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LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Acme Backing Corporation, New York and Brooklyn, N. Y. Processed reenforcing material and shoe linings and rubberized material and adhesive. Serial No. 444,246; Sept. 2. Class 50.

Agricultural Laboratories, Inc., Columbus, Ohio. Insecticides, particularly roach bait. Serial No. 429,508; Sept. 2. Class 6.

American Dietaids Company, Inc., Yonkers, N. Y. Vegetable salt. Serial No. 444,722; Sept. 2. Class 46.

American Lead Pencil Company, Hoboken, N. J. Rubber erasers. Serial No. 444,370; Sept. 2. Class 37.

American Radio Hardware Co. Inc., New York, N. Y. Bull'seye lamps for electric bulbs. Serial No. 443,622; Sept. 2. Class 21.

American Sheet Metal Works, New Orleans, La. Rat guards. Serial No. 444,627; Sept. 2. Class 50.

American Tobacco Company, The, New York, N. Y. Smoking, chewing, and cigarette tobacco. Serial No. 444,318; Sept. 2. Class 17.

Anticich Canning Company, Inc., Biloxi, Miss. Canned shrimp. Serial No. 424,757; Sept. 2. Class 46.

Axel, Leon A., Ltd., New York, N. Y. Raincoats. Serial No. 443,708; Sept. 2. Class 39.

B. & M. Cigar Co., Inc., Essexville, Mich. Cigars. Serial No. 443,909; Sept. 2. Class 17.

B & O Manufacturing Company, Baltimore, Md. Overalls, coats, suits, etc. Serial No. 443,626; Sept. 2. Class 39.

Baehr, Eugene B., & Sons, New York, N. Y. Food for fish. Serial No. 444,853; Sept. 2. Class 46.

Bausch & Lomb Optical Company, Rochester, N. Y. Sun glasses. Serial No. 445,036; Sept. 2. Class 26.

Belding Hemingway Company, New York, N. Y. Piece goods of silk, cotton and silk, silk and wool, etc. Serial No. 445,167; Sept. 2. Class 42.

Belmont Trouser Co., Baltimore, Md. Trousers. Serial No. 434,925; Sept. 2. Class 39.

Berkelich, Frank. (See Stitzel-Weller Distillery, assignor.)

Beverage Dispensers, Inc., Montclair, N. J. Automatic beverage vending machines. Serial No. 444,489; Sept. 2. Class 23.

Big Jack Manufacturing Company, Inc., Bristol, Va. Overalls, work shirts, and dress shirts. Serial No. 444,592; Sept. 2. Class 39.

Blickman, S., Inc., Weehawken, N. J. Equipment for hospitals, clinics and health centers, and doctors' offices. Serial No. 438,326; Sept. 2. Class 44.

Blue Comet Dress Co., Inc., New York, N. Y. Dresses and dress and jacket combinations. Serial No. 444,436; Sept. 2. Class 39.

Blum, Philip, & Company, Inc., Chicago, Ill. Brandy. Serial No. 444,394; Sept. 2. Class 49.

Bona-Kleen Company, Los Angeles, Calif. Cleaner and preservatives for white side-wall tires. Serial No. 441,564; Sept. 2. Class 4.

Bonoli Packing Corp., Brooklyn, N. Y. Olive oil. Serial No. 445,376; Sept. 2. Class 46.

Brown, Geraldine F., doing business as G. F. Brown Company, Philadelphia, Pa. Cleansing preparation for general household, toilet, and laundry use. Serial No. 444,788; Sept. 2. Class 4.

Buettner, T., & Co. Inc., Chicago, Ill. Mercerized cotton embroidery threads. Serial No. 444,323; Sept. 2. Class 43.

Cameo Vineyards Co., Fresno, Calif. Brandy. Serial No. 444,564; Sept. 2. Class 49.

Cameo Vineyards Co., Fresno, Calif. Brandy. Serial No. 444,754; Sept. 2. Class 49.

Carson Pirie Scott & Company, Chicago, Ill. Neckties. Serial No. 442,931; Sept. 2. Class 39.

Cohen, Julius, & Sons, Inc., New York, N. Y. Cotton, silk, mercerized, linen, and rayon thread, and cotton yarn. Serial No. 444,327; Sept. 2. Class 43.

Continental Distilling Corporation, Philadelphia, Pa. Rum. Serial Nos. 432,714–15; Sept. 2. Class 49.

Coolerator Company, The, Duluth, Minn. Refrigerators. Serial No. 445,544; Sept. 2. Class 31.

Cooper's, Incorporated, Kenosha, Wis. Underwear and hosiery. Serial No. 444,859; Sept. 2. Class 39.

Creed, Charles, New York, N. Y. Suits, jackets, coats, dresses, etc. Serial No. 441,311; Sept. 2. Class 39.

Daly Bros. Shoe Co. Inc., Boston, Mass. Shoes. Serial No. 443,359; Sept. 2. Class 39.

Davis, A., & Sons, Inc., New York, N. Y. Misses' coats, suits, capes, etc. Serial No. 444,597; Sept. 2. Class 39.

De Kuyper, John, & Son, Inc., New York, N. Y. Liqueur. Serial No. 444,216; Sept. 2. Class 49.

Diamond Iron Works, Inc., Minneapolis, Minn. Alloy metal iron castings. Serial No. 422,840; Sept. 2. Class 14.

Doniger, David D., & Co., New York, N. Y. Sport coats for men and boys. Serial No. 443,533; Sept. 2. Class 39.

Dubinsky, Fannie, doing business as Markee Studio, Los Angeles, Calif. Appliques formed from figured cloth. Serial No. 440,776; Sept. 2. Class 50.

Duo-Tex Corporation, Auburn, Maine. Shoe counters. Serial No. 433,479; Sept. 2. Class 39.

Edison, Thomas A., Incorporated, West Orange, N. J. Gases designed primarily for use by anesthetists, physicians, and dentists. Serial No. 444,090; Sept. 2. Class 6.

Effervescent Products, Inc., Elkhart, Ind. Preparation for use as an indicator for determining the presence or absence of sugar in urine. Serial No. 444,567; Sept. 2. Class 6.

Etienne Noir, doing business as Etienne Noir Film Productions, Los Angeles, Calif. Motion picture film for still and sound pictures. Serial No. 442,668; Sept. 2. Class 26.

Fellows Medical Manufacturing Company, Inc., New York, N. Y. Nose drops. Serial No. 444,994; Sept. 2. Class 6.

Fenenbock, Henry W., Los Angeles, Calif. Stylographic pen. Serial No. 443,879; Sept. 2. Class 37.

Garden Lounge. (See Stitzel-Weller Distillery.)

General Health Corporation, Philadelphia, Pa. Rubber nursing nipples and rubber caps for nursing bottles. Serial No. 444,759; Sept. 2. Class 44.

General Register Corporation, New York, N. Y. Adding machines, taximeters, calculating machines, cash registers. Serial No. 440,003; Sept. 2. Class 26.

General Tire & Rubber Company, The, Akron, Ohio. Pneumatic tires. Serial No. 445,053; Sept. 2. Class 35.

General Tire & Rubber Company, Akron, Ohio. Pneumatic tires. Serial No. 445,176; Sept. 2. Class 35.

Givaudan-Delawanna, Inc., New York, N. Y. Organic, odoriferous, and flavor-imparting chemicals used in perfumes, paints, varnishes, etc. Serial No. 444,570; Sept. 2. Class 6.

Gotham Sales Co. Inc., doing business as Universal Merchandise Company, New York, N. Y. Prophylactic rubber articles for the prevention of contagious diseases. Serial No. 439,226; Sept. 2. Class 44.

Great Atlantic Laboratories, Inc., Boston, Mass. Hair tonic, toilet water, and cold cream. Serial No. 444,218; Sept. 2. Class 6.

Griscom Russell Company, The, New York, N. Y. Stills for producing distilled water from impure water. Serial No. 438,005; Sept. 2. Class 34.

Guttman, Joseph, & Bros., Inc., New York, N. Y. Knitted dresses, skirts, slacks, and sweaters. Serial No. 444,448; Sept. 2. Class 39.

Hardeman Milling Company, McAlester, Okla. Wheat flour and cornmeal. Serial No. 444,673; Sept. 2. Class 46.

Hermanos, Hawley, El Quetzal, Republic of Guatemala. Coffee. Serial No. 443,537; Sept. 2. Class 46.

Hettrick Manufacturing Company, The, Toledo, Ohio. Tables. Serial No. 445,465; Sept. 2. Class 32.

Insulation Manufacturers, Inc., Milwaukee, Wis. Thermo insulation batts and vapor shields. Serial No. 444,121; Sept. 2. Class 12.

International Vitamin Corp., New York, N. Y. Vitamin preparations used in medicine and pharmacy. Serial No. 445,524; Sept. 2. Class 6.

Italian Vineyard Company, Los Angeles and Guasti, Calif. Wines. Serial No. 443,831; Sept. 2. Class 47.

Jacobs, Helen H., San Francisco, Calif. Men's, women's, and children's sportswear. Serial No. 428,486; Sept. 2. Class 39.

Jiffy Manufacturing Company, Hillside, N. J. Waterproof paper. Serial No. 444,149; Sept. 2. Class 37.

Katz, Sam, doing business as The Katzy Dispenser Company, New York, N. Y. Dispenser for hairpins. Serial No. 442,042; Sept. 2. Class 2.

Katzy Dispenser Company, The. (See Katz, Sam.)

Kleinert, I. B., Rubber Company, New York, N. Y. Playpen rugs, high chair pads, nursery chair pads, scale pads, etc. Serial No. 444,341; Sept. 2. Class 50.

Korrect Kutting Mfg. Co. Inc., Glen Ellyn, Ill. Knife holders and blades for meat grinding machines and the like. Serial No. 441,164; Sept. 2. Class 23.

Lawrence Converters, Inc., New York, N. Y. Sheets and pillow cases, and blankets. Serial No. 444,572; Sept. 2. Class 42.

Linton Pencil Company, Lewisburg, Tenn. Mechanical pencils, leads, fountain pencils, etc. Serial No. 444,156; Sept. 2. Class 37.

London Dry Ginger Ale Co., Wilmington, Del. Nonalcoholic, noncereal, maltless beverages. Serial No. 444,708; Sept. 2. Class 45.

Lowenstein, B., & Bros. Inc., Memphis, Tenn. Sweaters, jackets, coats, etc. Serial No. 436,812; Sept. 2. Class 39.
Maison Jeurelle-Seventeen, Inc., New York, N. Y. Perfumes. Serial No. 444,400; Sept. 2. Class 6.
Mandelbaum Coats, Inc., New York, N. Y. Coats, suits, and jackets. Serial No. 445,063; Sept. 2. Class 39.
Markee Studio. (See Dubinsky, Fannie.)
McMullen-Leavens Company, Inc., New York, N. Y. Women's dresses, blouses, men's shirts, pajamas, and shorts. Serial No. 444,384; Sept. 2. Class 39.
Medlicott Co., The, Canal Bank, Windsor Locks, Conn. Men's ribbed underwear. Serial No. 444,588; Sept. 2. Class 39.
Messinger, Harold L., doing business as Sea-Net Manufacturing Company, Los Angeles, Calif. Body supported diving outfit. Serial No. 445,328; Sept. 2. Class 22.
Mitchell Farms, Windfall, Ind. Shelled seed corn. Serial No. 443,640; Sept. 2. Class 1.
Mock, Judson, Voehringer Company of New York, Inc., Long Island City, N. Y. Hosiery. Serial No. 444,198; Sept. 2. Class 39.
Morgan & Goetze Knitting Mills, Inc., Irvington, N. J. Knitted sweaters. Serial No. 444,601; Sept. 2. Class 39.
Movie-Mite Corporation, Kansas City, Mo. Moving picture projectors. Serial No. 438,988; Sept. 2. Class 26.
Murray, Marion F., doing business as Murray Chemical Mfg. Co., Dallas, Tex. Chemically treated cloths. Serial No. 443,512; Sept. 2. Class 4.
Murray-Ohio Manufacturing Company, The, Cleveland, Ohio. Juvenile vehicles. Serial No. 412,611; Sept. 2. Class 22.
National Oil Products Company, Harrison, N. J. Detergent. Serial No. 443,666; Sept. 2. Class 4.
Olympic Knitwear Inc., New York, N. Y. Knitted sweaters. Serial No. 444,543; Sept. 2. Class 39.
Ozark Empire Fruit Exchange Co-Operative Association, Joplin, Mo. Fresh fruits. Serial No. 432,221; Sept. 2. Class 46.
Pabst-Ett Corporation, Chicago, Ill. Cheese. Serial No. 444,836; Sept. 2. Class 46.
Palo Alto Products Co., Boston, Mass. Pineapples. Serial No. 432,864; Sept. 2. Class 46.
Paragon Art & Linen Co. Inc., New York, N. Y. Table mats made of acetate with decorative designs thereon. Serial No. 443,855; Sept. 2. Class 50.
Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Dresses, suits, and coats. Serial No. 443,431; Sept. 2. Class 39.
Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Dresses, suits, and coats. Serial No. 443,892; Sept. 2. Class 39.
Perkins Glue Company, Lansdale, Pa. Liquid urea-formaldehyde resin used as an adhesive. Serial No. 444,739; Sept. 2. Class 5.
Petite Miss, Inc., New York, N. Y. Ladies' coats. Serial No. 444,414; Sept. 2. Class 39.
Phillips-Jones Corporation, New York, N. Y. Outer shirts, pajamas, collars, etc. Serial No. 443,014; Sept. 2. Class 39.
Pilgrim Mfg. Co. (See Tillotson Rubber Co., Inc.)
Planters Cotton Oil & Fertilizer Co., Rocky Mount, N. C. Plant foods. Serial No. 445,211; Sept. 2. Class 10.
Polaroid Corporation, Cambridge, Mass. Hand tools in the nature of pliers. Serial No. 439,557; Sept. 2. Class 23.
Puritan Cosmetics, Incorporated, St. Louis, Mo. Face creams, powders, rouges, etc. Serial No. 436,733; Sept. 2. Class 6.
Ritter Dental Manufacturing Company, Inc., Rochester, N. Y. Mechanism for operating wheel doors and bomb doors on airplanes, hydraulic struts, etc. Serial No. 441,142; Sept. 2. Class 23.
Rolly, Grace, doing business as Tra-Wave Company, Springfield, Mass. Sockets or permanent waving pads. No. 438,216; Sept 2. Class 6.
Rolly, Grace, doing business as Tra-Wave Company, Springfield, Mass. Sockets for permanent waving pads. Serial No. 439,522; Sept. 2. Class 44.
Ross, Howard L., Corporation, New York, N. Y. Letter openers. Serial No. 444,581; Sept. 2. Class 37.
Roxy Thread Corp., New York, N. Y. Sewing thread. Serial No. 444,626; Sept. 2. Class 43.
Samarkand Rugs, Inc., New York, N. Y. Rugs and carpets. Serial No. 442,759; Sept. 2. Class 42.
Schaefer, F. & M., Brewing Co., The, Brooklyn, N. Y. Beer. Serial No. 429,750; Sept. 2. Class 48.
Schaeffer Garment Co., Cincinnati, Ohio. Children's and little misses' coats and suits. Serial No. 443,894; Sept. 2. Class 39.
Seal-Ins Laboratories, Inc., Los Angeles, Calif. Medicinal compound containing iodochlorhydroxyquinoline. Serial No. 445,533; Sept. 2. Class 6.
Sears, Roebuck and Co., Chicago, Ill. Electric refrigerators. Serial No. 444,020; Sept. 2. Class 31.
Sears, Roebuck and Co., Chicago, Ill. Felt base floor coverings. Serial No. 444,838; Sept. 2. Class 20.
Shields Slipper Corporation, Bombay, N. Y. Boots and shoes. Serial No. 444,688; Sept. 2. Class 39.
Shulton, Inc., New York, N. Y., and Hoboken, N. J. Cosmetic containers. Serial No. 445,478; Sept. 2. Class 2.
Sitroux Company, Inc., The, New York, N. Y. Sanitary napkins. Serial No. 445,367; Sept. 2. Class 44.
Socony Paint Products Company, New York, N. Y. Ready-mixed paints, paint enamels, varnishes, paint dryers, thinners, etc. Serial No. 444,946; Sept. 2. Class 16.
Standard Refrigeration Service Company, St. Louis, Mo. Electrical water coolers. Serial No. 445,277; Sept. 2. Class 31.
Sterilek Company, Inc., The, New York, N. Y. Sanitary napkins. Serial No. 445,371; Sept. 2. Class 44.
Stewart & Ross Corporation, Long Island City, N. Y. Vitamin capsules. Serial Nos. 421,910–11; Sept. 2. Class 6.
Stitzel-Weller Distillery, Shiveley, Ky., assignor to Frank Berkelich, doing business as Garden Lounge, Hibbing, Minn. Serial No. 444,919; Sept. 2. Class 49.
Strathmore Fruit Growers Association, Strathmore, Calif. Fresh citrus fruits. Serial No. 444,983; Sept. 2. Class 46.
Takamine Laboratory, Inc., Clifton, N. J. Healing ointment. Serial No. 444,616; Sept. 2. Class 6.
Tillotson Rubber Co., Inc., doing business as Pilgrim Mfg. Co., Needham Heights, Mass. Mittens treated with an agent designed to soften and beautify the hands. Serial No. 433,679; Sept. 2. Class 6.
Tra-Wave Company. (See Rolly, Grace.)
Union Bag & Paper Corporation, New York, N. Y. Caps made of paper. Serial No. 441,266; Sept. 2. Class 39.
Universal Merchandise Company. (See Gotham Sales Co. Inc.)
U. S. Industrial Chemicals, Inc., New York, N. Y. Solvent for cleaning motion picture films. Serial No. 444,948; Sept. 2. Class 6.
Varflex Corporation, Rome, N. Y. Tubing designed for electrical insulation and other uses. Serial No. 442,983; Sept. 2. Class 21.
Wembley, Inc., New Orleans, La. Men's neckties and scarfs. Serial No. 443,674; Sept. 2. Class 39.
Westfeldt Brothers, New Orleans, La. Green coffee. Serial No. 442,582; Sept. 2. Class 46.
White, H. N., Company, The, Cleveland, Ohio. Wind instruments. Serial No. 444,428; Sept. 2. Class 36.
Whitman, Stephen F., & Son, Inc., Philadelphia, Pa. Candy. Serial No. 439,678; Sept. 2. Class 46.
Widder, J., & Co., New York, N. Y. Record albums. Serial No. 443,353; Sept. 2. Class 37.
Wilbur & Williams Company, The, Boston, Mass. Paint coatings and stains for concrete. Serial No. 444,430; Sept. 2. Class 16.
Williams, R. C., & Company, Inc., New York, N. Y. Food colorings. Serial No. 443,903; Sept. 2. Class 6.
Wilson, R. B., Brawley, Calif., and Phoenix, Ariz. Fresh vegetables. Serial No. 443,241; Sept. 2. Class 46.

LIST OF REGISTRANTS OF TRADE-MARKS

Aldrich Manufacturing Co., Inc., assignor to Amcoin Corporation, Buffalo, N. Y. Steam tables, culinary warmers, cookers, and culinary urns. 150,705; renewed Jan. 10, 1942.
Alling and Cory Company, The, Pittsburgh, Pa., to The Alling & Cory Company, Rochester, N. Y. Ledger-papers. 148,974; renewed Dec. 6, 1941.
Amcoin Corporation. (See Aldrich Manufacturing Co.)
American Supercraft Corporation, Chicago, Ill. Electrically operated shaving devices. 390,027; Sept. 2; Serial No. 442,770; published June 24, 1941. Class 23.
American Zinc, Lead and Smelting Company, Boston, Mass., assignor to American Zinc Sales Company, St. Louis, Mo. Zinc oxid and mixtures containing zinc oxid. 146,678; renewed Sept. 20, 1941.
Anderson, Clayton & Co., Houston, Tex. Feeds for domestic animals known to animal husbandry. 390,014; Sept. 2; Serial No. 442,182; published June 24, 1941. Class 46.
Aqua-Sec Corporation, New York, N. Y. Piece goods. 389,981; Sept. 2; Serial No. 433,879; published June 24, 1941. Class 42.
Arlington Paint Works. (See Mobile Paint Manufacturing Company of Delaware, Inc.)
Ashtabula Corrugated Box Company, The, Ashtabula, Ohio. Fiber and paper shipping containers. 150,228; renewed Jan. 3, 1942.
Atlantic Macaroni Co., Inc., The, Long Island City, N. Y. Macaroni. 149,825; renewed Dec. 27, 1941.
Autostrop Sales Company, Inc., Boston, Mass. Safety razors. 390,028; Sept. 2; Serial No. 442,775; published June 24, 1941. Class 23.
Baker-Fleming Farm Gas Company, Lockney, Tex. Apparatus for dispensing liquified petroleum gas for lighting, heating, and power purposes, etc. 390,012; Sept. 2; Serial No. 442,159; published June 24, 1941. Class 34.

Barium and Chemicals, Inc., Willoughby, Ohio. Mixture of argillaceous and carbonaceous materials. 369,976; Sept. 2; Serial No. 429,760; published June 24, 1941. Class 1.
Batcheller's, Sioux Falls, S. Dak. Cattle, hog, and poultry feed. 390,070; Sept. 2. Class 46.
Bayuk Bros. Incorporated, Baltimore, Md., and Philadelphia, Pa., to Bayuk Cigars Incorporated, Philadelphia, Pa., by change of name. Cigars, cigarettes, chewing tobacco, and smoking tobacco. 150,728–32; renewed Jan. 10, 1942.
Beich, Paul F., Company, Bloomington, Ill. Candy. 389,990; Sept. 2; Serial No. 440,142; published June 24, 1941. Class 46.
Bianchini, Ferier, Lyon, France, assignor to Bianchini, Ferier, Inc., New York, N. Y. Piece goods of silk, wool, linen, cotton, etc. 144,702; renewed July 19, 1941.
Brownstein-Louis Company, Los Angeles, Calif. Clothing. 145,540–1; renewed Aug. 9, 1941.
Bulova Watch Company, Inc., New York, N. Y. Watches—namely, wrist watches or strap watches. 390,038; Sept. 2; Serial No. 443,106; published June 24, 1941. Class 27.
Burgoon, C. W., Bowling Green, Ohio. Medicinal preparations. 150,270; renewed Jan. 3, 1942.
California Olive Growers Packing Corp., Los Angeles and Terra Bella, Calif. Canned olives. 390,044; Sept. 2; Serial No. 443,219; published June 24, 1941. Class 46.
Candy and Company, Inc., Chicago, Ill. Polishing wax compound. 389,982; Sept. 2; Serial No. 436,001; published June 24, 1941. Class 16.
Carlson, Clarence G., Oakland, Calif. Children's training toilet seats. 389,986; Sept. 2; Serial No. 437,268; published June 24, 1941. Class 13.
Carpenter, E. W., Manufacturing Company, The, Bridgeport, Conn. Can openers. 390,060; Sept. 2. Class 23.
Celanese Corporation of America, New York, N. Y. Piece goods. 390,045; Sept. 2; Serial No. 443,220; published June 24, 1941. Class 42.
Cement Gun Construction Company, Chicago, Ill., assignor to Cement Gun Company, Allentown, Pa. Construction materials. 150,283; renewed Jan. 3, 1942.
Century Distilling Company, Peoria, Ill. Whiskey. 390,008; Sept. 2; Serial No. 441,946; published June 10, 1941. Class 49.
Channell Chemical Company, Chicago, Ill., Toronto, Canada, London, England, and Paris, France, to O-Cedar Corp'n, Chicago, Ill., by change of name. A polish for cleaning and polishing furniture, etc. 149,874; renewed Dec. 27, 1941.
Chase & Company Corporation, Boston, to New England Confectionery Company, Cambridge, Mass., successor. Small sugared sticks of candy. 20,033; renewed Aug. 18, 1941.
Chase & Company Corporation, Boston, to New England Confectionery Company, Cambridge, Mass., successor. Small sugared sticks of candy. 20,178; renewed Sept. 29, 1941.
Chemical Paper Manufacturing Co., Holyoke, Mass. Cover paper. 150,769; renewed Jan. 10, 1942.
Cheney Brothers, South Manchester, to Cheney Brothers, Manchester, Conn. Certain named woven, knitted, netted, textile, and pile fabrics in the piece. 145,334; renewed Aug. 2, 1941.
Cohn-Hall-Marx Co., New York, N. Y. Piece goods. 389,998; Sept. 2; Serial No. 441,084; published June 24, 1941. Class 42.
Conn, C. G., Ltd., Elkhart, Ind. Electric stroboscopes. 390,064; Sept. 2. Class 26.
Cosmopolitan Watch Material Importing Co. (See Schafran, Herman.)
Crawford Metal Craftsmen, Inc., Galion, Ohio. Metal burial vaults. 390,065; Sept. 2. Class 2.
Crown Willamette Paper Company, assignor, by mesne assignments, to Crown Zellerbach Corporation, San Francisco, Calif. Paper bags. 149,366–7; renewed Dec. 13, 1941.
Dairipure Corporation, New York, N. Y. Ice cream. 390,056; Sept. 2. Class 46.
Davey Tree Expert Company, The, Kent, Ohio. Chemical composition of matter for dressing tree wounds. 150,323; renewed Jan. 3, 1942.
Day-Brite Lighting, Inc., St. Louis, Mo. Electric lighting fixtures. 390,025; Sept. 2; Serial No. 442,745; published June 24, 1941. Class 21.
Deere & Company, Moline, Ill. Traction fuel consumption meters. 390,005; Sept. 2; Serial No. 441,765; published June 24, 1941. Class 26.
Defiance Machine Works, Inc., Toledo, Ohio. Metal-working machinery—viz., boring mills, drilling machines, stamping machines, etc. 390,026; Sept. 2; Serial No. 442,747; published June 24, 1941. Class 23.
De Long Hook and Eye Company, The, Philadelphia, Pa. Snap fasteners. 150,329–30; renewed Jan. 3, 1942.
Distilled Liquors Corporation, New York, N. Y. Whiskey, gin, rum, etc. 390,036; Sept. 2; Serial No. 443,073; published June 10, 1941. Class 49.
Duro Metal Products Company, Chicago, Ill. Power tools and automotive tools. 389,991; Sept. 2; Serial No. 440,194; published May 20, 1941. Class 23.
East Coast Milling Corp., New York, N. Y. Wheat flour. 389,989; Sept. 2; Serial No. 439,141; published Apr. 22, 1941. Class 46.
Eastman Kodak Company, Jersey City, N. J. and Rochester, N. Y. Chamois. 390,029; Sept. 2. Serial No. 442,829; published June 24, 1941. Class 1.
Eastman Kodak Company, Jersey City, N. J. and Rochester, N. Y. Lens cleaning paper. 390,030; Sept. 2; Serial No. 442,834; published June 24, 1941. Class 37.
Eastman Kodak Company, Jersey City, N. J. and Rochester, N. Y. Photographic cameras. 390,031; Sept. 2; Serial No. 442,836; published June 24, 1941. Class 26.
Ecusta Paper Corporation, Pisgah Forest, N. C. Cigarette paper. 390,039; Sept. 2; Serial No. 443,119; published June 24, 1941. Class 8.
Engelberg Huller Company, The, assignor to Engelberg Huller Co. Incorporated, Syracuse, N. Y. Attrition-mills and coffee-shellers. 149,913; renewed Dec. 27, 1941.
Engineering Magazine Company, The, assignor to McGraw-Hill Publishing Company, Inc., New York, N. Y. Printed publications issued monthly. 150,347; renewed Jan. 3, 1942.
Eppinger, Lou J., Detroit, Mich. Artificial fishing-baits. 148,828; renewed Nov. 29, 1941.
Ex-Cel Battery & Equipment Company, Chicago, Ill. Storage batteries. 390,061; Sept. 2. Class 21.
Falsodent Company, Brooklyn, N. Y. Cleaner for false teeth and dental plates. 389,977; Sept. 2; Serial No. 430,574; published June 18, 1940. Class 4.
Floridin Company, Warren, Pa. Absorbents. 389,993; Sept. 2; Serial No. 440,717; published June 24, 1941. Class 1.
Ford Motor Company, Highland Park, to Ford Motor Company, Dearborn, Mich. Periodical house organ. 144,766; renewed July 19, 1941.
Forhan, H. L., Co., Portland, Maine. Canned blueberries. 390,009; Sept. 2; Serial No. 442,119; published June 24, 1941. Class 46.
Foster, Grant Co., Inc., Leominster, Mass. Goggles and sun-glasses. 389,973; Sept. 2; Serial No. 418,521; published June 27, 1939. Class 26.
Fuger, Pierre G., doing business as Sprudel Water Company, Mount Clemens, Mich. Carbonated water, ginger ale, and other beverages. 389,972; Sept. 2; Serial No. 418,098; published June 24, 1941. Class 45.
Gaunt, Alfred C., Methuen, Mass. Suits, overcoats, ulsters, mackintoshes, etc. 150,822; renewed Jan. 10, 1942.
General Ice Cream Corporation, Schenectady, N. Y. Quick-frozen fruits, berries, and vegetables. 390,006; Sept. 2; Serial No. 441,818; published June 24, 1941. Class 46.
Genesee Brewing Company, Inc., The, Rochester, N. Y. Beer. 390,052; Sept. 2; Serial No. 443,691; published June 24, 1941. Class 48.
Glendale Frocks, Inc., New York, N. Y. Dresses, blouses, slacks, etc. 390,058; Sept. 2. Class 39.
Good Humor Corporation of America, assignor to Good Humor Corporation, Brooklyn, N. Y. Frozen goods. 389,975; Sept. 2; Serial No. 428,750; published June 24, 1941. Class 46.
Grangers Lime Company, to Grangers Manufacturing Company, Boston, Mass., by change of name. Ground limestone. 143,966; renewed June 21, 1941.
Grant, W. T., Company, New York, N. Y. Garden hose. 390,049; Sept. 2; Serial No. 443,361; published June 24, 1941. Class 35.
Great Lakes Varnish Works, Inc., Chicago, Ill. Paint enamel. 390,010; Sept. 2; Serial No. 442,127; published June 24, 1941. Class 16.
Greenfield Tap and Die Corporation, Greenfield, Mass. Gages and micrometers. 147,318; renewed Oct. 11, 1941.
Greenfield Tap and Die Corporation, Greenfield, Mass. Tools and parts of machinery. 147,319–22; renewed Oct. 11, 1941.
Hause Valve Company, Wichita, Kans., and Montpelier, Ohio. Pumps. 389,995; Sept. 2; Serial No. 440,815; published June 24, 1941. Class 28.
Heublein, G. F., & Bro., Hartford, Conn. Brandy. 390,041; Sept. 2; Serial No. 443,160; published June 10, 1941. Class 49.
Hoof Products Company, Chicago, Ill. Safety lockout valve and warning signal units for hydraulic brakes. 389,970; Sept. 2; Serial No. 412,340; published June 24, 1941. Class 19.
Horlick's Malted Milk Corporation, Racine, Wis. Chocolate flavored preparation in powdered form for use in making food drinks. 390,003; Sept. 2; Serial No. 441,702; published June 24, 1941. Class 46.
Houbigant, Inc., New York, N. Y. Perfume, face powder, lipsticks, etc. 390,066; Sept. 2. Class 6.
Industrial Abrasives, Inc., Chicago, Ill. Abrasive discs. 390,057; Sept. 2. Class 4.
International Flouncing Co., Inc., New York, N. Y. Textile curtains and drapes. 390,059; Sept. 2. Class 42.
Kanematsu Trading Corporation, New York, N. Y. Damask, rayon, and cotton table cloths and napkins. 390,047; Sept. 2; Serial No. 443,253; published June 24, 1941. Class 42.
Kaolin, Georgia, Company, Elizabeth, N. J. Clay used in the body composition of ceramic ware. 390,037; Sept. 2; Serial No. 443,084; published June 24, 1941. Class 1.

Kearns Coal Company, The, Cincinnati, Ohio. Coal. 390,013; Sept. 2; Serial No. 442,175; published June 24, 1941. Class 1.
Kolynos Company, The, New Haven, Conn. Tooth pastes and for antiseptic solution and germicidal disinfectant. 150,439; renewed Jan. 3, 1942.
Kuhns Brothers, assignors to Kuhns Brothers Company, Dayton, Ohio. Pipe fittings and other fittings. 150,874; renewed Jan. 10, 1942.
Lauson Company, The, New Holstein, Wis. Outboard motors. 390,055; Sept. 2. Class 23.
Liberty Maccheroni Mfg. Co., to Liberty Macaroni Manufacturing Company, Inc., Buffalo, N. Y., successor. Macaroni and vermicelli. 145,400; renewed Aug. 2, 1941.
Liggett & Myers Tobacco Company, New York, N. Y. Leaf tobacco. 150,880; renewed Jan. 10, 1942.
Liggett & Myers Tobacco Company, New York, N. Y. Smoking and chewing tobacco. 150,881; renewed Jan. 10, 1942.
Liggett & Myers Tobacco Company, New York, N. Y. Smoking and chewing tobacco and cigarettes. 150,882–4; renewed Jan. 10, 1942.
Lord & Taylor, New York, N. Y. Piece goods. 390,046; Sept. 2; Serial No. 443,234; published June 24, 1941. Class 42.
Macungie Silk Company, Macungie, Pa. Blanket-bindings and tapes. 149,153; renewed Dec. 6, 1941.
Mallinson, H. R., & Co. Inc., assignor to Mallinson Fabrics Corporation, New York, N. Y. Silk piece goods. 146,115; renewed Aug. 30, 1941.
Mallinson, H. R., & Co., Inc., assignor to Mallinson Fabrics Corporation, New York, N. Y. Silk piece goods. 146,289; renewed Sept. 6, 1941.
Mallinson, H. R., & Co., Inc., assignor to Mallinson Fabrics Corporation, New York, N. Y. Silk piece goods. 146,808; renewed Sept. 20, 1941.
Marvio Mills Inc., New York, N. Y. Textile fabrics in the piece. 390,050; Sept. 2; Serial No. 443,421; published June 24, 1941. Class 42.
Maumee Collieries Company, The, Terra Haute, Ind. Coal. 390,035; Sept. 2; Serial No. 443,046; published June 24, 1941. Class 1.
McGraw-Hill Publishing Company. (See Engineering Magazine Company, assignor.)
Mergott, J. E., Company, The, Newark, N. J. Bag frames, purse frames, pocketbook frames. 150,473; renewed Jan. 3, 1942.
Meunier, J. Clinton, doing business as Trimline Manufacturing Co., Kansas City, Mo. Fabric automobile accessories. 390,018; Sept. 2; Serial No. 442,363; published June 24, 1941. Class 19.
Michaels, Stern & Co. Inc., Rochester, N. Y. Men's and boys' suits. 390,053; Sept. 2. Class 39.
Minneapolis Brewing Company, Minneapolis, Minn. Beer. 389,979; Sept. 2; Serial No. 431,694; published June 24, 1941. Class 48.
Minnesota and Ontario Paper Company, Minneapolis and International Falls, Minn. Printing, writing, and book paper, etc. 390,024; Sept. 2; Serial No. 442,667; published June 24, 1941. Class 37.
Mobile Paint Manufacturing Company of Delaware, Inc., doing business as Arlington Paint Works, Wilmington, Del., and Mobile, Ala. Paints and paint enamels. 390,054; Sept. 2. Class 16.
Modern Cap Mfg. Company, assignor to Society Brand Hat Company, St. Louis, Mo. Hats, caps, straws, and felts. 148,166; renewed Nov. 8, 1941.
Monite Waterproof Glue Company, Minneapolis, Minn. Glue. 147,646; renewed Oct. 25, 1941.
Mundy, J. S., Hoisting Engine Co., Newark, to J. S. Mundy Hoisting Engine Co., Elizabeth, N. J. Hoists, engines, winches, etc. 149,705; renewed Dec. 20, 1941.
Narrow Fabric Company, The, Reading, Pa. Elastic braids. 150,020; renewed Dec. 27, 1941.
National Automotive Parts Association, Detroit, Mich. Automotive gears including drive gears, pinions, flywheel gears, etc. 389,980; Sept. 2; Serial No. 431,705; published June 24, 1941. Class 23.
National Orange Company, Riverside, Calif. Fresh citrus fruits. 389,985; Sept. 2; Serial No. 436,478; published June 24, 1941. Class 46.
Nekoosa-Edwards Paper Company, Port Edwards, Wis. Wrapping paper. 390,015; Sept. 2; Serial No. 442,202; published June 10, 1941. Class 37.
New England Confectionery Company. (See Chase & Company Corporation.)
New England Confectionery Company, Boston, to New England Confectionery Company, Cambridge, Mass. Candy. 146,122; renewed Aug. 30, 1941.
New England Confectionery Company, Boston, to New England Confectionery Company, Cambridge, Mass. Candy. 147,657; renewed Oct. 25, 1941.
New York Specialties Supply Co., Inc., New York, N. Y. Electrical accessories, apparatus, appliances, and supplies. 389,992; Sept. 2; Serial No. 440,339; published June 24, 1941. Class 21.
No-Mar Products, Inc., New York, N. Y. Hat packing boxes and retaining devices employed therein. 390,069; Sept. 2. Class 2.
Nottebaum, Leopoldine, Newark, N. J. Cleaner and polish for metals, glass, and porcelain. 390,032; Sept. 2; Serial No. 442,915; published June 24, 1941. Class 4.
O-Cedar Corp'n. (See Channell Chemical Company.)
Olson Rug Company, Chicago, Ill. Woven rugs and carpets. 150,938; renewed Jan. 10, 1942.
O'Neill, Gordon, Co., Inc., Jersey City, N. J. Brandy. 389,999; Sept. 2; Serial No. 441,132; published June 10, 1941. Class 49.
Orange-Crush Company, Chicago, Ill. Beverages and concentrates and compounds for making the same. 390,000; Sept. 2; Serial No. 441,253; published June 24, 1941. Class 45.
Owl Shop, New Haven, Conn. Smoking tobacco and cigars. 390,002; Sept. 2; Serial No. 441,588; published June 24, 1941. Class 17.
Pacific Mills, Lawrence and Boston, Mass. Sheets and pillowcases. 390,042; Sept. 2; Serial No. 443,172; published June 24, 1941. Class 42.
Pender, David, Grocery Co., Norfolk, Va. Wines. 389,974; Sept. 2; Serial No. 427,715; published June 24, 1941. Class 47.
Pennsylvania Pump & Compressor Company, Easton, Pa. Compressors and pumps and attachments therefor. 146,596; renewed Sept. 13, 1941.
Peterson Oven Company, The, Chicago, Ill. Baking ovens. 390,020; Sept. 2; Serial No. 442,428; published June 24, 1941. Class 34.
Pharis Tire and Rubber Company, The, Newark, Ohio. Rubber and rubber containing pneumatic tires and tubes for vehicle wheels. 390,051; Sept. 2; Serial No. 443,642; published June 24, 1941. Class 35.
Pinl, Hnos., & Cía. Ltda., Sociedad Anónima Comercial e Industrial, Buenos Aires, Argentina. Alcoholic aperitives. 389,984; Sept. 2; Serial No. 436,400; published June 3, 1941. Class 49.
Puerto Rico Distilling Company, Arecibo, P. R. Rum, alcoholic cocktails and beverages containing substantial portions of rum. 389,968; Sept. 2; Serial No. 394,146; published Jan. 4, 1938. Class 49.
Pyrene Manufacturing Company, Newark, N. J. Hand-operated portable fire extinguishers. 389,996; Sept. 2; Serial No. 440,955; published June 24, 1941. Class 23.
RCA Manufacturing Company. (See Radio Corporation of America.)
Radio Corporation of America, New York, N. Y., assignor to RCA Manufacturing Company, Inc., Camden, N. J. Electrical vacuum tubes and valves. 150,948; renewed Jan. 10, 1942.
Ramirez, Victor M., doing business as V. M. Ramirez y Cía, Mayaguez, P. R. Distilled alcoholic liqueur. 389,987; Sept. 2; Serial No. 437,574; published June 10, 1941. Class 49.
Raybestos-Manhattan, Inc., Passaic, N. J. Radiator hose. 390,033; Sept. 2; Serial No. 442,974; published June 24, 1941. Class 35.
Reid, Murdoch & Co., Chicago, Ill. Canned peaches. 390,063; Sept. 2. Class 46.
Richmond-Chase Company, San Jose, Calif. Canned fruits. 145,578; renewed Aug. 9, 1941.
Rieser Company, The, assignor to The Rieser Company, Inc., New York, N. Y. Hair nets. 150,956; renewed Jan. 10, 1942.
Robertson, John, & Son Limited, Dundee, Scotland. Scotch whiskey. 389,969; Sept. 2; Serial No. 395,721; published June 17, 1941. Class 49.
Royal Baking Powder Company, Jersey City, N. J., and New York, N. Y., assignor to Standard Brands Incorporated, New York, N. Y. Baking powder. 150,549; renewed Jan. 3, 1942.
Ruberoid Co., The, Boundbrook, N. J., and New York, N. Y. Mineral surface roofing. 390,068; Sept. 2. Class 12.
Rutland, H. E., Presque Isle, Maine. Potatoes. 389,971; Sept. 2; Serial No. 418,014; published Mar. 26, 1940. Class 46.
Schafran, Herman, doing business as Cosmopolitan Watch Material Importing Co., New York, N. Y. Main springs for watches. 390,022; Sept. 2; Serial No. 442,606; published June 24, 1941. Class 27.
Scherr, George, Company, New York, N. Y. Precision length standards. 389,994; Sept. 2; Serial No. 440,759; published June 24, 1941. Class 26.
Sears, Roebuck and Co., Chicago, Ill. Toothbrushes. 390,011; Sept. 2; Serial No. 442,146; published June 24, 1941. Class 29.
Seven-Up Bottling Company, The, Jennings, La. Non-alcoholic, maltless beverage and sirup and extract for making the same. 390,062; Sept. 2. Class 45.
Società Anonima Lavorazione Formaggi "Salfo", Genoa-Sampierdarena, Italy. Cheese and fresh, evaporated and condensed milk. 389,978; Sept. 2; Serial No. 430,805; published June 24, 1941. Class 46.
Society Brand Hat Company. (See Modern Cap Mfg. Company, assignor.)
Solomon & Birnbaum, Inc., New York, N. Y. Laces, embroideries, and textile fabrics in the piece. 390,021; Sept. 2; Serial No. 442,500; published June 24, 1941. Class 42.
Spotswood Specialty Company, Lexington, Ky. Rubber-tipped darts in the form or shape of a miniature airplane. 390,043; Sept. 2; Serial No. 443,209; published June 24, 1941. Class 22.
Sprudel Water Company. (See Fuger, Pierre G.)

Standard Brands Incorporated, New York, N. Y. Culture for sour rye breads. 390,040; Sept. 2; Serial No. 443,139; published June 24, 1941. Class 46.
Standard Brands Incorporated. (See Royal Baking Powder Company.)
Strauss, Alperin, Co., New York, N. Y. Dress, negligee, and work shirts and pajamas. 390,067; Sept. 2. Class 39.
Strohmeyer & Arpe Company, New York, N. Y. Hair-tonic, shampoo, and hair-cleanser. 144,638; renewed July 12, 1941.
Swedish Steel Mills' A. A., Inc., New York, N. Y. Steels used for tools. 390,001; Sept. 2; Serial No. 441,494; published June 24, 1941. Class 14.
Thompson, Henry G., & Son Company, The, New Haven, Conn. Hacksaw-blades. 150,140; renewed Dec. 27, 1941.
Traficanti Brothers, also doing business as Traficanti Bros., Chicago, Ill. Alimentary paste products, cheese, prepared soup mixtures, etc. 390,007; Sept. 2; Serial No. 441,886; published June 24, 1941. Class 46.
Transograph Corporation, New York, N. Y. Laminated adhesive mounting sheets. 390,034; Sept. 2; Serial No. 443,023; published June 24, 1941. Class 37.
Trimline Manufacturing Co. (See Meunier, J. Clinton.)
Truax-Traer Coal Company, Chicago, Ill. Coal. 390,019; Sept. 2; Serial No. 442,376; published June 24, 1941. Class 1.
Try-It Bottling Co., Inc., Lackawanna, N. Y. Nonalcoholic beverages and syrups for making the same and carbonated water. 390,048; Sept. 2; Serial No. 443,308; published June 24, 1941. Class 45.
U. S. Bottlers Machinery Co., Chicago, Ill. A monthly journal. 145,472; renewed Aug. 2, 1941.
United States Electric Manufacturing Corporation, New York, N. Y. Flash-light cases and electric batteries. 146,384; renewed Sept. 6, 1941.
Van Slyke, G. W., & Horton, Albany, to G. W. Van Slyke & Horton, Kingston, N. Y. Cigars. 150,995; renewed Jan. 10, 1942.
Venice Celery Distributors, Los Angeles, Calif. Fresh vegetables. 390,016–17; Sept. 2; Serial Nos. 442,221–2; published June 24, 1941. Class 46.
Victor Brewing Company, The, Jeannette, Pa. Beer. 145,474; renewed Aug. 2, 1941.
Vistem Corporation, New York, N. Y. Indexing cards. 390,023; Sept. 2; Serial No. 442,645; published June 24, 1941. Class 37.
Vita Zahnfabrik H. Rauter O. H. G., Essen, Germany. Artificial teeth. 389,983; Sept. 2; Serial No. 436,105; published Mar. 4, 1941. Class 44.
Wadsworth Electric Mfg. Co., Inc., Covington, Ky. Electric switches, electric fuse boxes, and combined switch and block structures. 390,004; Sept. 2; Serial No. 441,753; published June 24, 1941. Class 21.
Warren Lamp Company, Warren, Pa. Electric incandescent lamps, electric fluorescent lamps and electric fuses. 389,988; Sept. 2; Serial No. 438,253; published June 24, 1941. Class 21.
Western Cartridge Company. (See Winchester Repeating Arms Co., assignor.)
Whiting Paper Company, Holyoke, Mass. Writing paper and mailing envelopes. 151,005; renewed Jan. 10, 1942.
Winchester Repeating Arms Co., assignor, by mesne assignments, to Western Cartridge Company, New Haven, Conn. Hatchets. 148,314; renewed Nov. 8, 1941.
Winchester Repeating Arms Co., assignor, by mesne assignments, to Western Cartridge Company, New Haven, Conn. Ice-skates and roller-skates. 149,749; renewed Dec. 20, 1941.
Wocky Products Company, Kansas City, Mo. Beverages sold as soft drinks and syrups and concentrates for making the same. 389,997; Sept. 2; Serial No. 440,970; published June 24, 1941. Class 45.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Absorbents. Floridin Company. 389,993; Sept. 2; Serial No. 440,717; published June 24, 1941.
Argillaceous and carbonaceous materials, Mixture of. Barium and Chemicals, Inc. 389,976; Sept. 2; Serial No. 429,760; published June 24, 1941.
Chamois. Eastman Kodak Company. 390,029; Sept. 2; Serial No. 442,829; published June 24, 1941.
Clay used in the body composition of ceramic ware. Georgia Kaolin Company. 390,037; Sept. 2; Serial No. 443,084; published June 24, 1941.
Coal. Kearns Coal Company. 390,013; Sept. 2; Serial No. 442,175; published June 24, 1941.
Coal. Maumee Collieries Company. 390,035; Sept. 2; Serial No. 443,046; published June 24, 1941.
Coal. Truax-Traer Coal Company. 390,019; Sept. 2; Serial No. 442,376; published June 24, 1941.

CLASS 2

Bags, Paper. Crown Willamette Paper Company. 149,366–7; renewed Dec. 13, 1941.
Boxes and retaining devices employed therein, Hat packing. No-Mar Products, Inc. 390,069; Sept. 2.
Burial vaults, Metal. Crawford Metal Craftsmen, Inc. 390,065; Sept. 2.
Containers, Fiber and paper shipping. Ashtabula Corrugated Box Company. 150,228; renewed Jan. 3, 1942.

CLASS 3

Bag, purse, and pocketbook frames. J. E.-Mergott Company. 150,473; renewed Jan. 3, 1942.

CLASS 4

Abrasive discs. Industrial Abrasives, Inc. 390,057; Sept. 2.
Cleaner and polish for metals, glass, and porcelain. L. Nottebaum. 390,032; Sept. 2; Serial No. 442,915; published June 24, 1941.
Cleaner for false teeth and dental plates. Falsodent Company. 389,977; Sept. 2; Serial No. 430,574; published June 18, 1940.

CLASS 5

Glue. Monite Waterproof Glue Company. 147,646; renewed Oct. 25, 1941.

CLASS 6

Chemical composition of matter for dressing tree wounds. Davey Tree Expert Company. 150,323; renewed Jan. 3, 1942.
Hair-tonic, shampoo, and hair-cleanser. Strohmeyer & Arpe Company. 144,638; renewed July 12, 1941.
Medicinal preparations. C. W. Burgoon. 150,270; renewed Jan. 3, 1942.
Perfume, face powder, lipsticks, etc. Houbigant, Inc. 390,066; Sept. 2.
Tooth pastes and for antiseptic solution and germicidal disinfectant. Kolynos Company. 150,439; renewed Jan. 3, 1942.

CLASS 8

Cigarette paper. Ecusta Paper Corporation. 390,039; Sept. 2; Serial No. 443,119; published June 24, 1941.

CLASS 10

Limestone, Ground. Grangers Lime Company. 143,966; renewed June 21, 1941.

CLASS 12

Construction materials. Cement Gun Construction Company. 150,283; renewed Jan. 3, 1942.
Roofing, Mineral surface. Ruberoid Co. 390,068; Sept. 2.

CLASS 13

Pipe fittings and other fittings. Kuhns Brothers. 150,874; renewed Jan. 10, 1942.
Steam tables, culinary warmers, cookers, and culinary urns. Aldrich Manufacturing Co. 150,705; renewed Jan. 10, 1942.
Toilet seats, Children's training. C. G. Carlson. 389,986; Sept. 2; Serial No. 437,268; published June 24, 1941.

CLASS 14

Steels used for tools. Swedish Steel Mills A. A. 390,001; Sept. 2; Serial No. 441,494; published June 24, 1941.

CLASS 16

Paint enamel. Great Lakes Varnish Works, Inc. 390,010; Sept. 2; Serial No. 442,127; published June 24, 1941.
Paints and paint enamels. Mobile Paint Manufacturing Company of Delaware, Inc. 390,054; Sept. 2.
Polish for cleaning and polishing furniture, etc. Channell Chemical Company. 149,874; renewed Dec. 27, 1941.
Polishing wax compound. Candy and Company, Inc. 389,982; Sept. 2; Serial No. 436,001; published June 24, 1941.
Zinc oxid and mixtures containing zinc oxid. American Zinc, Lead and Smelting Company. 146,678; renewed Sept. 20, 1941.

CLASS 17

Cigars. G. W. Van Slyke & Horton. 150,995; renewed Jan. 10, 1942.
Cigars, cigarettes, chewing tobacco, and smoking tobacco. Bayuk Bros. Incorporated. 150,728–32; renewed Jan. 10, 1942.
Tobacco and cigars, Smoking. Owl Shop. 390,002; Sept. 2; Serial No. 441,588; published June 24, 1941.
Tobacco and cigarettes, Smoking and chewing. Liggett & Myers Tobacco Company. 150,882–4; renewed Jan. 10, 1942.

Tobacco, Leaf. Liggett & Myers Tobacco Company. 150,880; renewed Jan. 10, 1942.
Tobacco, Smoking and chewing. Liggett & Myers Tobacco Company. 150,881; renewed Jan. 10, 1942.

CLASS 19

Automobile accessories, Fabric. J. C. Meunier. 390,018; Sept. 2; Serial No. 442,363; published June 24, 1941.
Valve and warning signal units for hydraulic brakes, Safety lockout. Hoof Products Company. 389,970; Sept. 2; Serial No. 412,340; published June 24, 1941.

CLASS 21

Batteries, Storage. Ex-Cel Battery & Equipment Company. 390,061; Sept. 2.
Electric lighting fixtures. Day-Brite Lighting, Inc. 390,025; Sept. 2; Serial No. 442,745; published June 24, 1941.
Electrical accessories, apparatus, appliances, and supplies. New York Specialties Supply Co. 389,992; Sept. 2; Serial No. 440,339; published June 24, 1941.
Flashlight cases and electric batteries. United States Electric Manufacturing Corporation. 146,384; renewed Sept. 6, 1941.
Lamps and electric fuses. Warren Lamp Company. 389,988; Sept. 2; Serial No. 438,253; published June 24, 1941.
Switches, fuse boxes, etc., Electric. Wadsworth Electric Mfg. Co. 390,004; Sept. 2; Serial No. 441,753; published June 24, 1941.
Tubes and valves, Electrical vacuum. Radio Corporation of America. 150,948; renewed Jan. 10, 1942.

CLASS 22

Darts in the form or shape of a miniature airplane, Rubber-tipped. Spotswood Specialty Company. 390,043; Sept. 2; Serial No. 443,209; published June 24, 1941.
Fishing-baits, Artificial. L. J. Eppinger. 148,828; renewed Nov. 29, 1941.
Skates, Ice and roller. Winchester Repeating Arms Co. 149,749; renewed Dec. 20, 1941.

CLASS 23

Attrition-mills and Coffee-shellers. Engelberg Huller Company. 149,913; renewed Dec. 27, 1941.
Can openers. E. W. Carpenter Manufacturing Company. 390,000; Sept. 2.
Compressors and pumps and attachments therefor. Pennsylvania Pump & Compressor Co. 146,596; renewed Sept. 13, 1941.
Fire extinguishers, Hand-operated portable. Pyrene Manufacturing Company. 389,996; Sept. 2; Serial No. 440,955; published June 24, 1941.
Gears, Automotive. National Automotive Parts Association. 389,980; Sept. 2; Serial No. 431,705; published June 24, 1941.
Hacksaw-blades. Henry G. Thompson & Son Company. 150,140; renewed Dec. 27, 1941.
Hatchets. Winchester Repeating Arms Co. 148,314; renewed Nov. 8, 1941.
Hoists, engines, winches, etc. J. S. Mundy Hoisting Engine Co. 149,705; renewed Dec. 20, 1941.
Metal-working machinery. Defiance Machine Works, Inc. 390,026; Sept. 2; Serial No. 442,747; published June 24, 1941.
Motors, Outboard. Lauson Company. 390,055; Sept. 2.
Pumps. Hause Valve Company. 389,995; Sept. 2; Serial No. 440,815; published June 24, 1941.
Razors, Safety. Autostrop Sales Company. 390,028; Sept. 2; Serial No. 442,775; published June 24, 1941.
Shaving devices, Electrically operated. American Supercraft Corporation. 390,027; Sept. 2; Serial No. 442,770; published June 24, 1941.
Tools and parts of machinery. Greenfield Tap and Die Corporation. 147,319–22; renewed Oct. 11, 1941.
Tools, Power and automotive. Duro Metal Products Company. 389,991; Sept. 2; Serial No. 440,194; published May 20, 1941.

CLASS 26

Gages and micrometers. Greenfield Tap and Die Corporation. 147,318; renewed Oct. 11, 1941.
Goggles and sun-glasses. F. Grant Co. Inc. 389,973; Sept. 2; Serial No. 418,521; published June 27, 1939.
Meters, Traction fuel consumption. Deere & Company. 300,005; Sept. 2; Serial No. 441,765; published June 24, 1941.
Photographic cameras. Eastman Kodak Company. 390,031; Sept. 2; Serial No. 442,836; published June 24, 1941.
Standards, Precision length. George Scherr Company. 389,994; Sept. 2; Serial No. 440,759; published June 24, 1941.
Stroboscopes, Electric. C. G. Conn, Ltd. 390,064; Sept. 2.

CLASS 27

Springs for watches, Main. H. Schafran. 390,022; Sept. 2; Serial No. 442,606; published June 24, 1941.
Watches. Bulova Watch Company. 390,038; Sept. 2; Serial No. 443,106; published June 24, 1941.

CLASS 29

Toothbrushes. Sears, Roebuck and Co. 390,011; Sept. 2; Serial No. 442,146; published June 24, 1941.

CLASS 34

Apparatus for dispensing liquefied gas. Baker-Fleming Farm Gas Company. 390,012; Sept. 2; Serial No. 442,159; published June 24, 1941.
Baking ovens. Peterson Oven Company. 390,020; Sept. 2; Serial No. 442,428; published June 24, 1941.

CLASS 35

Hose, Garden. W. T. Grant Company. 390,049; Sept. 2; Serial No. 443,361; published June 24, 1941.
Hose, Radiator. Raybestos-Manhattan, Inc. 390,033; Sept. 2; Serial No. 442,974; published June 24, 1941.
Pneumatic tires, Rubber and rubber containing. Pharis Tire and Rubber Company. 390,051; Sept. 2; Serial No. 443,642; published June 24, 1941.

CLASS 37

Cards, Indexing. Vistem Corporation. 390,023; Sept. 2; Serial No. 442,645; published June 24, 1941.
Ledger-papers. Alling and Cory Company. 148,974; renewed Dec. 6, 1941.
Paper and mailing envelopes, Writing. Whiting Paper Company. 151,005; renewed Jan. 10, 1942.
Paper, Cover. Chemical Paper Manufacturing Co. 150,709; renewed Jan. 10, 1942.
Paper, Lens cleaning. Eastman Kodak Company. 390,030; Sept. 2; Serial No. 442,834; published June 24, 1941.
Paper, Printing, writing, and book, etc. Minnesota and Ontario Paper Company. 390,024; Sept. 2; Serial No. 442,667; published June 24, 1941.
Sheets, Laminated adhesive mounting. Transograph Corporation. 390,034; Sept. 2; Serial No. 443,023; published June 24, 1941.
Wrapping paper. Nekoosa-Edwards Paper Company. 390,015; Sept. 2; Serial No. 442,202; published June 10, 1941.

CLASS 38

Journal, Monthly. U. S. Bottlers Machinery Co. 145,472; renewed Aug. 2, 1941.
Periodical house organ. Ford Motor Company. 144,766; renewed July 19, 1941.
Printed publications. Engineering Magazine Company. 150,347; renewed Jan. 3, 1942.

CLASS 39

Clothing. Brownstein-Louis Company. 145,540–1; renewed Aug. 9, 1941.
Dress, negligee and work shirts, and pajamas. Alperin Strauss Co. 390,067; Sept. 2.
Dresses, blouses, slacks, etc. Glendale Frocks, Inc. 390,058; Sept. 2.
Hats, caps, straws, and felts. Modern Cap Mfg. Company. 148,166; renewed Nov. 8, 1941.
Suits, Men's and boys'. Michaels, Stern & Co. Inc. 390,053; Sept. 2.
Suits, overcoats, ulsters, mackintoshes, etc. A. C. Gaunt. 150,822; renewed Jan. 10, 1942.

CLASS 40

Blanket-bindings and tapes. Macungie Silk Company. 149,153; renewed Dec. 6, 1941.
Elastic braids. Narrow Fabric Company. 150,020; renewed Dec. 27, 1941.
Snap fasteners. De Long Hook and Eye Company. 150,329–30; renewed Jan. 3, 1942.

CLASS 42

Fabrics in the piece, Textile. Marvlo Mills, Inc. 390,050; Sept. 2; Serial No. 443,421; published June 24, 1941.
Fabrics in the piece, Knitted, netted, textile, and pile. Cheney Brothers. 145,334; renewed Aug. 2, 1941.
Laces, embroideries, and textile fabrics in the piece. Solomon & Birnbaum, Inc. 390,021; Sept. 2; Serial No. 442,500; published June 24, 1941.
Nets, Hair. Rieser Company. 150,956; renewed Jan. 10, 1942.
Piece goods. Aqua-Sec Corporation. 389,981; Sept. 2; Serial No. 433,879; published June 24, 1941.
Piece goods. Celanese Corporation of America. 390,045; Sept. 2; Serial No. 443,220; published June 24, 1941.
Piece goods. Cohn-Hall-Marx Co. 389,998; Sept. 2; Serial No. 441,084; published June 24, 1941.
Piece goods. Lord & Taylor. 390,046; Sept. 2; Serial No. 443,234; published June 24, 1941.
Piece goods of silk, wool, linen, cotton, etc. Bianchini, Férier. 144,702; renewed July 19, 1941.
Piece goods, Silk. H. R. Mallinson & Co. Inc. 146,115; renewed Aug. 30, 1941.
Piece goods, Silk. H. R. Mallinson & Co. 146,289; renewed Sept. 6, 1941.
Rugs and carpets, Woven. Olson Rug Company. 150,938; renewed Jan. 10, 1942.
Sheets and pillowcases. Pacific Mills. 390,042; Sept. 2; Serial No. 443,172; published June 24, 1941.

Silk piece goods. H. R. Mallinson & Co. 146,808; renewed Sept. 20, 1941.
Table cloths and napkins, Damask, rayon, and cotton. Kanemasu Trading Corporation. 390,047; Sept. 2; Serial No. 443,253; published June 24, 1941.
Textile curtains and drapes. International Flouncing Co. 390,059; Sept. 2.

CLASS 44

Teeth, Artificial. Vita Zahnfabrik H. Rauter O. H. G. 389,983; Sept 2; Serial No. 436,105; published Mar. 4, 1941.

CLASS 45

Beverages and concentrates and compounds for making the same. Orange-Crush Company. 390,000; Sept. 2; Serial No. 441,253; published June 24, 1941.
Beverages and syrups and concentrates for making the same. Wocky Products Company. 389,997; Sept. 2; Serial No. 440,970; published June 24, 1941.
Beverage and sirup and extract for making the same, Nonalcoholic. Seven-Up bottling Company. 390,062; Sept. 2.
Beverages and syrups for making the same and carbonated water, Nonalcoholic. Try-It Bottling Co. Inc. 390,048; Sept. 2; Serial No. 443,308; published June 24, 1941.
Carbonated water, ginger ale, and other beverages. P. G. Fuger. 389,972; Sept. 2; Serial No. 418,098; published June 24, 1941.

CLASS 46

Baking powder. Royal Baking Powder. 150,549; renewed Jan. 3, 1942.
Candy. Paul F. Beich Company. 389,990; Sept. 2; Serial No. 440,142; published June 24, 1941.
Candy. New England Confectionery Company. 146,122; renewed Aug. 30, 1941.
Candy. New England Confectionery Company. 147,657; renewed Oct. 25, 1941.
Candy, Small sugared sticks of. Chase & Company Corporation. 20,033; renewed Aug. 18, 1941.
Candy, Small sugared sticks of. Chase & Company Corporation. 20,178; renewed Sept. 29, 1941.
Canned blueberries. H. L. Forhan Co. 390,009; Sept. 2; Serial No. 442,119; published June 24, 1941.
Canned fruits. Richmond-Chase Company. 156,578; renewed Aug. 9, 1941.
Canned olives. California Olive Growers Packing Corp. 390,044; Sept. 2; Serial No. 443,219; published June 24, 1941.
Canned peaches. Reid, Murdoch & Co. 390,063; Sept. 2.
Cheese and fresh, evaporated and condensed milk. Società Anonima Lavorazione Formaggi "Salfo." 389,978; Sept. 2; Serial No. 430,805; published June 24, 1941.
Chocolate flavored preparation in powdered form for use in making food drinks. Horlick's Malted Milk Corporation. 390,003; Sept. 2; Serial No. 441,702; published June 24, 1941.
Culture for sour rye breads. Standard Brands Incorporated. 390,040; Sept. 2; Serial No. 443,139; published June 24, 1941.
Feed, Cattle, hog, and poultry. Batcheller's. 390,070; Sept. 2.
Feeds for domestic animals known to animal husbandry. Anderson, Clayton & Co. 390,014; Sept. 2; Serial No. 442,182; published June 24, 1941.
Flour, Wheat. East Coast Milling Corp. 389,989; Sept. 2; Serial No. 439,141; published Apr. 22, 1941.
Foods, Frozen. Good Humor Corporation of America. 389,975; Sept. 2; Serial No. 428,750; published June 24, 1941.
Fruits, berries, and vegetables, Quick-frozen. General Ice Cream Corporation. 390,006; Sept. 2; Serial No. 441,818; published June 24, 1941.
Fruits, Fresh citrus. National Orange Company. 389,985; Sept. 2; Serial No. 436,478; published June 24, 1941.
Ice cream. Dairipure Corporation. 390,056; Sept. 2.
Macaroni. Atlantic Macaroni Co. 149,825; renewed Dec. 27, 1941.
Macaroni and vermicelli. Liberty Maccheroni Mfg. Co. 145,400; renewed Aug. 2, 1941.
Paste products, cheese, prepared soup mixtures, etc., Alimentary. Traficanti Brothers. 390,007; Sept. 2; Serial No. 441,886; published June 24, 1941.
Potatoes. H. E. Rutland. 369,971; Sept. 2; Serial No. 418,014; published Mar. 26, 1940.
Vegetables. Venice Celery Distributors. 390,016–17; Sept. 2; Serial Nos. 442,221–2; published June 24, 1941.

CLASS 47

Wines. David Pender Grocery Co. 389,974; Sept. 2; Serial No. 427,715; published June 24, 1941.

CLASS 48

Beer. Genesee Brewing Company. 390,052; Sept. 2; Serial No. 443,691; published June 24, 1941.
Beer. Minneapolis Brewing Company. 389,979; Sept. 2; Serial No. 431,694; published June 24, 1941.
Beer. Victor Brewing Company. 145,474; renewed Aug. 2, 1941.

CLASS 49

Alcoholic aperitives. Pini Hnos. & Cía. Ltda., Sociedad Anónima Comercial E Industrial. 389,984; Sept. 2; Serial No. 436,400; published June 3, 1941.
Brandy. Gordon O'Neill Co. 389,999; Sept. 2; Serial No. 441,132; published June 10, 1941.
Brandy. G. F. Heublein & Bro. 390,041; Sept. 2; Serial No. 443,160; published June 10, 1941.
Distilled alcoholic liqueur. V. M. Ramirez. 389,987; Sept. 2; Serial No. 437,574; published June 10, 1941.
Rum, alcoholic cocktails, and beverages containing substantial portions of rum. Puerto Rico Distilling Company. 369,968; Sept. 2; Serial No. 394,146; published Jan. 4, 1938.
Whiskey. Century Distilling Company. 390,008; Sept. 2; Serial No. 441,946; published June 10, 1941.
Whiskey, gin, rum, etc. Distilled Liquors Corporation. 390,036; Sept. 2; Serial No. 443,073; published June 10, 1941.
Whiskey, Scotch. John Robertson & Son Limited. 369,960; Sept. 2; Serial No. 395,721; published June 17, 1941.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 2D DAY OF SEPTEMBER, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Barlow & Seelig Mfg. Co. (See Schroeder, Simon E., assignor.)

Bendix Aviation Corporation. (See Hogg, John W., assignor.)

Cleveland Hobbing Machine Company, The. (See Simmons, Oliver G., assignor.)

Dayton Pump and Manufacturing Company, The. (See Horvath, Anthony G., assignor.)

Decker, James W., New York, N. Y. Broad tape ticker projecting machine. Re. 21,891; Sept. 2.

Hogg, John W., Llanerch, Pa., assignor to Bendix Aviation Corporation, South Bend, Ind. Charge forming device. Re. 21,892; Sept. 2.

Horvath, Anthony G., assignor to The Dayton Pump and Manufacturing Company, Dayton, Ohio. Jet pump. Re. 21,893; Sept. 2.

Linde Air Products Company, The. (See Taylor, Charles H., assignor.)

Randel, Bo Folke, San Diego, Calif. Means and method of refrigeration. Re. 21,894; Sept. 2.

Schroeder, Simon E., assignor to Barlow & Seelig Mfg. Co., Ripon, Wis. Clothes wringer. Re. 21,895; Sept. 2.

Simmons, Oliver G., Lakewood, assignor to The Cleveland Hobbing Machine Company, Cleveland, Ohio. Worm wheel generating machine. Re. 21,896; Sept. 2.

Taylor, Charles H., Springfield, Mass., assignor to The Linde Air Products Company, New York, N. Y. Heat treating and torch therefor. Re. 21,897; Sept. 2.

LIST OF DESIGN PATENTEES

Aldridge, Basil K., assignor of fifty per cent to E. Peterson, Denver, Colo. Game board. 129,254; Sept. 2.

American Fork & Hoe Company, The. (See Lutman, Frank B., assignor.)

Appelbaum, Charles, Brooklyn, N. Y. Statuette. 129,305; Sept. 2

Appelbaum, Charles, Brooklyn, N. Y. Statuette. 129,306; Sept. 2.

Armstrong Products Corporation. (See Dudley, Roy A., assignor.)

Barrie, Kate. (See Hayt, Kate W.)

Baum, Betty, Chicago, Ill. Dress ensemble. 129,333; Sept. 2.

Baumgartner, Apollinaris, New York, N. Y. Liturgical orphrey or similar article. 129,266; Sept. 2.

Baumgartner, Apollinaris, New York, N. Y. Liturgical orphrey or similar article. 129,267; Sept. 2.

Baumgartner, Apollinaris, New York, N. Y. Liturgical orphrey or similar article. 129,268; Sept. 2.

Baumgartner, Apollinaris, New York, N. Y. Liturgical orphrey or similar article. 129,269; Sept. 2.

Baumgartner, Apollinaris, New York, N. Y. Liturgical orphrey or similar article. 129,270; Sept. 2.

Beispel, Herman, New York, N. Y. Dress or similar article. 129,342; Sept. 2.

Beispel, Herman, New York, N. Y. Dress or similar article. 129,343; Sept. 2.

Beispel, Herman, New York, N. Y. Dress or similar article. 129,344; Sept. 2.

Beispel, Herman, New York, N. Y. Dress or similar article. 129,345; Sept. 2.

Bergen, Edgar, Beverly Hills, Calif. Doll head or similar article. 129,255; Sept. 2.

Bergen, Edgar, Beverly Hills, Calif. Doll head or similar article. 129,256; Sept. 2.

Blackstone Corporation. (See Conterman, Fred A., assignor.)

Borland, Arthur F., San Francisco, Calif. Game board. 129,280; Sept. 2.

Burton-Dixie Corporation. (See Wesley, Arthur, assignor.)

Caldwell, James R., assignor to The Wooster Rubber Company, Wooster, Ohio. Protective mat for kitchen tables, stoves, and the like. 129,281; Sept. 2.

Caldwell, James R., assignor to The Wooster Rubber Company, Wooster, Ohio. Border for a protective mat for kitchen tables, stoves, and the like. 129,282; Sept. 2.

Conterman, Fred A., assignor to Blackstone Corporation, Jamestown, N. Y. Combined automatic washer and drier. 129,283; Sept. 2.

Crowell, Walter S., Melrose Park, Pa., assignor to The S. S. White Dental Manufacturing Company. Mouth mirror. 129,322; Sept. 2.

Cutler, Elizabeth, New York, N. Y. Dress. 129,346; Sept. 2.

Cutler, Elizabeth, New York, N. Y. Dress. 129,347; Sept. 2.

Cutler, Elizabeth, New York, N. Y. Dress. 129,348; Sept. 2.

Del Re, Angelo, Brooklyn, N. Y. Coat. 129,334; Sept. 2.

Del Re, Angelo, Brooklyn, N. Y. Coat. 129,335; Sept. 2.

Del Re, Angelo, Brooklyn, N. Y. Coat. 129,349; Sept. 2.

Despres, Joseph A., Scarsdale, assignor to Bernard Rice's Sons, Inc., New York, N. Y. Handle for mirrors or similar articles. 129,323; Sept. 2.

Dess, Ben, assignor to Premium Industries, Inc., Chicago, Ill. Ship lamp. 129,284; Sept. 2.

Detroit Lubricator Company. (See Leisen, Frederic A., assignor.)

DeVilbiss Company, The. (See Sundberg, Carl W., assignor.)

Dudley, Roy A., assignor to Armstrong Products Corporation, Huntington, W. Va. Ceramic element for gas heating stoves and the like. 129,324; Sept. 2.

Dworsky, Joseph S., New York, N. Y. Store front. 129,325; Sept. 2.

Eastman Kodak Company. (See Mihalyi, Joseph, assignor.)

Easy Washing Machine Corporation. (See Scheele, Charles C., assignor.)

Forse, Harry D., Anderson, Ind. Shirt pressing member. 129,301; Sept. 2.

Forstner Chain Corporation. (See Forstner, William, assignor.)

Forstner, William, assignor to Forstner Chain Corporation, Irvington, N. J. Watch bracelet. 129,326; Sept. 2.

Frank, William, Hempstead, N. Y. Razor blade holder or similar article. 129,285; Sept. 2.

Ganger, Lloyd J., Richmond Hill, N. Y. Combined stirrer and pick. 129,257; Sept. 2.

Geffner, Samuel H., New York, N. Y. Embroidered textile fabric. 129,337; Sept. 2.

General Electric Company. (See Petzold, William B., assignor.)

Gesmar, Suzanne, New York, N. Y. Textile fabric. 129,338; Sept. 2.

Goldsmith, Elmer R., New York, N. Y. Embroidered scarf or similar article. 129,302; Sept. 2.

Good, Charles W., assignor to Weil-McLain Company, Erie, Pa. Heating radiator. 129,303; Sept. 2.

Hallbauer, Otto, West Englewood, N. J. Embroidered fabric or similar article. 129,339; Sept. 2.

Hayt, Kate W., also known as Kate Barrie, Los Angeles, Calif. Combined holder for candle and flowers. 129,286; Sept. 2.

Herman, Edward B., Minneapolis, Minn. Ice cream cone. 129,271; Sept. 2.

James, Parker H., Indianapolis, Ind. Counter display case. 129,258; Sept. 2.

Johnson, Oscar F. (See Johnson, Roy A. and O. F.)

Johnson, Roy A. and O. F., Chicago, Ill. Gasoline gauge. 129,259; Sept. 2.

Joyce, Faie, assignor to Joyce, Inc., Pasadena, Calif. Shoe or similar article. 129,260; Sept. 2.

Joyce, Inc. (See Joyce, Faie, assignor.)

Justin, William E., Fort Worth, Tex. Jodhpur. 129,261; Sept. 2.

Kaufman, Paul, Brooklyn, N. Y. Combined brooch and locket or similar article. 129,287; Sept. 2.

Kessler, Betty, New York, N. Y. Dress. 129,350; Sept. 2.

Kessler, Betty, New York, N. Y. Dress. 129,351; Sept. 2.

Kessler, Betty, New York, N. Y. Dress. 129,352; Sept. 2.

Lake, Florence V., Whitestone, N. Y. Hand reflector signal. 129,288; Sept. 2.

Leisen, Frederic A., Grosse Pointe, assignor to Detroit Lubricator Company, Detroit, Mich. Air valve casing. 129,327; Sept. 2.

Lemon, George E., Youngstown, Ohio. Target game device. 129,262; Sept. 2.

Lindenbaum, Herbert B., New York, N. Y. Dress. 129,353; Sept. 2.

Lutman, Frank B., Willoughby, assignor to The American Fork & Hoe Company, Cleveland, Ohio. Pruning shears. 129,289; Sept. 2.
McCardell, Claire, New York, N. Y. Dress. 129,340; Sept. 2.
Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Range finder. 129,290; Sept. 2.
Mine Safety Appliances Company. (See Yant, William P., assignor.)
Morrison, James J., Saratoga Springs, N. Y. Rigid awning. 129,263; Sept. 2.
Payne, Ruth, New York, N. Y. Dress. 129,354; Sept. 2.
Peterson, Ernest. (See Aldridge, Basil K., assignor.)
Petzold, William B., Pittsfield, Mass., assignor to General Electric Company. Lipstick container. 129,291; Sept. 2.
Philippe, Alfred, New York, N. Y. Pin clip. 129,307; Sept. 2.
Philippe, Alfred, New York, N. Y. Pin clip. 129,308; Sept 2.
Philippe, Alfred, New York, N. Y. Pin clip. 129,309; Sept. 2.
Philippe, Alfred, New York, N. Y. Pin clip. 129,310; Sept. 2.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 129,311; Sept. 2.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 129,312; Sept. 2.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 129,313; Sept. 2.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 129,314; Sept. 2.
Philippe, Alfred, New York, N. Y. Brooch on similar article. 129,315; Sept. 2.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 129,316; Sept. 2.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 129,317; Sept. 2.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 129,318; Sept. 2.
Premium Industries, Inc. (See Dess, Ben, assignor.)
Rice's, Bernard, Sons, Inc. (See Despres, Joseph A., assignor.)
Riesenberg, Samuel, New York, N. Y. Dress ensemble. 129,355; Sept. 2.
Scheele, Charles C., assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Washing machine agitator. 129,292; Sept. 2.
Selle, Oliver, Clayton, Mo. Pin or similar article of jewelry. 129,293; Sept. 2.
Shaeffer, W. A., Pen Company. (See Stempel, Herman K., assignor.)
Sherman, Sol, Philadelphia, Pa. Ice-cream cone. 129,294; Sept 2.
Siegel, Sydney, New York, N. Y. Suit. 129,336; Sept. 2.
Silvers, Jim I., Chicago, Ill. Clock. 129,264; Sept. 2.
Spaney, Alfred, New York, N. Y. Brooch or similar article. 129,319; Sept. 2.
Spaney, Alfred, New York, N. Y. Brooch or similar article. 129,320; Sept. 2.
Spaney, Alfred, New York, N. Y. Brooch or similar article. 129,321; Sept. 2.
Stempel, Herman K., assignor to W. A. Shaeffer Pen Company, Fort Madison, Iowa. Mechanical pencil or the like. 129,295; Sept. 2.
Stewart, Gladys, Oakland, Calif. Hand carried traffic signal. 129,296; Sept. 2.
Sundberg, Carl W., Birmingham, Mich., assignor to The DeVilbiss Company, Toledo, Ohio. Atomizer. 129,297; Sept. 2.
Sutcliffe, Harry L., New York, N. Y. Shoe. 129,272; Sept. 2.
Sutcliffe, Harry L., New York, N. Y. Shoe. 129,273; Sept. 2.
Sutcliffe, Harry L., New York, N. Y. Shoe. 129,274; Sept. 2.
Sutcliffe, Harry L., New York, N. Y. Shoe. 129,275; Sept. 2
Sutcliffe, Harry L., New York, N. Y. Shoe. 129,276; Sept. 2.
Sutcliffe, Harry L., New York, N. Y. Shoe. 129,277; Sept. 2.
Sutcliffe, Harry L., New York, N. Y. Shoe. 129,278; Sept. 2.
Sutcliffe, Harry L., New York, N. Y. Shoe. 129,279; Sept. 2.
Sutcliffe, Harry L., New York, N. Y. Shoe. 129,298; Sept. 2.
Sutcliffe, Harry L., New York, N. Y. Shoe. 129,299; Sept. 2.
Sutcliffe, Harry L., New York, N. Y. Shoe. 129,300; Sept. 2.
Turcotte, Nini, New York, N. Y. Slip. 129,341; Sept. 2.
Weeks, Harold E., Brooklyn, N. Y. Casing for glass- or dish-washing machine. 129,304; Sept. 2.
Weil-McLain Company. (See Good, Charles W., assignor.)
Wesley, Arthur, assignor to Burton-Dixie Corporation, Chicago, Ill. Chaise. 129,328; Sept. 2.
White, S. S., Dental Manufacturing Company, The. (See Crowell, Walter S., assignor.)
Wilson, Thad, Gary, Ind. Finger bowl or similar article. 129,265; Sept. 2.
Woodley, Gordon K., Brantford, Ontario, Canada. Bottle or similar article. 129,329; Sept. 2.
Wooster Rubber Company, The. (See Caldwell, James R., assignor.)
Yant, William P., assignor to Mine Safety Appliances Company, Pittsburgh, Pa. Gas mask. 129,330; Sept. 2.
Yant, William P., assignor to Mine Safety Appliances Company, Pittsburgh, Pa. Gas mask. 129,331; Sept. 2.
Yant, William P., assignor to Mine Safety Appliances Company, Pittsburgh, Pa. Gas mask. 129,332; Sept. 2.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 2D DAY OF SEPTEMBER, 1941

NOTE.--Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Aamodt, Thoralf, Annadale, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. (Pulse delay relay. 2,254,589; Sept. 2.
Ackermann, William F. D., Kaylor, S. Dak. Loose-leaf filing index. 2,254,987; Sept. 2.
Acme Metal Goods Manufacturing Co. (See Gamache, Homer, assignor.)
Adams, Curtis W., assignor to International Industries, Inc., Ann Arbor, Mich. Photographic printer. 2,254,878; Sept. 2.
Adams, George W., Norfolk, Va. Marine light. 2,254,988; Sept. 2.
Adams, John S., East Providence, R. I., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Hydraulic fire foam lift. 2,254,879; Sept. 2.
Advance Patents Corporation. (See Squire, Nathen E., assignor.)
Aktiebolaget C. E. Johansson. (See Johansson, John O. E.)
Albach, Frank, and G. R. Chervenka, assignors to Fred Medart Manufacturing Company, St. Louis, Mo. Basketball goal. 2,254,507; Sept. 2.
Albert, Lisa, New York, N. Y. High-chair pad. 2,254,466; Sept. 2.
Aldous, William H., and D. C. Espley, Wembley, England, assignors to Hazeltine Corporation. Power-supply system. 2,254,721; Sept. 2.
Allard, Pierre J.-M. T., Le Havre, assignor to Societe Francaise de Construction de Bennes Automatiques, Graville-Le Havre, France. Grab. 2,255,033; Sept. 2.
Allardt, Hans-Georg, Philippsthal, and L. Strassberger, Berlin-Wilmersdorf, assignors, by mesne assignments, to Schering Corporation, Bloomfield, N. J. Acids of the cyclopentano polyhydro phenanthrene series and their derivatives, and producing the same. 2,254,407; Sept. 2.
Allen, Charles L., Portland, Oreg. Sanitary pump closure. 2,254,408; Sept. 2.
Allen, John M., Toronto, Ontario, Canada, assignor to Scott & Williams, Incorporated, Laconia, N. H. Knitted article and knitting same. 2,254,409; Sept. 2.
Allen, Lawrence H., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Subscriber line circuit. 2,254,723; Sept. 2.
Allen-Sherman-Hoff Company, The. (See Pursel, Harold R., assignor.)
Aller, Willis F., Dayton, Ohio, assignor to The Sheffield Corporation. Gauging device. 2,254,259; Sept. 2.
Aller, Willis F., Dayton, Ohio, assignor to The Sheffield Corporation. Gauging apparatus. 2,254,812; Sept. 2.
Aller, Willis F. (See Poock, L. F., and Aller.)
Alles, Francis P., Donelson, Tenn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulosic sheeting. 2,254,200; Sept. 2.
Allis-Chalmers Manufacturing Company. (See Frudden, Conrad E., assignor.)
Allis-Chalmers Manufacturing Company. (See Frudden, C. E., and Strehlow, assignors.)
Aluminum Company of America. (See Kohl, G. C., and Guyot, assignors.)
Ambuhl, Frank F. (See Ashworth, E. M., and Ambuhl.)
American Can Company. (See Taylor, William E., Jr., assignor.)
American District Telegraph Company. (See Spamer, Richard F., assignor.)
American Flange & Manufacturing Co. (See Williams, Max W., assignor.)
American Foundry Equipment Company, The. (See Minich, Verne E., assignor.)
American Magnesium Metals Corporation. (See Erdmann, Konrad, assignor.)
American Mono Rail Company, The. (See Harris, F. C., and Miller, assignors.)
American Optical Company. (See Moulton, Harold R., assignor.)
American Optical Company. (See Splaine, Edward M., assignor.)
American Optical Company. (See Tillyer, E. D., Moulton, and Gunn, assignors.)
American Ore Reclamation Company. (See Shallock, Edward W., assignor.)
American Rolling Mill Company, The. (See Reed, Eo, assignor.)
Anderson, Samuel M., Sharon, assignor to B. F. Sturtevant Company, Hyde Park, Boston, Mass. Air conditioning system. 2,254,813; Sept. 2.
Anderson, Victor, Cliffside Park, assignor to Alfred Hofman & Company, West New York, N. J. United needle mounting. 2,254,201; Sept. 2.
Anderson, Walter A., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Accounting machine. 2,254,765; Sept. 2.
Andrae, Milton L., assignor to The T. L. Smith Company, Milwaukee, Wis. Concrete mixer. 2,254,639; Sept. 2.
André, Eugène, Vincennes, France, assignor to International Business Machines Corporation, New York, N. Y. Record material testing machine. 2,254,197; Sept. 2.
Andren, Karl H., assignor to Artos Engineering Company, Milwaukee, Wis. Motion transmitting mechanism. 2,254,766; Sept. 2.
Andresen, Haakon C. H., Hellerup, near Copenhagen, Denmark. Multicylinder, single-acting, two-stroke-cycle internal combustion engine of the cross-head type. 2,254,410; Sept. 2.
Andresen, Halvor T. H., Oslo, Norway. Device for closing of containers, coupling of tubes, etc. 2,254,559; Sept. 2.
Andrieu, Robert, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Sawtooth wave generator. 2,254,344; Sept. 2.
Angel, Herbert, Brooklyn, and J. W. Robinson, Far Rockaway, assignors to The Western Union Telegraph Company, New York, N. Y. Telegraph signal storage apparatus. 2,254,814; Sept. 2.
Angier, Edward H., as trustee. (See Brown, Harry W., assignor.)
Aoki, Sataro, Tokyo, Japan, assignor to General Electric Company. Discharge device. 2,254,722; Sept. 2.
Archambeau, Lester M., Farmville, Va. Supercharger. 2,254,927; Sept. 2.
Archer, Edward M. (See Schur, M. O., and Archer.)
Arcier, Alex F., and M. P. Baker, Dayton, assignors to The Waco Aircraft Company, Troy, Ohio. Aircraft landing gear. 2,254,260; Sept. 2.
Armour & Company. (See Ralston, A. W., and Barrett, assignors.)
Armstrong Cork Company. (See Kinzer, William W., assignor.)
Arnold, Harold A., assignor to The University of Tennessee Research Corporation, Knoxville, Tenn. Windrower. 2,254,672; Sept. 2.
Artos Engineering Company. (See Andren, Karl H., assignor.)
Aschermann, Gunther, Berlin-Charlottenburg, Germany, assignor to General Electric Company. Luminescent material. 2,254,956; Sept. 2.
Ash, Charles S., Milford, Mich. Dual wheel assembly. 2,254,198; Sept. 2.
Ashkenaz, David M., assignor to John Wyeth and Brother, Incorporated, Philadelphia, Pa. Method and apparatus for controlling intermittent fluid flow. 2,254,833; Sept. 2.
Ashworth, Edward M., and F. F. Ambuhl, assignors to Toronto Electric Commissioners, Toronto, Ontario, Canada. Reverse power relay. 2,254,411; Sept. 2.
Associated Electric Laboratories, Inc. (See Raber, Samuel G., assignor.)
Astatic Corporation, The. (See Semple, C. E., and Malat, assignors.)
Audubon Wire Cloth Corporation. (See Scherfel, Otto C., assignor.)
Aukland, Gabriel, Rantoul, Ill. (Tractor tire. 2,254,787; Sept. 2.
Auld, Frederick, Charleston, W. Va., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Alternating-current motor starting system. 2,254,928; Sept. 2.
Auto Venette Company Incorporated. (See Judge, F., and Donovan, assignors.)
Automatic Pump & Softener Corporation. (See Daniels, Lee G., assignor.)
Automatic Signal Corporation. (See Wilcox, Harry A., assignor.)
Automotive Products Company Limited. (See Brock, D. T., and Gates, assignors.)
Automotive Products Company, Limited. (See Gates, Geoffrey R. G., assignor.)
Avery Equipment Limited. (See Fisher, Reginald John, assignor.)
Babcock & Wilcox Company, The. (See Koch, Paul H., assignor.)
Babcock & Wilcox Company, The. (See Langvand, Ivar L., assignor.)
Badmaieff, Alexis, Los Angeles, Calif. Sound recording device. 2,254,412; Sept. 2.
Bailey, William A., Jr. (See McAllister, S. H., and Bailey.)

Baker, Fred, assignor of two-thirds to N. Sherman and V. Baker, Milwaukee, Wis. Safety steering wheel. 2,254,840; Sept. 2.
Baker, Max P. (See Arcier, A. F., and Baker.)
Baker, Victor, et al. (See Baker, Fred, assignor.)
Baldwin, Charles F., Schenectady, N. Y., and S. A. Bokovoy, Audubon, N. J., assignors to Radio Corporation of America. Piezoelectric crystal element. 2,254,866; Sept. 2.
Baldwin, Eugene F., San Francisco, Calif. High voltage switch. 2,254,560; Sept. 2.
Ballard, Seaver A., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Acid recovery process. 2,254,788; Sept. 2.
Ballmann, Vincent H., St. Louis, Mo. Seed and grain separator and cleaner. 2,254,345; Sept. 2.
Baltuch, David, Brooklyn, N. Y. Cutting implement. 2,254,190; Sept. 2.
Bannister, Clyde E., Bartlesville, Okla. Earth-boring apparatus and motor therefor. 2,254,641; Sept. 2.
Bany, Herman, and W. P. Simpson, Lansdowne, Pa., assignors to General Electric Company. Control system. 2,254,724; Sept. 2.
Barbat, Mike, Jr., Sharon, Pa. Lightning arrester. 2,254,673; Sept. 2.
Bardwell, Dwight C., Syracuse, assignor to The Solvay Process Company, New York, N. Y. Manufacture of acetic acid. 2,254,725; Sept. 2.
Bardwell, John E., St. Louis, and W. Hrach, Richmond Heights, Mo. Model airplane. 2,254,767; Sept. 2.
Barnby, Herbert A., and J. M. Wheaton, Toledo, Ohio. Venting closure. 2,254,815; Sept. 2.
Barnby, Herbert A., W. B. Hullhorst, and C. P. Whittier, Toledo, Ohio, assignors to Owens-Illinois Glass Company. Apparatus for vacuum sealing containers. 2,254,642; Sept. 2.
Barnes, George E., Cleveland, Ohio. Aluminum alloy. 2,254,202; Sept. 2.
Barnes Motor Developments Company. (See Barnes, William B., assignor.)
Barnes, William B., assignor to Barnes Motor Developments Company, Muncie, Ind. Vacuum control for transmissions. 2,255,020; Sept. 2.
Barney, Freeman, Spring Lake, assignor to The Challenge Machinery Company, Grand Haven, Mich. Safety knife bar latch for paper cutters. 2,254,467; Sept. 2.
Barnsteiner, Alfons, and E. H. Lockwood, Mansfield, Ohio, asignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Heating unit. 2,254,880; Sept. 2.
Barrett Equipment Company. (See Barrett, Harry B., assignor.)
Barrett, Harry B., assignor to Barrett Equipment Company, St. Louis, Mo. Honing tool. 2,254,508; Sept. 2.
Barrett, John P. (See Ralston, A. W., and Barrett.)
Barringer, Wallis & Manners, Limited. (See Dove, John A., assignor.)
Bassett, Rex E., Jr., assignor to Bendix Home Appliances, Inc., South Bend, Ind. Sequential controller. 2,254,509; Sept. 2.
Bassick Company, The. (See Herold, Walter F., assignor.)
Bastian-Blessing Company, The. (See Buttner, W. C., and Norway, assignors.)
Battershell, Harold D., Detroit, Mich. Cutting device. 2,254,413; Sept. 2.
Bauer, Edwin, Berlin, Germany. Testing flour as to color and ash content. 2,255,034; Sept. 2.
Bay State Optical Company. (See Nerney, George E., assignor.)
Bay, Zoltan, Ujpest, and G. Szigeti, Budapest, Hungary, assignors to General Electric Company. Electric source of light. 2,254,957; Sept. 2.
Bazzoni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Heel-fitting machine. 2,254,346; Sept. 2.
Beaver, Charles J., Bowdon, and E. L. Davey, Timperley, assignors to W. T. Glover and Company Limited, Trafford Park, Manchester, England. Fluid-tight joint. 2,254,958; Sept. 2.
Beckwith Manufacturing Company. (See Lovell, Stanley P., assignor.)
Beggs, James E., Scotia, N. Y., assignor to General Electric Company. Discharge device. 2,254,726; Sept. 2.
Beggs, James E., Scotia, N. Y., assignor to General Electric Company. Discharge device. 2,254,727; Sept. 2.
Bell, Angus S., Spondon, near Derby, assignor to Celanese Corporation of America. Textile material. 2,254,881; Sept. 2.
Bell, Benjamin S., et al. (See Okie, Howard P., assignor.)
Bell Telephone Laboratories, Incorporated. (See Aamodt, Thoralf, assignor.)
Bell Telephone Laboratories, Incorporated. (See Allen, Lawrence H., assignor.)
Bell Telephone Laboratories, Incorporated. (See Bollman, John H., assignor.)
Bell Telephone Laboratories, Incorporated. (See Bruce, Edmond, assignor.)
Bell Telephone Laboratories, Incorporated. (See Dickieson, Alton C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Faley, George J. V., assignor.)
Bell Telephone Laboratories, Incorporated. (See Felch, Edwin P., Jr., assignor.)
Bell Telephone Laboratories, Incorporated. (See Maggio, John B., assignor.)
Bell Telephone Laboratories, Incorporated. (See Mallina, Rudolph F., assignor.)
Bell Telephone Laboratories, Incorporated. (See Mattke, Charles F., assignor.)
Bell Telephone Laboratories, Incorporated. (See Miller, Ralph L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Wilson, Ira G., assignor.)
Bender, William, Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Method and apparatus for the production of sheets and films. 2,254,205; Sept. 2.
Bendix Aviation Corporation. (See Mac Neil, Charles I., assignor.)
Bendix Aviation Corporation. (See Sekella, Youston, assignor.)
Bendix Home Appliances, Inc. (See Bassett, Rex E., Jr., assignor.)
Bendix Home Appliances, Inc. (See Clark, Kendall, assignor.)
Benner, Raymond C. (See Kirchner, H. P., Melton and Benner.)
Bennewitz, Richard G., Jersey City, N. J., assignor to Crucible Steel Company of America, New York, N. Y. Apparatus for handling metal strip from rolling mills. 2,254,348; Sept. 2.
Benson, Albert L., Los Angeles, Calif. Knitting reel. 2,254,468; Sept. 2.
Benson, Jesse M., Concord, Tenn. Safety brake for winches. 2,254,989; Sept. 2.
Benthem, Emond J., Rotterdam, Netherlands. Framework for metallic vessels. 2,254,561; Sept. 2.
Benton, Harold Z., Glencoe, and L. P. Morris, assignors to Crowe Name Plate & Manufacturing Co., Chicago, Ill. Radio tuning apparatus. 2,254,780; Sept. 2.
Benton, Harold Z., Glencoe, assignor to Crowe Name Plate & Manufacturing Co., Chicago, Ill. Lamp bracket. 2,254,790; Sept. 2.
Berger, Henry G., Woodbury, N. J., and G. M. Fisher and F. C. Ruff, Los Angeles, Calif., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Separating paraffin wax from oil. 2,254,597; Sept. 2.
Bergmann, Marco, New York, N. Y. Hair curler. 2,254,816; Sept. 2.
Bergmann, Richard F. (See Torrence, G. R., Bergmann, and Knebusch.)
Bergstein, Robert M., Cincinnati, Ohio. Forming tubular structures. 2,254,510; Sept. 2.
Berkeley, Laurence J., Cleveland, Ohio. Belt clutch. 2,254,592; Sept. 2.
Bertele, Ludwig, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany Photographic objective. 2,254,511; Sept. 2.
Bertolami, Joan C., Quincy, assignor to J. F. Creed, Boston, Mass. Garment. 2,254,929; Sept. 2.
Bessiere, Fernand. (See Léger, B., Dussaillant, Bessiere, and Boyer.)
Best, Frank C., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,254,261; Sept. 2.
Betry, Owen C., Glendale, Calif. Dual carburetor control. 2,254,834; Sept. 2.
Bierenfeld, Josef, Milwaukee, Wis., assignor to Square D Company, Detroit, Mich. Electric switch. 2,254,768; Sept. 2.
Bigler, Robert H. (See Randolph, D. W., and Bigler.)
Bitner, Ralph E. (See Harris, L., and Bitner.)
Bitney, Dewey H., assignor to Union Steel Products Company, Albion, Mich. Pavement joint assembly unit. 2,254,769; Sept. 2.
Bitney, Dewey H., assignor to Union Steel Products Company, Albion, Mich. Display rack. 2,254,770; Sept. 2.
Bitney, Dewey H., assignor to Union Steel Products Company, Albion, Mich. Pavement joint assembly unit. 2,254,771; Sept. 2.
Bjorksten, Johan, assignor to Ditto, Incorporated, Chicago, Ill. Nonflammable solvent. 2,254,469; Sept. 2.
Bjorksten, Johan. (See Hess, A. L., and Bjorksten.)
Bjornson, Gordon A., Wahpeton, N. Dak. Battery connection. 2,254,835; Sept. 2.
Black-Clawson Company, The. (See Kutter, Herman L., assignor.)
Blakesley, George R., West Los Angeles, Calif. Electric switch. 2,254,347; Sept. 2.
Blank, Rudolph H., Treadwell, N. Y. Automatic safety valve for hydraulic brakes. 2,254,990; Sept. 2.
Blankenbuehler, John H., Edgewood, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Welding system. 2,254,882; Sept. 2.
Blattner, Emil H., assignor to The Symington-Gould Corporation, Rochester, N. Y. Side bearing. 2,254,791; Sept. 2.
Blenker, Sylvon B., Chicago, Ill. Internal combustion engine. 2,254,817; Sept. 2.
Blomberg, Martin P., Hinsdale, Ill., assignor to General Motors Corporation, Detroit, Mich. Locomotive door construction. 2,254,470; Sept. 2.
Blumlein, Alan D., Ealing, London, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Television system. 2,254,204; Sept. 2.
Blockmühl, Max, G. Ehrhart, and H. Ruschig, Frankfort-on-the-Main-Hochst, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Preparing ketones of the sterol series. 2,254,562; Sept. 2.

Bokovoy, Samuel A. (See Baldwin, C. F., and Bokovoy.)
Boldingh, Willen H., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, as trustee, Hartford, Conn. Impulse voltage apparatus. 2,254,836; Sept. 2.
Bollman, John H., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal transmission system. 2,254,205; Sept. 2.
Bonner, Raymond W., and H. M. Kirschbaum, Detroit, Mich.; said Bonner assignor to said Kirschbaum. Microphonic transmitter. 2,254,206; Sept. 2.
Bonotto, Michele, Evansville, Ind., assignor to Extractol Process, Ltd., Wilmington, Del. Continuous treatment of exhausted solvent-impregnated solid agglutinative organic material. 2,254,867; Sept. 2.
Bottoms, Robert R. (See Pittman, E. E., and Bottoms.)
Bowlin, Robert, Indio, Calif. Land leveling machine. 2,254,414; Sept. 2.
Boyd, Donald, and H. E. Fenner, Eau Claire, Wis. Tire cooker. 2,254,415; Sept. 2.
Boyer, Fernand. (See Léger, B., Dussaillant, Bessiere, and Boyer.)
Boyle, Cyril J., Sioux Falls, S. Dak. Protective pad. 2,254,883; Sept. 2.
Boynton, Alexander, San Antonio, Tex. Bellows type stage lift for wells. 2,254,207; Sept. 2.
Braaten, Arthur M., Riverhead, N. Y., assignor to Radio Corporation of America. Balanced high frequency circuit. 2,254,590; Sept. 2.
Brady, John B. (See Halstead, William S., assignor.)
Brasington, Charles P., Cincinnati, Ohio. Grinding mill. 2,254,512; Sept. 2.
Bratring, Kurt, Dahlem, Berlin, Germany, assignor to Neocell Products Corporation. Method of and apparatus for producing hollow bodies. 2,254,262; Sept. 2.
Bratring, Kurt, Dahlem, Berlin, Germany, assignor to Neocell Products Corporation. Producing highly lustrous hollow bodies from cellulose products and other substances. 2,254,263; Sept. 2.
Breckenridge, Frank. (See Clark, E. K., and Breckenridge.)
Breeden, Edward T., assignor of one-half to H. L. Rumme, Fort Dodge, Iowa. Storage battery carrier. 2,254,991; Sept. 2.
Breese, James L., assignor to Oil Devices, Santa Fe, N. Mex. Burner for liquid fuel. 2,254,930; Sept. 2.
Breth, Walter J., assignor to The General Tire & Rubber Company, Akron, Ohio. Chuck. 2,254,588; Sept. 2.
Breth, Walter J., and M. L. Engler, assignors to The General Tire & Rubber Company, Akron, Ohio. Tube splicing machine. 2,254,596; Sept. 2.
Bridges, Edward G., assignor to Lynch Corporation, Anderson, Ind. Machine for and method of forming hollow glassware. 2,254,992; Sept. 2.
Briggs Manufacturing Company. (See Tjaarda, John, assignor.)
Brigham, Nelson E., Kearny, N. J., and J. E. Holveck, Crafton, Pa., assignors to Worthington Pump and Machinery Corporation, Harrison, N. J. Pump unloading mechanism. 2,254,884; Sept. 2.
Brinneman, Russell, Bartlesville, Okla., assignor to Phillips Petroleum Company. Brake apparatus for oil well pulling equipment. 2,254,563; Sept. 2.
Bristol Aeroplane Company Limited, The. (See Frise, Leslie G., assignor.)
Brock, John B., Charlotte, N. C., assignor, by mesne assignments, to J. M. H. Cutler. Dispensing apparatus. 2,254,208; Sept. 2.
Brock, Denis T., and G. R. G. Gates, assignors to Automotive Products Company Limited, London, England. Brake. 2,254,349; Sept. 2.
Brostrom, Charles G., Salem, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Adhesive applying machine. 2,254,350; Sept. 2.
Broussard, Robert F. (See Toce, C. A., Broussard, and Holland.)
Brown, Archibald M., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Vessel welding method and apparatus. 2,254,792; Sept. 2.
Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Loom selvage device. 2,254,868; Sept. 2.
Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Selvage device for looms. 2,254,869; Sept. 2.
Brown Company. (See Schur, M. O., and Archer, assignors.)
Brown, Fred O. C., Grand Rapids, Mich. Necktie. 2,254,993; Sept. 2.
Brown, Harry W., Saxonville, assignor to E. H. Angier, Framingham, Mass., as trustee. Strip-dispensing mechanism for coil-wrapping machines. 2,254,934; Sept. 2.
Brown Instrument Company, The. (See Moore, Coleman, B., assignor.)
Brown, Stanley C., Springfield, Mass. Ski construction. 2,254,818; Sept. 2.
Bruce, Edmond, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge apparatus. 2,254,264; Sept. 2.
Bruce, Edmond, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge apparatus. 2,254,265; Sept. 2.
Bruen, George C., assignor to Rotary Index Co., Inc., Chicago, Ill. Intertray shifting for visible index systems. 2,254,728; Sept. 2.
Bryant, Frank D., Stratford, and W. R. Young, Fairfield, Conn., assignors to General Electric Company. Electric switch. 2,254,729; Sept. 2.
Bryce, James W., Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N. Y. Control record for accounting machines. 2,254,931; Sept. 2.
Bryce, James W., Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N. Y. Statistical machine. 2,254,932; Sept. 2.
Bryce, James W., Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N. Y. Record controlled machine. 2,254,933; Sept. 2.
Budd, Edward G., Manufacturing Company. (See Schäfer, Kurt, assignor.)
Budd Wheel Company. (See Eksergian, Carolus L., assignor.)
Bulldog Electric Products Company. (See Gottheimer, Herman, assignor.)
Burleigh, James K., and L. Schwartz, Yonkers, N. Y. Pencil sharpener. 2,254,772; Sept. 2.
Burns, Earl A., assignor to Woodall Industries, Inc., Detroit, Mich. Mechanical refrigerator. 2,254,837; Sept. 2.
Burns, Leroy H., Cleveland, Ohio, assignor to The National Telephone Supply Company. Compression tool. 2,254,416; Sept. 2.
Burstyn, Walther, Berlin, Germany. Grid controlled tube with electron multiplier. 2,254,793; Sept. 2.
Busse, Edwin G., assignor to Chicago Railway Equipment Company, Chicago, Ill. Railway truck structure. 2,254,513; Sept. 2.
Busse, Edwin G., assignor to Chicago Railway Equipment Company, Chicago, Ill. Railway truck brake gear. 2,254,514; Sept. 2.
Butland, Ralph A., Lowell, Mass. Transfusion apparatus. 2,254,994; Sept. 2.
Butler, Oscar S., Cleveland, Ohio. Score card. 2,254,773; Sept. 2.
Butterfield, Trevor L. H., Sale, England, assignor to General Electric Company. Time element electroresponsive device. 2,254,730; Sept. 2.
Buttner, William C., Winnetka, and H. L. Norway, Evanston, assignors to The Bastian-Blessing Company, Chicago, Ill. Valve. 2,254,209; Sept. 2.
Bystricky, Joseph. (See Thomas, G. F., and Bystricky.)
California Fruit Growers Exchange. (See Higby, Ralph H., assignor.)
Cameron, Allan M., assignor to Cameron Can Machinery Co., Chicago, Ill. Machine for gassing and closing can bodies. 2,254,819; Sept. 2.
Cameron Can Machinery Co. (See Cameron, Allan M., assignor.)
Campbell, Rouel R., Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Making shoes. 2,254,351; Sept. 2.
Cannon, Merle D., Waukomis, Okla. Hair curler. 2,254,266; Sept. 2.
Carborundum Company, The. (See Kirchner, H. P., Melton, and Benner, assignors.)
Carborundum Company, The. (See Wooddell, Charles E., assignor.)
Card, Frederic M., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Feeding mechanism for sewing machines. 2,254,794; Sept. 2.
Carley, Leonard R., Watertown, assignor to The Patent Button Company, Waterbury, Conn. Tack button. 2,254,417; Sept. 2.
Carley, Leonard R., Watertown, assignor to The Patent Button Company, Waterbury, Conn. Reinforced plastic button. 2,254,418; Sept. 2.
Carlson, Elof L., assignor to The E. Ingraham Company, Bristol, Conn. Clock casing. 2,254,599; Sept. 2.
Carroll, Ellsworth W., assignor to S & W Fine Foods, Inc., San Francisco, Calif. Full automatic orientator. 2,254,594; Sept. 2.
Carroll, Ellsworth W., assignor to S & W Fine Foods, Inc., San Francisco, Calif. Apparatus for orienting fruits having a long axis. 2,254,595; Sept. 2.
Carswell, Firman L., Johnson County, Kans., and O. W. Schmidt, Kansas City, Mo. Drainage for slab roadways. 2,254,885; Sept. 2.
Carswell, Thomas S., Kirkwood, assignor to Monsanto Chemical Company, St. Louis, Mo. Preserving latex and product. 2,254,267; Sept. 2.
Cascio, Domenico, Atlantic Highlands, N. J. Protective composition. 2,254,471; Sept. 2.
Caslake, Charles R., Tooronga, Melbourne, Victoria, Australia. Wheel truck. 2,254,564; Sept. 2.
Castle, Lucy M., Akron, Ohio. Safety lock for automobile doors. 2,254,419; Sept. 2.
Cejka, Leo A. (See Thompson, G. L., and Cejka.)
Celanese Corporation of America. (See Bell, Angus S., assignor.)
Celanese Corporation of America. (See Moss, William H., assignor.)
Celanese Corporation of America. (See Wylde, J. W., and Swift, assignors.)
Chadbourne, Mont C., Holden, Wash. Acetylene gas generator. 2,254,995; Sept. 2.
Chain Store Products Corporation. (See Hermsdorf, Walter H., assignor.)
Challenge Machinery Company, The. (See Barney, Freeman, assignor.)
Champlain Corporation. (See Grupe, William F., assignor.)

Chappelle, Peter J., Butte, Mont. Emulsifying clarifier vitalizer. 2,254,565; Sept. 2.
Cheney, Corey R. (See von Soden, Adolph F., assignor.)
Chervenka, George R. (See Albach, F., and Chervenka.)
Chicago Development Company. (See Dean, Reginald S., assignor.)
Chicago Flexible Shaft Company. (See Koci, Ludvik J., assignor.)
Chicago Railway Equipment Company. (See Busse, Edwin G., assignor.)
Chicarelli, Charles F., Elizabeth, N. J. Bowling ball. 2,254,731; Sept. 2.
Christman, John M., assignor to Packard Motor Car Company, Detroit, Mich. Metalworking. 2,254,674; Sept. 2.
Chrysler Corporation. (See Michailoff, A., and Johnson, assignors.)
Chrysler Corporation. (See Saunders, S. G., and Morrison, assignors.)
Chrysler Corporation. (See Slack, F. W., and Utz, assignors.)
Chrysler Corporation. (See Zierer, Wallace E., assignor.)
Church, Walter L., Houston, Tex. Valve. 2,254,268; Sept. 2.
Church, William H. (See Watson, R. M., Church, and Haeberlein.)
Cinema-Television Limited. (See Grayson, Harry, assignor.)
Cities Service Oil Company. (See Kaplan, William, assignor.)
Clairol, Inc. (See Schlicker, Herman C., assignor.)
Clark, Earl K., and F. Breckenridge, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Washing apparatus. 2,254,269; Sept. 2.
Clark, Kendall, South Bend, Ind., assignor to Bendix Home Appliances, Inc., Detroit, Mich. Washing machine. 2,254,515; Sept. 2.
Clark Thread Company, The. (See Shepherd, Thomas L., assignor.)
Clayton, Benjamin, Houston, Tex., assignor to Refining, Inc., Reno, Nev. Method and apparatus for making and processing soap. 2,254,996; Sept. 2.
Clehm, William H., Coldwater, N. Y. Service signaling system. 2,254,643; Sept. 2.
Cleveland, Everett, Salt Lake City, Utah, assignor of one-half to A. L. Layden, Los Angeles, Calif. Refrigerating apparatus. 2,254,420; Sept. 2.
Cloud, Gould H., Elizabeth, and W. J. Sparks, Cranford, N. J., assignors to Standard Oil Development Company. Manufacture of alkyl nitrates. 2,254,352; Sept. 2.
Clayburn, David D., Bethune, S. C. Cultivator distributor attachment. 2,254,675; Sept. 2.
Cocozella, Anthony, Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Shoe and shoe heel. 2,254,353; Sept. 2.
Coles, Walter H., B. J. Nelson, and B. Jennings, assignors to The Skinner Irrigation Company, Troy, Ohio. Sprinkling apparatus. 2,254,270; Sept. 2.
Colonius, Herbert. (See Lind, O., and Colonius.)
Commercial Solvents Corporation. (See Senkus, Murray, assignor.)
Compagnie Parisienne de Distribution d'Electricite. (See Leger, B., Dussaillant, Bessiere, and Boyer, assignors.)
Conklin, James W., and A. Meneely, Audubon, N. J., assignors to Radio Corporation of America. Resistor. 2,254,838; Sept. 2.
Conrad, Edward C., Philadelphia, Pa., assignor to Radio Corporation of America. Phonographic apparatus. 2,254,839; Sept. 2.
Continental Can Company. (See Kronquest, Alfred L., assignor.)
Continental Can Company. (See Nelson, George E., assignor.)
Continental Can Company. (See Perlman, William, assignor.)
Continental Can Company. (See Punte, William F., assignor.)
Continental Gin Company. (See Morgan, George C., assignor.)
Cook, Willard G., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control system. 2,254,886; Sept. 2.
Cooper, Robert L., Arlington, Tenn., and V. R. Thompson, Olive Branch, Miss. Highway crossing signal. 2,254,774; Sept. 2.
Cornell, Edward S., Jr., Larchmont, N. Y. Flexible coupling. 2,254,566; Sept. 2.
Corning Glass Works. (See Lewis, Evan J., assignor.)
Coty, Inc. (See Lessin, Maurice E., assignor.)
Cousino, Walter F., Toledo, Ohio, assignor of one-half to A. A. Leclerc, Detroit, Mich. Clinch nut production. 2,254,644; Sept. 2.
Cox, John C., Clayton, assignor to Wagner Electric Corporation, St. Louis, Mo. Brake adjusting mechanism. 2,254,887; Sept. 2.
Crane, Carlton L. (See Hiatt, G. D., and Crane.)
Creed, Josephine F. (See Bertolami, Joan C., assignor.)
Cressaty, George M. (See Harris, Lawrence, assignor.)
Cressaty, George M. (See Harris, L., and Bitner, assignors.)
Cretors, Charles J., Chicago, Ill. Corn popping apparatus. 2,254,271; Sept. 2.
Crockford, Joseph R., Chicago, Ill. Tampon. 2,254,272; Sept. 2.
Crowe Name Plate & Manufacturing Co. (See Benton, Harold Z., assignor.)
Crowe Name Plate & Manufacturing Co. (See Benton, H. Z., and Morris, assignors.)
Crucible Steel Company of America. (See Bennewitz, Richard G., assignor.)
Cunnington, George R., Grosse Pointe Park, assignor to National Automotive Fibres, Inc., Detroit, Mich. Floor covering. 2,254,210; Sept. 2.
Currie, William E. (See Jannek, Joseph, assignor.)
Currie, William E. (See Michael, Wilhelm, assignor.)
Currie, William E. (See Michael, W., and Jaeckh, assignor.)
Curtis, Westley F., Beaver Heights, Md. Receiver. 2,254,211; Sept. 2.
Cutler, Jessie M. H. (See Brock, John B., assignor.)
Dahl, Edward T., Abington, assignor to Mason-Neilan Regulator Company, Boston, Mass. Combination control and quench valve. 2,254,472; Sept. 2.
Dally, Roy, assignor to Webster Electric Company, Racine, Wis. Tone arm. 2,254,732; Sept. 2.
Daniels, Lee G., assignor to Automatic Pump & Softener Corporation, Rockford, Ill. Valve control mechanism. 2,254,795; Sept. 2.
Darling, Frank L., Hollywood, Calif., assignor to Wagner Electric Corporation, St. Louis, Mo. Caster wheel control for airplanes. 2,254,935; Sept. 2.
Davey, Edward L. (See Beaver, C. J., and Davey.)
Davidshöfer, Fritz. (See Esselmann, P., and Davidshöfer.)
Davies, John S. H., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Organic compound. 2,254,354; Sept. 2.
Dayton, Edmond O., deceased, Hillsdale, by J. M. Dayton, executrix, Westwood, N. J. Padding for ironing and pressing apparatus. 2,254,567; Sept. 2.
Dayton, Jane M., executrix. (See Dayton, Edmond O.)
Dayton Pump & Mfg. Company, The. (See Eickmeyer, E. E., and Horvath, assignors.)
Dean, Reginald S., Salt Lake City, Utah, assignor to Chicago Development Company, Chicago, Ill. Hot pressed or extruded alloys. 2,254,598; Sept. 2.
Dearborn Chemical Co. (See Starr, James H., assignor.)
De Bell, George W., Berwick, Pa. Airplane vibration dampener. 2,254,473; Sept. 2.
De Hetre, Philip J., Compton, and R. R. Haley, Los Angeles, Calif. Internal combustion engine. 2,254,775; Sept. 2.
Deibel, Cyril P., Lakewood, Ohio. Flashlight and battery unit therefor. 2,254,474; Sept. 2.
De Margitta, Michael J. N., New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Photoflash lamp. 2,254,888; Sept. 2.
Demuth, Galan W., Moorestown, N. J., assignor to Radio Corporation of America. Electric musical instrument. 2,254,840; Sept. 2.
Detroit Harvester Company. (See Floraday, Burton S., assignor.)
Detroit Lubricator Company. (See Dillman, Earnest J., assignor.)
Deutsche Erdöl-Aktiengesellschaft. (See Schick, Friedrich, assignor.)
Deutsche Hollerith Maschinen Gesellschaft m. b. H. (See Maul, Michael, assignor.)
Dick, Burns, Ferguson, assignor to Wagner Electric Corporation, St. Louis, Mo. Fluid container and package. 2,254,936; Sept. 2.
Dick, Burns, Ferguson, assignor to Wagner Electric Corporation, St. Louis, Mo. Master cylinder piston construction. 2,254,937; Sept. 2.
Dick, Burns, Ferguson, and F. H. Stroup, Kirkwood, assignors to Wagner Electric Corporation, St. Louis, Mo. Rotary compressor. 2,254,938; Sept. 2.
Dickieson, Alton C., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Control of two-way telephone systems. 2,254,733; Sept. 2.
Dillman, Earnest J., assignor to Detroit Lubricator Company, Detroit, Mich. Control device. 2,255,021; Sept. 2.
Dilworth, Richard M., La Grange, Ill., assignor to General Motors Corporation, Detroit, Mich. Generating electric traction control system. 2,254,475; Sept. 2.
Dimelow, Jane Van C., New York, N. Y. Garment stretching and drying frame. 2,254,273; Sept. 2.
Dinnick, George M. (See Mouromtseff, I. E., and Dinnick.)
Dinwiddie, Joseph G., Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalyst and producing vinyl acetate and ethylidene diacetate. 2,254,212; Sept. 2.
Disney, Walt, Productions. (See Weiser, Mary L., assignor.)
Ditto, Incorporated. (See Bjorksten, Johan B., assignor.)
Ditto, Incorporated. (See Hess, A. L., and Bjorksten, assignors.)
Ditto, Marvin W., assignor to Emulsions Process Corporation, New York, N. Y. Gas and liquid contact apparatus. 2,254,600; Sept. 2.

Doe, Thomas B., New York, N. Y., assignor to The Waterbury Tool Company, Waterbury, Conn. Metering device. 2,254,274; Sept. 2.
Doebler, Herman U., New York, assignor to Remington Rand Inc., Buffalo, N. Y. Index card and holder. 2,254,889; Sept. 2.
Dole Refrigerating Company. (See Kleist, Herman W., assignor.)
Donner, Lawrence F., Perivale, England. Blind. 2,254,820; Sept. 2.
Donovan, Cornelius A. (See Judge, F., and Donovan.)
Döring, Herbert, Berlin-Friedenau, Germany, assignor to General Electric Company. Electron device using hollow resonator. 2,254,796; Sept. 2.
Dornier, Claude, assignor of one-half to Dornier-Werke G. m. b. H., Friedrichshafen-on-the-Bodensee, Germany. Aquatic aircraft. 2,254,355; Sept. 2.
Dornier, Claude, assignor of one-half to Dornier-Werke G. m. b. H., Friedrichshafen-on-the-Bodensee, Germany. Aircraft brake. 2,254,591; Sept. 2.
Dornier-Werke G. m. b. H. (See Dornier, Claude, assignor.)
Dove, John A., Sutton-in-Ashfield, assignor to Barringer, Wallis & Manners, Limited, Rock Valley, Mansfield, England. Machine or apparatus for shaping metal tubes, containers, and the like. 2,254,275; Sept. 2.
Doverspike, Frank, New York, N. Y. Floating water wheel. 2,254,645; Sept. 2.
Dow Chemical Company, The. (See Swinehart, R. W., and Mansberg, assignors.)
Draper Corporation. (See Brown, Carl D., assignor.)
Dresner, S., & Sons, Inc. (See Plotkin, Joseph H., assignor.)
Drown, Willard J. (See Rupp, Carl F. H., assignor.)
Dubay, Alban A., Lawrence, Mass. Trailer coupling for bicycles. 2,254,797; Sept. 2.
Duisberg, Walther H. (See Esselmann, P., and Davidshöfer, assignors.)
Du Pont, E. I., de Nemours & Company. (See Alles, Francis P., assignor.)
Du Pont, E. I., de Nemours & Company. (See Bender, William, assignor.)
Du Pont, E. I., de Nemours & Company. (See Dinwiddie, Joseph G., assignor.)
Du Pont, E. I., de Nemours & Company. (See Keenen, F. G., and Sachs, assignors.)
Du Pont, E. I., de Nemours & Company. (See Kvalnes, Donovan E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Lubs, H. A., and Johnson, assignors.)
Du Pont, E. I., de Nemours & Company. (See Nash, Roy W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Rossander, S. S., and Woodward, assignors.)
Du Pont, E. I., de Nemours & Company. (See Sullivan, Roy W., assignor.)
Dussaillant, Francois. (See Léger, B., Dussaillant, Bessiere, and Boyer.)
Dwyer, William M., assignor to W. H. Miner, Inc., Chicago, Ill. Hinge means. 2,254,356; Sept. 2.
Dye, Glen M., Minneapolis, Minn. Film holding clip. 2,254,798; Sept. 2.
Eames, William F. (See King, G. E., and Eames.)
Eastman Kodak Company. (See Hiatt, G. D., and Crane, assignors.)
Eaton, Charles F., Methuen, Mass., assignor of one-half to North American Holding Corporation, and one-half to Barshad Holding Corporation, Syracuse, N. Y. Apparatus for mulling leather. 2,254,870; Sept. 2.
Eaton, George R., Denver, Colo. Display rack. 2,254,646; Sept. 2.
Ebert, William H., Kenmore, N. Y. Traffic signal. 2,254,676; Sept. 2.
Edgar, Charles C., Lawrence, Kans. Seal. 2,254,568; Sept. 2.
Ehlers, John F., Baltimore, Md., assignor to The Ohio Carbon Company, Cleveland, Ohio. Electric contact brush. 2,254,277; Sept. 2.
Ehlert, Paul, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Vacuum tube. 2,254,692; Sept. 2.
Ehrhart, Gustav. (See Bockmühl, M., Ehrhart, and Ruschig.)
Eickmeyer, Earl E., and A. G. Horvath, assignors to The Dayton Pump & Mfg. Company, Dayton, Ohio. Valve. 2,254,421; Sept. 2.
Eisinger, Rudolph J., Prospect Park, and R. J. Ridge, Lansdowne, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Refrigerating apparatus. 2,254,593; Sept. 2.
Elasmann, Oswald E., Brook Hill, assignor to J. C. Muller, Inc., Richmond, Va. Apparatus for ripping or tearing raw tobacco leaves into pieces. 2,254,776; Sept. 2.
Eksergian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Brake disk assembly. 2,255,023; Sept. 2.
Eksergian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Brake element. 2,255,024; Sept. 2.
Electric & Musical Industries Limited. (See Blumlein, Alan D., assignor.)
Electric & Musical Industries Limited. (See McGee, James D., assignor.)
Electrical Products Corporation. (See Rice, Leon A., assignor.)
Electrolux Corporation. (See Forsberg, Axel A., assignor.)
Electrolux Corporation. (See Lofgren, Gustaf E., assignor.)
Electrolux Corporation. (See Norrick, G. W., and Peterson, assignors.)
Elias, Thias, New York, N. Y. Collapsible structure. 2,254,939; Sept. 2.
Ellis, Philip B., Ridley Park, Pa. Mothproof wardrobe. 2,254,276; Sept. 2.
Ellis, Robert M. (See Wolters, C. F., and Ellis.)
Elsey, Warren R., Merion, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Power controlling means for locomotives. 2,254,357; Sept. 2.
Emperger, Fritz, Vienna, Germany, assignor of ten per cent to J. O. Ollier, New York, N. Y. Reinforced concrete. 2,255,022; Sept. 2.
Emulsions Process Corporation. (See Ditto, Marvin W., assignor.)
Endres, Günther, Hamburg, Germany. Rust prevention. 2,254,940; Sept. 2.
Engler, Max L. (See Breth, W. J., and Engler.)
Eraser Company, The. (See Roesch, Rudolph G., assignor.)
Erdmann, Konrad, Radenthein, Germany, assignor to American Magnesium Metals Corporation, Pittsburgh, Pa. Removal of carbon monoxide from mixtures thereof with hydrogen. 2,254,799; Sept. 2.
Eshbaugh, Jesse E., and D. W. Randolph, Flint, assignors to General Motors Corporation, Detroit, Mich. Electric clock. 2,254,476; Sept. 2.
Espley, Dennis C. (See Aldous, W. H., and Espley.)
Esselmann, Paul, Wolfen, Kreis Bitterfeld, and F. Davidshöfer, Dessau, Anhalt, Germany, assignors, by mesne assignments, to W. H. Duisberg, New York, N. Y. Producing artificial staple fibers resembling wool. 2,254,777; Sept. 2.
Evans, Sidney O. (See Le Suer, C. C., and Evans.)
Everett, Lynn C., and J. H. Shannon, Upper Montclair, N. J., and J. L. Finch, Patchogue, N. Y., assignors to Radio Corporation of America. High frequency antenna switch. 2,254,693; Sept. 2.
Exhibit Supply Company, The. (See Meyer, John F., assignor.)
Extractol Process, Ltd. (See Bonotto, Michele, assignor.)
Fafnir Bearing Company. (See Searles, Raymond R., assignor.)
Fahrenwald, Arthur W., Moscow, Idaho. Crusher. 2,254,425; Sept. 2.
Faley, George J. V., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Mechanical amplifier. 2,254,278; Sept. 2.
Falloon, Shirley W. H. W., Chelmsford, and G. Millington, London, England, assignors to Radio Corporation of America. Phase changing electrical circuit arrangement. 2,254,734; Sept. 2.
Farr, Howard L., Olean, N. Y. Bearing. 2,254,516; Sept. 2.
Felch, Edwin P., Jr., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic measuring of cross talk. 2,254,601; Sept. 2.
Feldman, Edward D., Glendale, assignor of one-third to A. C. Stoneman, Los Angeles, and one-third to H. W. Greenberg, Glendale, Calif. Air-conditioning apparatus. 2,254,213; Sept. 2.
Fenner, Harry E. (See Boyd, D., and Fenner.)
Ferguson, Tulliver L., Edwardsville, Ill. Device for breaking pavements. 2,254,477; Sept. 2.
Festini, Bortolo, Bergamo, Italy. Rotary brush. 2,254,677; Sept. 2.
Finch, James L. (See Everett, L. C., Shannon, and Finch.)
Finsterwalder, Albert, Cologne-Bruck, assignor to Klöckner-Humboldt-Deutz Aktiengesellschaft, Cologne-Deutz, Germany. Individual axle drive for direct-driven Diesel locomotives. 2,254,426; Sept. 2.
Firestone Tire & Rubber Company, The. (See Brown, Archibald M., assignor.)
Firestone Tire & Rubber Company, The. (See Hoover, Clair G., assignor.)
Firestone Tire & Rubber Company, The. (See Riesing, Ellwood F., assignor.)
Fischer, Charles, Newark, N. J. Paper roll support. 2,254,735; Sept. 2.
Fisher, Gerald M. (See Berger, H. G., Fisher, and Ruff.)
Fisher, Reginald J., assignor to Avery Equipment Limited, London, England. Pipe coupling. 2,254,997; Sept. 2.
Fitzpatrick, Richard T., assignor to W. I. Rudolph, Detroit, Mich. Intercommunicating system. 2,254,736; Sept. 2.
Fleischhauer, Richard, Frankfort-on-the-Main-Fechenheim, P. Zervas, Cologne-Mulheim, and A. Müller, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline & Film Corporation, New York, N. Y. Orthodihydroxy azo dyestuffs. 2,254,602; Sept. 2.
Fleming, William G., Memphis, Tenn. Extractor press. 2,254,517; Sept. 2.

Floraday, Burton S., Toledo, Ohio, assignor to Detroit Harvester Company, Detroit, Mich. Lamp assembly. 2,254,518; Sept. 2.

Fodor, Ferenz H., assignor to Regan-Day, Inc., Los Angeles, Calif. Sound reproduction and apparatus therefor. 2,254,478; Sept. 2.

Follis, Huey C., Houston, Tex. Cushion. 2,254,003; Sept. 2.

Foothorap, Harry A., Harrisburg, Pa., assignor to Underwood Elliott Fisher Company, New York, N. Y. Combined calculating and recording machine. 2,254,694; Sept. 2.

Forsberg, Axel A., Stockholm, Sweden, assignor to Electrolux Corporation New York, N. Y. Suction nozzle. 2,254,363; Sept. 2.

Forsthoefel, Gregg F., Adrian, Mich., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Cabinet construction. 2,254,604; Sept. 2.

Foster, Leslie T., and M. W. Reck, assignors to George Morrell Corporation, Muskegon, Mich. Button processing machine. 2,254,479; Sept. 2.

Foster, Warren D., Washington Township, Bergen County, N. J. Spindle mounting for carriers. 2,254,805; Sept. 2.

Fouch, James R., Inglewood, Calif. Phonograph recording device. 2,254,519; Sept. 2.

Francis, Oliver T., Renville, Minn. Electronic commutator. 2,254,279; Sept. 2.

Fraser, J. B. (See Johnsen, Holger A. E., assignor.)

Freeman, George A. (See Gustin, D. S., and Freeman.)

Friedländer, Erich, Berlin-Siemenstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Relay system. 2,254,941; Sept. 2.

Frisch, Erling, Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Remote control of drum controllers. 2,254,942; Sept. 2.

Frise, Leslie G., assignor to The Bristol Aeroplane Company Limited, Bristol, England. Gun turret for aircraft. 2,254,678; Sept. 2.

Frudden, Conrad E., and W. F. Strehlow, Wauwatosa, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Tractor. 2,254,358; Sept. 2.

Frudden, Conrad E., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Vehicle wheel. 2,254,361; Sept. 2.

Frudden, Conrad E., and W. F. Strehlow, Wauwatosa, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Fuel tank mounting for tractors. 2,254,359; Sept. 2.

Frudden, Conrad E., and W. F. Strehlow, Wauwatosa, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Tractor rear assembly. 2,254,360; Sept. 2.

Fry, Benjamin W., University City, Mo. Vending apparatus. 2,254,737; Sept. 2.

Fuehrer, George H., Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Valve mechanism for rock drills. 2,254,693; Sept. 2.

Fulp, Chester H., Chicago, Ill. Lamp element and making same. 2,254,362; Sept. 2.

Furdas, Joseph D., Youngstown, Ohio. Casting bobber. 2,254,800; Sept. 2.

Gábor, Dennis, Rugby, England. Electron multiplier. 2,254,422; Sept. 2.

Gabrielsen, Christian, Belleville, N. J., assignor to Rowe Manufacturing Co., Inc., New York, N. Y. Vending machine. 2,254,841; Sept. 2.

Gabrielson, Christian. (See Greene, R. Z., and Gabrielson.

Gage, Edward G., Brooklyn, assignor of two-thirds to L. Ottinger, New York, N. Y. Safety circuit for cathode ray tubes. 2,254,214; Sept. 2.

Gagnier, George E. (See Place, Bion C., assignor.)

Gallagher, Thomas C., Tatum, N. Mex. Vehicle window shade. 2,254,647; Sept. 2.

Galle, Jean B. P. H., Sceaux, assignor to Scoiété Anonyme: Jaeger-Aviation, Levallois-Perret, Seine, France. Radio direction finding. 2,254,943; Sept. 2.

Galocsy, Zsigmond. (See Koller, K., and Galocsy.)

Gamache, Homer, assignor to Acme Metal Goods Manufacturing Co., Newark, N. J. Cutting tool. 2,254,738; Sept. 2.

Gardiner, Clarence V., Birmingham, Mich., assignor to Wagner Electric Corporation, St. Louis, Mo. Braking system. 2,254,890; Sept. 2.

Gardner, Howard J., Hermosa Beach, Calif. Solder feeder for soldering irons. 2,254,521; Sept. 2.

Gardner-Richardson Company, The. (See von Sydow, R. W., and Sooy, assignors.)

Garrott, John C., Houston, Tex. Turbine governor. 2,254,520; Sept. 2.

Gaskill, William E., Tampa, Fla. Lighting fixture. 2,254,679; Sept. 2.

Gates, Geoffrey R. G., assignor to Automotive Products Company Limited, London, England. Servo brake mechanism for vehicles. 2,254,998; Sept. 2.

Gates, Geoffrey R. G. (See Brock, D. T., and Gates.)

Gaylor, Peter J., Staten Island, N. Y., assignor to Standard Oil Development Company. Selective extraction of hydrocarbon oils. 2,254,364; Sept. 2.

Gemex Company. (See Prestinari, Eugen, assignor.)

Gemex Company. (See Sand, John, assignor.)

Genda, Chujiro, Beverly Hills, Calif. Vehicle signal means. 2,254,569; Sept. 2.

General Aircraft Limited. (See Harvey, William W., assignor.)

General Aniline & Film Corporation. (See Fleischhauer, R., Zervas, and Müller, assignors.)

General Electric Company. (See Aoki, Sataro, assignor.)

General Electric Company. (See Aschermann, Gunther, assignor.)

General Electric Company. (See Bany, H., and Simpson, assignors.)

General Electric Company. (See Bay, Z., and Szigeti, assignors.)

General Electric Company. (See Beggs, James E., assignor.)

General Electric Company. (See Bryant, F. D., and Young, assignors.)

General Electric Company. (See Butterfield, Trevor L. H., assignor.)

General Electric Company. (See Döring, Herbert, assignor.)

General Electric Company. (See Gilbert, Ralph A., assignor.)

General Electric Company. (See Godet, Sidney, assignor.)

General Electric Company. (See Hansen, Albert J., assignor.)

General Electric Company. (See Knight, Henry de B., assignor.)

General Electric Company. (See Muller, A. G., and Pistey, assignors.)

General Electric Company. (See Nakayama, Kenichi, assignor.)

General Electric Company. (See Pepper, Carl P., assignor.)

General Electric Company. (See Stöhr, Max, assignor.)

General Electric Company. (See White, William C., assignor.)

General Motors Corporation. (See Blomberg, Martin P., assignor.)

Genral Motors Corporation. (See Dilworth, Richard M., assignor.)

General Motors Corporation. (See Eshbaugh, J. E., and Randolph, assignors.)

General Motors Corporation. (See Hutchins, William H., assignor.)

General Motors Corporation. (See Olley, Maurice, assignor.)

General Motors Corporation. (See Rabezzana, Hector, assignor.)

General Motors Corporation. (See Randolph, D. W., and Bigler, assignors.)

General Motors Corporation. (See Seelinger, Horace D., assignor.)

General Motors Corporation. (See Trigg, Chester S., assignor.)

General Research, Inc. (See Kamborian, Jacob S., assignor.)

General Tire & Rubber Company, The. (See Breth, Walter J., assignor.)

General Tire & Rubber Company. (See Breth, W. J., and Engler, assignors.)

George, Edward B., Chicago, assignor, by mesne assignments, to J. H. K. McCollum, Evanston, and H. J. D. McCollum, Chicago, Ill. Heating apparatus. 2,254,801; Sept. 2.

Gereau, Edgar G., Sioux City, Iowa. Shear sharpener. 2,254,999; Sept. 2.

Gerhold, Clarence G., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbons. 2,254,522; Sept. 2.

Germany, James H., Edgewood, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Heat-treating furnace. 2,254,801; Sept. 2.

Gerold, George E. (See Sjogren, O. W., and Gerold.)

Gerry, Lenore, New York, N. Y. Bed cozy. 2,254,423; Sept. 2.

Gerstner, Herbert. (See Kling, W., Goette, Heide, and Gerstner.)

Gibbs, Thomas B., Chicago, Ill. Recording apparatus. 2,254,649; Sept. 2.

Gilbert, Ralph A., Pittsfield, Mass., assignor to General Electric Company. Resistance welding electrode. 2,254,696; Sept. 2.

Gill, Edward R., Los Angeles, Calif. Trophy cup. 2,254,802; Sept. 2.

Gilron Products Co. (See Orozco, Gilbert H., assignor.)

Gilsdorf, Joseph B., Huber, Oreg. Mop. 2,254,648; Sept. 2.

Girdler Corporation, The. (See Pittman, E. E., and Bottoms, assignors.)

Gleichmann, Hans, Falkenhain, Kreis Ost-Havelland, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Steam power plant. 2,254,424; Spt. 2.

Glover, W. T., and Company Limited. (See Beaver, C. J., and Davey, assignors.)

Godet, Sidney, Schenectady, N. Y., assignor to General Electric Company. Antenna system. 2,254,697; Sept. 2.

Goette, Ernst. (See Kling, W., Goette, Heide, and Gerstner.)

Gómez, Leopoldo Da C., New York, N. Y. Spool bobbin. 2,254,606; Sept. 2.

Goodman Manufacturing Company. (See McCullough, William T., assignor.)

Gookin, Sylvester L., Quincy, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Raceway-and-hopper assemblage. 2,254,215; Sept. 2.

Gordon, Robert H., Detroit, Mich. Apparatus for processing steel plates. 2,254,216; Sept. 2.

Gorman, Michael J., Springfield, Mass. Heat treating steel die blocks. 2,254,959; Sept. 2.

Gotthelmer, Herman, assignor to Bulldog Electric Products Company, Detroit, Mich. Electrical distribution system. 2,254,280; Sept. 2.

Graham, Eric B., Friern Park, North Finchley, assignor to Specialloid, Limited, London, England. Piston for internal combustion engines. 2,255,006; Sept. 2.

Grand Rapids Store Equipment Company. (See Welch, Kenneth C., assignor.)

Grange, Edward A. (See Norman, N. William, assignor.)

Graves, Mark S., Los Angeles, Calif. Brake control device. 2,254,523; Sept. 2.

Gray, William A., St. Louis, Mo. Illuminating attachment for the entrances of buildings. 2,254,842; Sept. 2.

Grayson, Harry, assignor, by mesne assignments, to Cinema-Television Limited, London, England. Thermionic valve oscillation generator. 2,254,739; Sept. 2.

Green, Louise A., et al. (See Okle, Howard P., assignor.)

Greenberg, Harry W., et al. (See Feldman, Edward D., assignor.)

Greene, Robert Z., Glen Ridge, and C. Gabrielson, Belleville, N. J., assignors to Rowe Manufacturing Co., Inc., New York, N. Y. Shift container vending mechanism. 2,255,007; Sept. 2.

Grey, Louis L. (See Weiss, Moritz, assignor.)

Grey, Victor, assignor to Teletype Corporation, Chicago, Ill. Tapping fixture. 2,254,281; Sept. 2.

Griffith, Edward E., Worcester, and E. M. Story, West Boylston, Mass. Convertible toothbrush. 2,254,365; Sept. 2.

Griswold, Walter R., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,254,282; Sept. 2.

Grosdoff, Igor E., Upper Darby, Pa., assignor to Radio Corporation of America. Mounting vibratile bodies. 2,254,843; Sept. 2.

Grot, Anton F., Los Angeles, Calif. Stage construction. 2,254,650; Sept. 2.

Grundhalt, Benjamin. Detroit, Mich. Wind motor. 2,254,892; Sept. 2.

Grupe, William F., Lyndhurst, N. J., assignor to Champlain Corporation. Applying patches to foundation material. 2,254,217; Sept. 2.

Guaragna, Joseph J., South Boston, Mass. Adjustable carbon monoxide alarm. 2,254,480; Sept. 2.

Guedon, Emile C., Audubon, N. J., assignor to Radio Corporation of America. Phonograph. 2,254,844; Sept. 2.

Guerrero, Diego, Brooklyn, N. Y. Railroad safety device. 2,254,607; Sept. 2.

Guiberson Corporation, The. (See Temple, Clyde V., assignor.)

Guinan, William F. (See Hansen, A. W., and Guinan.)

Gündel, Wolfgang, Dessau in Anhalt, Germany, assignor, by mesne assignments, to Heberlein Patent Corporation, New York, N. Y. Preparing urethanes. 2,254,283; Sept. 2.

Gunn, Townsend M. (See Tillyer, E. D., Moulton, and Gunn.)

Gustin, Daniel S., Bloomfield, and G. A. Freeman, East Orange, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Mount for quartz lamps. 2,254,845; Sept. 2.

Gustin, Daniel S. (See Hunt, C. W., and Gustin.)

Guyot, Marius. (See Kohl, G. C., and Guyot.)

Haber, Christian, Hechingen, and E. Haumann, Stetten, near Hechingen, Germany. Production of boots and shoes. 2,255,000; Sept. 2.

Haeberlein, Max. (See Watson, R. M., Church, and Haeberlein.)

Hailey, Robert W., Bucyrus, Ohio. Cooking vessel cover assembly. 2,254,570; Sept. 2.

Hailey, Robert W., Bucyrus, Ohio. Utensil handle. 2,254,571; Sept. 2.

Haley, Robert R. (See De Hetre, P. J., and Haley.)

Halstead, William S., Huntington, N. Y., assignor of one-third to J. B. Brady, Washington, D. C. Ultra high frequency receiving system. 2,254,218; Sept. 2.

Hamilton, Francis E. (See Lake, C. D., and Hamilton.)

Hammond Instrument Company. (See Hanert, John M., assignor.)

Hammond, Laurens, Chicago, Ill. Variable impedance. 2,254,366; Sept. 2.

Hampton Company, et al. (See Hansen, A. W., and Guinan, assignors.)

Hampton, George E. (See Potdevin, A., and Hampton.)

Hamren, Eric O., assignor to Pangborn Corporation, Hagerstown, Md. Abrading apparatus. 2,254,219; Sept. 2.

Hanert, John M., Wilmette, assignor to Hammond Instrument Company, Chicago, Ill. Electrical musical instrument. 2,254,284; Sept. 2.

Hansen, Albert, Jr., Nahant, Mass., assignor to General Electric Company. Magnetic system. 2,254,698; Sept. 2.

Hansen, Albert W., Springfield, and W. F. Guinan, Northampton, Mass., assignors to United States Rubber Company, New York, N. Y., and Hampton Company, Easthampton, Mass. Heat resisting yarn and cord. 2,254,740; Sept. 2.

Hansen, Albert W., Springfield, and W. F. Guinan, Northampton, Mass., assignors to United States Rubber Company, New York, N. Y., and Hampton Company, Easthampton, Mass. Making heat resisting yarn and cord, and the cord. 2,254,741; Sept. 2.

Harbor Plywood Corporation. (See Peterson, Andrew B., assignor.)

Hardy, John F., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Shoemaking. 2,254,367; Sept. 2.

Hargreaves, Henry, Providence, R. I., assignor to L. S. Peterson Company, North Attleboro, Mass. Bracelet. 2,255,008; Sept. 2.

Harlow, Frederick J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of carbon black. 2,254,572; Sept. 2.

Harris, Frank C., and C. deV. Miller, Lakewood, assignors to The American Mono Rail Company, Cleveland, Ohio. Automatic control for monorail systems. 2,254,285; Sept. 2.

Harris, John L., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature regulator. 2,254,960; Sept. 2.

Harris, Lawrence, Brooklyn, assignor to George M. Cressaty, Brooklyn, N. Y. Unitary lens system. 2,254,961; Sept. 2.

Harris, Lawrence, and R. E. Bitner, assignors to G. M. Cressaty, New York, N. Y. Unitary lens system. 2,254,962; Sept. 2.

Harris, Romaine R., Portland, Ore. Furnace. 2,254,481; Sept. 2.

Hartford National Bank and Trust Co. as trustee. (See Boldingh, Willem H., assignor.)

Hartman, William W., Los Angeles, Calif. Band blade slicing machine. 2,254,524; Sept. 2.

Harvey, William W., assignor to General Aircraft Limited, Feltham, England. Wind direction indicator. 2,254,680; Sept. 2.

Hastings Manufacturing Company. (See Phillips, Harold P., assignor.)

Hathaway, Hubert B., Windsor, Ontario, Canada, and B. Heilman, assignors to L. A. Young Spring & Wire Corporation, Detroit, Mich. Machine for manufacturing coil springs. 2,254,525; Sept. 2.

Hauel, Anna P., New York, N. Y. Electrode. 2,254,286; Sept. 2.

Haugh, Raymond R., Chicago, Ill. Duplex facsimile. 2,254,803; Sept. 2.

Haumann, Ernst. (See Haber, C., and Haumann.)

Haw, Jakob H., London, England. Airscrew blade construction. 2,254,821; Sept. 2.

Hawkinson, Paul E., assignor to Paul E. Hawkinson Company, Minneapolis, Minn. Tire tread shaping and truing machine. 2,254,526; Sept. 2.

Hawkinson, Paul E., Company. (See Hawkinson, Paul E., assignor.)

Hazeltine Corporation. (See Aldous, W. H., and Espley, assignors.)

Hazeltine Corporation. (See Loughren, Arthur V., assignor.)

Healy, Joseph F., Jr. (See Hubbell, H., and Healy.)

Heberlein Patent Corporation. (See Gündel, Wolfgang, assignor.)

Heftler, Paul, Chicago, Ill. Non-rearing-up automobile spring suspension. 2,254,287; Sept. 2.

Hehemann, Frederick H., assignor to The Lunkenheimer Company, Cincinnati, Ohio. Valve. 2,254,427; Sept. 2.

Heide, Kurt. (See Kling, W., Goette, Heide, and Gerstner.)

Heilman, Bernard. (See Hathaway, H. B., and Heilman.)

Heller, Maximilian, London, England. Elastic artificial skiing track. 2,254,482; Sept. 2.

Hendra, John C. (See Mollart, A. J., and Hendra.)

Hensel, Franz R., and E. I. Larsen, Indianapolis, Ind., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Cylinder head. 2,254,944; Sept. 2.

Hercules Powder Company. (See Stapler, William W., assignor.)

Hermsdorf, Walter H., assignor to Chain Store Products Corporation, Chicago, Ill. Hair curler. 2,254,527; Sept. 2.

Herold, Walter F., assignor to The Bassick Company, Bridgeport, Conn. Caster mounting. 2,254,651; Sept. 2.

Hess, Arthur L., Cincinnati, Ohio, and J. Bjorksten, assignors to Ditto, Incorporated, Chicago, Ill. Duplicating process and preparation of master copies for use therein. 2,254,483; Sept. 2.

Heyer, Benjamin F. W., Tenafly, N. J. Battery testing apparatus. 2,254,846; Sept. 2.

Heyer, William C., Mount Holly, N. J. Cigarette carrier. 2,254,608; Sept. 2.

Hiatt, Gordon D., and C. L. Crane, assignors to Eastman Kodak Company, Rochester, N. Y. Preparing higher fatty acid esters of cellulose. 2,254,652; Sept. 2.

Higby, Ralph H., Ontario, assignor to California Fruit Growers Exchange, Los Angeles, Calif. Treating fruit. 2,255,025; Sept. 2.

Hires, Thomas R., Plainfield, N. J. Album leaf. 2,254,893; Sept. 2.

Hoare, William V., Chicago, Ill. Golf club. 2,254,528; Sept. 2.

Hoch, Walter A., Forest Hills, assignor to New York Pressing Iron Company, Inc., New York, N. Y. Pressing machine clamp. 2,254,653; Sept. 2.

Hofman, Alfred, & Company. (See Anderson, Victor, assignor.)

Holbrook, John K., assignor to Holbrook Microfilms, Inc., New York, N. Y. Microfilm viewer. 2,254,368; Sept. 2.

Holbrook Microfilms, Inc. (See Holbrook, John K., assignor.)

Holland, Walter. (See Toce, C. A., Broussard, and Holland.)

Holleran, Dominic J., Irvington, assignor to The National Lock Washer Company, Newark, N. J. Screw assembly for electrical apparatus. 2,254,288; Sept. 2.

Hollowell, Everett, Kansas City, Kans. Automobile tire pressure relief valve. 2,254,655; Sept. 2.

Holmes, Richard E., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Air conditioning apparatus. 2,254,654; Sept. 2.

Holt, Leo G., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Backboard for supporting articles. 2,254,847; Sept. 2.

Holveck, Joseph E., Crafton, Pa., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Hydraulic system. 2,254,848; Sept. 2.

Holveck, Joseph E. (See Brigham, N. E., and Holveck.)

Honchock, Fred B., Weirton, W. Va. Socket wrench. 2,254,681; Sept. 2.

Hoover, Clair G., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tire construction. 2,254,778; Sept. 2.

Hoover Company, The. (See Kitto, William H., assignor.)

Hoover Company, The. (See Osborn, Ralph C., assignor.)

Hoover Company, The. (See Smellie, Donald G., assignor.)

Horvath, Anthony G. (See Eickmeyer, E. E., and Horvath.)

Hovland, Abraham N., Bestun, near Oslo, Norway. Airplane. 2,254,963; Sept. 2.

Hrach, William. (See Bardwell, J. E., and Hrach.)

Hubbard, Eber J., Berwyn, Ill. Spooling machine. 2,254,220; Sept. 2.

Hubbard, Eber J., Chicago, Ill. Spooling machine. 2,254,221; Sept. 2.

Hubbell, Alfred W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Shaft packing. 2,254,573; Sept. 2.

Hubbell, Harvey, Long Hill, and J. F. Healy, Jr., assignor to Harvey Hubbell, Incorporated, Bridgeport, Conn. Fluorescent lamp socket. 2,254,222; Sept. 2.

Hubbell, Harvey, Incorporated. (See Hubbell, H., and Healy, assignors.)

Hullhorst, William B. (See Barnby, H. A., Hullhorst, and Whittier.)

Humphner, Ferdinand W., Oak Park, assignor to Mid-States Gummed Paper Co., Chicago, Ill. Decalcomania. 2,254,428; Sept. 2.

Humphrey, Elmer T., Big Sandy, Mont. Excavator. 2,254,742; Sept. 2.

Hunt, Charles W., Maplewood, and D. S. Gustin, Bloomfield, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Gas discharge lamp and making. 2,254,945; Sept. 2.

Hussman-Ligonier Company. (See Lotto, Erich E., assignor.)

Hutaff, George H., Jr., Wilmington, N. C. Bottle closure. 2,254,682; Sept. 2.

Hutaff, George H., Jr., Wilmington, N. C. Eraser attachment for typewriters. 2,254,683; Sept. 2.

Hutchins, William H., Rochester, N. Y., assignor to General Motors Corporation, Detroit, Mich. Temperature responsive control. 2,254,484; Sept. 2.

Imperial Chemical Industries, Limited. (See Davies, John S. H., assignor.)

Industrial Rayon Corporation. (See Torrence, G. P., Bergmann, and Knebusch, assignors.)

Informat Company, The. (See Johnson, A. R., and Watson, assignors.)

Ingersoll-Rand Company. (See Fuehrer, George H., assignor.)

Ingraham, E., Company, The. (See Carlson, Elof L., assignor.)

Ingwer, Carl H., Elyria, assignor to The Ridge Tool Company, North Ridgeville, Ohio. Ratchet diestock. 2,255,009; Sept. 2.

International Business Machines Corporation. (See André, Eugène, assignor.)

International Business Machines Corporation. (See Bryce, James W., assignor.)

Inaternational Business Machines Corporation. (See Lake, Clair D., assignor.)

International Business Machines Corporation. (See Lake, C. D., and Hamilton, assignors.)

International Business Machines Corporation. (See Lake, C. D., and Pfaff, assignors.)

International Business Machines Corporation. (See Tholstrup, Henry L., assignor.)

International Industries, Inc. (See Adams, Curtis W., assignor.)

International Projector Corporation. (See Sontagh, John R., assignor.)

International Vehicular Parking, Ltd. (See Toce, C. A., Broussard, and Holland, assignors.)

Ireland, Murray, near Elgin, assignor to McGraw Electric Company, Elgin, Ill. Thermal timer for automatic toasters. 2,254,946; Sept. 2.

Irwin, Herbert E., Barons, Alberta, Canada. Aircraft and its control. 2,254,485; Sept. 2.

Ivey, George F., Hickory, N. C. Stadium chair. 2,254,684; Sept. 2.

Jackson, Corwill, Ludington, Mich. Concrete placement apparatus. 2,254,743; Sept. 2.

Jackson, Corwill, Ludington, Mich. Tamping machine or apparatus. 2,254,744; Sept. 2.

Jackson, Francis M., Russiaville, Ind. Animal restrainer. 2,254,574; Sept. 2.

Jackson, Walter C., Rahway, N. J., assignor to Tingley Reliance Rubber Corporation. Rubber overshoe. 2,254,685; Sept. 2.

Jaeckh, Wolfgang. (See Michael, W., and Jaeckh.)

Jannek, Joseph, Ludwigshafen-on-the-Rhine, Germany, assignor, by mesne assignments, to W. E. Currie, New York, N. Y. Recovery of phenols. 2,254,745; Sept. 2.

Jaseph, Lawrence F., assignor to Rotary Lift Company, Memphis, Tenn. Lift. 2,254,699; Sept. 2.

Jenkins, William H., El Monte, Calif. Monolithic concrete form. 2,254,529; Sept. 2.

Jennings, Bert. (See Coles, W. H., Nelson, and Jennings.)

Jensen, John, assignor to Whitney Metal Tool Company, Rockford, Ill. Sheet metal working machine. 2,254,289; Sept. 2.

Joa, Curt G., assignor to Curt G. Joa, Inc., Sheboygan Falls, Wis. Conveyer mechanism. 2,254,290; Sept 2.

Joa, Curt G., assignor to Curt G. Joa, Inc., Sheboygan Falls, Wis. Stacking mechanism. 2,254,291; Sept. 2.

Joa, Curt G., Inc. (See Joa, Curt G., assignor.)

Johansson, John O. E., Balgviken, near Eskilstuna, assignor to Aktiebolaget C. E. Johansson, Eskilstuna, Sweden. Combination block gauge set. 2,254,894; Sept. 2.

Johnsen, Holger A. E., assignor of one-half to F. B. Fraser, Fort Lauderdale, Fla. Irrigation pump. 2,255,001; Sept. 2.

Johnson, Alfred E., assignor to Morse Bros. Machinery Company, Denver, Colo. Conveyer for classifiers. 2,254,804; Sept. 2.

Johnson, Andrew R., Chicago, and C. E. Watson, La Grange, assignors to The Informat Company, Chicago, Ill. Information device. 2,254,871; Sept. 2.

Johnson, Earl A., Iron River, Mich. Front wheel suspension for motor vehicles. 2,254,822; Sept. 2.

Johnson, Edgar S. (See Olson, E., and Johnson.)

Johnson, Frederick H. (See Michailoff, A., and Johnson.)

Johnson, Matthey & Company. (See Powell, Alan R., assignor.)

Johnson, Oliver H. (See Lubs, H. A., and Johnson.)

Johnston, Andrew L., Jr., Plainfield, N. J. Curling yarn. 2,254,895; Sept. 2.

Johnston, Carey W., Newark, N. J. Tire deflation indicator switch. 2,254,223; Sept. 2.

Jones, Homer W., Westfield, N. J., assignor to The Linde Air Products Company. Heat treating apparatus. 2,254,700; Sept. 2.

Jones, Martin E., Granite Falls, N. C. Scoop attachment for tractors. 2,254,292; Sept. 2.

Jorgensen, Bernhardt, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Machine for shaping uppers over lasts. 2,254,369; Sept. 2.

Judge, Fletcher, and C. A. Donovan, assignors to Auto Venette Company Incorporated, Dallas, Tex. Vehicle sunshade. 2,254,947; Sept. 2.

Junker, Erich, Berlin-Charlottenburg, and W. Leitgebel, Berlin-Wilmersdorf, Germany. Separation of metals. 2,254,805; Sept. 2.

Kaehlert, Arthur, Berlin, Germany. Sawing machine. 2,254,293; Sept. 2.

Kamborian, Jacob S., West Newton, assignor to General Research, Inc., Boston, Mass. Lasting footwear. 2,254,224; Sept. 2.

Kämfer, Adolf H., Berlin, and A. Schattmann, Charlottenburg, Berlin, Germany. Apparatus for producing additive color films. 2,254,686; Sept. 2.

Kaplan, William, Malverne, assignor to Cities Service Oil Company, New York, N. Y. Fractionating tower. 2,254,370; Sept. 2.

Karavia, Sophie S., New York, N. Y. Lock. 2,254,702; Sept. 2.

Katzinger, Edward, Company, The. (See Zimmer, Myron J., assignor.)

Kauffman, Walter L., II, assignor to Lovell Manufacturing Company, Erie, Pa. Universal coupling. 2,254,486; Sept. 2.

Kaukewitsch, Theodor, Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Method and means for adding large loads to idling generators. 2,254,896; Sept. 2.

Keenen, Frank G., Wilmington, Del., and W. H. Sachs, Orlando, Fla., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Fertilizer manufacture. 2,255,026; Sept. 2.

Keenen, Frank G., Swarthmore, Pa., and W. H. Sachs, Orlando, Fla., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Fertilizer manufacture. 2,255,027; Sept. 2.

Kennon, Lorenzo, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Pressure indicator. 2,254,656; Sept. 2.

Kennon, Lorenzo, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Roll welding electrode. 2,254,657; Sept. 2.

Kessick, Edward, New York, N. Y. Fingerprint card or sheet holder. 2,254,530; Sept. 2.

Kettlewell, Harry E., Findlay, Ohio. Insulating means for heated bodies. 2,254,964; Sept. 2.

Kharasch, Morris S., and O. Reinmuth, Chicago, Ill., assignors to Eli Lilly and Company, Indianapolis, Ind. α-ketoacid derivatives of 4,4′-diaminodiphenyl sulphone and making them. 2,254,872; Sept. 2.

Killefer Manufacturing Corporation. (See Sjogren, O. W., and Gerold, assignors.)

Kimmell, Lennie V., Hoisington, Kans. Switch. 2,254,294; Sept. 2.

King, George E., Wilkinsburg, Pa., and W. F. Eames, Westfield, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Motor control system. 2,254,897; Sept. 2.

Kinzer, William W., assignor to Armstrong Cork Company, Lancaster, Pa. Leakage indicator composition. 2,254,609; Sept. 2.

Kirchner, Henry P., R. L. Melton, and R. C. Benner, assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Coating apparatus. 2,254,531; Sept. 2.

Kirschbaum, Harry M. (See Bonner, R. W., and Kirschbaum.)

Kitto, William H., Canton, assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,254,658; Sept. 2.

Klein, Mark, Flushing, assignor to Premier Crystal Laboratories, Inc., New York, N. Y. Piezo-crystal device. 2,254,371; Sept. 2.

Kleist, Herman W., assignor to Dole Refrigerating Company, Chicago, Ill. Refrigerating apparatus. 2,254,225; Sept. 2.

Klemme, Roland M. (See Miller, Fred A., assignor.)

Kling, Walter, E. Goette, K. Heide, and H. Gerstner, Chemnitz, Germany, assignors, by mesne assignments, to "Patcheni" Aktiengesellschaft zur Beteiligung an Patenten und sonstigen Erfindungsrechten auf chemische Verfahren, Zurch, Switzerland. Dyeing of fibrous materials. 2,254,965; Sept. 2.

Klöckner-Humbolt-Deutz Aktiengesellschaft. (See Finsterwalder, Albert, assignor.)

Klöckner-Humboldt-Deutz Aktiengesellschaft. (See Müller, H., and Pischinger, assignors.)

Knebusch, Walter F. (See Torrence, G. P., Bergmann, and Knebusch.)

Knight, Henry de B., Rugby, England, assignor to General Electric Company. Electric valve control circuits. 2,254,703; Sept. 2.

Knox, Garner L., Glendale, assignor to Utility Trailer Manufacturing Company, Los Angeles, Calif. Conversion dolly for semitrailers. 2,254,532; Sept. 2.

Koch, Paul H., Scotch Plains, assignor to The Babcock & Wilcox Company, Newark, N. J. Water tube steam boiler. 2,254,226; Sept. 2.

Kocl, Ludvik J., assignor to Chicago Flexible Shaft Company, Chicago, Ill. Thermostat. 2,254,687; Sept. 2.

Kohl, George C., and M. Guyot, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Mold. 2,254,295; Sept. 2.

Koller, Karl, and Z. Gáloczy, Budapest, Hungary. Treatment of ferriferous ores. 2,254,660; Sept. 2.

Kowalski, Alexander, Chicago, Ill. Work stopping device for blanking dies. 2,254,659; Sept. 2.

Krag, Franz K., Chicago, Ill. Can opener. 2,254,533; Sept. 2.

Kramer, Paul H., assignor to Park Chemical Company, Detroit, Mich. Casehardening salt bath. 2,254,296; Sept. 2.

Kreidler, Raymond Le Roy, Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Photoflash lamp. 2,254,849; Sept. 2.

Kreutzer, Conradin, Nuremberg, Germany. Producing selenium coated electrodes. 2,254,429; Sept. 2.

Krieg, Jack L., South Bend, Ind. Flexible cable container. 2,254,534; Sept. 2.

Kroll, Martin W., Radersburg, assignor of one-half to M. L. Parcells, Columbus, and twenty-five per cent to F. H. Le Sage, Butte, Mont. Electric hammer. 2,254,823; Sept. 2.

Kronquest, Alfred L., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Viscosity control device. 2,254,575; Sept. 2.

Kubalek, John F., Tama, Iowa. Insect killing device. 2,254,948; Sept. 2.

Kuntz, William J., York, Pa. Continuous hydrator. 2,254,688; Sept. 2.

Kunze, Karolus E., Derry, Pa., and T. L. Soo-Hoo, Washington, D. C. Magnetic compass. 2,254,610; Sept. 2.

Kutter, Herman L., assignor to The Black-Clawson Company, Hamilton, Ohio. Papermaking machine. 2,254,297; Sept. 2.

Kvalnes, Donovan E., Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo dye wood stain. 2,254,372; Sept. 2.

La Bounty, Dale J., Peru, Ind. Lamp housing. 2,254,808; Sept. 2.

Lachance, Hector, Topsham, Maine. Filling feeler. 2,254,535; Sept. 2.

Laige, Joseph J. (See Laige, Norman J., assignor.)

Laige, Norman J., assignor of four-fifths to J. J. Laige, Detroit, Mich. Garbage receptacle stand. 2,254,898; Sept. 2.

Lake, Clair D., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Time recorder. 2,255,010; Sept. 2.

Lake, Clair D., Binghamton, and F. E. Hamilton, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Recording machine. 2,255,011; Sept. 2.

Lake, Clair D., Binghamton, and W. Pfaff, Union Center, assignors to International Business Machines Corporation, New York, N. Y. Circuit breaker. 2,255,012; Sept. 2.

Lando, Sabastiano. (See Naples, A. F., and Lando.)

Lang, Johannes A. H., Mattapan, Mass. Combined clothing button and signal device. 2,254,966; Sept. 2.

Langvand, Ivar L., Barberton, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J. Water tube steam boiler. 2,254,373; Sept. 2.

Large, George P., Munising, Mich. Washing machine. 2,254,824; Sept. 2.

Larkins, John S., Jr., Scotia, N. Y. Mechanical toy. 2,254,967; Sept. 2.

Larsen, Earl I. (See Hensel, F. R., and Larsen.)

Latham, Charles W., Maspeth, assignor to Smart Platen Process Co., Inc., Brooklyn, N. Y. Conditioning cylinders and the like. 2,254,298; Sept. 2.

Latimer, Chester W., West Orange, N. J., assignor to Radio Corporation of America. Automatic circuit recloser. 2,254,704; Sept. 2.

Laubenheimer, Wilhelm, Halle-on-the-Saale, and O. Schmutz, Berlin-Haselhorst, Germany, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. System for maintaining constant rotational speed of electric machines. 2,254,899; Sept. 2.

Laukhuff, Alfred, Milwaukee, Wis. Cutting machine. 2,254,374; Sept. 2.

Layden, Arthur L. (See Cleveland, Everett, assignor.)

Lebrenz, Gerhardt O., North Tonawanda, N. Y. Combined display and match package holder. 2,254,968; Sept. 2.

Leclerc, Albert A. (See Cousino, Walter F., assignor.)

Léger, Bernard, F. Dussaillant, F. Bessiere, and F. Boyer, assignors to Compagnie Parisienne de Distribution d'Electricite, Paris, France. Tabulating machine or the like. 2,254,299; Sept. 2.

Leitgebel, Willibald. (See Junker, Erich, and Leitgebel.)

Le Sage, Frank H., et al. (See Kroll, Martin W., assignor.)

Lessin, Maurice E., New York, N. Y., assignor to Coty, Inc., Wilmington, Del. Cosmetic container. 2,254,300; Sept. 2.

Lessmann, Gerhard P., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Door seal for furnaces with protective atmosphere. 2,254,900; Sept. 2.

Le Suer, Clarence C., and S. O. Evans, Hamilton, Mont. Seed cleaning apparatus. 2,254,430; Sept. 2.

Levine, Samuel M., Hollywood, Calif. Medicine cabinet. 2,254,431; Sept. 2.

Lewis, Evan J., assignor to Corning Glass Works, Corning, N. Y. Glass tempering method and apparatus. 2,254,227; Sept. 2.

Lieber, Eugene, Linden, N. J., assignor to Standard Oil Development Company. Lubricating oil. 2,254,433; Sept. 2.

Lieberman, Edgar M., Merriam, Kans. Magnetic pump. 2,254,432; Sept. 2.

Lilly, Eli, and Company. (See Kharasch, M. S., and Reinmuth, assignors.)

Lilly, Eli, and Company. (See Stuart, Elmer H., assignor.)

Lind, Alvin C. (See Ratley, H. M., and Lind.)

Lind, Otto, Dusseldorf, and H. Colonius, Unterbach, near Erkrath, Germany, assignors, by mesne assignments, to The Procter & Gamble Company, Cincinnati, Ohio. Stabilizing agent for oxygen-containing per-compounds. 2,254,434; Sept. 2.

Linde Air Products Company, The. (See Jones, Homer W., assignor.)

Linde Air Products Company, The. (See Williams, Virgil C., assignor.)
Linde Air Products Company, The. (See Young, Lloyd W., assignor.)
Lindsey, Clinton, Salem, N. J. Combined cutter and scraper. 2,254,069; Sept. 2.
Line, John H., Chicago, Ill. Optical article for assisting vision. 2,254,746; Sept. 2.
Linn, Fred S., Chehalis, Wash. Pulley block. 2,254,828; Sept. 2.
Livingston, Harry N., Johnson City, N. Y. Layout table. 2,254,689; Sept. 2.
Lochman, Emil R., Milwaukee, Wis. Electric tracer-control machine for diesinking and the like. 2,254,229; Sept. 2.
Lockheed Aircraft Corporation. (See Kennon, Lorenzo, assignor.)
Lockwood, Edwin H. (See Barnsteiner, A., and Lockwood.)
Loeffler, Fritz, New York, N. Y. Timing device. 2,254,536; Sept. 2.
Lofgren, Gustaf E., Riverside, Conn., assignor to Electrolux Corporation, Dover, Del. Vacuum cleaner. 2,254,611; Sept. 2.
Long, Archie O., Kansas City, Mo. Washing machine. 2,255,028; Sept. 2.
Lotto, Erich E., St. Louis County, assignor to Hussmann-Ligonier Company, St. Louis, Mo. Electric lamp fixture. 2,254,375; Sept. 2.
Loughren, Arthur V., Tuckahoe, N. Y., assignor to Hazeltine Corporation. Television broadcast system. 2,254,435; Sept. 2.
Love, Richard R., Buhl, Idaho. Hydraulic loader. 2,254,690; Sept. 2.
Lovell Manufacturing Company. (See Kauffman, Walter L., II, assignor.)
Lovell, Stanley P., Newton Center, Mass., assignor to Beckwith Manufacturing Company, Dover, N. H. Shoemaking. 2,254,228; Sept. 2.
Lubs, Herbert A., and O. H. Johnson, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Compounds of the anthraquinone series. 2,254,230; Sept. 2.
Lunkenheimer Company, The. (See Hehemann, Frederick H., assignor.)
Lynch Corporation. (See Bridges, Edward G., assignor.)
Lyon, George A., Allenhurst, N. J. Making wheel disks. 2,254,376; Sept. 2.
Maasberg, Albert T. (See Swinehart, R. W., and Maasberg.)
Machinefabriek Reineveld N. V. (See van Riel, Pieter, assignor.)
Mackeown, Samuel S. (See Zaikowsky, Wladimir M., assignor.)
MacLelland, Walter S., Jr., Ellerson, Va. Fabric cleaning machine. 2,254,691; Sept. 2.
MacNeil, Charles I., Glen Ridge, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Engine synchronization. 2,254,970; Sept. 2.
Maggio, John B., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Repeater station. 2,254,377; Sept. 2.
Malat, Frank J. (See Semple, C. E., and Malat.)
Mallett, Edwin A., assignor to Taylor-Winfield Corporation, Warren, Ohio. Secondary circuit connection. 2,254,436; Sept. 2.
Mallina, Rudolph F., Hastings on Hudson, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,254,378; Sept. 2.
Mallory, Marion, Detroit, Mich. Carburetor. 2,254,850; Sept. 2.
Marcus, Samuel, Jersey City, assignor to Margon Corporation, Bayonne, N. J. Manufacture of doll eyes. 2,254,231; Sept. 2.
Marcus, Samuel, Jersey City, assignor to Margon Corporation, Bayonne, N. J. Doll eye and making same. 2,254,232; Sept. 2.
Margon Corporation. (See Marcus, Samuel, assignor.)
Markley, Joseph M., Jr. (See Markley, Myron D. and J. M.)
Markley, Myron D. and J. M., Jr., Canton, Ohio. Recording machine. 2,254,661; Sept. 2.
Marney, Arthur, Los Angeles, Calif. Built-in folding trailer. 2,254,437; Sept. 2.
Martin, Richard H., assignor to Norton Company, Worcester, Mass. Rubber bonded abrasive article and mix. 2,254,612; Sept. 2.
Maryland Glass Corporation. (See Weiss, August J., assignor.)
Mason-Neilan Regulator Company. (See Dahl, Edward T., assignor.)
Matthysse, Irving F., New York, N. Y. Hydraulic press. 2,254,613; Sept. 2.
Mattke, Charles F., Jackson Heights, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electro-optical scanning system. 2,254,614; Sept. 2.
Mattox, William J., assignor to Universal Oil Products Company, Chicago, Ill. Fluid pump. 2,254,539; Sept. 2.
Maul, Michael, Berlin-Johannisthal, assignor to the firm Deutsche Hollerith Maschinen Gesellschaft, m. b. H., Berlin-Lichterfelde, Germany. Sorting machine. 2,254,901; Sept. 2.
Maves, Theodore W. (See Plotz, G. T., and Maves.)
Maves, Winifred E., executrix. (See Plotz, G. T., and Maves.)
Maynes, Emma C. (See Maynes, Hyla F., assignor.)
Maynes, Hyla F., assignor of one-half to E. C. Maynes, North Tonawanda, N. Y. Amusement apparatus. 2,255,013; Sept. 2.
McAllister, Sumner H., Lafayette, and W. A. Bailey, Jr., Berkeley, assignors to Shell Development Company, San Francisco, Calif. Production of saturated carbonylic compounds. 2,254,615; Sept. 2.
McCann, Franklin A., Pasadena, assignor to The Pacific Clay Products Company, Los Angeles, Calif. Composition of matter. 2,254,301; Sept. 2.
McCarthy, John J., Malden, Mass. Internal combustion engine. 2,254,438; Sept. 2.
McCarthy, John J., assignor to M. E. McCarthy, Malden, Mass. Internal combustion engine. 2,254,439; Sept. 2.
McCarthy, Mary E. (See McCarthy, John J., assignor.)
McCollum, Henry J. D., et al. (See George, Edward B., assignor.)
McCollum, James H. K., et al. (See George, Edward B., assignor.)
McCullough, William T., assignor to Goodman Manufacturing Company, Chicago, Ill. Cutter chain. 2,254,747; Sept. 2.
McCune, Robert C., Tacoma, Wash. (Floor waxing apparatus. 2,254,487; Sept. 2.
McGee, James D., Ealing, London, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Manufacture of grids for use in electron discharge devices. 2,254,616; Sept. 2.
McGee, James D., Ealing, London, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Electron discharge device. 2,254,617; Sept. 2.
McGraw Electric Company. (See Ireland, Murray, assignor.)
McKay Machine Company. (See Todd, Russell T., assignor.)
McMillan, Frank M., and G. S. Parsons, Berkeley, assignor to Shell Development Company, San Francisco, Calif. Treatment of spent catalysts. 2,254,618; Sept. 2.
Meals, John A., Medford, Ore. Oscillating chaff raiser. 2,254,576; Sept. 2.
Medart, Fred, Manufacturing Company. (See Albach, F., and Chervenka, assignors.)
Melton, Romie L. (See Kirchner, H. P., Melton, and Benner.)
Meneely, Alfred. (See Conklin, J. W., and Meneely.)
Messacar, Howard E., Toronto, Ontario, Canada. Artificial fishing bait. 2,254,949; Sept. 2.
Metzger, William J., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Coupler shank and yoke connection. 2,254,302; Sept. 2.
Meyer, Arnold, Harburg-Wilhelmsburg, Germany. Apparatus for forming vulcanized articles. 2,254,233; Sept. 2.
Meyer, John F., assignor to The Exhibit Supply Company, Chicago, Ill. Simulated amusement thermometer. 2,254,619; Sept. 2.
Michael, Wilhelm, Ludwigshafen-on-the-Rhine, and W. Jaeckh, Heidelberg, Germany, assignors, by mesne assignments, to W. E. Currie, New York, N. Y. Production of hydrocarbons from carbon monoxide and hydrogen. 2,254,748; Sept. 2.
Michael, Wilhelm, Ludwigshafen-on-the-Rhine, Germany, assignor, by mesne assignments, to W. E. Currie, New York, N. Y. Producing hydrocarbons from carbon monoxide and hydrogen. 2,254,806; Sept. 2.
Michailoff, Alexander, Grosse Pointe Farms, and F. H. Johnson, Ferndale, assignors to Chrysler Corporation, Highland Park, Mich. Apparatus for fluid coupling welding. 2,254,303; Sept. 2.
Michigan Tool Company. (See Overstedt, Ernest A., assignor.)
Mid-States Gummed Paper Co. (See Humphner, Ferdinand W., assignor.)
Middleton, George C., Deming, N. Mex. Trap setting tool. 2,254,825; Sept. 2.
Mildner, Fred, and J. Slovak, Tarentum, Pa. Cap remover. 2,254,826; Sept. 2.
Millar, Rutherford Y., Oakland, Calif., assignor to National Automotive Fibres, Inc., Detroit, Mich. Spring construction. 2,254,379; Sept. 2.
Miller, Carrol deV. (See Harris, F. C., and Miller.)
Miller, Fred A., St. Johns, assignor to R. M. Kiemme, St. Louis, Mo. Steam-discharging pressing iron. 2,254,851; Sept. 2.
Miller, George I., Brooklyn, N. Y. Clip. 2,254,620; Sept. 2.
Miller, Milo F., Kansas City, Mo. Sound producing apparatus. 2,254,488; Sept. 2.
Miller, Ralph L., Verona, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Oscillation generator. 2,254,852; Sept. 2.
Miller, William H., Lansdowne, Pa., assignor to Zap Development Corporation, Baltimore, Md. Aileron and flap. 2,254,304; Sept. 2.
Millington, George. (See Falloon, S. W. H. W., and Millington.)
Milster, Arthur N., Ferguson, assignor to Wagner Electric Corporation, St. Louis, Mo. Braking system controlled by steering mechanism. 2,254,902; Sept. 2.
Miner, James H., Meridian, Miss. Ice tray. 2,254,827; Sept. 2.

Miner, W. H., Inc. (See Dwyer, William M., assignor.)
Miner, W. H., Inc. (See Olander, Roland J., assignor.)
Minich, Verne E., Scarsdale, N. Y., assignor to The American Foundry Equipment Company, Mishawaka, Ind. Abrasive equipment. 2,254,234; Sept. 2.
Minneapolis-Honeywell Regulator Company. (See Harris, John L., assignor.)
Mirow, Lothar, Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Motor control system. 2,254,903; Sept. 2.
Mitchell, Orville, Dallas, Tex. Variable-pitch pulley. 2,254,380; Sept. 2.
Modine Manufacturing Company. (See Perkins, Charles T., assignor.)
Molins, Desmond W., and F. Parry, assignors to Molins Machine Company Limited, Deptford, London, England. Packing machine. 2,254,971; Sept. 2.
Molins Machine Company Limited. (See Molins, D. W., and Parry, assignors.)
Mollart, Arthur J., and J. C. Hendra, Surbiton, England. Universal joint. 2,254,972; Sept. 2.
Monsanto Chemical Company. (See Carswell, Thomas S., assignor.)
Mooney, John A., Regina, Saskatchewan, Canada. Corncob holder. 2,254,305; Sept. 2.
Moore, Coleman B., Carroll Park, assignor to The Brown Instrument Company, Philadelphia, Pa. Pneumatic control device. 2,254,621; Sept. 2.
Moore, Lewis F., assignor to Walker Machine & Foundry Corporation, Roanoke, Va. Brake shoe. 2,254,950; Sept. 2.
Morgan, George C., Birmingham, Ala., assignor to Continental Gin Company. Lint condenser. 2,254,951; Sept. 2.
Morrell, George, Corporation. (See Foster, L. T., and Reck, assignors.)
Morris, Lloyd P. (See Benton, H. Z., and Morris.)
Morrison, Harry. (See Saunders, S. G., and Morrison.)
Morse Bros. Machinery Company. (See Johnson, Alfred E., assignor.)
Morse, Clarence W., Los Angeles, Calif. Venetian blind. 2,254,705; Sept. 2.
Morton, Alton W., Salt Lake City, Utah. Camera attachment. 2,254,489; Sept. 2.
Moss, William H., London, England, assignor to Celanese Corporation of America. Cellulose derivatives, polyvinyl compounds, or polymerized acrylic esters. 2,254,904; Sept. 2.
Motok, George T. (See Smith, E. C., and Motok.)
Mott, Chester, Evanston, and M. L. Whaley, assignors to National Cylinder Gas Company, Chicago, Ill. Apparatus for flame hardening. 2,254,306; Sept. 2.
Mott, Chester, Evanston, and M. L. Whaley, assignors to National Cylinder Gas Company, Chicago, Ill. Flame hardening. 2,254,307; Sept. 2.
Moulton, Harold R., assignor to American Optical Company, Southbridge, Mass. Multifocal lens and making same. 2,254,440; Sept. 2.
Moulton, Harold R. (See Tillyer, E. D., Moulton, and Gunn.)
Mouromtseff, Ilia E., Montclair, and G. M. Dinnick, Bloomfield, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Glass-to-copper seal. 2,254,853; Sept. 2.
Mueller, Adolf G., and J. M. Pistey, Fairfield, Conn., assignors to General Electric Company. Fluorescent lamp holder. 2,254,706; Sept. 2.
Mueller, Fred R., assignor, by mesne assignments, to J. C. Stunkel, Chicago, Ill. Reinforced box. 2,254,381; Sept. 2.
Mullan, Daniel, Kearny, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Exhaust machine and protecting exhaust systems. 2,254,905; Sept. 2.
Müller, Adolf. (See Fleischhauer, R., Zervas, and Müller.)
Müller, Helmut, Cologne-Bayenthal, and A. Pischinger, assignors to Klöckner-Humboldt-Deutz, Aktiengesellschaft, Cologne-Deutz, Germany. Pump. 2,254,441; Sept. 2.
Muller, J. C., Inc. (See Eissmann, Oswald, E., assignor.)
Musselman, John M., South Euclid, assignor to The Standard Oil Company, Cleveland, Ohio. Lubricant. 2,254,490; Sept. 2.
Mutch, George A., White Plains, assignor to Parfumerie de Raymond, New York, N. Y. Brush. 2,254,235; Sept. 2.
Myer, Henry C. (See Myer, Moses L. and H. C.)
Myer, Moses L., University City, Mo., and H. C. Myer, Denver, Colo. Tie plate and rail anchor. 2,254,540; Sept. 2.
Myers, Thomas B., Racine, Wis., assignor to Scovill Manufacturing Company, Waterbury, Conn. Drink mixer. 2,254,236; Sept. 2.
Myers, Walter, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Pull-feed mechanism for sewing machines. 2,254,779; Sept. 2.
Nagy, Rudolph. (See Rentschler, H. C., and Nagy.)
Nakayama, Kenichi, Yokohama, Japan, assignor to General Electric Company. Control of electric switches. 2,254,707; Sept. 2.
Nalle, Charles R., Philadelphia, Pa. Adjustable caster construction. 2,254,973; Sept. 2.
Naples, Angelo F., and Sabastiano Lando, Chicago, Ill. Oil gauge rod. 2,254,662; Sept. 2.
Nash, Roy W., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Process. 2,254,237; Sept. 2.
National Automotive Fibres, Inc. (See Cunnington, George R., assignor.)
National Automotive Fibres, Inc. (See Millar, Rutherford, Y., assignor.)
National Automotive Fibres, Inc. (See Ratley, H. M., and Lind, assignors.)
National Cylinder Gas Company. (See Mott, C., and Whaley, assignors.)
National Frosted Foods, Inc. (See Zarotschenzeff, Wladimir M., assignor.)
National Lock Washer Company, The. (See Holleran, Dominic J., assignor.)
National Machinery Co., The. (See Rider, Blake D., assignor.)
National Malleable and Steel Castings Company. (See Metzger, William G., assignor.)
National Oil Products Company. (See Segessemann, Ernest, assignor.)
National Pressure Cooker Company. (See Wittenberg, Edward H., assignor.)
National Telephone Supply Company, The. (See Burns, Leroy H., assignor.)
Neher, Harry T., Bristol, assignor to Röhm & Haas Company, Philadelphia, Pa. Polymerizable mono-esters of maleic acid and polymers derived therefrom. 2,254,382; Sept. 2.
Nelson, Bert J. (See Coles, W. H., Nelson, and Jennings.)
Nelson, Carl S., Bellingham, Wash. Illuminated house number. 2,254,829; Sept. 2.
Nelson, George E., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Can closure applying tool. 2,254,577; Sept. 2.
Nelson, Henry A., De Kalb, Ill. Producing reverse twist barbwire. 2,254,238; Sept. 2.
Nelson, Herman, Corporation, The. (See Nelson, Richard H., assignor.)
Nelson, Richard H., assignor to The Herman Nelson Corporation, Moline, Ill. Heat exchanger. 2,254,383; Sept. 2.
Neocell Products Corporation. (See Bratring, Kurt, assignor.)
Nerney, George E., assignor to Bay State Optical Company, Attleboro, Mass. Eyeglass construction. 2,254,749; Sept. 2.
Nerney, George E., Attleboro, Mass. Handlebar construction. 2,254,750; Sept. 2.
Nerwin, Hubert, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Photographic objective. 2,254,537; Sept. 2.
New York Pressing Iron Company. (See Hoch, Walter A., assignor.)
Newman, Alexander I., assignor to Precision Scientific Company, Chicago, Ill. Still. 2,254,538; Sept. 2.
Nicholas, Andrew J., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Water valve. 2,254,308; Sept. 2.
Nordgren, Elmer E., Hastings, Minn. Sheet glass trimming device. 2,254,541; Sept. 2.
Norman, N. William, River Forest, assignor of one-half to E. A. Grange, Chicago, Ill. Hair curler. 2,254,239; Sept. 2.
Norrick, George W., New Canaan, and G. A. Peterson, Stamford, Conn., assignors to Electrolux Corporation, Dover, Del. Suction nozzle. 2,254,442; Sept. 2.
North American Holding Corporation, et al. (See Eaton, Charles F., assignor.)
Norton Company. (See Martin, Richard H., assignor.)
Norton Company. (See Silven, Herbert A., assignor.)
Norway, Harold L. (See Buttner, W. C., and Norway.)
Nowak, Leon J., Jr., Chicago, Ill. Apparatus for feeding and opening bags and containers. 2,254,384; Sept. 2.
Nye, Hugh C., and H. L. Wise, assignors to Vickers Incorporated, Detroit, Mich. Power transmission. 2,254,708; Sept. 2.
O'Brien, Frank J., Pelham, N. Y. Duffel bag. 2,254,578; Sept. 2.
O'Brien, John E., Chicago, Ill. Apparatus for supporting and elevating vehicles in freight cars. 2,254,542; Sept. 2.
O'Connell, Harold V., New York, N. Y. Anesthetic administering device. 2,254,854; Sept. 2.
Ohio Carbon Company, The. (See Ehlers, John F., assignor.)
Oil Devices. (See Breese, James L., assignor.)
Oil Equipment Engineering Corporation. (See Scaramucci, Domer, assignor.)
Okie, Howard P., assignor of one-fourth to B. S. Bell, and one-fourth to L. A. Green, Washington, D. C. Clip to keep in engagement the ends of shoestrings or other fasteners. 2,254,579; Sept. 2.
Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Quick take-up mechanism. 2,254,385; Sept. 2.
Olcott, Charles A., West Milford, N. J. Treating sugar bearing materials. 2,254,386; Sept. 2.
Olcott, Charles A., West Milford, N. J. Conditioning sugar bearing materials. 2,254,387; Sept. 2.

Olcott, Charles A., West Milford, N. J. Cover for centrifugal machines employed in the extraction of sugar from sugar bearing materials. 2,254,388; Sept. 2.
Olcott, Charles A., West Milford, N. J. Preventing the dilution of sugar bearing materials. 2,254,389; Sept. 2.
Olcott, Charles A., West Milford, N. J. Temperature conditioning of sugar bearing material. 2,254,390; Sept. 2.
Olds, Howard A. (See Wells, I. M., and Olds.)
Oliey, Maurice, Pleasant Ridge, assignor to General Motors Corporation, Detroit, Mich. Motor vehicle. 2,254,491; Sept. 2.
Oiler, Joseph O. (See Emperger, Fritz, assignor.)
Olson, Eugene, and E. S. Johnson, assignors to Triangle Tire & Battery Service, Chicago, Ill. Tire regrooving tool. 2,254,974; Sept. 2.
Orozco, Gilbert H., East Cleveland, assignor to Gilron Products Co., Cleveland, Ohio. Removing foreign matter from metal articles. 2,254,492; Sept. 2.
Osborn, Ralph C., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,254,663; Sept. 2.
Ostrom, Gustaf E., Whittier, assignor to M. E. Richart, Fullerton, and J. C. Renfro, Orange County, Calif. Treating wells. 2,254,443; Sept. 2.
Ottinger, Leon. (See Gage, Edward G., assignor.)
Overman, Max C., New York, N. Y. Forming tires with ribs of different compositions. 2,254,622; Sept. 2.
Overstedt, Ernest A., assignor, by mesne assignments, to Michigan Tool Company, Detroit, Mich. Machine for finishing gears. 2,254,240; Sept. 2.
Owens-Illinois Glass Company. (See Barnby, H. A., Hullhorst, and Whittier, assignors.)
Pacific Clay Products Company, The. (See McCann, Franklin A., assignor.)
Packard Motor Car Company. (See Best, Frank C., assignor.)
Packard Motor Car Company. (See Christman, John M., assignor.)
Packard Motor Car Company. (See Griswold, Walter R., assignor.)
Packard Motor Car Company. (See Tibbetts, Milton, assignor.)
Packard Motor Car Company. (See Vincent, Jesse G., assignor.)
Pangborn Corporation. (See Hamren, Eric O., assignor.)
Paradise, Raymond P., Indianapolis, Ind. Head for fire hoses and the like. 2,254,751; Sept. 2.
Parcells, M. Lloyd, et al. (See Kroll, Martin W., assignor.)
Parfumerie de Raymond. (See Mutch, George A., assignor.)
Park Chemical Company. (See Kramer, Paul H., assignor.)
Park Chemical Company. (See Steigerwald, Francis J., assignor.)
Parker Pen Company, The. (See Pickus, Milton R., assignor.)
Parry, Frank. (See Molins, D. W., and Parry.)
Parshad Holding Corporation, et al. (See Eaton, Charles F., assignor.)
Parsons, George S. (See McMillan, F. M., and Parsons.)
"Patchen" Aktiengesellschaft zur Beteiligung an Patenten und sonstigen Erfindungsrechten auf chemische Verfahren. See Kling, W., Goette, Heide, and Gerstner, assignors.)
Patent Button Company, The. (See Carley, Leonard R., assignor.)
Patent Button Company, The. (See Purinton, Forrest G., assignor.)
Patentverwertungs-Gesellschaft mit beschränkter Haftung "Hermes". (See Wirth, Wilhelm, assignor.)
Pearson, Erick, Chicago, Ill. Synchronizing apparatus and system. 2,254,493; Sept. 2.
Penick, Arthur J. and K. T., Houston, Tex. Well head assembly. 2,254,752; Sept. 2.
Penick, Kirby T. (See Penick, Arthur J. and K. T.)
Pennsylvania Railroad Company. (See Elsey, Warren R., assignor.)
Pepper, Carl P., Fort Wayne, Ind., assignor to General Electric Company. Control device. 2,254,709; Sept. 2.
Perfex Corporation. (See Tate, Virgil R., assignor.)
Perkins, Charles T., assignor to Modine Manufacturing Company, Racine, Wis. Heat exchange device and deflector therefor. 2,254,258; Sept. 2.
Perlman, William, Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Packaging fruit in hermetically sealed containers. 2,254,580; Sept. 2.
Perry, Marian O., Stockton, Calif. Welding transformer. 2,254,309; Sept. 2.
Peterson, Andrew B., assignor to Harbor Plywood Corporation, Hoquiam, Wash. Coating apparatus. 2,254,391; Sept. 2.
Peterson, Gustav A. (See Norrick, G. W., and Peterson.)
Peterson, L. S., Company. (See Hargreaves, Henry, assignor.)
Petrie, John L., assignor to Wheel Trueing Tool Company of Delaware, Detroit, Mich. Diamond dressing tool and dressing grinding wheels. 2,254,392; Sept. 2.
Petrie, John L., assignor to Wheel Trueing Tool Company of Delaware, Detroit, Mich. Hood for attachment to diamond tools. 2,254,393; Sept. 2.
Petroleum Increase Corporation. (See Ricou, Clarence A., assignor.)
Petrulis, Bruno S., Lockport, Ill. Candle perfumer. 2,254,906; Sept. 2.
Pfaff, Wesley. (See Lake, C. D., and Pfaff.)
Phillips, Harold P., Hastings, Mich., assignor to Hastings Manufacturing Company. Piston ring. 2,254,753; Sept. 2.
Phillips Petroleum Company. (See Brinneman, Russell, assignor.)
Phillips Petroleum Company. (See Harlow, Frederick J., assignor.)
Phillips Petroleum Company. (See Hubbell, Alfred W., assignor.)
Pickus, Milton R., assignor to The Parker Pen Company, Janesville, Wis. Material for pen tips. 2,254,975; Sept. 2.
Pieler, John P., Eureka, Nev. Mowing apparatus. 2,254,444; Sept. 2.
Pischinger, Anton. (See Müller, H., and Pischinger.)
Pistey, John M. (See Mueller, A. G., and Pistey.)
Pittman, Ernest E., and R. R. Bottoms, assignors to The Girdler Corporation, Louisville, Ky. Treatment of milk waste. 2,254,241; Sept. 2.
Place, Bion C., assignor of one-half to G. E. Gagnier, Detroit, Mich. Securing moldings. 2,254,310; Sept. 2.
Place, Bion C., assignor of one-half to G. E. Gagnier, Detroit, Mich. Securing moldings. 2,254,311; Sept. 2.
Plotkin, Joseph H., assignor to S. Dresner & Son, Inc., Chicago, Ill. Wardrobe tray. 2,254,543; Sept. 2.
Plotz, Alma, administratrix. (See Plotz, G. T., and Maves.)
Plotz, George T., Cleveland, and T. W. Maves, Cleveland Heights; W. E. Maves, executrix of said T. W. Maves, deceased, assignor of the right of said Maves to said Plotz; A. Plotz, administratrix of said G. T. Plotz, deceased, assignor of one-half to O. A. Plotz, Lakewood, Ohio. Machine for making cranial roentgenographs. 2,254,544; Sept. 2.
Plotz, Oscar A. (See Plotz, G. T., and Maves.)
Poch, Waldemar J., Collingswood, N. J., assignor to Radio Corporation of America. High frequency amplifier. 2,254,855; Sept. 2.
Poock, Louis F., and W. F. Aller, Dayton, Ohio, assignors, by mesne assignments, to The Sheffield Corporation. Machine tool. 2,254,312; Sept. 2.
Poock, Louis F., and W. F. Aller, Dayton, Ohio, assignors to The Sheffield Corporation. Gauging apparatus. 2,254,313; Sept. 2.
Porcelain Products, Inc. (See Price, George C., assignor.)
Potdevin, Adolph, Garden City, and G. E. Hampton, New York, assignors to Potdevin Machine Company, Brooklyn, N. Y. Apparatus for making bags and the like. 2,254,907; Sept. 2.
Potdevin Machine Company. (See Potdevin, A., and Hampton, assignors.)
Porter, Clarence M. (See Porter, William H. and C. M.)
Porter, William H., Northport, N. Y., and C. M. Porter, Lakeside, Pt. Clair, Quebec, Canada. Rug corner holder. 2,254,623; Sept. 2.
Powell, Alan R., London, assignor to Johnson, Matthey & Company, Limited, London County, England. Manufacture and production of fine metal and alloy powders. 2,254,976; Sept. 2.
Powers, Frank T., Glen Cove, N. Y. Cooler. 2,254,807; Sept. 2.
Prang, Rudolph, Hurdsfield, N. Dak. Wire reel. 2,254,977; Sept. 2.
Precision Scientific Company. (See Newman, Alexander I., assignor.)
Premier Crystal Laboratories, Inc. (See Klein, Mark, assignor.)
Pressed Steel Company. (See Swallow, William, assignor.)
Pressed Steel Company Limited. (See Swallow, William, assignor.)
Prestinari, Eugen, Summit, assignor to Gemex Company, Newark, N. J. Fastening device. 2,254,873; Sept. 2.
Price, George C., Parkersburg, W. Va., assignor to Porcelain Products, Inc., Findley, Ohio. Service insulator. 2,254,978; Sept. 2.
Procter & Gamble Company, The. (See Lind, O., and Colonius, assignors.)
Punte, William F., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Container for spices and the like. 2,254,581; Sept. 2.
Pure Oil Company, The. (See Whittier, William A., assignor.)
Purinton, Forrest G., assignor to The Patent Button Company, Waterbury, Conn. Reinforced plastic button. 2,254,445; Sept. 2.
Purinton, Forrest G., assignor to The Patent Button Company, Waterbury, Conn. Reinforced plastic staple button. 2,254,446; Sept. 2.
Purinton, Forrest G., assignor to The Patent Button Company, Waterbury, Conn. Reinforced plastic button. 2,254,447; Sept. 2.
Pursel, Harold R., assignor to The Allen-Sherman-Hoff Company, Philadelphia, Pa. Hopper vibrator. 2,254,448; Sept. 2.

Quimper, Anthony A., Westfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Refrigeration apparatus. 2,254,780; Sept. 2.
Quinlan, Michael A., Chehalis, Wash. Sanctuary lamp. 2,254,664; Sept. 2.
Quixet, Inc. (See Scharf, John H., assignor.)
Raber, Samuel G., Youngstown, Ohio, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Railway signaling system. 2,254,908; Sept. 2.
Rabbitt, Thomas G., assignor to Sun Oil Company, Philadelphia, Pa. Shock absorber. 2,254,781; Sept. 2.
Rabezzana, Hector, Flint, assignor to General Motors Corporation, Detroit, Mich. Spark plug. 2,254,494; Sept. 2.
Radio Corporation of America. (See Baldwin, C. F., and Bokovoy, assignors.)
Radio Corporation of America. (See Braaten, Arthur M., assignor.)
Radio Corporation of America. (See Conklin, J. W., and Meneely, assignors.)
Radio Corporation of America. (See Conrad, Edward C., assignor.)
Radio Corporation of America. (See Demuth, Galan W., assignor.)
Radio Corporation of America. (See Everett, L. C., Shannon, and Finch, assignors.)
Radio Corporation of America. (See Falloon, S. W. H. W., and Millington, assignors.)
Radio Corporation of America. (See Grosdoff, Igor E., assignor.)
Radio Corporation of America. (See Guedon, Emile C., assignor.)
Radio Corporation of America. (See Latimer, Chester W., assignor.)
Radio Corporation of America. (See Poch, Waldemar J., assignor.)
Radio Corporation of America. (See Rinia, Herre, assignor.)
Radio Corporation of America. (See Schade, Otto H., assignor.)
Ralston, Anderson W., and J. P. Barrett, assignors to Armour and Company, Chicago, Ill. Insect repellent containing aliphatic alcohols. 2,254,665; Sept. 2.
Randall, Meredith S., assignor to Woodall Industries Incorporated, Detroit, Mich. Laminated insulation material. 2,254,856; Sept. 2.
Randolph, Donald W., and R. H. Bigler, Flint, assignors to General Motors Corporation, Detroit, Mich. Pump. 2,254,495; Sept. 2.
Randolph, Donald W. (See Eshbaugh, J. E., and Randolph.)
Rapid Gas Corporation. (See Tucker, Irvin L., assignor.)
Rasmussen, Richard E., Grosse Pointe Park, Mich. Injection syringe and protective sheath. 2,254,449; Sept. 2.
Ratley, Harold M., Highland Park, and A. C. Lind, assignors to National Automotive Fibres, Inc., Detroit, Mich. Cutoff applying means. 2,254,394; Sept. 2.
Reck, Max W. (See Foster, L. T., and Reck.)
Reconstruction Finance Corporation. (See Visser, John, assignor.)
Reece, Harvey M., Los Angeles, Calif. Contact plug for electric cords. 2,254,754; Sept. 2.
Reed, Eo, Zanesville, assignor to The American Rolling Mill Company, Middletown, Ohio. Apparatus for welding thin silicon steel and the like. 2,254,314; Sept. 2.
Reed, Jesse O. (See Smith, W. C., Reed, Veitch, and Shingler.)
Refining, Inc. (See Clayton, Benjamin, assignor.)
Regan-Day, Inc. (See Fodor, Ferenz H., assignor.)
Reid, John A., Oak Park, Ill. Liquid flow time delay switch. 2,254,710; Sept. 2.
Reinmuth, Otto. (See Kharasch, M. S., and Reinmuth.)
Remington Rand Inc. (See Doebler, Herman U., assignor.)
Remington Rand Inc. (See Thompson, Russell G., assignor.)
Remington Rand Inc. (See Wolters, C. F., and Ellis, assignors.)
Renfro, Jack C., et al. (See Ostrom, Gustaf E., assignor.)
Rentschler, Harvey C., East Orange, and R. Nagy, Bloomfield, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Ultraviolet discharge lamp. 2,254,909; Sept. 2.
Republic Steel Corporation. (See Smith, E. C., and Motok, assignors.)
Reuter, Edmund A., East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrode support. 2,254,857; Sept. 2.
Rentter, Jean L., Paris, assignor to Societe Anonyme: Etablissements Ed. Jaeger, Levallois-Perret, Seine, France. Clockwork apparatus and new portable gas or vapor watch. 2,254,858; Sept. 2.
Rice, Leon A., assignor to Electrical Products Corporation, Los Angeles, Calif. Electric sign. 2,254,315; Sept. 2.
Richards, John W., Davenport, Iowa, and C. V. Tondreau, Rock Island, Ill. Safety hoist. 2,254,910; Sept. 2.
Richart, Mabel E., et al. (See Ostrom, Gustaf E., assignor.)
Riche, Arthur L., Freeport, Ill. Apparatus for testing water and other liquids. 2,254,782; Sept. 2.
Richley, Elmer J., Cleveland, Ohio. Indicator for the cooling liquid of internal combustion engines. 2,254,859; Sept. 2.
Ricou, Clarence A., Shreveport, La., assignor to Petroleum Increase Corporation, Carthage, Tex. Screen cleaning gun. 2,254,979; Sept. 2.
Rider, Blake D., assignor to The National Machinery Co., Tiffin, Ohio. Cutoff mechanism for headers. 2,254,316; Sept. 2.
Ridge, Raymond J. (See Eisinger, R. J., and Ridge.)
Ridge Tool Company, The. (See Ingwer, Carl H., assignor.)
Riesing, Ellwood F., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Insulator. 2,254,783; Sept. 2.
Riesz, Kolman. (See Smith, R. M., and Riesz.)
Righi, Aldo, Bologna, Italy. Indicating measuring apparatus. 2,254,242; Sept. 2.
Riley, Lynn G., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Motor control and brake system. 2,254,911; Sept. 2.
Rinia, Herre, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Device for scanning films. 2,254,024; Sept. 2.
Ripley, Kenneth C., Washington, D. C. Phase selector. 2,254,243; Sept. 2.
Roberts, Henry T., Chicago, Ill. Match book. 2,254,545; Sept. 2.
Roberts, Samuel S., Pittsburgh, Pa. Shipping drum unloader. 2,254,317; Sept. 2.
Robins, Don, Burbank, Calif. Automatic phonograph. 2,254,546; Sept. 2.
Robinson, James W. (See Angel, H., and Robinson.)
Rodanet, Charles H. H., Neuilly-sur-Seine, assignor to Société Anonyme Jaeger-Aviation, Levallois-Perret, Seine, France. Rotary electric contact maker. 2,255,002; Sept. 2.
Rodanet, Charles H. H., Neuilly-sur-Seine, assignor to Société Anonyme: Jaeger-Aviation, Levallois-Perret, Seine, France. Indicating pointer. 2,255,003; Sept. 2.
Rodanet, Charles H. H., Neuilly-sur-Seine, assignor to Société Anonyme: Jaeger-Aviation, Levallois-Perret, Seine, France. Paddle wheel. 2,255,004; Sept. 2.
Rodanet, Charles H. H., Neuilly-sur-Seine, assignor to Société Anonyme: Jaeger-Aviation, Levallois-Perret, Seine, France. Measuring instrument having capsules. 2,255,005; Sept. 2.
Röder, Kurt, assignor to Schubert & Salzer Maschinenfabrik Aktiengesellschaft, Chemnitz, Germany. Making stockings. 2,254,244; Sept. 2.
Röder, Kurt, Chemnitz, Germany. Producing stockings in a single operation. 2,255,014; Sept. 2.
Roell, Alfred. (See Rühle, H., and Roell.)
Roesch, Rudolph G., assignor to The Eraser Company, Inc., Syracuse, N. Y. Eraser. 2,254,874; Sept. 2.
Roessel, Louis O. E., Chappaqua, N. Y. Traction device. 2,254,318; Sept. 2.
Röhm & Haas Company. (See Neher, Harry T., assignor.)
Ronish, Theodore R., Cheyenne, Wyo. Skate. 2,254,450; Sept. 2.
Ronning, Adolph, Minneapolis, Minn. Mounting for vehicle wheels. 2,254,451; Sept. 2.
Ronning, Adolph, Minneapolis, Minn. Vehicle wheel mounting. 2,254,452; Sept. 2.
Rose, Alfred G., assignor to Rose Brothers (Gainsborough) Limited, Gainsborough, England. Conveyer. 2,254,860; Sept. 2.
Rose Brothers (Gainsborough) Limited. (See Rose, Alfred G., assignor.)
Rose, Edwin L., assignor to The Waterbury Tool Company, Waterbury, Conn. Power transmission. 2,254,319; Sept. 2.
Rosenberger, George W., Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Watt-hour demand meter. 2,254,912; Sept. 2.
Rosenthal, Henry, New York, N. Y. Method and product of cottonseed extraction. 2,254,245; Sept. 2.
Rossander, Swanie S., Wilmington, Del., and H. E. Woodward, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Pigment. 2,254,395; Sept. 2.
Rotary Index Co. (See Bruen, George C., assignor.)
Rotary Lift Company. (See Jaseph, Lawrence F., assignor.)
Roth, Willard. Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric furnace. 2,254,913; Sept. 2.
Rowe Manufacturing Co. (See Gabrielsen, Christian, assignor.)
Rowe Manufacturing Co. (See Greene, R. Z., and Gabrielsen, assignors.)
Rubel, Charles F., assignor to Union Special Machine Company, Chicago, Ill. Thread control mechanism for sewing machines. 2,254,875; Sept. 2.
Rudolph, Wilbert I. (See Fitzpatrick, Richard T., assignor.)
Ruff, Frederick C. (See Berger, H. G., Fisher, and Ruff.)

Rugg, Harold H., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Disconnecting contact. 2,254,914; Sept. 2.

Rühle, Hans, Dresden-Striesen, and A. Roell, Dresden-Zschachwitz, assignors to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Method and means for testing the adjustment of photographic objectives. 2,254,548; Sept. 2.

Rumme, Helmuth L. (See Breeden, Edward T., assignor.)

Rupp, Carl F. H., assignor of fifty-one per cent to W. J. Drown, Chicago, Ill. Keyboard indicating device. 2,254,547; Sept. 2.

Ruschig, Heinrich. (See Bockmühl, M., Ehrhart, and Ruschig.)

Russell, Oren F., Palmer, Wash. Motor driven ice skate. 2,254,320; Sept. 2.

Ryba, Anton, assignor, by mesne assignments, to Societa Antonio Ryba a garanzia limitata, Bolzano, Italy. Electromagnetic multiple-disk clutch. 2,254,625; Sept. 2.

S & W Fine Foods, Inc. (See Carroll, Ellsworth W., assignor.)

Sachs, Ward H. (See Keenen, F. G., and Sachs.)

Safety-Fuel Incorporated. (See Stirlen, Eugene D., assignor.)

Sand, John, assignor to Gemex Company, Newark, N. J. Bracelet construction. 2,254,755; Sept. 2.

Saunders, Seymour G., Bloomfield Hills, and H. Morrison, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Cement. 2,254,321; Sept. 2.

Sawyer, Lester T., Fitchburg, Mass. Surgical dressing. 2,254,915; Sept. 2.

Scally, Joseph R., St. Louis, Mo. Mechanical projector. 2,254,404; Sept. 2.

Scaramucci, Domer, assignor to Oil Equipment Engineering Corporation, Oklahoma City, Okla. Apparatus for cementing wells. 2,254,246; Sept. 2.

Schade, Otto H., West Caldwell, N. J., assignor to Radio Corporation of America. Television synchronizing signal impulse generator. 2,254,626; Sept. 2.

Schäfer, Kurt, Berlin-Eichkamp, Germany, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Self-supporting vehicle body frame or chassis frame, particularly for automobiles. 2,254,497; Sept. 2.

Scharf, John H., Omaha, Nebr., assignor, by mesne assignments, to Quixet, Inc. Magnetic display device and making same. 2,254,498; Sept. 2.

Scharmett, George E. (See Scharmett, Max, assignor.)

Scharmett, Max, assignor to G. E. Scharmett, Ansonia, Conn. Container. 2,254,453; Sept. 2.

Schattmann, Albert. (See Kämpfer, A. H., and Schattmann.)

Schell, Samuel D., Washington, D. C. Key case. 2,254,552; Sept. 2.

Scherfel, Otto C., assignor to Audubon Wire Cloth Corporation, Philadelphia, Pa. Manufacture of wire fabrics. 2,254,396; Sept. 2.

Schering Corporation. (See Allardt, H.-G., and Strassberger, assignors.)

Schick, Friedrich, assignor to the firm Deutsche Erdöl-Aktiengesellschaft, Berlin-Schoneberg, Germany. Obtaining Diesel fuels from tars. 2,254,322; Sept. 2.

Schlicker, Herman C., Brooklyn, assignor to Clairol, Inc., New York, N. Y. Clip for hair waving apparatus. 2,254,627; Sept. 2.

Schloss, Norman F., New York, N. Y. Bath tub and shower mat. 2,254,830; Sept. 2.

Schmidt, Otto W. (See Carswell, F. L., and Schmidt.)

Schmuts, Oskar. (See Laubenheimer, W., and Schmuts.)

Schneider, Paul E., Chemnitz, Germany. Direction indicator. 2,254,916; Sept. 2.

Schröder, Ernst, Berlin-Staaken, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Cooling system for electric devices. 2,254,917; Sept. 2.

Schubert & Salzer Maschinenfabrik Aktiengesellschaft. (See Röder, Kurt, assignor.)

Schur, Milton O., and E. M. Archer, assignors to Brown Company, Berlin, N. H. Insole. 2,254,711; Sept. 2.

Schwaiger, Max, Nuremberg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Voltage regulator. 2,254,918; Sept. 2.

Schwartz, Leon. (See Burleigh, J. K., and Schwartz.)

Scott & Williams, Incorporated. (See Allen, John M., assignor.)

Scovill Manufacturing Company. (See Myers, Thomas B., assignor.)

Scovill Manufacturing Company. (See Williams, Selden T., assignor.)

Searles, Raymond R., assignor to Fafnir Bearing Company, New Britain, Conn. Bearing. 2,254,397; Sept. 2.

Secretary of Agriculture of the United States of America. (See Smith, W. C., Reed, Veitch, and Shingler, assignors.)

Seelinger, Horace D., Highland Park, assignor to General Motors Corporation, Detroit, Mich. Shiftable mounting for electric vehicle motors. 2,254,499; Sept. 2.

Segessemann, Ernest, Newark, assignor to National Oil Products Company, Harrison, N. J. Lubricating oil. 2,254,756; Sept. 2.

Seibold, Paul F., Newport, Mich. Humidifying device. 2,254,500; Sept. 2.

Sekella, Youston, Elmira Heights, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Engine starter gearing. 2,255,015; Sept. 2.

Semple, Charles E., Jr., and F. J. Malat, assignors to The Astatic Corporation, Youngstown, Ohio. Electric phonograph pickup. 2,254,454; Sept. 2.

Senkus, Murray, assignor to Commercial Solvents Corporation, Terre Haute, Ind. Substituted-1,3-dioxanes. 2,254,876; Sept. 2.

Shaffer, Harvey H., Berwick, Pa. Bolster. 2,254,831; Sept. 2.

Shallock, Edward W., assignor to American Ore Reclamation Company, Chicago, Ill. Sintering machine. 2,254,323; Sept. 2.

Shannon, Joseph H. (See Everett, L. C., Shannon, and Finch.)

Sheffield Corporation, The. (See Aller, Willis F., assignor.)

Sheffield Corporation. (See Poock, L. F., and Aller, assignors.)

Shell Development Company. (See Ballard, Seaver A., assignor.)

Shell Development Company. (See McAllister, S. H., and Bailey, assignors.)

Shell Development Company. (See McMillan, F. M., and Parsons, assignors.)

Shepherd, Thomas L., London, England, assignor to The Clark Thread Company. Composite rubber-textile thread, yarn, fabric, and production. 2,254,712; Sept. 2.

Sherman, Nathan, et al. (See Baker, Fred, assignor.)

Shingler, George P. (See Smith, W. C., Reed, Veitch, and Shingler.)

Siemens-Schuckertwerke Aktiengesellschaft. (See Gleichmann, Hans, assignor.)

Sliven, Herbert A., assignor to Norton Company, Worcester, Mass. Grinding wheel feeding mechanism. 2,254,784; Sept. 2.

Simmons, Clyde E., Washington, D. C. Cleaning tubes and the like. 2,254,980; Sept. 2.

Simpson, Waldo P. (See Bany, H., and Simpson.)

Simsich, Peter, Brooklyn, N. Y. Precombustion L-head for Diesel engines. 2,254,628; Sept. 2.

Singer Manufacturing Company, The. (See Card, Frederic M., assignor.)

Singer Manufacturing Company, The. (See Myers, Walter, assignor.)

Sisco, Alexander, Kokomo, Ind. Fish lure. 2,254,981; Sept. 2.

Sjogren, Oscar W., Huntington Park, and G. E. Gerold, assignors to Killefer Manufacturing Corporation, Los Angeles, Calif. Cable layer. 2,254,324; Sept. 2.

Skinner Irrigation Company, The. (See Coles, W. H., Nelson, and Jennings, assignors.)

Slack, Frederic W., and C. C. Utz, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Motor vehicle. 2,254,325; Sept. 2.

Slovak, John. (See Mildner, F., and Slovak.)

Small, Louis, Detroit, Mich. Sintered metal composition. 2,254,549; Sept. 2.

Smart Platen Process Co. (See Latham, Charles W., assignor.)

Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,254,666; Sept. 2.

Smith, Benjamin H., Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Inductor generator. 2,254,919; Sept. 2.

Smith, Earle C., Cleveland Heights, and G. T. Motok, Massillon, assignors to Republic Steel Corporation, Cleveland, Ohio. Treating iron and steel. 2,255,016; Sept. 2.

Smith, Elmer H., assignor to Smith Welding Equipment Corporation, Minneapolis, Minn. Making torch tips. 2,254,757; Sept. 2.

Smith, Elmer H., assignor to Smith Welding Equipment Corporation, Minneapolis, Minn. Making torch tips. 2,254,758; Sept. 2.

Smith, T. L., Company, The. (See Andrae, Milton L., assignor.)

Smith, Roy M., Livingston, and K. Riesz, Gillette, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical instrument. 2,254,920; Sept. 2.

Smith Welding Equipment Corporation. (See Smith, Elmer H., assignor.)

Smith, Wiley C., Arlington, Va., J. O. Reed, Washington, D. C., F. P. Veitch, College Park, Md., and G. P. Shingler, Lake City, Fla., assignors to Henry A. Wallace, as Secretary of Agriculture of the United States of America, and to his successors in office. Processes for gum refining. 2,254,785; Sept. 2.

Snader, Howard B., Temple, assignor to Vanity Fair Silk Mills, Reading, Pa. Two-way stretch strain absorbing band with elastically closed relaxed meshes. 2,254,982; Sept. 2.

Snyder, John F., New York, N. Y. Automatic safety brake for baby carriages. 2,254,786; Sept. 2.

Societa Antonio Ryba a garanzia limitata. (See Ryba, Anton, assignor.)

Societe Anonyme: Etablissements Ed. Jaeger. (See Reutter, Jean L., assignor.)

Société Anonyme: Jaeger-Aviation. (See Galle, J. B. P. H., assignor.)

Société Anonyme: Jaeger-Aviation. (See Rodanet, Charles H. H., assignor.)

Societe Francaise de Construction de Bennes Automatiques. (See Allard, Pierre J.-M. T., assignor.)

Socony-Vacuum Oil Company. (See Adams, John S., assignor.)

Socony-Vacuum Oil Company. (See Berger, H. G., Fisher, and Ruff, assignors.)

Solem, Peter A., Rockford, Ill. Resilient roller. 2,254,501; Sept. 2.

Solvay Process Company, The. (See Bardwell, Dwight C., assignor.)

Sontagh, John R., Great Kills, Staten Island, assignor to International Projector Corporation, New York, N. Y. Bell ringing apparatus. 2,254,326; Sept. 2.

Soo-Hoo, Theodore L. (See Kunze, K. E., and Soo-Hoo.)

Sooy, Walter E. (See von Sydow, R. W., and Sooy.)

Sorenson, Arthur E., Crockett, Calif. Continuously operating centrifuge. 2,254,455; Sept. 2.

Southgate, George T., Forest Hills, Long Island, N. Y. Electric conversion. 2,254,247; Sept. 2.

Spamer, Richard F., Lynbrook, assignor to American District Telegraph Company, New York, N. Y. Signaling circuits. 2,254,398; Sept. 2.

Sparks, William J. (See Cloud, G. H., and Sparks.)

Spear-Wells Machinery Company. (See Wells, I. M., and Olds, assignors.)

Specialloid, Limited. (See Graham, Eric B., assignor.)

Splaine, Edward M., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 2,254,456; Sept. 2.

Square D Company. (See Bierenfeld, Josef, assignor.)

Squire, Nathen E., assignor, by mesne assignments, to Advance Patents Corporation, Chicago, Ill. Target apparatus. 2,254,952; Sept. 2.

Sroduiski, Joseph W., Chicago, Ill. Coin control. 2,254,784; Sept. 2.

Stainbrook, Clyde E., Memphis, Tenn. Cutting and baking rolls. 2,254,759; Sept. 2.

Standard Oil Company, The. (See Musselman, John M., assignor.)

Standard Oil Development Company. (See Cloud, G. H., and Sparks, assignors.)

Standard Oil Development Company. (See Gaylor, Peter J., assignor.)

Standard Oil Development Company. (See Lieber, Eugene, assignor.)

Standard Oil Development Company. (See Winning, Wolfgang C., assignor.)

Stapler, William W., Riverdale, N. J., assignor to Hercules Powder Company, Wilmington, Del. Fat-liquoring of tanned hides and skins. 2,254,713; Sept. 2.

Starr, James H., La Grange, assignor to Dearborn Chemical Co., Chicago, Ill. Concentration testing apparatus and method. 2,254,399; Sept. 2.

Starr, James H., La Grange, assignor to Dearborn Chemical Co., Chicago, Ill. Concentration testing system and method. 2,254,400; Sept. 2.

Steigerwald, Francis J., assignor to Park Chemical Company, Detroit, Mich. Material for and method of heat treating. 2,254,328; Sept. 2.

Stephens, Thomas J., Lancaster, Pa. Replaceable tread tire. 2,254,329; Sept. 2.

Stevenson, Gladys, administratrix. (See Stevenson, James W.)

Stevenson, James W., Riverside, Calif., deceased; G. Stevenson, administratrix. Box stack dumper. 2,254,550; Sept. 2.

Stewart-Warner Corporation. (See Thomas, G. F., and Bystricky, assignors.)

Stiebel, Theodor, Berlin-Tempelhof, Germany. Electric immersion heater. 2,254,330; Sept. 2.

Stine, Samuel S., Lansdowne, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Manufacturing turbine blades. 2,254,629; Sept. 2.

Stirlen, Eugene D., New Haven, assignor, by mesne assignments, to Safety-Fuel Incorporated, West Cheshire, Conn. Stove. 2,254,248; Sept. 2.

Stoffel, Hans F. (See Stoffel, Franz L., assignor.

Stoffel, Franz L., Arbon, Switzerland, assignor to H. F. Stoffel, New York, N. Y. Feeding mechanism for seal-stamping machines. 2,254,401; Sept. 2.

Stöhr, Max. Berlin-Hermsdorf, Germany, assignor to General Electric Company. Electric valve operated motor. 2,254,714; Sept. 2.

Stoneman, Allan C., et al. (See Feldman, Edward D., assignor.)

Story, Elliott M. (See Griffith, E. E., and Story.)

Strassberger, Lothar. (See Allardt, H-G., and Strassberger.)

Strehlow, Walter F. (See Frudden, C. E., and Strehlow.)

Stroup, Fred H. (See Dick, B., and Stroup.)

Stuart, Donald R., assignor to H. P. Stuart, Omaha, Nebr. Folding door. 2,254,583; Sept. 2.

Stuart, Elmer H., assignor to Eli Lilly and Company, Indianapolis, Ind. Preparing 2(P-nicotinylaminobenzenesulphonamide) pyridine. 2,254,877; Sept. 2.

Stuart, Helen P. (See Stuart, Donald R., assignor.)

Stuebing, William, Jr., Cincinnati, Ohio. Lift truck. 2,254,331; Sept. 2.

Stunkel, John C. (See Mueller, Fred R., assignor.)

Sturtevant, B. F., Company. (See Anderson, Samuel M., assignor.)

Sullivan, Roy W., Cragmere, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Pigment material and producing same. 2,254,630; Sept. 2.

Sun Oil Company. (See Rabbitt, Thomas G., assignor.)

Sundstrand, Oscar J., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Computing and printing machine. 2,254,760; Sept. 2.

Swallow, William, Headington, Oxford, assignor to Pressed Steel Company Limited, Cowley, Oxford, England. Vehicle. 2,254,457; Sept. 2.

Swallow, William, Headington, Oxford, assignor to Pressed Steel Company, Limited, Cowley, Oxford, England. Vehicle. 2,254,458; Sept. 2.

Swanda, Frank, Schuyler, Nebr. Radiator protector. 2,254,459; Sept. 2.

Swanson, John W., Sharon, Pa. Septic tank. 2,254,761; Sept. 2.

Swartwood, Kenneth, assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oils. 2,254,551; Sept. 2.

Swift, Harold A. (See Wylde, J. W., and Swift.)

Swinehart, Richard W., and A. T. Maasberg, assignors to The Dow Chemical Company, Midland, Mich. Manufacture of ethyl cellulose. 2,254,249; Sept. 2.

Symington-Gould Corporation, The. (See Blattner, Emil H., assignor.)

Szigeti, György. (See Bay, Z., and Szigeti.)

Tate, Virgil R., assignor to Perfex Corporation, Milwaukee, Wis. Burner control system. 2,254,983; Sept. 2.

Tate, Virgil R., assignor to Perfex Corporation, Milwaukee, Wis. Burner control system. 2,254,984; Sept. 2.

Taylor, Charles H., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Vacuum cleaner. 2,254,667; Sept. 2.

Taylor, William E., Jr., Riverside, Conn., assignor to American Can Company, New York, N. Y. Apparatus for reforming can bodies. 2,254,250; Sept. 2.

Taylor-Winfield Corporation. (See Mallett, Edwin A., assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Andrieu, Robert, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Ehlert, Paul, assignor.)

Teletype Corporation. (See Grey, Victor, assignor.)

Teletype Corporation. (See Zenner, Raymond E., assignor.)

Temple, Clyde V., Tyler, assignor to The Guiberson Corporation, Dallas, Tex. Gas lift valve. 2,254,631; Sept. 2.

Teska, John, New York, N. Y. Automatic brake for baby carriages. 2,254,632; Sept. 2.

Tharaldsen, Filip, Oslo, Norway. Metal melting furnace. 2,254,809; Sept. 2.

Thiel, Otto, Detroit, Mich. Wire wrapping method. 2,254,762; Sept. 2.

Tholstrup, Henry L., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Keyboard locking device. 2,255,029; Sept. 2.

Tholstrup, Henry L., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Keyboard locking device. 2,255,030; Sept. 2.

Thomas, Charles L., assignor to Universal Oil Products Company, Chicago, Ill. Catalytic treatment of hydrocarbons. 2,254,553; Sept. 2.

Thomas, Charles L., assignor to Universal Oil Products Company, Chicago, Ill. Catalytic treatment of hydrocarbons. 2,254,555; Sept. 2.

Thomas, George F., Riverside, and J. Bystricky, assignors to Stewart-Warner Corporation, Chicago, Ill. Lubricating apparatus. 2,254,502; Sept. 2.

Thomas, George F., Riverside, and J. Bystricky, assignors to Stewart-Warner Corporation, Chicago, Ill. Making lubricating apparatus. 2,254,503; Sept. 2.

Thomas, Howard S., Rochester, N. Y. Sewage disposal system and apparatus therefor. 2,254,953; Sept. 2.

Thompson, George L., and L. A. Cejka, Avenal, Calif. Well pump. 2,254,554; Sept. 2.

Thompson, Russell G., Elmira, assignor to Remington Rand Inc., Buffalo, N. Y. Typewriting and like machine. 2,254,921; Sept. 2.

Thompson, Victor R. (See Cooper, R. L., and Thompson.)

Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,254,332; Sept. 2.

Tillyer, Edgar D., and H. R. Moulton, Southbridge, and T. M. Gunn, Attleboro, assignors to American Optical Company, Southbridge, Mass. Glass composition and product thereof. 2,254,633; Sept. 2.

Tingley Reliance Rubber Corporation. (See Jackson, Walter C., assignor.)

Tjaarda, John, assignor to Briggs Manufacturing Company, Detroit, Mich. Electric motor vehicle. 2,254,552; Sept. 2.

Toce, Charles A., R. F. Broussard, and W. Holland, Houston, Tex., assignors, by mesne assignments, to International Vehicular Parking, Ltd. Washington, D. C. Coin control device. 2,254,460; Sept. 2.

Todd, Russell T., assignor to McKay Machine Company, Youngstown, Ohio. Roller leveler. 2,254,461; Sept. 2.

Tomek, Arthur O., Two Rivers, Wis. Expansion manhole top. 2,254,668; Sept. 2.

Tomsic, Guy, New York, N. Y. Carburetor. 2,254,634; Sept. 2.

Tondreau, Cyril V. (See Richards, J. W., and Tondreau.)

Tornell, Clifford A., Pilot Mound, Iowa. Poultry watering fountain. 2,254,584; Sept. 2.
Toronto Electric Commissioners. (See Ashworth, E. M., and Ambuhl, assignors.)
Torrence, George P., Shaker Heights, R. F. Bergmann, Lakewood, and W. F. Knebusch, Rocky River, assignors to Industrial Rayon Corporation, Cleveland, Ohio. Thread advancing reel. 2,255,017; Sept. 2.
Travis, Edwin, Peekskill, N. Y. Feeding device. 2,254,585; Sept. 2.
Triangle Tire & Battery Service. (See Olson, E., and Johnson, assignors.)
Trigg, Chester S., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,254,635; Sept. 2.
Tucker, Irvin L., assignor to Rapid Gas Corporation, Cedar Rapids, Iowa. Housing and support for gas cylinders. 2,254,954; Sept. 2.
Tuller, John, Bridgeport, Conn. Light with adjustable head. 2,254,715; Sept. 2.
Turner, John B., Norwich, N. Y. Fireplace screen supporting fixture. 2,254,333; Sept. 2.
Turner, Kenneth O., Waverly, Nebr. Eyeglass protector. 2,254,669; Sept. 2.
Turner, William D., Salem, Oreg. Bearing. 2,254,670; Sept. 2.
Underwood Elliott Fisher Company. (See Anderson, Walter A., assignor.)
Underwood Elliott Fisher Company. (See Foothorap, Harry A., assignor.)
Underwood Elliott Fisher Company. (See Sundstrand, Oscar J., assignor.)
Underwood Elliott Fisher Company. (See Yaeger, Harry C., assignor.)
Union Special Machine Company. (See Rubel, Charles F., assignor.)
Union Steel Products Company. (See Bitney, Dewey H., assignor.)
United Shoe Machinery Corporation. (See Bazzoni, Lewis J., assignor.)
United Shoe Machinery Corporation. (See Brostrom, Charles G., assignor.)
United Shoe Machinery Corporation. (See Campbell, Rouel R., assignor.)
United Shoe Machinery Corporation. (See Cocozella, Anthony, assignor.)
United Shoe Machinery Corporation. (See Gookin, Sylvester L., assignor.)
United Shoe Machinery Corporation. (See Hardy, John F., assignor.)
United Shoe Machinery Corporation. (See Jorgensen, Bernhardt, assignor.)
United States Rubber Company, et al. (See Hansen, A. W., and Gninan, assignors.)
Universal Oil Products Company. (See Gerhold, Clarence G., assignor.)
Universal Oil Products Company. (See Mattox, William J., assignor.)
Universal Oil Products Company. (See Swartwood, Kenneth, assignor.)
Universal Oil Products Company. (See Thomas, Charles L., assignor.)
University of Tennessee Research Corporation, The. (See Arnold, Harold A., assignor.)
Utility Trailer Manufacturing Company. (See Knox, Garner L., assignor.)
Utz, Chester C. (See Slack, F. W., and Utz.)
Uytenbogaart, Johannes, Wassenaar, Netherlands. Device for use in the aftertreatment of artificial silk. 2,254,251; Sept. 2.
Vanguiten, Veri D., Cleveland, Ohio. Medicinal product. 2,254,636; Sept. 2.
Van Horn, Dale R. (See Weisgurt, H., and van Horn.)
Vanity Fair Silk Mills. (See Snader, Howard B., assignor.)
Van Riel, Pieter, assignor to Machinefabriek Reineveld N. V., Delft, Netherlands. Apparatus for emptying centrifuges. 2,254,985; Sept. 2.
Velt, John J., West New York, N. J. Fluid pressure motor for grease guns. 2,254,716; Sept. 2.
Veitch, Fletcher P. (See Smith, W. C., Reed, Veitch, and Shingler.)
Vickers Incorporated. (See Nye, H. C., and Wise, assignors.)
Vincent, Jesse G., Grosse Pointe, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,254,334; Sept. 2.
Vincent, Jesse G., Grosse Pointe, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,254,335; Sept. 2.
Visser, John, Grand Rapids, assignor, by mesne assignments, to Reconstruction Finance Corporation, Detroit, Mich. Ash receptacle and mounting. 2,254,861; Sept. 2.
Vogel, Georg, Siegmar-Schonau, Saxony, Germany. Working an endless rubber band into the welts of hosiery. 2,255,031; Sept. 2.
Von Soden, Adolph F., Los Angeles, assignor of one one-thousandth to C. R. Cheney, Long Beach, Calif. Call recording device. 2,254,504; Sept. 2.
Von Sydow, Rudolf W., and W. E. Sooy, assignors to The Gardner-Richardson Company, Middletown, Ohio. Container manufacture. 2,254,336; Sept. 2.
Waco Aircraft Company, The. (See Arcier, A. F., and Baker, assignors.)
Wagner Electric Corporation. (See Cox, John C., assignor.)
Wagner Electric Corporation. (See Darling, Frank L., assignor.)
Wagner Electric Corporation. (See Dick, Burns, assignor.)
Wagner Electric Corporation. (See Dick, B., and Stroup, assignors.)
Wagner Electric Corporation. (See Gardiner, Clarence V., assignor.)
Wagner Electric Corporation. (See Milster, Arthur N., assignor.)
Wagner, Jay E., Canton, Ohio. Anatomical dental flask. 2,254,556; Sept. 2.
Walker Machine & Foundry Corporation. (See Moore, Lewis F., assignor.)
Walker, Richard A., St. Joseph, Mo. Draft regulating apparatus. 2,254,505; Sept. 2.
Warwick, Orlo, Endicott, N. Y. Tool. 2,254,586; Sept. 2.
Waterbury Tool Company, The. (See Doe, Thomas B., assignor.)
Waterbury Tool Company, The. (See Rose, Edwin L., assignor.)
Watrous, Ward W., Jr., Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Double wall discharge device. 2,254,922; Sept. 2.
Watson, Charles E. (See Johnson, A. R., and Watson.)
Watson, Ralph M., Bloomfield, W. H. Church, Jersey City, and M. Haeberlein, Maplewood, assignors to Worthington Pump and Machinery Corporation, Harrison, N. J. Shaft seal for centrifugal machines. 2,254,862; Sept. 2.
Webster Electric Company. (See Dally, Roy, assignor.)
Weight, Wilmer H., Allquippa, Pa. Bookholder for cabinets. 2,254,832; Sept. 2.
Weihe, Gustav J., Grand Rapids, Mich. Suspensory for undergarments. 2,254,863; Sept. 2.
Weiser, Mary L., assignor to Walt Disney Productions, Los Angeles, Calif. Creating depth and texture effects in animated cartoons. 2,254,462; Sept. 2.
Weisgurt, Henry, and D. R. van Horn, Lincoln, Nebr.; said van Horn assignor to said Weisgurt. Solidified peanut butter. 2,255,032; Sept. 2.
Weiss, August J., assignor to Maryland Glass Corporation, Baltimore, Md. Bottle buffing machine. 2,254,671; Sept. 2.
Weiss, Moritz, assignor of one-half to L. L. Grey, New York, N. Y. Photographic printing apparatus. 2,254,717; Sept. 2.
Welch, Kenneth C., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich. Lighting for mirrors. 2,254,718; Sept. 2.
Wells, Ira M., Oakland, and H. A. Olds, San Francisco, assignors to Spears-Wells Machinery Company, Inc., Oakland, Calif. Constructing and reconstructing road surfaces. 2,254,463; Sept. 2.
Welsh, James W., Providence, R. I., assignor to Welsh Manufacturing Company. Ophthalmic mounting. 2,254,637; Sept. 2.
Welsh Manufacturing Company. (See Welsh, James W., assignor.)
Welstead, Guy L., Dixon, Ill. Fuel burning heater. 2,254,864; Sept. 2.
Wertz, Louis S., Cleveland, Ohio. Densifying and solidifying porous masses. 2,254,252; Sept. 2.
Western Electric Company. (See Holt, Leo G., assignor.)
Western Union Telegraph Company. (See Angel, H., and Robinson, assignors.)
Westinghouse Electric & Manufacturing Company. (See Auld, Frederick, assignor.)
Westinghouse Electric & Manufacturing Company. (See Barnsteiner, A., and Lockwood, assignors.)
Westinghouse Electric & Manufacturing Company. (See Blankenbuehler, John H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Clark, E. K., and Breckenridge, assignors.)
Westinghouse Electric & Manufacturing Company. (See Cook, Willard G., assignor.)
Westinghouse Electric & Manufacturing Company. (See de Margitta, Michael J. N., assignor.)
Westinghouse Electric & Manufacturing Company. (See Elsinger, R. J., and Ridge, assignors.)
Westinghouse Electric & Manufacturing Company. (See Forsthoefel, Gregg F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Friedlander, Erich, assignor.)
Westinghouse Electric & Manufacturing Company. (See Frisch, Erling, assignor.)
Westinghouse Electric & Manufacturing Company. (See Germany, James H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Gustin, D. S., and Freeman, assignors.)
Westinghouse Electric & Manufacturing Company. (See Hensel, F. E., and Larsen, assignors.)
Westinghouse Electric & Manufacturing Company. (See Holmes, Richard E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hunt, C. W., and Gustin, assignors.)
Westinghouse Electric & Manufacturing Company. (See Kaukewitsch, Theodor, assignor.)
Westinghouse Electric & Manufacturing Company. (See King, G. E., and Eames, assignors.)

Westinghouse Electric & Manufacturing Company. (See Kreidler, Raymond L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Laubenheimer, W., and Schmuts, assignors.)
Westinghouse Electric & Manufacturing Company. (See Lessmann, Gerhard P., assignor.)
Westinghouse Electric & Manufacturing Company. (See Mirow, Lothar, assignor.)
Westinghouse Electric & Manufacturing Company. (See Mouromtseff, I. E., and Dinnick, assignors.)
Westinghouse Electric & Manufacturing Company. (See Mullan, Daniel, assignor.)
Westinghouse Electric & Manufacturing Company. (See Nicholas, Andrew J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Quimper, Anthony A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Rentschler, H. C., and Nagy, assignors.)
Westinghouse Electric & Manufacturing Company. (See Reuter, Edmund A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Riley, Lynn G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Rosenberger, George W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Roth, Willard, assignor.)
Westinghouse Electric & Manufacturing Company. (See Rugg, Harold H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Schroder, Ernst, assignor.)
Westinghouse Electric & Manufacturing Company. (See Schwaiger, Max, assignor.)
Westinghouse Electric & Manufacturing Company. (See Smith, Benjamin H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Smith, R. M., and Riesz, assignors.)
Westinghouse Electric & Manufacturing Company. (See Stine, Samuel S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Taylor, Charles H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Watrous, Ward W., Jr., assignor.)
Westinghouse Electric & Manufacturing Company. (See Wilson, John C., assignor.)
Whaley, Malcolm L. (See Mott, C., and Whaley.)
Wheary, George H., Jr., assignor to Wheary Trunk Company, Racine, Wis. Handle. 2,254,506; Sept. 2.
Wheary Trunk Company. (See Wheary, George H., Jr.)
Wheatley, Thomas, Houston, Tex. Strainer. 2,254,402; Sept. 2.
Wheaton, Jack M. (See Barnby, H. A., and Wheaton.)
Wheel Trueing Tool Company of Delaware. (See Petrie, John L., assignor.)
Wheeler, Byron E., Greenfield, Mo. Dredge. 2,254,464; Sept. 2.
White, William C., Schenectady, N. Y., assignor to General Electric Company. Fluid-cooled discharge device. 2,254,719; Sept. 2.
Whitney Metal Tool Company. (See Jensen, John, assignor.)
Whittier, Charlton P. (See Barnby, H. A., Hullhorst, and Whittier.)
Whittier, William A., Kenilworth, assignor to The Pure Oil Company, Chicago, Ill. Halogenated lubricant. 2,254,337; Sept. 2.
Wickett, Herbert E., Canton, Minn. Hay retainer for stackers. 2,254,923; Sept. 2.
Wienand, Heiner, Buchschlag, Germany. Method and apparatus for molding artificial teeth. 2,254,638; Sept. 2.
Wilcox, Harry A., assignor to Automatic Signal Corporation, East Norwalk, Conn. Insulated electrical contact. 2,254,720; Sept. 2.
Will, Ambrose R., Dayton, Ohio. Display device. 2,254,810; Sept. 2.
Williams, Ivan A., Portland, Oreg. Fastening element and making same. 2,254,558; Sept. 2.
Williams, Max W., Waldershare Park, Dover, England, assignor to American Flange & Manufacturing Co., Inc., New York, N. Y. Closure arrangement for opening of sheet-metal containers. 2,254,924; Sept. 2.
Williams, Selden T., Bellerose, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn. Automatic pressure operated valve. 2,254,253; Sept. 2.
Williams, Virgil C., Buffalo, N. Y., assignor to The Linde Air Products Company. Apparatus for dispensing gas material. 2,254,587; Sept. 2.
Wilson, Ira G., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Amplifier. 2,254,403; Sept. 2.
Wilson, James F., West Philadelphia, Pa., assignor to Wood Newspaper Machinery Corporation, Plainfield, N. J. Plate finishing machine. 2,255,018; Sept. 2.
Wilson, John C., East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Ink for glass. 2,254,865; Sept. 2.
Wingfoot Corporation. (See Zimmerman, John H., assignor.)
Winning, Wolfgang C., Union, N. J., assignor to Standard Oil Development Company. Distillation of ethers containing peroxides. 2,254,404; Sept. 2.
Winthrop Chemical Company. (See Bockmühl, M., Ehrhart, and Ruschig, assignors.)
Wirth, Louis E., Pittsburgh, Pa. Paint distintegrator. 2,254,925; Sept. 2.
Wirth, Wilhelm, Berlin-Siemensstadt, assignor to Patentverwertungs-Gesellschaft mit beschränkter Haftung "Hermes," Berlin, Germany. Hydraulic drive for pumps or compressors. 2,254,811; Sept. 2.
Wise, Harry L. (See Nye, H. C., and Wise.)
Wittenberg, Edward H., assignor to National Pressure Cooker Company, Eau Claire, Wis. Pressure retainer and releasing device. 2,254,557; Sept. 2.
Wodrich, Edwin A., Alden, Minn. Cow tail holder. 2,254,465; Sept. 2.
Wolfe, Benjamin J., Chicago, Ill. Measuring and cutting device. 2,254,763; Sept. 2.
Wolters, Carl F., Buffalo, N. Y., and R. M. Ellis, Boundbrook, N. J., assignors to Remington Rand Inc., Buffalo, N. Y. Making index strips. 2,255,019; Sept. 2.
Wood Newspaper Machinery Corporation. (See Wilson, James F., assignor.)
Wood, Thornton A., Gary, Ind. Metal rolling mill motor control. 2,254,338; Sept. 2.
Woodall Industries, Inc. (See Burns, Earl A., assignor.)
Woodall Industries Incorporated. (See Randall, Meredith S., assignor.)
Wooddell, Charles E., assignor to The Carborundum Company, Niagara Falls, N. Y. Molding articles. 2,254,254; Sept. 2.
Woodward, Harold E. (See Rossander, S. S., and Woodward.)
Worthington Pump and Machinery Corporation. (See Brigham, N. E., and Holveck, assignors.)
Worthington Pump and Machinery Corporation. (See Holveck, Joseph E., assignor.)
Worthington Pump and Machinery Corporation. (See Watson, R. M., Church, and Haeberlein, assignors.)
Wyeth, John, and Brother, Incorporated. (See Ashkenaz, David M., assignor.)
Wylde, Joseph R., and H. A. Swift, Spondon, near Derby, England, assignors to Celanese Corporation of America. Fabric. 2,254,339; Sept. 2.
Yaeger, Harry C., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,254,764; Sept. 2.
Yakes, Frank, Jr., Lafayette, Colo. Stemming dummy for shooting coal. 2,254,405; Sept. 2.
Yett, Frank P., Jeannette, Pa. Tensioning and guide device for ironing cords. 2,254,955; Sept. 2.
Young, Lloyd W., Scotch Plains, N. J., assignor to The Linde Air Products Company. Heat treating apparatus. 2,254,701; Sept. 2.
Young, L. A., Spring & Wire Corporation. See Hathaway, H. B., and Heilman, assignors.)
Young, William R. (See Bryant, F. D., and Young.)
Zaikowsky, Wladimir M., Los Angeles, assignor of twenty-five percent to S. S. Mackeown, Pasadena, Calif. Valve. 2,254,340; Sept. 2.
Zaikowsky, Wladimir M., assignor of twenty-five percent to S. S. Mackeown, Pasadena, Calif. Lubricating method and apparatus therefor. 2,254,341; Sept. 2.
Zap Development Corporation. (See Miller, William H., assignor.)
Zarotschenzeff, Wladimir M., Palisades, N. J., assignor to National Frosted Foods, Inc., New York, N. Y. Method and apparatus for quick freezing. 2,254,406; Sept. 2.
Zeiss Ikon Aktiengesellschaft. (See Bertele, Ludwig, assignor.)
Zeiss Ikon Aktiengesellschaft. (See Nerwin, Hubert, assignor.)
Zeiss Ikon Aktiengesellschaft. (See Rühle, H., and Roell, assignors.)
Zenner, Raymond E., Brookfield, assignor to Teletype Corporation, Chicago, Ill. Receiver selection system. 2,254,342; Sept. 2.
Zeruneith, Rudolph E., New York, N. Y. Material unwinding, guiding, and tensioning structure. 2,254,255; Sept. 2.
Zeruneith, Rudolph E., New York, N. Y. Safety control. 2,254,256; Sept. 2.
Zervas, Paul. (See Fleischhauer, R., Zervas, and Müller.)
Ziel, Max, Oswego, N. Y. Target. 2,254,986; Sept. 2.
Zierer, Wallace E., assignor to Chrysler Corporation, Highland Park, Mich. Windshield cleaner. 2,254,343; Sept. 2.
Zimmer, Myron J., assignor to The Edward Katzinger Company, Chicago, Ill. Flashlight attachment. 2,254,257; Sept. 2.
Zimmerman, John H., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Device for supporting tires in vulcanizers. 2,254,926; Sept. 2.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 2D DAY OF SEPTEMBER, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Charge forming device. J. W. Hogg. Re. 21,892; Sept. 2.
Heat treating and torch therefor. C. H. Taylor. Re. 21,897; Sept. 2.
Pump, Jet. A. G. Horvath. Re. 21,893; Sept. 2.
Refrigeration. B. F. Randel. Re. 21,894; Sept. 2.
Ticker projecting machine, Broad tape. J. W. Decker. Re. 21,891; Sept. 2.
Wheel generating machine, Worm. O. G. Simmons. Re. 21,896; Sept. 2.
Wringer, Clothes. S. E. Schroeder. Re. 21,895; Sept. 2.

LIST OF DESIGN INVENTIONS

Agitator, Washing machine. C. C. Scheele. 129,292; Sept. 2.
Atomizer. C. W. Sundberg. 129,297; Sept. 2.
Awning, Rigid. J. J. Morrison. 129,263; Sept. 2.
Bottle or similar article. G. K. Woodley. 129,329; Sept. 2.
Bowl or similar article, Finger. T. Wilson. 129,265; Sept. 2.
Bracelet, Watch. W. Forstner. 129,326; Sept. 2.
Brooch and locket or similar article, Combined. P. Kaufman. 129,287; Sept. 2.
Brooch or similar article. A. Philippe. 129,311–18; Sept. 2.
Brooch or similar article. A. Spaney. 129,319–21; Sept. 2.
Case, Counter display. P. H. James. 129,258; Sept. 2.
Casing, Air valve. F. A. Leisen. 129,327; Sept. 2.
Casing for glass- or dish-washing machine. H. E. Weeks. 129,304; Sept. 2.
Ceramic element for gas heating stoves and the like. R. A. Dudley. 129,324; Sept. 2.
Chaise. A. Wesley. 129,328; Sept. 2.
Clip, Pin. A. Philippe. 129,307–10; Sept. 2.
Clock. J. I. Silvers. 129,264; Sept. 2.
Coat. A. Del Re. 129,334–5; Sept. 2.
Coat. A. Del Re. 129,349; Sept. 2.
Container, Lipstick. W. B. Petzold. 129,291; Sept. 2.
Doll head or similar article. E. Bergen. 129,255–6; Sept. 2.
Dress. B. Kessler. 129,350–2; Sept. 2.
Dress. H. B. Lindenbaum. 129,353; Sept. 2.
Dress. R. Payne. 129,354; Sept. 2.
Dress. E. Cutler. 129,346–8; Sept. 2.
Dress. C. McCardell. 129,340; Sept. 2.
Dress ensemble. B. Baum. 129,333; Sept. 2.
Dress ensemble. S. Riesenberg. 129,355; Sept. 2.
Dress or similar article. H. Belspel. 129,342–5; Sept. 2.
Fabric, Embroidered textile. S. H. Geffner. 129,337; Sept. 2.
Fabric or similar article, Embroidered. O. Halibauer. 129,339; Sept. 2.
Fabric, Textile. S. Gesmar. 129,338; Sept. 2.
Game board. B. K. Aldridge. 129,254; Sept. 2.
Game board. A. F. Borland. 129,280; Sept. 2.
Game device, Target. G. E. Lemon. 129,262; Sept. 2.
Gauge, Gasoline. R. A. and O. F. Johnson. 129,259; Sept. 2.
Handle for mirrors or similar articles. J. A. Despres. 129,323; Sept. 2.
Holder for candle and flowers, Combined. K. W. Hayt. 129,286; Sept. 2.
Ice cream cone. E. B. Herman. 129,271; Sept. 2.
Ice-cream cone. S. Sherman. 129,294; Sept. 2.
Jodhpur. W. E. Justin. 129,261; Sept. 2.
Lamp, Ship. B. Dess. 129,284; Sept. 2.
Liturgical orphrey or similar article. A. Baumgartner. 129,266–70; Sept. 2.
Mask, Gas. W. P. Yant. 129,330–2; Sept. 2.
Mat for kitchen tables, stoves, and the like, Protective. J. R. Caldwell. 129,281–2; Sept. 2.
Mirror, Mouth. W. S. Crowell. 129,322; Sept. 2.
Pencil or the like, Mechanical. H. K. Stempel. 129,295; Sept. 2.
Pin or similar article of jewelry. O. Selle. 129,293; Sept. 2.
Radiator, Heating. C. W. Good. 129,303; Sept. 2.
Range finder. J. Mihalyi. 129,290; Sept. 2.
Razor blade holder or similar article. W. Frank. 129,285; Sept. 2.
Scarf or similar article, Embroidered. E. R. Goldsmith. 129,302; Sept. 2.
Shoe. H. L. Sutcliffe. 129,272–9; Sept. 2.
Shears, Pruning. F. B. Lutman. 129,289; Sept. 2.
Shirt pressing member. H. D. Forse. 129,301; Sept. 2.
Shoe. H. L. Sutcliffe. 129,298–300; Sept. 2.
Shoe or similar article. F. Joyce. 129,260; Sept. 2.
Signal, Hand carried traffic. G. Stewart. 129,296; Sept. 2.
Signal, Hand reflector. F. V. Lake. 129,288; Sept. 2.
Slip. N. Turcotte. 129,341; Sept. 2.
Statuette. C. Appelbaum. 129,305–6; Sept. 2.
Stirrer and pick, Combined. L. J. Ganger. 129,257; Sept. 2.
Store front. J. S. Dworsky. 129,325; Sept. 2.
Suit. S. Siegel. 129,336; Sept. 2.
Washer and drier, Combined automatic. F. A. Conterman. 129,283; Sept. 2.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 2D DAY OF SEPTEMBER, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading apparatus. E. O. Hamren. 2,254,219; Sept. 2.
Abrasive article and mix, Rubber bonded. R. H. Martin. 2,254,612; Sept. 2.
Abrasive equipment. V. E. Minich. 2,254,234; Sept. 2.
Accounting machine. W. A. Anderson. 2,254,765; Sept. 2.
Acetylene gas generator. M. C. Chadbourne. 2,254,995; Sept. 2.
Acid and polymers derived therefrom, Polymerizable mono-esters of maleic. H. T. Neher. 2,254,382; Sept. 2.
Acid, Manufacture of acetic. D. C. Bardwell. 2,254,725; Sept. 2.
Acids of the cyclopentano polyhydro phenanthrene series and their derivatives and producing the same. H-G. Allardt and L. Strassberger. 2,254,407; Sept. 2.
Adhesive applying machine. C. G. Brostrom. 2,254,350; Sept. 2.
Aileron and flap. W. H. Miller. 2,254,304; Sept. 2.
Air-conditioning apparatus. E. D. Feldman. 2,254,213; Sept. 2.
Air conditioning apparatus. R. E. Holmes. 2,254,654; Sept. 2.
Air conditioning system. S. M. Anderson. 2,254,813; Sept. 2.
Aircraft and its control. H. E. Irwin. 2,254,485; Sept. 2.
Aircraft, Aquatic. C. Dornier. 2,254,355; Sept. 2.
Aircraft brake. C. Dornier. 2,254,501; Sept. 2.
Aircraft landing gear. A. F. Arcier and M. P. Baker. 2,254,260; Sept. 2.
Airplane. A. N. Hovland. 2,254,903; Sept. 2.
Airplane, Model. J. E. Bardwell and W. Hrach. 2,254,767; Sept. 2.
Airplane vibration dampener. G. W. De Bell. 2,254,473; Sept. 2.
Alarm, Adjustable carbon monoxide. J. J. Guarragna. 2,254,480; Sept. 2.
Album leaf. T. R. Hires. 2,254,893; Sept. 2.
Alkyl nitrates, Manufacture of. G. H. Cloud and W. J. Sparks. 2,254,352; Sept. 2.
Alloy: *See*—
Aluminum alloy.
Alloys, Hot pressed or extruded. R. S. Dean. 2,254,598; Sept. 2.
Alpha-ketoacid derivaties of 4,4'-diaminodiphenyl sulphone and process of making them. M. S. Kharasch and O. Reinmuth. 2,254,872; Sept. 2.
Aluminum alloy. G. E. Barnes. 2,254,202; Sept. 2.
Amplifier. I. G. Wilson. 2,254,403; Sept. 2.
Amplifier, High frequency. W. J. Poch. 2,254,855; Sept. 2.
Amplifier, Mechanical. G. J. V. Faley. 2,254,278; Sept. 2.
Amusement apparatus. H. F. Maynes. 2,255,013; Sept. 2.
Anesthetic administering device. H. V. O'Connell. 2,254,854; Sept. 2.
Animal restrainer. F. M. Jackson. 2,254,574; Sept. 2.
Animated cartoons, Creating depth and texture effects in. M. L. Weiser. 2,254,462; Sept. 2.
Antenna switch, High frequency. L. C. Everett, J. H. Shannon, and J. L. Finch. 2,254,693; Sept. 2.
Antenna system. S. Godet. 2,254,697; Sept. 2.
Anthraquinone series, Compounds of. H. A. Lubs and O. H. Johnson. 2,24,230; Sept. 2.
Apparatus for cementing walls. D. Scaramucci. 2,254,246; Sept. 2.
Apparatus for dispensing gas material. V. C. Williams. 2,254,587; Sept. 2.
Apparatus for emptying centrifuges. P. van Riel. 2,254,985; Sept. 2.
Apparatus for feeding and opening bags and containers. L. J. Nowak, Jr. 2,254,384; Sept. 2.
Apparatus for flame hardening. C. Mott and M. L. Whaley. 2,254,306; Sept. 2.
Apparatus for fluid coupling welding. A. Michailoff and F. H. Johnson. 2,254,303; Sept. 2.
Apparatus for forming vulcanized articles. A. Meyer. 2,254,233; Sept. 2.
Apparatus for handling metal strips from rolling mills. R. G. Bennewitz. 2,254,348; Sept. 2.
Apparatus for making bags and the like. A. Potdevin and G. E. Hampton. 2,254,907; Sept. 2.
Apparatus for mulling leather. C. F. Eaton. 2,254,870; Sept. 2.
Apparatus for orienting fruits having a long axis. E. W. Carroll. 2,254,505; Sept. 2.
Apparatus for processing steel plates. R. H. Gordon. 2,254,216; Sept. 2.
Apparatus for producing additive color films. A. H. Kämpfer and A. Schattmann. 2,254,686; Sept. 2.
Apparatus for reforming can bodies. W. E. Taylor, Jr. 2,254,250; Sept. 2.
Apparatus for ripping or tearing raw tobacco leaves into pieces. O. E. Elssmann. 2,254,776; Sept. 2.
Apparatus for supporting and elevating vehicles in freight cars. J. E. O'Brien. 2,254,542; Sept. 2.
Apparatus for testing water and other liquids. A. L. Riche. 2,254,782; Sept. 2.
Apparatus for vacuum sealing containers. H. A. Barnby, W. B. Hullhorst, and C. P. Whittier. 2,254,042; Sept. 2.
Apparatus for welding thin silicon steel and the like. E. Reed. 2,254,314; Sept. 2.
Automatic safety valve for hydraulic brakes. R. H. Blank. 2,254,990; Sept. 2.
Axle drive for direct-driven Diesel locomotives, Individual. A. Finsterwalder. 2,254,426; Sept. 2.
Backboard for supporting articles. L. G. Holt. 2,254,847; Sept. 2.
Bag: *See*—
Duffel bag.
Bait, Artificial fishing. H. E. Messacar. 2,254,949; Sept. 2.
Balanced high frequency circuit. A. M. Braaten. 2,254,590; Sept. 2.
Ball, Bowling. C. F. Chicarelli. 2,254,731; Sept. 2.
Band with elastically closed relaxed meshes, Two-way stretch strain absorbing. H. B. Snader. 2,254,982; Sept. 2.
Barbwire, Method of producing reverse twist. H. A. Nelson. 2,254,238; Sept. 2.
Basketball goal. F. Albach and G. R. Chervenka. 2,254,507; Sept. 2.
Battery carrier, Storage. E. T. Breeden. 2,254,991; Sept. 2.
Battery connection. G. A. Bjornson. 2,254,835; Sept. 2.
Bearing: *See*—
Side bearing.
Bearing. H. L. Farr. 2,254,516; Sept. 2.
Bearing. R. R. Searles. 2,254,397; Sept. 2.
Bearing. W. D. Turner. 2,254,670; Sept. 2.
Bed cozy. L. Gerry. 2,254,423; Sept. 2.
Bell ringing apparatus. J. R. Sontagh. 2,254,326; Sept. 2.
Belt clutch. L. J. Berkeley. 2,254,592; Sept. 2.
Blade construction, Airscrew. J. H. Haw. 2,254,821; Sept. 2.
Blades, Manufacturing turbine. S. S. Stine. 2,254,629; Sept. 2.
Blind. L. F. Donner. 2,254,820; Sept. 2.
Block: *See*—
Pulley block.
Block gauge set, Combination. J. O. E. Johansson. 2,254,894; Sept. 2.
Blocks, Heat treating steel die. M. J. Gorman. 2,254,959; Sept. 2.
Bobber, Casing. J. D. Furdas. 2,254,800; Sept. 2.
Bobbin, Spool. L. D. C. Gómez. 2,254,606; Sept. 2.
Body frame or chassis frame, particularly for automobiles, Self-supporting vehicle. K. Schäfer. 2,254,497; Sept. 2.
Boiler: *See*—
Steam boiler.
Bolster. H. H. Shaffer. 2,254,831; Sept. 2.
Bookholder for cabinets. W. H. Weight. 2,254,832; Sept. 2.
Boots and shoes, Production of. C. Haber and E. Haumann. 2,255,000; Sept. 2.
Boring apparatus and motor therefor, Earth. C. E. Bannister. 2,254,641; Sept. 2.
Bottle closure. G. H. Hutan, Jr. 2,254,682; Sept. 2.
Box: *See*—
Reinforced box.
Bracelet. H. Hargreaves. 2,255,008; Sept. 2.
Bracelet construction. J. Sand. 2,254,755; Sept. 2.
Bracket: *See*—
Lamp bracket.
Brake: *See*—
Aircraft brake.
Brake. D. T. Brock and G. R. G. Gates. 2,254,349; Sept. 2.

Brake adjusting mechanism. J. C. Cox. 2,254,887; Sept. 2.
Brake apparatus for oil well pulling equipment. R. Brinneman. 2,254,563; Sept. 2.
Brake control device. M. S. Graves. 2,254,523; Sept. 2.
Brake disk assembly. C. L. Eksergian. 2,255,023; Sept. 2.
Brake element. C. L. Eksergian. 2,255,024; Sept. 2.
Brake for baby carriages, Automatic. J. Teska. 2,254,632; Sept. 2.
Brake for baby carriages, Automatic safety. J. F. Snyder. 2,254,786; Sept. 2.
Brake for winches, Safety. J. M. Benson. 2,254,989; Sept. 2.
Brake shoe. L. F. Moore. 2,254,950; Sept. 2.
Braking system. C. V. Gardiner. 2,254,890; Sept. 2.
Braking system controlled by steering mechanism. A. N. Milster. 2,254,902; Sept. 2.
Brush. G. A. Mutch. 2,254,235; Sept. 2.
Brush, Electric contact. J. F. Ehlers. 2,254,277; Sept. 2.
Brush, Rotary. B. Festini. 2,254,677; Sept. 2.
Buffing machine, Bottle. A. J. Weiss. 2,254,671; Sept. 2.
Burner control system. V. R. Tate. 2,254,983–4; Sept. 2.
Burner for liquid fuel. J. L. Breese. 2,254,930; Sept. 2.
Button and signal device, Combined clothing. J. A. H. Lang. 2,254,966; Sept. 2.
Button processing machine. L. T. Foster and M. W. Reck. 2,254,479; Sept. 2.
Button, Reinforced plastic. L. R. Carley. 2,254,418; Sept. 2.
Button, Reinforced plastic. F. G. Purinton. 2,254,445; Sept. 2.
Button, Reinforced plastic. F. G. Purinton. 2,254,447; Sept. 2.
Button, Reinforced plastic staple. F. G. Purinton. 2,254,446; Sept. 2.
Button, Tack. L. R. Carley. 2,254,417; Sept. 2.
Cabinet: *See*—
Medicine cabinet.
Cabinet construction. G. F. Forsthoefel. 2,254,604; Sept. 2.
Cable layer. O. W. Sjogren and G. E. Gerold. 2,254,324; Sept. 2.
Calculating and recording machine, Combined. H. A. Foothorap. 2,254,694; Sept. 2.
Camera attachment. A. W. Morton. 2,254,489; Sept. 2.
Can closure applying tool. G. E. Nelson. 2,254,577; Sept. 2.
Can opener. F. K. Krag. 2,254,533; Sept. 2.
Candle perfumer. B. S. Petrulis. 2,254,906; Sept. 2.
Cap remover. F. Mildner and J. Slovak. 2,254,826; Sept. 2.
Carbon black, Production of. F. J. Harlow. 2,254,572; Sept. 2.
Carbon monoxide from mixtures thereof with hydrogen, Removal of. K. Erdmann. 2,254,799; Sept. 2.
Carbonylic compounds, Production of saturated. S. H. McAllister and W. A. Bailey, Jr. 2,254,615; Sept. 2.
Carburetor. M. Mallory. 2,254,850; Sept. 2.
Carburetor. G. Tomsic. 2,254,634; Sept. 2.
Carburetor control, Dual. O. C. Betry. 2,254,834; Sept. 2.
Card, Score. O. S. Butler. 2,254,773; Sept. 2.
Carrier: *See*—
Cigarette carrier. Storage battery carrier.
Case: *See*—
Key case.
Casing, Clock. E. L. Carlson. 2,254,599; Sept. 2.
Caster construction, Adjustable. C. R. Nalle. 2,254,973; Sept. 2.
Caster mounting. W. F. Herold. 2,254,651; Sept. 2.
Catalyst and process for producing vinyl acetate and ethylidene diacetate. J. G. Dinwiddie. 2,254,212; Sept. 2.
Catalysts, Treatment of spent. F. M. McMillan and G. S. Parsons. 2,254,618; Sept. 2.
Cellulose derivatives, polyvinyl compounds, or polymerized acrylic esters. W. H. Moss. 2,254,904; Sept. 2.
Cement. S. G. Saunders and H. Morrison. 2,254,321; Sept. 2.
Chaff raiser, Oscillating. J. A. Meals. 2,254,576; Sept. 2.
Chain: *See*—
Cutter chain.
Chair: *See*—
Stadium chair.
Chuck. W. J. Breth. 2,254,588; Sept. 2.
Cigarette carrier. W. C. Heyer. 2,254,608; Sept. 2.
Circuit: *See*—
Balanced high frequency circuit. Subscriber line circuit.
Circuit arrangement, Phase changing electrical. S. W. H. W. Falloon and G. Millington. 2,254,734; Sept. 2.
Circuit breaker. C. D. Lake and W. Pfaff. 2,255,012; Sept. 2.
Circuit connection, Secondary. E. A. Mallett. 2,254,436; Sept. 2.
Circuit recloser, Automatic. C. W. Latimer. 2,254,704; Sept. 2.
Circuits, Electric valve control. H. de B. Knight. 2,254,703; Sept. 2.
Clamp: *See*—
Pressing machine clamp.
Cleaner: *See*—
Suction cleaner.
Vacuum cleaner. Windshield cleaner.
Clip: *See*—
Film holding clip.
Clip. G. I. Miller. 2,254,620; Sept. 2.
Clip for hair waving apparatus. H. C. Schlicker. 2,254,627; Sept. 2.
Clip to keep in engagement the ends of shoestrings or other fasteners. H. P. Okie. 2,254,579; Sept. 2.
Clock, Electric. J. E. Eshbaugh and D. W. Randolph. 2,254,476; Sept. 2.
Clockwork apparatus and new portable gas or vapor watch. J. L. Reutter. 2,254,858; Sept. 2.
Closure arrangement for opening of sheet-metal containers. M. W. Williams. 2,254,924; Sept. 2.
Closure, Venting. H. A. Barnby and J. M. Wheaton. 2,254,815; Sept. 2.
Clutch: *See*—
Belt clutch.
Electromagnetic multiple-disk clutch.
Coating apparatus. H. P. Kirchner, R. L. Melton, and R. C. Benner. 2,254,531; Sept. 2.
Coating apparatus. A. B. Peterson. 2,254,301; Sept. 2.
Coin control. J. W. Srodulski. 2,254,327; Sept. 2.
Coin control device. C. A. Toce, R. F. Broussard, and W. Holland. 2,254,460; Sept. 2.
Coppapsible structure. T. Elias. 2,254,930; Sept. 2.
Commutator, Electronic. O. T. Francis. 2,254,279; Sept. 2.
Compass, Magnetic. K. E. Kunze and T. L. Soo-Hoo. 2,254,610; Sept. 2.
Composition of matter. F. A. McCann. 2,254,301; Sept. 2.
Compression tool. L. H. Burns. 2,254,416; Sept. 2.
Compressor, Rotary. B. Dick and F. H. Stroup. 2,254,938; Sept. 2.
Computing and printing machine. O. J. Sundstrand. 2,254,760; Sept. 2.
Concrete form, Monolithic. W. H. Jenkins. 2,254,529; Sept. 2.
Concrete mixer. M. L. Andrae. 2,254,639; Sept. 2.
Concrete placement apparatus. C. Jackson. 2,254,743; Sept. 2.
Concrete, Reinforced. F. Emperger. 2,255,022; Sept. 2.
Condenser, Lint. G. C. Morgan. 2,254,951; Sept. 2.
Contact maker, Rotary electric. C. H. H. Rodanet. 2,255,002; Sept. 2.
Container: *See*—
Cosmetic container. Flexible cable container.
Container. M. Scharmett. 2,254,453; Sept. 2.
Container for spices and the like. W. F. Punte. 2,254,581; Sept. 2.
Container manufacture. R. W. von Sydow and W. E. Sody. 2,254,336; Sept. 2.
Continuous hydrator. W. J. Kuntz. 2,254,688; Sept. 2.
Continuously operating centrifuge. A. E. Sorenson. 2,254,455; Sept. 2.
Control and quench valve, Combination. E. T. Dahl. 2,254,472; Sept. 2.
Control device. E. J. Dillman. 2,255,021; Sept. 2.
Control device. C. P. Pepper. 2,254,709; Sept. 2.
Control device, Pneumatic. C. B. Moore. 2,254,621; Sept. 2.
Control for monorail systems, Automatic. F. C. Harris and C. deV. Miller. 2,254,285; Sept. 2.
Control machine for diesinking or the like, Electric tracer. E. R. Lochman. 2,254,229; Sept. 2.
Control mechanism, Valve. L. G. Daniels. 2,254,795; Sept. 2.
Control of electric switches. K. Nakayama. 2,254,707; Sept. 2.
Control of two-way telephone systems. A. C. Dickieson. 2,254,733; Sept. 2.
Control record for accounting machines. J. W. Bryce. 2,254,931; Sept. 2.
Control system. H. Bany and W. P. Simpson. 2,254,724; Sept. 2.
Control system. W. G. Cook. 2,254,886; Sept. 2.
Control system, Generating electric traction. R. M. Dilworth. 2,254,475; Sept. 2.
Controller, Sequential. R. E. Bassett, Jr. 2,254,509; Sept. 2.
Conveyer. A. G. Rose. 2,254,860; Sept. 2.
Conveyer for classifiers. A. E. Johnson. 2,254,804; Sept. 2.
Conveyer mechanism. C. G. Joa. 2,254,290; Sept. 2.
Cooler. F. T. Powers. 2,254,807; Sept. 2.
Cooling system for electric devices. E. Schröder. 2,254,917; Sept. 2.
Corn popping apparatus. C. J. Cretors. 2,254,271; Sept. 2.
Corncob holder. J. A. Mooney. 2,254,305; Sept. 2.
Cosmetic container. M. E. Lessin. 2,254,300; Sept. 2.
Coupling: *See*—
Flexible coupling. Universal coupling.
Pipe coupling.
Cover assembly, Cooking vessel. R. W. Hailey. 2,254,570; Sept. 2.
Cover for centrifugal machines employed in the extraction of sugar from sugar bearing materials. C. A. Olcott. 2,254,388; Sept. 2.

Cow tail holder. E. A. Wodrich. 2,254,465; Sept. 2.
Crossing signal, Highway. R. L. Cooper and V. R. Thompson. 2,254,774; Sept. 2.
Crusher. A. W. Fahrenwald. 2,254,425; Sept. 2.
Cultivator distributor attachment. D. D. Clyburn. 2,254,675; Sept. 2.
Cup, Trophy. E. R. Gill. 2,254,802; Sept. 2.
Curler, Hair. M. Bergmann. 2,254,816; Sept. 2.
Curler, Hair. M. D. Cannon. 2,254,266; Sept. 2.
Curler, Hair. W. H. Hermsdorf. 2,254,527; Sept. 2.
Curlers, Hair. N. W. Norman. 2,254,239; Sept. 2.
Cushion. H. C. Follis. 2,254,603; Sept. 2.
Cutoff applying means. H. M. Ratley and A. C. Lind. 2,254,394; Sept. 2.
Cutoff mechanism for headers. B. D. Rider. 2,254,316; Sept. 2.
Cutter and scraper, Combined. C. Lindsey. 2,254,969; Sept. 2.
Cutter chain. W. T. McCullough. 2,254,747; Sept. 2.
Cutting implement. D. Baltuch. 2,254,199; Sept. 2.
Cutting device. H. D. Battershell. 2,254,413; Sept. 2.
Cutting machine. A. Laukhuff. 2,254,374; Sept. 2.
Cutting tool. H. Gamache. 2,254,738; Sept. 2.
Cylinder head. F. R. Hensel and E. I. Larsen. 2,254,944; Sept. 2.
Cylinders and the like, Conditioning. C. W. Latham. 2,254,208; Sept. 2.
Decalcomania. F. W. Humphner. 2,254,428; Sept. 2.
Dental flask, Anatomical. J. E. Wagner. 2,254,556; Sept. 2.
Device for breaking pavements. T. L. Ferguson. 2,254,477; Sept. 2.
Device for closing of containers, coupling of tubes, etc. H. T. H. Andresen. 2,254,559; Sept. 2.
Device for supporting tires in vulcanizers. J. H. Zimmerman. 2,254,926; Sept. 2.
Device for use in the aftertreatment of artificial silk. J. Uytenbogaart. 2,254,251; Sept. 2.
Device for scanning films. H. Rinia. 2,254,624; Sept. 2.
Diamond dressing tool and dressing grinding wheels. J. L. Petrie. 2,254,392; Sept. 2.
Diesel fuels from tars, Obtaining. F. Schick. 2,254,322; Sept. 2.
Diestock, Ratchet. C. H. Ingwer. 2,255,009; Sept. 2.
Direction indicator. P. E. Schneider. 2,254,916; Sept. 2.
Discharge device. S. Aoki. 2,254,722; Sept. 2.
Discharge device. J. E. Beggs. 2,254,726–7; Sept. 2.
Discharge device, Double wall. W. W. Watrous, Jr. 2,254,922; Sept. 2.
Discharge device, Fluid-cooled. W. C. White. 2,254,719; Sept. 2.
Disconnecting contact. H. H. Rugg. 2,254,914; Sept. 2.
Disintegrator, Paint. L. E. Wirth. 2,254,925; Sept. 2.
Dispensing apparatus. J. B. Brock. 2,254,208; Sept. 2.
Display and match package holder, Combined. G. O. Lebrenz. 2,254,968; Sept. 2.
Display device. A. R. Will. 2,254,810; Sept. 2.
Display rack. D. H. Bitney. 2,254,770; Sept. 2.
Display rack. G. R. Eaton. 2,254,646; Sept. 2.
Distribution system, Electrical. H. Gottheimer. 2,254,280; Sept. 2.
Doll eye and making the same. S. Marcus. 2,254,232; Sept 2
Doll eyes, Manufacture of. S. Marcus. 2,254,231; Sept. 2.
Dolly for semitrailers, Conversion. G. L. Knox. 2,254,532; Sept. 2.
Door: *See*—
Folding door.
Door construction, Locomotive. M. P. Blomberg. 2,254,470; Sept. 2.
Door seal for furnaces with protective atmosphere. G. P. Lessmann. 2,254,900; Sept. 2.
Draft regulating apparatus. R. A. Walker. 2,254,505; Sept. 2.
Drainage for slab roadways. F. L. Carswell and O. W. Schmidt. 2,254,885; Sept. 2.
Dredge. B. E. Wheeler. 2,254,464; Sept. 2.
Drink mixer. T. B. Myers. 2,254,236; Sept. 2.
Drum controllers, Remote control of. E. Frisch. 2,254,942; Sept. 2.
Duffel bag. F. J. O'Brien. 2,254,578; Sept. 2.
Dumper, Box stack. J. W. Stevenson. 2,254,550; Sept. 2.
Duplex facsimile. R. R. Haugh. 2,254,803; Sept. 2.
Duplicating process and preparation of master copies for use therein. A. L. Hess and J. Bjorksten. 2,254,483; Sept. 2.
Dyestuffs, Orthodihydroxy azo. R. Fleischhauer, P. Zervas, and A. Müller. 2,254,602; Sept. 2.
Electric conversion. G. T. Southgate. 2,254,247; Sept. 2.
Electric discharge apparatus. E. Bruce. 2,254,264; Sept. 2
Electric furnace. W. Roth. 2,254,913; Sept. 2.
Electric immersion heater. T. Stiebel. 2,254,330; Sept. 2
Electric motor vehicle. J. Tjaarda. 2,254,552; Sept. 2.
Electric sign. L. A. Rice. 2,254,315; Sept. 2.
Electric switch. J. Bierenfeld. 2,254,768; Sept. 2.
Electric switch. G. R. Blakesley. 2,254,347; Sept. 2.
Electric switch. F. D. Bryant and W. R. Young. 2,254,729; Sept. 2.
Electrical contact, Insulated. H. A. Wilcox. 2,254,720; Sept 2
Electrical instrument. R. M. Smith and K. Riesz. 2,254,920; Sept. 2.
Electrode. A. P. Hauel. 2,254,286; Sept. 2.
Electrode, Resistance welding. R. A. Gilbert. 2,254,696; Sept. 2.
Electrode, Roll welding. L. Kennon. 2,254,657; Sept. 2.
Electrode support. E. A. Reuter. 2,254,857; Sept. 2.
Electrodes, Producing selenium coated. C. Kreutzer. 2,254,429; Sept. 2.
Electromagnetic multiple-disk clutch. A. Ryba. 2,254,625; Sept. 2.
Electron device using hollow resonator. H. Döring. 2,254,796; Sept. 2.
Electron discharge apparatus. E. Bruce. 2,254,265; Sept. 2.
Electron discharge device. J. D. McGee. 2,254,617; Sept. 2.
Electron multiplier. D. Gabor. 2,254,422; Sept. 2.
Electroresponsive device, Time element. T. L. H. Butterfield. 2,254,730; Sept. 2.
Emulsifying clarifier vitalizer. P. J. Chappelle. 2,254,565; Sept. 2.
Engine: *See*—
Internal combustion engine.
Engine synchronization. C. I. MacNeil. 2,254,970; Sept. 2.
Eraser. R. G. Roesch. 2,254,874; Sept. 2.
Eraser attachment for typewriters. G. H. Hutaff, Jr. 2,254,683; Sept. 2.
Esters of cellulose, Preparing higher fatty acid. G. D. Hiatt and C. L. Crane. 2,254,652; Sept. 2.
Ethers containing peroxides, Distillation of. W. C. Winning. 2,254,404; Sept. 2.
Ethyl cellulose, Manufacture of. R. W. Swinehart and A. T. Maasberg. 2,254,249; Sept. 2.
Excavator. E. T. Humphrey. 2,254,742; Sept. 2.
Exhaust machine and protecting exhaust systems. D. Mullan. 2,254,905; Sept. 2.
Extractor press. W. G. Fleming. 2,254,517; Sept. 2.
Eyeglass construction. G. E. Nerney. 2,254,749; Sept. 2.
Eyeglass protector. K. O. Turner. 2,254,669; Sept. 2.
Fabric. J. R. Wylde and H. A. Swift. 2,254,339; Sept. 2.
Fabric cleaning machine. W. S. MacLelland, Jr. 2,254,691; Sept. 2.
Fastening device. E. Prestinari. 2,254,873; Sept. 2.
Fastening element and making same. I. A. Williams. 2,254,558; Sept. 2.
Feeding device. E. Travis. 2,254,585; Sept. 2.
Feeding mechanism for seal-stamping machines. F. L. Stoffel. 2,254,401; Sept. 2.
Feeding mechanism for sewing machines. F. M. Card. 2,254,794; Sept. 2.
Fertilizer manufacture. F. G. Keenen and W. H. Sachs. 2,255,026–7; Sept. 2.
Fibers resembling wool, Producing artificial staple. P. Esselmann and F. Davidshöfer. 2,254,777; Sept. 2.
Fibrous materials, Dyeing of. W. Kling, E. Goette, K. Heide, and H. Gerstner. 2,254,965; Sept. 2.
Filling feeler. H. Lachance. 2,254,535; Sept. 2.
Film holding clip. G. M. Dye. 2,254,798; Sept. 2.
Fingerprint card or sheet holder. E. Kessick. 2,254,530; Sept. 2.
Flame hardening. C. Mott and M. L. Whaley. 2,254,307; Sept. 2.
Flashlight and battery unit therefor. C. P. Deibel. 2,254,474; Sept. 2.
Flashlight attachment. M. J. Zimmer. 2,254,257; Sept. 2.
Flexible cable container. J. L. Krieg. 2,254,534; Sept 2.
Flexible coupling. E. S. Cornell, Jr. 2,254,566; Sept. 2.
Floating water wheel. F. Doverspike. 2,254,645; Sept. 2.
Floor covering. G. R. Cunnington. 2,254,210; Sept. 2.
Flour as to color and content, Testing ash. E. Bauer. 2,255,034; Sept. 2.
Fluid container and package. B. Dick. 2,254,936; Sept. 2.
Fluid pump. W. J. Mattox. 2,254,539; Sept. 2.
Fluid-tight joint. C. J. Beaver and E. L. Davey. 2,254,958; Sept. 2.
Folding door. D. R. Stuart. 2,254,583; Sept. 2.
Footwear, Lasting. J. S. Kamborian. 2,254,224; Sept. 2.
Fountain, Poultry watering. C. A. Tornell. 2,254,584; Sept. 2.
Fractionating tower. W. Kaplan. 2,254,370; Sept. 2.
Framework for metallic vessels. E. J. Benthem. 2,254,561; Sept. 2.
Fruit in hermetically sealed containers, Packaging. W. Perlman. 2,254,580; Sept. 2.
Fruit, Treating. R. H. Higby. 2,255,025; Sept. 2.
Fuel burning heater. G. L. Welstead. 2,254,864; Sept. 2.
Fuel tank mounting for tractors. C. E. Frudden and W. F. Strehlow. 2,254,359; Sept. 2.
Furnace: *See*—
Electric furnace. Metal melting furnace.
Heat treating furnace.
Furnace. R. R. Harris. 2,254,481; Sept. 2.
Garbage receptacle stand. N. J. Laige. 2,254,898; Sept. 2.
Garment. J. C. Bertolami. 2,254,929; Sept. 2.
Gas and liquid contact apparatus. M. W. Ditto. 2,254,600; Sept. 2.
Gas discharge lamp and method of making. C. W. Hunt and D. S. Gustin. 2,254,945; Sept. 2.
Gas lift valve. C. V. Temple. 2,254,631; Sept. 2.

Gauging apparatus. W. F. Aller. 2,254,812; Sept. 2.
Gauging apparatus. L. F. Poock and W. F. Aller. 2,254,313; Sept. 2.
Gauging device. W. F. Aller. 2,254,259; Sept. 2.
Gear: *See*—
Aircraft landing gear. Railway truck break gear.
Gearing, Engine starter. Y. Sekella. 2,255,015; Sept. 2.
Generator: *See*—
Acetylene gas generator. Sawtooth wave generator.
Inductor generator. Signal impulse generator.
Oscillation generator.
Glass composition and product thereof. E. D. Tillyer, H. R. Moulton, and T. M. Gunn. 2,254,633; Sept. 2.
Glass tempering method and apparatus. E. J. Lewis. 2,254,227; Sept. 2.
Glass trimming device, Sheet. E. E. Nordgren. 2,254,541; Sept. 2.
Golf club. W. V. Hoare. 2,254,528; Sept. 2.
Governor, Turbine. J. C. Garrott. 2,254,520; Sept. 2.
Grab. P. J.-M. T. Allard. 2,255,033; Sept. 2.
Grids for use in electron discharge devices, Manufacture of. J. D. McGee. 2,254,616; Sept. 2.
Grinding mill. C. P. Brasington. 2,254,512; Sept. 2.
Grinding wheel feeding mechanism. H. A. Silven. 2,254,784; Sept. 2.
Gum refining. W. C. Smith, J. O. Reed, F. P. Veitch, and G. P. Shingler. 2,254,785; Sept. 2.
Gun turret for aircraft. L. G. Frise. 2,254,678; Sept. 2.
Hammer, Electric. M. W. Kroll. 2,254,823; Sept. 2.
Handle: *See*—
Utensil handle.
Handle. G. H. Wheary, Jr. 2,254,506; Sept. 2.
Handlebar construction. G. E. Nerney. 2,254,750; Sept. 2.
Hay retainer for stackers. H. E. Wickett. 2,254,923; Sept. 2.
Head for fire hoses and the like. R. P. Paradise. 2,254,751; Sept. 2.
Heat exchange device and deflector therefor. C. T. Perkins. 2,254,258; Sept. 2.
Heat exchanger. R. H. Nelson. 2,254,383; Sept. 2.
Heat treating apparatus. H. W. Jones. 2,254,700; Sept. 2.
Heat treating apparatus. L. W. Young. 2,254,701; Sept. 2.
Heat treating furnace. J. H. Germany. 2,254,891; Sept. 2.
Heater: *See*—
Electric immersion heater. Fuel burning heater.
Heating apparatus. E. B. George. 2,254,801; Sept. 2.
Heating unit. A. Barnsteiner and E. H. Lockwood. 2,254,880; Sept. 2.
Heel fitting machine. L. J. Bazzoni. 2,254,346; Sept. 2.
Hides and skins, Fat-liquoring of tanned. W. W. Stapler. 2,254,713; Sept. 2.
High-chair pad. L. Albert. 2,254,466; Sept. 2.
High voltage switch. E. F. Baldwin. 2,254,560; Sept. 2.
Hinge means. W. M. Dwyer. 2,254,356; Sept. 2.
Hoist, Safety. J. W. Richards and C. V. Tondreau. 2,254,910; Sept. 2.
Holder: *See*—
Corncob holder. Lamp holder.
Cow tail holder. Rug corner holder.
Fingerprint card sheet holder.
Hollow bodies from cellulose products and other substances, Producing highly lustrous. K. Bratring. 2,254,263; Sept. 2.
Honing tool. H. B. Barrett. 2,254,508; Sept. 2.
Hood for attachment to diamond tools. J. L. Petrie. 2,254,393; Sept. 2.
Hosiery, Working an endless rubber band into the welts of. G. Vogel. 2,255,031; Sept. 2.
House number, Illuminated. C. S. Nelson. 2,254,829; Sept. 2.
Housing and support for gas cylinders. I. L. Tucker. 2,254,954; Sept. 2.
Humidifying device. P. F. Seibold. 2,254,500; Sept. 2.
Hydraulic drive for pumps or compressors. W. Wirth. 2,254,811; Sept. 2.
Hydraulic press. I. F. Matthysse. 2,254,613; Sept. 2.
Hydraulic system. J. E. Holveck. 2,254,848; Sept. 2.
Hydrocarbon oils, Selective extraction of. P. J. Gaylor. 2,254,364; Sept. 2.
Hydrocarbons, Catalytic treatment of. C. L. Thomas. 2,254,553; Sept. 2.
Hydrocarbons, Catalytic treatment of. C. L. Thomas. 2,254,555; Sept. 2.
Hydrocarbons, Conversion of. C. G. Gerhold. 2,254,522; Sept. 2.
Hydrocarbons from carbon monoxide and hydrogen, Production of. W. Michael and W. Jaeckh. 2,254,748; Sept. 2.
Hydrocarbons from carbon monoxide and hydrogen, Producing. W. Michael. 2,254,806; Sept. 2.
Illuminating attachment for the entrances of buildings. W. A. Gray. 2,254,842; Sept. 2.
Impedance, Variable. L. Hammond. 2,254,366; Sept. 2.
Index card and holder. H. U. Doebler. 2,254,889; Sept. 2.
Index, Loose-leaf filing. W. F. D. Ackermann. 2,254,987; Sept. 2.
Index strips, Making. C. F. Wolters and R. M. Ellis. 2,255,019; Sept. 2.
Indicating pointer. C. H. H. Rodanet. 2,255,003; Sept. 2.
Indicator: *See*—
Direction indicator. Wind direction indicator.
Pressure indicator.
Indicator for the cooling liquid of internal combustion engines. E. J. Richley. 2,254,859; Sept. 2.
Inductor generator. B. H. Smith. 2,254,919; Sept. 2.
Information device. A. R. Johnson and C. E. Watson. 2,254,871; Sept. 2.
Ink for glass. J. C. Wilson. 2,254,865; Sept. 2.
Innertray shifting for visible index systems. G. C. Bruen. 2,254,728; Sept. 2.
Insect killing device. J. F. Kubalek. 2,254,948; Sept. 2.
Insect repellant containing aliphatic alcohols. A. W. Ralston and J. P. Barrett. 2,254,665; Sept. 2.
Insole. M. O. Schur and E. M. Archer. 2,254,711; Sept. 2.
Insulation material, Laminated. M. S. Randall. 2,254,856; Sept. 2.
Insulating means for heated bodies. H. E. Kettlewell. 2,254,964; Sept. 2.
Insulator. E. F. Riesing. 2,254,783; Sept. 2.
Intercommunicating system. R. T. Fitzpatrick. 2,254,736; Sept. 2.
Internal combustion engine. S. B. Bienker. 2,254,817; Sept. 2.
Internal combustion engine. P. J. De Hetre and R. R. Haley. 2,254,775; Sept. 2.
Internal combustion engine. J. J. McCarthy. 2,254,438–9; Sept. 2.
Internal combustion engine of cross-head type, Multicylinder, single-acting, two-stroke-cycle. H. C. H. Andresen. 2,254,410; Sept. 2.
Iron: *See*—
Steam-discharging pressing iron.
Iron and steel, Treating. E. C. Smith and G. T. Motok. 2,255,016; Sept. 2.
Irrigation pump. H. A. E. Johnsen. 2,255,001; Sept. 2.
Joint: *See*—
Universal joint.
Joint assembly unit, Pavement. D. H. Bitney. 2,254,769; Sept. 2.
Ketones of the sterol series, Preparing. M. Bockmühl, G. Ehrhart, and H. Ruschig. 2,254,562; Sept. 2.
Key case. S. D. Schell. 2,254,582; Sept. 2.
Keyboard indicating device. C. F. H. Rupp. 2,254,547; Sept. 2.
Keyboard locking device. H. L. Tholstrup. 2,255,029–30; Sept. 2.
Knitted article and knitting same. J. M. Allen. 2,254,409; Sept. 2.
Knitting reel. A. L. Benson. 2,254,468; Sept. 2.
L-head for Diesel engines, Precombustion. P. Simsich. 2,254,628; Sept. 2.
Lamp: *See*—
Photoflash lamp. Ultraviolet discharge lamp.
Sanctuary lamp.
Lamp assembly. B. S. Floraday. 2,254,518; Sept. 2.
Lamp bracket. H. Z. Benton. 2,254,790; Sept. 2.
Lamp element and making same. C. H. Fulp. 2,254,362; Sept. 2.
Lamp fixture, Electric. E. E. Lotto. 2,254,375; Sept 2
Lamp holder, Fluorescent. A. G. Mueller and J. M. Pistey. 2,254,706; Sept. 2.
Lamp housing. D. J. La Bounty. 2,254,808; Sept. 2.
Lamp socket, Fluorescent. H. Hubbell and J. F. Healy, Jr. 2,254,222; Sept. 2.
Land leveling machine. R. Bowlin. 2,254,414; Sept. 2.
Latex and product, Preserving. T. S. Carswell. 2,254,267; Sept. 2.
Layout table. H. N. Livingston. 2,254,689; Sept. 2.
Leakage indicator composition. W. W. Kinzer. 2,254,609; Sept. 2.
Lens and making same, Multifocal. H. R. Moulton. 2,254,440; Sept. 2.
Lens systems, Unitary. L. Harris. 2,254,961; Sept. 2.
Lens systems, Unitary. L. Harris and R. E. Bitner. 2,254,962; Sept. 2.
Lift. L. F. Jaseph. 2,254,699; Sept. 2.
Lift for wells, Bellows type stage. A. Boynton. 2,254,207; Sept. 2.
Lift, Hydraulic fire foam. J. S. Adams. 2,254,879; Sept. 2.
Light: *See*—
Marine light.
Light, Electric source of. Z. Bay and G. Szigeti. 2,254,957; Sept. 2.
Light with adjustable head. J. Tuller. 2,254,715; Sept. 2.
Lighting fixture. W. E. Gaskill. 2,254,679; Sept. 2.
Lighting for mirrors. K. C. Welch. 2,254,718; Sept. 2.
Lightening arrester. M. Barbat, Jr. 2,254,673; Sept. 2.
Loader, Hydraulic. R. R. Love. 2,254,690; Sept. 2.
Loads to idling generators, Method and means for adding large. T. Raukewitsch. 2,254,896; Sept. 2.
Lock. S. S. Karavia. 2,254,702; Sept. 2.
Lock for automobile doors, Safety. L. M. Castle. 2,254,419; Sept. 2.
Loom selvage device. C. D. Brown. 2,254,868; Sept. 2.
Lubricant. J. M. Musselman. 2,254,490; Sept. 2.
Lubricant, Halogenated. W. A. Whittier. 2,254,337; Sept. 2.
Lubricating apparatus. G. F. Thomas and J. Bystricky. 2,254,502; Sept. 2.

Lubricating apparatus, Making. G. F. Thomas and J. Bystricky. 2,254,503; Sept. 2.
Lubricating method and apparatus therefor. W. M. Zaikowsky. 2,254,341; Sept. 2.
Luminescent material. G. Aschermann. 2,254,956; Sept. 2.
Lure, Fish. A. Sisco. 2,254,981; Sept. 2.
Machine for and method for forming hollow glassware. E. G. Bridges. 2,254,992; Sept. 2.
Machine for finishing gears. E. A. Overstedt. 2,254,240; Sept. 2.
Machine for gassing and closing can bodies. A. M. Cameron. 2,254,819; Sept. 2.
Machine for making cranial roentgenographs. G. T. Plotz and T. W. Maves. 2,254,544; Sept. 2.
Machine for manufacturing coil springs. H. B. Hathaway and B. Heilman. 2,254,525; Sept. 2.
Machine for shaping uppers over lasts. B. Jorgensen. 2,254,309; Sept. 2.
Machine or apparatus for shaping metal tubes, containers, and the like. J. A. Dove. 2,254,275; Sept. 2.
Machine tool. L. F. Poock and W. F. Aller. 2,254,312; Sept. 2.
Magnetic display device and making same. J. H. Scharf. 2,254,498; Sept. 2.
Magnetic pump. E. M. Lieberman. 2,254,432; Sept. 2.
Magnetic system. A. Hansen, Jr. 2,254,698; Sept. 2.
Manhole top, Expansion. A. O. Tomek. 2,254,668; Sept. 2.
Manufacture and production of fine metal and alloy powders. A. R. Powell. 2,254,976; Sept. 2.
Manufacture of wire fabrics. O. C. Scherfel. 2,254,396; Sept. 2.
Marine light. G. W. Adams. 2,254,988; Sept. 2.
Mat, Bath tub and shower. N. F. Schloss. 2,254,830; Sept. 2.
Match book. H. T. Roberts. 2,254,545; Sept. 2.
Material for and method of heat treating. F. J. Steigerwald. 2,254,328; Sept. 2.
Material unwinding, guiding, and tensioning structure. R. E. Zeruneith. 2,254,255; Sept. 2.
Measuring and cutting device. B. J. Wolfe. 2,254,763; Sept. 2.
Measuring apparatus, Indicating. A. Righi. 2,254,242; Sept. 2.
Measuring instrument having capsules. C. H. H. Rodanet. 2,255,005; Sept. 2.
Measuring of cross talk, Automatic. E. P. Felch, Jr. 2,254,601; Sept. 2.
Medicine cabinet. S. M. Levine. 2,254,431; Sept. 2.
Medicinal product. V. D. Vangunten. 2,254,636; Sept. 2.
Metal articles, Removing foreign matter from. G. H. Orozco. 2,254,492; Sept. 2.
Metal composition, Sintered. L. Small. 2,254,549; Sept. 2.
Metal melting furnace. F. Tharaldsen. 2,254,809; Sept. 2.
Metal working machine, Sheet. J. Jensen. 2,254,289; Sept. 2.
Metals, Separation of. E. Junker and W. Leitgebel. 2,254,805; Sept. 2.
Metalworking. J. M. Christman. 2,254,674; Sept. 2.
Meter: *See*—
Watt-hour demand meter.
Method and apparatus for controlling intermittent fluid flow. D. M. Ashkenas. 2,254,833; Sept. 2.
Method and apparatus for making and processing soap. B. Clayton. 2,254,996; Sept. 2.
Method and apparatus for quick freezing. W. M. Zarotschenzeff. 2,254,406; Sept. 2.
Method and means for applying patches to foundation material. W. F. Grupe. 2,254,217; Sept. 2.
Method and means for testing the adjustment of photographic objectives. H. Rühle and A. Roell. 2,254,548; Sept. 2.
Method and product of cottonseed extraction. H. Rosenthal. 2,254,245; Sept. 2.
Method of and apparatus for producing hollow bodies. K. Bratring. 2,254,262; Sept. 2.
Metering device. T. B. Doe. 2,254,274; Sept. 2.
Milk waste, Treatment of. E. E. Pittman and R. R. Bottoms. 2,254,241; Sept. 2.
Mill: *See*—
Grinding mill.
Mixer: *See*—
Concrete mixer. Drink mixer.
Mold. G. C. Kohl and M. Guyot. 2,254,295; Sept. 2.
Molding articles, Method of. C. E. Wooddell. 2,254,254; Sept. 2.
Moldings, Securing. B. C. Place. 2,254,310–11; Sept. 2.
Mop. J. B. Gilsdorf. 2,254,648; Sept. 2.
Motor: *See*—
Valve operated motor. Wind motor.
Motor control and brake system. L. G. Riley. 2,254,911; Sept. 2.
Motor control, Metal rolling mill. T. A. Wood. 2,254,338; Sept. 2.
Motor control system. G. E. King and W. F. Eames. 2,254,897; Sept. 2.
Motor control system. L. Mirow. 2,254,903; Sept. 2.
Motor for grease guns, Fluid pressure. J. J. Veit. 2,254,716; Sept. 2.
Motor starting system, Alternating-current. F. Auld. 2,254,928; Sept. 2.
Motor vehicle. F. C. Best. 2,254,261; Sept. 2.
Motor vehicle. W. R. Griswold. 2,254,282; Sept. 2.
Motor vehicle. M. Olley. 2,254,491; Sept. 2.
Motor vehicle. F. W. Slack and C. C. Utz. 2,254,325; Sept. 2.
Motor vehicle. M. Tibbetts. 2,254,332; Sept. 2.
Motor vehicle. J. G. Vincent. 2,254,334–5; Sept. 2.
Mount for quartz lamps. D. S. Gustin and G. A. Freeman. 2,254,845; Sept. 2.
Mounting: *See*—
Caster mounting. United needle mounting.
Ophthalmic mounting. Vehicle wheel mounting.
Mounting for vehicle wheels. A. Ronning. 2,254,451; Sept. 2.
Mounting vibratile bodies. I. E. Grosdoff. 2,254,843; Sept. 2.
Mowing apparatus. J. P. Pieler. 2,254,444; Sept. 2.
Musical instrument, Electric. G. W. Demuth. 2,254,840; Sept. 2.
Musical instrument, Electrical. J. M. Hanert. 2,254,284; Sept. 2.
Necktie. F. O. C. Brown. 2,254,993; Sept. 2.
Nozzle, Suction. A. A. Forsberg. 2,254,363; Sept. 2.
Nozzle, Suction. G. W. Norrick and G. A. Peterson. 2,254,442; Sept. 2.
Nut production, Clinch. W. F. Cousino. 2,254,644; Sept. 2.
Oil gauge rod. A. F. Naples and S. Lando. 2,254,662; Sept. 2.
Oil, Lubricating. E. Lieber. 2,254,433; Sept. 2.
Oil, Lubricating. E. Segessemann. 2,254,756; Sept. 2.
Oils, Conversion of hydrocarbon. K. Swartwood. 2,254,551; Sept. 2.
Ophthalmic mounting. E. M. Splaine. 2,254,456; Sept. 2.
Ophthalmic mounting. J. W. Welsh. 2,254,637; Sept. 2.
Optical article for assisting vision. J. H. Line. 2,254,746; Sept. 2.
Ores, Treatment of ferriferous. K. Koller and Z. Galocsy. 2,254,660; Sept. 2.
Organic compound. J. S. H. Davies. 2,254,354; Sept. 2.
Organic material, Continuous treatment of exhausted solvent-impregnated solid agglutinative. M. Bonotto. 2,254,867; Sept. 2.
Orientator, Full automatic. E. W. Carroll. 2,254,594; Sept. 2.
Oscillation generator. R. L. Miller. 2,254,852; Sept. 2.
Oscillation generator, Thermionic valve. H. Grayson. 2,254,739; Sept. 2.
Overshoe, Rubber. W. C. Jackson. 2,254,685; Sept. 2.
Packing machine. D. W. Molins and F. Parry. 2,254,971; Sept. 2.
Pad: *See*—
High-chair pad. Protective pad.
Padding for ironing and pressing apparatus. E. O. Dayton. 2,254,567; Sept. 2.
Paddle wheel. C. H. H. Rodanet. 2,255,004; Sept. 2.
Paper roll support. C. Fischer. 2,254,735; Sept. 2.
Papermaking machine. H. L. Kutter. 2,254,297; Sept. 2.
Pavement joint assembly unit. D. H. Bitney. 2,254,771; Sept. 2.
Peanut butter, Solidified. H. Weisgurt and D. R. van Horn. 2,255,032; Sept. 2.
Pen tips, Material for. M. R. Pickus. 2,254,975; Sept. 2.
Phase selector. K. C. Ripley. 2,254,243; Sept. 2.
Phenols, Recovery of. J. Jannek. 2,254,745; Sept. 2.
Phonograph. E. C. Guedon. 2,254,844; Sept. 2.
Phonograph, Automatic. D. Robins. 2,254,546; Sept. 2.
Phonograph pickup, Electric. C. E. Semple, Jr., and F. J. Malat. 2,254,454; Sept. 2.
Phonograph recording device. J. R. Fouch. 2,254,519; Sept. 2.
Phonographic apparatus. E. C. Conrad. 2,254,839; Sept. 2.
Photoflash lamp. M. J. N. de Margitta. 2,254,888; Sept. 2.
Photoflash lamp. R. L. Kreidler. 2,254,849; Sept. 2.
Photographic objective. L. Bertele. 2,254,511; Sept. 2.
Photographic objective. H. Nerwin. 2,254,537; Sept. 2.
Piezo-crystal device. M. Klein. 2,254,371; Sept. 2.
Piezoelectric crystal element. C. F. Baldwin and S. A. Bokovoy. 2,254,866; Sept. 2.
Pigment. S. S. Rossander and H. E. Woodward. 2,254,395; Sept. 2.
Pigment material and producing same. R. W. Sullivan. 2,254,630; Sept. 2.
Pipe coupling. R. J. Fisher. 2,254,997; Sept. 2.
Piston construction, Master cylinder. B. Dick. 2,254,937; Sept. 2.
Piston for internal combustion engines. E. B. Graham. 2,255,006; Sept. 2.
Piston ring. H. P. Phillips. 2,254,753; Sept. 2.
Plate finishing machine. J. F. Wilson. 2,255,018; Sept. 2.
Plug: *See*—
Spark plug.
Plug for electric cords, Contact. H. M. Reece. 2,254,754; Sept. 2.
Porous masses, Densifying and solidifying. L. S. Wertz. 2,254,252; Sept. 2.

Power controlling means for locomotives. W. R. Elsey. 2,254,357; Sept. 2.
Power plant, Steam. H. Gleichmann. 2,254,424; Sept. 2.
Power-supply system. W. H. Aldous and D. C. Espley. 2,254,721; Sept. 2.
Power transmission. H. C. Nye and H. L. Wise. 2,254,708; Sept. 2.
Power transmission. E. L. Rose. 2,254,319; Sept. 2.
Press: *See*—
Extractor press. Hydraulic press.
Pressing machine clamp. W. A. Hoch. 2,254,653; Sept. 2.
Pressure indicator. L. Kennon. 2,254,656; Sept. 2.
Pressure operated valve, Automatic. S. T. Williams. 2,254,253; Sept. 2.
Pressure retainer and releasing device. E. H. Wittenberg. 2,254,557; Sept. 2.
Printer, Photographic. C. W. Adams. 2,254,878; Sept. 2.
Printing apparatus, Photographic. M. Weiss. 2,254,717; Sept. 2.
Process. R. W. Nash. 2,254,237; Sept. 2.
Projector, Mechanical. J. E. Scally. 2,254,496; Sept. 2.
Protective composition. D. Cascio. 2,254,471; Sept. 2.
Protective pad. C. J. Boyle. 2,254,883; Sept. 2.
Protector: *See*—
Eyeglass protector. Radiator protector.
Pull-feed mechanism for sewing machines. W. Myers. 2,254,779; Sept. 2.
Pulley block. F. S. Linn. 2,254,828; Sept. 2.
Pulley, Variable-pitch. O. Mitchell. 2,254,380; Sept. 2.
Pulse delay relay. T. Aamodt. 2,254,589; Sept. 2.
Pump: *See*—
Fluid pump. Magnetic pump.
Irrigation pump. Well pump.
Pump. H. Müller and A. Pischinger. 2,254,441; Sept. 2.
Pump. D. W. Randolph and R. H. Bigler. 2,254,495; Sept. 2.
Pump closure, Sanitary. C. L. Allen. 2,254,408; Sept. 2.
Pump unloading mechanism. N. E. Brigham and J. E. Holveck. 2,254,884; Sept. 2.
Raceway-and-hopper assemblage. S. L. Gookin. 2,254,215; Sept. 2.
Rack: *See*—
Display rack.
Radiator protector. F. Swanda. 2,254,459; Sept. 2.
Radio direction finding. J. B. P. H. Galle. 2,254,943; Sept. 2.
Radio tuning apparatus. H. Z. Benton and L. P. Morris. 2,254,789; Sept. 2.
Railway signaling system. S. G. Raber. 2,254,908; Sept. 2.
Railway truck brake gear. E. G. Busse. 2,254,514; Sept. 2.
Receiver. W. F. Curtis. 2,254,211; Sept. 2.
Receiving system, Ultra high frequency. W. S. Halstead. 2,254,218; Sept. 2.
Receptacle and mounting, ash. J. Visser. 2,254,861; Sept. 2.
Record controlled machine. J. W. Bryce. 2,254,933; Sept. 2.
Recording apparatus. T. B. Gibbs. 2,254,649; Sept. 2.
Recording device, Call. A. F. von Soden. 2,254,504; Sept. 2.
Recording device, Sound. A. Badmaieff. 2,254,412; Sept. 2.
Recording machine. C. D. Lake and F. E. Hamilton. 2,255,011; Sept. 2.
Recording machine. M. D. and J. M. Markley, Jr. 2,254,661; Sept. 2.
Recovery process, Acid. S. A. Ballard. 2,254,788; Sept. 2.
Reel: *See*—
Knitting reel. Wire reel.
Thread advancing reel.
Refrigerating apparatus. E. Cleveland. 2,254,420; Sept. 2.
Refrigerating apparatus. R. J. Elsinger and R. J. Ridge. 2,254,593; Sept. 2.
Refrigerating apparatus. H. W. Kleist. 2,254,225; Sept. 2.
Refrigeration. W. H. Kitto. 2,254,658; Sept. 2.
Refrigeration apparatus. A. A. Quimper. 2,254,780; Sept. 2.
Refrigerating apparatus. C. S. Trigg. 2,254,635; Sept. 2.
Refrigerator, Mechanical. E. A. Burns. 2,254,837; Sept. 2.
Regrooving tool, Tire. E. Olson and E. S. Johnson. 2,254,974; Sept. 2.
Regulator: *See*—
Voltage regulator.
Reinforced box. F. R. Mueller. 2,254,381; Sept. 2.
Relay system. E. Friedländer. 2,254,941; Sept. 2.
Relay, Reverse Power. E. M. Ashworth and F. F. Ambuhl. 2,254,411; Sept. 2.
Relief valve, Automobile tire pressure. E. Hollowell. 2,254,655; Sept. 2.
Repeater station. J. B. Maggio. 2,254,377; Sept. 2.
Resilient roller. P. A. Solem. 2,254,501; Sept. 2.
Resistor. J. W. Conklin and A. Meneely. 2,254,838; Sept. 2.
Ring: *See*—
Piston ring.
Road surfaces, Constructing and reconstructing. I. M. Wells and H. A. Olds. 2,254,463; Sept. 2.
Rod: *See*—
Oil gauge rod.
Roller leveler. R. T. Todd. 2,254,461; Sept. 2.
Rolls, Cutting and baking. C. E. Stainbrook. 2,254,759; Sept. 2.
Rug corner holder. W. H. Porter and C. M. Porter. 2,254,623; Sept. 2.
Rust prevention. G. Endres. 2,254,940; Sept. 2.
Safety circuit for cathode ray tubes. E. G. Gage. 2,254,214; Sept. 2.
Safety control. R. E. Zerunelth. 2,254,256; Sept. 2.
Safety device, Railroad. D. Guerrero. 2,254,607; Sept. 2.
Safety knife bar latch for paper cutters. F. Barney. 2,254,467; Sept. 2.
Safety steering wheel. F. Baker. 2,254,640; Sept. 2.
Salt bath, Casehardening. P. H. Kramer. 2,254,296; Sept. 2.
Sanctuary lamp. M. A. Quinlan. 2,254,664; Sept. 2.
Sawing machine. A. Kachlert. 2,254,293; Sept. 2.
Sawtooth wave generator. R. Andrieu. 2,254,344; Sept. 2.
Scanning system, Electro-optical. C. F. Mattke. 2,254,614; Sept. 2.
Scoop attachment for tractors. M. E. Jones. 2,254,292; Sept. 2.
Screen cleaning gun. C. A. Ricou. 2,254,979; Sept. 2.
Screen supporting fixture, Fireplace. J. B. Turner. 2,254,333; Sept. 2.
Screw assembly for electrical apparatus. D. J. Holleran. 2,254,288; Sept. 2.
Seal. C. C. Edgar. 2,254,568; Sept. 2.
Seed cleaning apparatus. C. C. Le Suer and S. O. Evans. 2,254,430; Sept. 2.
Seal, Glass-to-copper. I. E. Mouromtseff and G. M. Dinnick. 2,254,853; Sept. 2.
Selection system, Receiver. R. E. Zenner. 2,254,342; Sept. 2.
Selvage device for looms. C. D. Brown. 2,254,869; Sept. 2.
Separator and cleaner, Seed and grain. V. H. Ballmann. 2,254,345; Sept. 2.
Septic tank. J. W. Swanson. 2,254,761; Sept. 2.
Service insulator. G. C. Price. 2,254,978; Sept. 2.
Servo brake mechanism for vehicles. G. R. G. Gates. 2,254,908; Sept. 2.
Sewage disposal system and apparatus therefor. H. S. Thomas. 2,254,953; Sept. 2.
Shade, Vehicle window. T. C. Gallagher. 2,254,647; Sept. 2.
Shaft packing. A. W. Hubbell. 2,254,573; Sept. 2.
Shaft seal for centrifugal machines. R. M. Watson, W. H. Church, and M. Haeberlein. 2,254,862; Sept. 2.
Shank and yoke connection, Coupler. W. J. Metzger. 2,254,302; Sept. 2.
Shaping and truing machine, Tire tread. P. E. Hawkinson. 2,254,526; Sept. 2.
Sharpener, Pencil. J. K. Burleigh and L. Schwartz. 2,254,772; Sept. 2.
Sharpener, Shear. E. G. Gereau. 2,254,999; Sept. 2.
Sheeting, Cellulosic. F. P. Alles. 2,254,200; Sept. 2.
Sheets and films, Method and apparatus for the production of. W. Bender. 2,254,203; Sept. 2.
Shiftable mounting for electric vehicle motors. H. D. Seelinger. 2,254,499; Sept. 2.
Shock absorber. T. G. Rabbitt. 2,254,781; Sept. 2.
Shoe and shoe heel. A. Cocozella. 2,254,353; Sept. 2.
Shoes, Making. R. R. Campbell. 2,254,351; Sept. 2.
Shoemaking. J. F. Hardy. 2,254,367; Sept. 2.
Shoemaking. S. P. Lovell. 2,254,228; Sept. 2.
Side bearing. E. H. Blattner. 2,254,791; Sept. 2.
Sign: *See*—
Electric sign.
Signal: *See*—
Crossing signal. Traffic signal.
Signal impulse generator, Television synchronizing. O. H. Schade. 2,254,626; Sept. 2.
Signal means, Vehicle. C. Genda. 2,254,569; Sept. 2.
Signal storage apparatus, Telegraph. H. Angel and J. W. Robinson. 2,254,814; Sept. 2.
Signaling circuits. R. F. Spamer. 2,254,398; Sept. 2.
Signaling system, Service. W. H. Clehm. 2,254,643; Sept. 2.
Sintering machine. E. W. Shallock. 2,254,323; Sept. 2.
Skate. T. R. Ronish. 2,254,450; Sept. 2.
Skate, Motor driven ice. O. F. Russell. 2,254,320; Sept. 2.
Ski construction. S. C. Brown. 2,254,818; Sept. 2.
Skiing track, Elastic artificial. M. Heller. 2,254,482; Sept. 2.
Slicing machine, Band blade. W. W. Hartman. 2,254,524; Sept. 2.
Socket wrench. F. B. Honchock. 2,254,681; Sept. 2.
Solder feeder for soldering irons. H. J. Gardner. 2,254,521; Sept. 2.
Solvent, Nonflammable. J. Bjorksten. 2,254,469; Sept. 2.
Sorting machine. M. Maul. 2,254,901; Sept. 2.
Sound producing apparatus. M. F. Miller. 2,254,488; Sept. 2.
Spark plug. H. Rabezzana. 2,254,494; Sept. 2.
Spindle mounting for carriers. W. D. Foster. 2,254,605; Sept. 2.
Splicing machine, Tube. W. J. Breth and M. L. Engler. 2,254,596; Sept. 2.
Spooling machine. E. J. Hubbard. 2,254,220-1; Sept. 2.

Spring construction. R. Y. Millar. 2,254,379; Sept. 2.
Spring suspension. Non-rearing-up automobile. P. Heftler. 2,254,287; Sept. 2.
Sprinkling apparatus. W. H. Coles, B. J. Nelson, and B. Jennings. 2,254,270; Sept. 2.
Stabilizing agent for oxygen-containing per-compounds. O. Lind and H. Colonius. 2,254,434; Sept. 2.
Stacking mechanism. C. G. Joa. 2,254,291; Sept. 2.
Stadium chair. G. F. Ivey. 2,254,684; Sept. 2.
Stage construction. A. F. Grot. 2,254,650; Sept. 2.
Stand: *See*—
Garbage receptacle stand.
Statistical machine. J. W. Bryce. 2,254,932; Sept. 2.
Steam boiler, Water tube. P. H. Koch. 2,254,226; Sept. 2.
Steam boiler, Water tube. I. L. Langvand. 2,254,373; Sept. 2.
Steam-discharging pressing iron. F. A. Miller. 2,254,851; Sept. 2.
Stemming dummy for shooting coal. F. Yakes, Jr. 2,254,405; Sept. 2.
Still. A. I. Newman. 2,254,538; Sept. 2.
Stockings in a single operation, Producing. K. Röder. 2,255,014; Sept. 2.
Stockings, Making. K. Röder. 2,254,244; Sept. 2.
Stove. E. D. Stirlen. 2,254,248; Sept. 2.
Strainer. T. Wheatley. 2,254,402; Sept. 2.
Stretching and drying frame, Garment. J. Van C. Dimelow. 2,254,273; Sept. 2.
Strip-dispensing mechanism for coil-wrapping machines. H. W. Brown. 2,254,934; Sept. 2.
Subscriber line circuit. L. H. Allen. 2,254,723; Sept. 2.
Substituted-1,3-dioxanes. M. Senkus. 2,254,876; Sept. 2.
Suction cleaner. R. C. Osborn. 2,254,663; Sept. 2.
Suction cleaner. D. G. Smellie. 2,254,666; Sept. 2.
Sugar bearing material, Temperature conditioning of. C. A. Olcott. 2,254,390; Sept. 2.
Sugar-bearing materials, Conditioning. C. A. Olcott. 2,254,387; Sept. 2.
Sugar-bearing materials, Preventing the dilution of. C. A. Olcott. 2,254,389; Sept. 2.
Sugar-bearing materials, Treating. C. A. Olcott. 2,254,386; Sept. 2.
Sunshade, Vehicle. F. Judge and C. A. Donovan. 2,254,947; Sept. 2.
Supercharger. L. M. Archambeau. 2,254,927; Sept. 2.
Support: *See*—
Electrode support. Paper roll support.
Surgical dressing. L. T. Sawyer. 2,254,915; Sept. 2.
Suspensory for undergarments. G. J. Weihe. 2,254,863; Sept. 2.
Switch: *See*—
Antenna switch. Time delay switch.
Electric switch. Tire deflation indicator switch.
High voltage switch.
Switch. L. V. Kimmell. 2,254,294; Sept. 2.
Sound reproduction and apparatus therefor. F. H. Fodor. 2,254,478; Sept. 2.
Synchronizing apparatus and system. E. Pearson. 2,254,493; Sept. 2.
Syringe and protective sheath, Injection. R. E. Rasmussen. 2,254,449; Sept. 2.
System for maintaining constant rotational speed of electric machines. W. Laubenheimer and O. Schmutz. 2,254,899; Sept. 2.
Table: *See*—
Layout table.
Tabulating machine or the like. B. Léger, F. Dussaillant, F. Bessier, and F. Boyer. 2,254,299; Sept. 2.
Take-up mechanism, Quick. R. J. Olander. 2,254,385; Sept. 2.
Tampon. J. R. Crockford. 2,254,272; Sept. 2.
Tamping machine or apparatus. C. Jackson. 2,254,744; Sept. 2.
Tank: *See*—
Septic tank.
Tapping fixture. V. Grey. 2,254,281; Sept. 2.
Target. M. Ziel. 2,254,986; Sept. 2.
Target apparatus. N. E. Squire. 2,254,952; Sept. 2.
Teeth, Method and apparatus for molding artificial. H. Wienand. 2,254,638; Sept. 2.
Telephone system. R. F. Mallina. 2,254,378; Sept. 2.
Television broadcast system. A. V. Loughren. 2,254,435; Sept. 2.
Television system. A. D. Blumlein. 2,254,204; Sept. 2.
Temperature regulator. J. L. Harris. 2,254,960; Sept. 2.
Temperature responsive control. W. H. Hutchins. 2,254,484; Sept. 2.
Tensioning and guide device for ironing cords. F. P. Yett. 2,254,955; Sept. 2.
Testing apparatus and method, Concentration. J. H. Starr. 2,254,399; Sept. 2.
Testing apparatus, Battery. B. F. W. Heyer. 2,254,846; Sept. 2.
Testing machine, Record material. E. André. 2,254,197; Sept. 2.
Testing system and method, Concentration. J. H. Starr. 2,254,400; Sept. 2.
Textile material. A. S. Bell. 2,254,881; Sept. 2.
Thermal timer for automatic toasters. M. Ireland. 2,254,946; Sept. 2.
Thermometer, Simulated amusement. J. F. Meyer. 2,254,619; Sept. 2.
Thermostat. L. J. Koci. 2,254,687; Sept. 2.
Thread advancing reel. G. P. Torrence, R. F. Bergmann, and W. F. Knebusch. 2,255,017; Sept. 2.
Thread control mechanism for sewing machines. C. F. Rubel. 2,254,875; Sept. 2.
Thread, yarn, fabric, and production, Composite rubber-textile. T. L. Shepherd. 2,254,712; Sept. 2.
Tie plate and rail anchor. M. L. and H. C. Meyer. 2,254,540; Sept. 2.
Time delay switch, Liquid flow. J. A. Reid. 2,254,710; Sept. 2.
Time recorder. C. D. Lake. 2,255,010; Sept. 10.
Timing device. F. Loeffler. 2,254,536; Sept. 2.
Tire construction. C. G. Hoover. 2,254,778; Sept. 2. Sept. 2.
Tire, Cooker. D. Boyd and H. E. Fenner. 2,254,415; Sept. 2.
Tire deflation indicator switch. C. W. Johnston. 2,254,223; Sept. 2.
Tire, Replaceable thread. T. J. Stephens. 2,254,329; Sept. 2.
Tire, Tractor. G. Ankland. 2,254,787; Sept. 2.
Tires with ribs of different compositions, Forming. M. C. Overman. 2,254,622; Sept. 2.
Tone arm. R. Daily. 2,254,732; Sept. 2.
Tool: *See*—
Can closure applying tool. Machine tool.
Cutting tool. Regrooving tool.
Compression tool. Trap setting tool.
Honing tool.
Tool. O. Warwick. 2,254,586; Sept. 2.
Toothbrush, Convertible. E. E. Griffith and E. M. Story. 2,254,365; Sept. 2.
Torch tips, Making. F. H. Smith. 2,254,757–8; Sept. 2.
Toy, Mechanical. J. S. Larkins, Jr. 2,254,967; Sept. 2.
Traction device. L. O. E. Roessel. 2,254,318; Sept. 2.
Tractor. C. E. Frudden and W. F. Strehlow. 2,254,358; Sept. 2.
Tractor rear assembly. C. E. Frudden and W. F. Strehlow. 2,254,360; Sept. 2.
Traffic signal. W. H. Ebert. 2,254,676; Sept. 2.
Trailer, Built-in folding. A. Marney. 2,254,437; Sept. 2.
Trailer coupling for bicycles. A. A. Dubay. 2,254,797; Sept. 2.
Transformer, Welding. M. O. Perry. 2,254,309; Sept. 2.
Transfusion apparatus. R. A. Butland. 2,254,994; Sept. 2.
Transmission system, Signal. J. H. Bollman. 2,254,205; Sept. 2.
Transmitter, Microphonic. R. W. Bonner and H. M. Kirschbaum. 2,254,206; Sept. 2.
Transmitting mechanism, Motion. K. H. Andren. 2,254,766; Sept. 2.
Trap setting tool. G. C. Middleton. 2,254,825; Sept. 2.
Tray, Ice. J. H. Miner. 2,254,827; Sept. 2.
Tray, Wardrobe. J. H. Plotkin. 2,254,543; Sept. 2.
Truck, Lift. W. Stuebing, Jr. 2,254,331; Sept. 2.
Truck structure, Railway. E. G. Busse. 2,254,513; Sept. 2.
Truck, Wheel. C. R. Caslake. 2,254,564; Sept. 2.
Tube: *See*—
Discharge tube. Vacuum tube.
Tube with electron multiplier, Grid controlled. W. Burstyn. 2,254,793; Sept. 2.
Tubes and the like, Cleaning. C. E. Simmons. 2,254,980; Sept. 2.
Tubular structures, Forming. R. M. Bergstein. 2,254,510; Sept. 2.
2(P-nicotinylaminobenzenesulphonamide) pyridine, Preparing. E. H. Stuart. 2,254,877; Sept. 2.
Typewriting and like machine. R. G. Thompson. 2,254,921; Sept. 2.
Typewriting machine. H. C. Yaeger. 2,254,764; Sept. 2.
Ultraviolet discharge lamp. H. C. Rentschler and R. Nagy. 2,254,909; Sept. 2.
United needle mounting. V. Anderson. 2,254,201; Sept. 2.
Universal coupling. W. L. Kauffman, II. 2,254,486; Sept. 2.
Universal joint. A. J. Mollart and J. C. Hendra. 2,254,972; Sept. 2.
Unloader, Shipping drum. S. S. Roberts. 2,254,317; Sept. 2.
Urethanes, Preparing. W. Gündel. 2,254,283; Sept. 2.
Utensil handle. R. W. Hailey. 2,254,571; Sept. 2.
Vacuum cleaner. G. E. Lofgren. 2,254,611; Sept. 2.
Vacuum cleaner. C. H. Taylor. 2,254,667; Sept. 2.
Vacuum control for transmissions. W. B. Barnes. 2,255,020; Sept. 2.
Vacuum tube. P. Ehlert. 2,254,692; Sept. 2.
Valve: *See*—
Gas lift valve. Relief valve.
Pressure operated valve. Water valve.
Valve. W. C. Buttner and H. L. Norway. 2,254,209; Sept. 2.
Valve. W. L. Church. 2,254,268; Sept. 2.
Valve. E. E. Eickmeyer and A. G. Horvath. 2,254,421; Sept. 2.
Valve. F. H. Hehemann. 2,254,427; Sept. 2.
Valve. W. M. Zaikowsky. 2,254,340; Sept. 2.
Valve mechanism for rock drills. G. H. Fuehrer. 2,254,695; Sept. 2.

Valve operated motor, Electric. M. Stöhr. 2,254,714; Sept. 2.

Vehicle: *See*—
Electric motor vehicle. Motor vehicle.

Vehicle. W. Swallow. 2,254,457–8; Sept. 2.

Vehicle wheel. C. E. Frudden. 2,254,361; Sept. 2.

Vehicle wheel mounting. A. Ronning. 2,254,452; Sept. 2.

Vending apparatus. B. W. Fry. 2,254,737; Sept. 2.

Vending machine. C. Gabrielsen. 2,254,841; Sept. 2.

Vending mechanism, Shift container. R. Z. Greene and C. Gabrielson. 2,255,007; Sept. 2.

Venetian blind. C. W. Morse. 2,254,705; Sept. 2.

Vibrator, Hopper. H. R. Pursel. 2,254,448; Sept. 2.

Viewer, Microfilm. J. K. Holbrook. 2,254,368; Sept. 2.

Viscosity control device. A. L. Kronquest. 2,254,575; Sept. 2.

Voltage apparatus, Impulse. W. H. Boldingh. 2,254,836; Sept. 2.

Voltage regulator. M. Schwaiger. 2,254,918; Sept. 2.

Wardrobe, Mothproof. P. B. Ellis. 2,254,276; Sept. 2.

Washing apparatus. E. K. Clark and F. Breckenridge. 2,254,269; Sept. 2.

Washing machine. K. Clark. 2,254,515; Sept. 2.

Washing machine. G. P. Large. 2,254,824; Sept. 2.

Washing machine. A. O. Long. 2,255,028; Sept. 2.

Water valve. A. J. Nicholas. 2,254,308; Sept. 2.

Watt-hour demand meter. G. W. Rosenberger. 2,254,912; Sept. 2.

Wax from oil, Separating paraffin. H. G. Berger, G. M. Fisher, and F. C. Ruff. 2,254,597; Sept. 2.

Waxing apparatus, Floor. R. C. McCune. 2,24,487; Sept. 2.

Welding method and apparatus, Vessel. A. M. Brown. 2,254,792; Sept. 2.

Welding system. J. H. Blankenbuehler. 2,254,882; Sept. 2.

Well head assembly. A. J. and K. T. Penick. 2,254,752; Sept. 2.

Well-pump. G. L. Thompson and L. A. Cejka. 2,254,554; Sept. 2.

Wells, Treating. G. E. Ostrom. 2,254,443; Sept. 2.

Wheel: *See*—
Floating water wheel. Safety steering wheel.
Paddle wheel. Vehicle wheel.

Wheel assembly, Dual. C. S. Ash. 2,254,198; Sept. 2.

Wheel control for airplanes, Caster. F. L. Darling. 2,254,935; Sept. 2.

Wheel disks, Making. G. A. Lyon. 2,254,376; Sept. 2.

Wheel suspension for motor vehicles, Front. E. A. Johnson. 2,254,822; Sept. 2.

Wind direction indicator. W. W. Harvey. 2,254,680; Sept. 2.

Wind motor. B. Grundhalt. 2,254,892; Sept. 2.

Windrower. H. A. Arnold. 2,254,672; Sept. 2.

Windshield cleaner. W. E. Zierer. 2,254,343; Sept. 2.

Wire reel. R. Prang. 2,254,977; Sept. 2.

Wire wrapping method. O. Thiel. 2,254,762; Sept. 2.

Wood stain, Azo dye. D. E. Kvalnes. 2,254,372; Sept. 2.

Work stopping device for blanking dies. A. Kowalski. 2,254,659; Sept. 2.

Wrench: *See*—
Socket wrench.

Yarn and cord, and the cord, Making heat resisting. A. W. Hansen and W. F. Guinan. 2,254,741; Sept. 2.

Yarn and cord, Heat resisting. A. W. Hansen and W. F. Guinan. 2,254,740; Sept. 2.

Yarn, Curling. A. L. Johnston, Jr. 2,254,895; Sept. 2.

CLASSIFICATION OF PATENTS

ISSUED SEPTEMBER 2, 1941

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

2— 9: 2,254,669
76: 2,254,929
146: 2,254,993
4— 185: 2,254,830
5— 320: 2,254,423
338: 2,254,603
7— 14.1: 2,254,586
8— 3: 2,254,372
22: 2,254,965
10— 76: 2,254,644
107: 2,254,281
124: 2,255,009
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15— 9: 2,254,663
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18— 5.7: 2,254,638
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147: 2,255,031
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67— 31: 2,254,849
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253: Re.21,895
70— 146: 2,254,702
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74— 7: 2,255,015
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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Ferber, Arthur H., doing business as The Ferbo Co., Madison, N. J. Vanilla food flavoring compound. Serial No. 443,927; Sept. 9. Class 46.
Ferbo Co., The. (See Ferber, Arthur H.)
Fergusson, Alex. C., Co., Philadelphia, Pa. Disinfectants. Serial No. 445,324; Sept. 9. Class 6.
Gates, George W., & Co., Inc., Franklin Square, N. Y. Germicidal ray machines. Serial No. 444,497; Sept. 9. Class 44.
General Printing Ink Corporation, New York, N. Y. Rapid-setting, water repellent, mold and vermin proof adhesives. Serial No. 442,785; Sept. 9. Class 5.
Gilliam, Laurence M., San Anselmo, Calif. Pipe tobacco. Serial No. 433,326; Sept. 9. Class 17.
Giuliano, A. Philip, doing business as Coronet Chemical Company, Allenwood, N. J. Antiseptic powder. Serial No. 445,287; Sept. 9. Class 6.
Gleason Works, The, Rochester, N. Y. Gear cutting tools and blades therefor. Serial No. 445,199; Sept. 9. Class 23.
Globe Hoist Company, Des Moines, Iowa. Hydraulic lifts of the type used in the raising of automobiles for lubrication and servicing purposes. Serial No. 443,841; Sept. 9. Class 23.
Golden Brown Appliance Manufacturing Co., Lynn, Mass. Gas cooking stoves, including food fryers. Serial No. 443,881; Sept. 9. Class 34.
Golden State Company, Ltd., doing business as Golden-V Laboratories, San Francisco, Calif. Vitamins, provitamin concentrates, and fresh milk enriched with vitamins and pro-vitamin concentrates. Serial No. 444,339; Sept. 9. Class 46.
Goldstein, Maurice, New York, N. Y. Shoes. Serial No. 436,995; Sept. 9. Class 39.
Grape 8 Company. (See Van Wyck, Cecil.)
Habif, Moreno, Habana, Cuba. Toilet powder, toilet talc, perfume, etc. Serial No. 439,653; Sept. 9. Class 6.
Helmer, George H., doing business as Badger Gas Products, Platteville, Wis. Liquefied petroleum gas. Serial No. 445,421; Sept. 9. Class 6.
Hollidge, C. Crawford, Ltd., Boston, Mass. Hosiery. Serial No. 424,940; Sept. 9. Class 39.
Honegger, John A., Bloomfield, N. J. Foam-producing compounds. Serial No. 441,470; Sept. 9. Class 4.
House of Marcell, Inc., New York, N. Y. Sachet novelties. Serial No. 443,845; Sept. 9. Class 6.
Huffman Full Fashioned Mills, Inc., Morganton, N. C. Hosiery. Serial No. 444,674; Sept. 9. Class 39.
International Diesel Electric Company, Inc., New York, N. Y. Diesel electric generating sets. Serial No. 440,287; Sept. 9. Class 21.
Johns-Manville Corporation, New York, N. Y. Amorphous silica in powdered form. Serial No. 433,490; Sept. 9. Class 1.
Johns-Manville Corporation, New York, N. Y. Amorphous silica in powdered form. Serial No. 433,572; Sept. 9. Class 1.
Kallman, L. R., doing business as L. R. Kallman & Company. Cosmetic preparation. Serial No. 445,097; Sept. 9. Class 6.
Keep Klean Cover Co. Inc., St. Louis, Mo. Automobile robes. Serial No. 444,002; Sept. 9. Class 42.
Kellogg Company, Battle Creek, Mich. Cereal breakfast foods. Serial No. 442,233; Sept. 9. Class 46.
Labatt, John, Limited, London, Ontario, Canada. Ales, beers, lagers, etc. Serial No. 444,907; Sept. 9. Class 48.
La Cie. Pharmaceutique Desbergers, Montreal, Quebec, Canada. Hematinic iron. Serial No. 445,058; Sept. 9. Class 6.
Lee, T. K., Birmingham, Ala. Sighting device for rifles. Serial No. 444,005; Sept. 9. Class 9.
Lithgow Corporation, Chicago, Ill. Coating materials. Serial No. 444,830; Sept. 9. Class 16.
Lowe Laboratories, Inc., New York, N. Y. Electric fire detecting and alarm apparatus and electric circuit controllers. Serial No. 444,085; Sept. 9. Class 21.
Margulies, Harry M., Chicago, Ill. Pharmaceutical antacid preparation. Serial No. 445,326; Sept. 9. Class 6.
Master Baking Company, Mt. Vernon, Ill. Cake. Serial No. 422,143; Sept. 9. Class 46.
Master Baking Company, Mt. Vernon, Ill. Bread. Serial No. 422,144; Sept. 9. Class 46.
Megowen-Educator Food Company, Lowell, Mass. Bakery products. Serial No. 445,239; Sept. 9. Class 46.
Midwest Manufacturing & Engineering Corp., Boston, Mass. Cigarette cases. Serial No. 443,202; Sept. 9. Class 8.
National Starch Products Inc., New York, N. Y. Gum used as a vehicle for inks for printing textiles. Serial No. 444,276; Sept. 9. Class 11.

New Orleans Brewing Co. Inc., New Orleans, La. Beer. Serial No. 429,316; Sept. 9. Class 48.
Newport Rolling Mill Co., The, Newport, Ky. Processed galvanized ferrous metal sheets. Serial No. 443,667; Sept. 9. Class 14.
Osterbauer, Edwin J., doing business as The Oster-B Bauer Shop, Rockford, Ill. Salt and pepper servers. Serial No. 444,050; Sept. 9. Class 2.
Palmer, J. Frederick, Waukesha, Wis. Moisture-proof, air-tight, and light-tight paper. Serial No. 444,009; Sept. 9. Class 37.
Peanut Products Company, Des Moines, Iowa. Peanut butter. Serial No. 428,199; Sept. 9. Class 46.
Pequest Hosiery Mills, Inc., Belvidere, N. J. Hosiery and other knit goods, namely, underwear, sweaters, gloves, etc. Serial No. 444,126; Sept. 9. Class 39.
Picardy Mills, Inc., Brooklyn, N. Y. Gloves. Serial No. 441,921; Sept. 9. Class 39.
Pickard, Ben, Chicago, Ill. Machineless permanent wave preparation, oil bleach, nail polish, etc. Serial No. 444,012; Sept. 9. Class 6.
Premier Manufacturing & Sales Company, Portland, Oreg. Surfacing machines for dressing the backs of printing plates. Serial No. 444,388; Sept. 9. Class 23.
Princess Elkhorn Coal Company, Paintsville, Ky. Coal. Serial No. 444,354; Sept. 9. Class 1.
Puig y Hermano, Alfredo, Santiago De Cuba, Cuba. Nonalcoholic, maltless beverages, syrups, and concentrates. Serial No. 442,916; Sept. 9. Class 45.
Quasi-Arc Company Limited, The, Westminster, London, England. Metal welding electrodes. Serial Nos. 442,757–8; Sept. 9. Class 14.
Reinsch, Charles, doing business as Cerex Products, New York, N. Y. Pharmaceutical preparations. Serial No. 444,958; Sept. 9. Class 6.
Richard, Jean G., doing business as Whitestone Company Registered, Montreal, Quebec, Canada. Medical preparation. Serial No. 445,157; Sept. 9. Class 6.
Ridgefield Chemical Co. Inc., New York, N. Y. Preparation for the control of fermentation. Serial No. 443,052; Sept. 9. Class 6.
Ridgefield Chemical Co. Inc., New York, N. Y. Preparation for the treatment of pathological conditions. Serial No. 443,053; Sept. 9. Class 6.
Ridgefield Chemical Co. Inc., New York, N. Y. Preparation for use as a mouth wash. Serial No. 443,056; Sept. 9. Class 6.
Rock Hill Woolens, Inc., New York, N. Y. Piece goods of wool, animal fibres, and combinations thereof. Serial No. 443,669; Sept. 9. Class 42.
Rophon, Inc., New York, N. Y. Applicators for applying perfume and the like. Serial No. 441,143; Sept. 9. Class 44.
Schein, Abraham L., New York, N. Y. Pharmaceutical preparations. Serial No. 442,918; Sept. 9. Class 6.
Schnefel Bros. Corporation, Newark, N. J. Nail files and eye brow tweezers. Serial No. 439,496; Sept. 9. Class 44.
Schneider, John Dickinson, The Firm of, Chicago, Ill. Printed, lithographed, and gravure matter such as catalogs, broadsides, booklets, etc. Serial No. 442,154; Sept. 9. Class 38.
Scovill Manufacturing Company, Waterbury, Conn. Common pins, safety pins, veil pins, thimbles, needles, etc. Serial No. 444,420; Sept. 9. Class 40.
Searle, G. D. & Co., Chicago, Ill. Anterior pituitary gonadotropic hormone. Serial No. 444,314; Sept. 9. Class 6.
Sears, Roebuck and Co., Chicago, Ill. Oil filters for internal combustion engines. Serial No. 438,907; Sept. 9. Class 23.
Selrodo Products, Inc., Seattle, Wash. Preparation used for the treatment of symptoms of bronchial asthma and hay fever. Serial No. 445,302; Sept. 9. Class 6.
Shaw, John W., Decatur, Ill. House dresses. Serial No. 439,446; Sept. 9. Class 39.
Shelby Cycle Company, The, Shelby, Ohio. Bicycle. Serial No. 444,357; Sept. 9. Class 19.
Simmons, Edward N., doing business at Simmons Electro-Mend Company, assignor to Simmons Electro-Bend, Inc., Chicago, Ill. Machines for applying patches to socks, shirts, clothing, etc. Serial No. 444,584; Sept. 9. Class 23.
Sinaco Company, Inc., New York, N. Y. Plaques, statues, figures, etc. Serial No. 443,861; Sept. 9. Class 50.
Southern Venetian Blind Manufacturing Co., Columbus, Ga. Venetian blinds. Serial No. 445,509; Sept. 9. Class 32.
Squibb, E. R., & Sons, New York, N. Y. Injection units. Serial No. 422,107; Sept. 9. Class 6.
Stanley Paint & Varnish Co. Inc., Paterson, N. J. Crack filling and surfacing compound. Serial No. 443,093; Sept. 9. Class 16.
Sun Chewing Gum Corporation, New York, N. Y. Chewing gum. Serial No. 434,984; Sept. 9. Class 46.
Sylvania Industrial Corporation, Fredericksburg, Va. Cellulose sausage casings. Serial No. 445,591; Sept. 9. Class 2.
Teca Corporation, New York, N. Y. Bath salts, bath liquids, and chemical supplies. Serial No. 445,309; Sept. 9. Class 6.
Treesweet Products Co., Santa Ana, Calif. Canned fruit juices. Serial No. 444,022; Sept. 9. Class 46.
Tri-Valley Packing Association, San Francisco, Calif. Canned fruits. Serial No. 444,810; Sept. 9. Class 46.
Universal Paper Products Company, Chicago, Ill. Paper cups. Serial No. 433,840; Sept. 9. Class 2.
Van Wyck, Cecil, doing business as Grape 8 Company, Westwood and Hollywood, Calif. Nonalcoholic grape beverage. Serial No. 444,813; Sept. 9. Class 45.
Vega Separator Corporation of America Inc., Minneapolis, Minn. Cream separators. Serial No. 443,444; Sept. 9. Class 23.
Warner, William R., & Co., Inc., New York, N. Y. Synthetic vitamin preparation. Serial No. 444,515; Sept. 9. Class 6.
Wender & Goldstein, Inc., New York, N. Y. Men's trench coats and uniforms. Serial No. 445,074; Sept. 9. Class 39.
Weshcke, Carl. Propagated nursery trees. Serial No. 443,061; Sept. 9. Class 1.
Wyerhaeuser Timber Company, Tacoma, Wash. Pulp used in manufacture of paper. Serial No. 444,168; Sept. 9. Class 1.

LIST OF REGISTRANTS OF TRADE-MARKS

A. B. T. Manufacturing Corp., Chicago, Ill. Air rifles. 390,137; Sept. 9; Serial No. 442,793; published July 1, 1941. Class 9.
Air-Way Electric Appliance Corporation, Toledo, Ohio. Apparatus for cleaning, fumigating and controlling moths, roaches, etc. 390,136; Sept. 9; Serial No. 442,767; published July 1, 1941. Class 23.
Aktiebolaget Tidan, Mariestad, and Leksberg, Sweden. Vulcanized-fiber toothed wheels and pickers for looms. 145,233; renewed July 26, 1941.
Albany Packing Company, Inc., West Albany, N. Y. Meats and meat products. 390,097; Sept. 9; Serial No. 438,063; published July 1, 1941. Class 46.
Alinall Mfg. Co., Worcester, Mass, assignor to National Gypsum Company, Buffalo, N. Y. Interior-wall glazing and coloring. 149,814; renewed Dec. 27, 1941.
Alinall Mfg. Co., Worcester, Mass., assignor to National Gypsum Company, Buffalo, N. Y. Interior warm-water or oil-wall finish. 149,815; renewed Dec. 27, 1941.
Allentuck, David I., doing business as Pictorial Arts, Washington, D. C. Prints of nursery subjects. 390,211; Sept. 9; Serial No. 442,331; published July 1, 1941. Class 38.
American Druggists Syndicate, Inc., Long Island City, N. Y. Drawing salve for boils. 390,073; Sept. 9; Serial No. 424,677; published Apr. 2, 1940. Class 6.
American Laundry Machinery Company, The, Cincinnati, Ohio. Drying machines for laundries. 390,176; Sept. 9; Serial No. 441,530; published July 1, 1941. Class 24.
American Sugar Refining Company, The, Jersey City, N. J., and New York, N. Y., to The American Sugar Refining Company, New York, N. Y. Sugar for use as a food. 146,004; renewed Aug. 30, 1941.
American Thread Company, The, Jersey City, N. J., to The American Thread Company, New York, N. Y. Spool-cotton, sewing-cotton, thread, and cotton yarn. 149,821; renewed Dec. 27, 1941.
Appleton, Raymond W., doing business as Parker-Bouldin Company, St. Paul, Minn. Cosmetics, namely bath salts, scalp lotion, hair oil, etc. 390,125; Sept. 9; Serial No. 441,077; published June 24, 1941. Class 6.
Arden, Elizabeth, Sales Corporation, New York, N. Y. Lipsticks and rouges. 390,171; Sept. 9; Serial No. 441,302; published May 20, 1941. Class 6.
Arden, Elizabeth, Sales Corporation, New York, N. Y. Deodorant stick. 390,188; Sept. 9; Serial No. 441,804; published June 10, 1941. Class 6.
Arkush, Sidney J., doing business as Madame Marva Products Co., St. Louis, Mo. Hair coloring. 390,218; Sept. 9; Serial No. 442,477; published June 17, 1941. Class 6.
Atlantic Blade Corporation, Brooklyn, N. Y. Razors and razor blades. 390,086; Sept. 9; Serial No. 434,694; published July 1, 1941. Class 23.
Atlas Supply Company. (See Gane, Charles L.)
Aurora Laboratories, Inc., Chicago, Ill. Medicinal preparation useful in the treatment of distemper in dogs. 390,212; Sept. 9; Serial No. 442,346; published June 17, 1941. Class 6.
B. V. D. Corporation. (See Regatta Manufacturing Co. Inc.)
Bachmann, Robert A., doing business as Bach Products Co., New York, N. Y. Lubricating jelly for anatomical, clinical, gynecological use. 390,185; Sept. 9; Serial No. 441,758; published June 17, 1941. Class 6.
Baker, William A., Hattiesburg, Miss. Toilet kit. 390,177; Sept. 9; Serial No. 441,562; published July 1, 1941. Class 50.

Banister, James A., Company, Newark, N. J., assignor to The Stetson Shoe Company, Incorporated, South Weymouth, Mass. Shoes and boots. 150,243; renewed Jan. 3, 1942.
Barium and Chemicals, Inc., Willoughby, Ohio. Composition used in conditioning of steel. 390,077; Sept. 9; Serial No. 429,759; published June 24, 1941. Class 6.
Basca Manufacturing Co. Inc., Indianapolis, Ind. Exhaust mufflers. 390,120; Sept. 9; Serial No. 440,907; published July 1, 1941. Class 23.
Bassick Company, The, Bridgeport, Conn. Casters. 149,347–8; renewed Dec. 13, 1941.
Baumritter, T., Co. Inc., New York, N. Y. Furniture. 390,208; Sept. 9; Serial No. 442,299; published July 1, 1941. Class 32.
Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic mountings. 390,108; Sept. 9; Serial No. 439,191; published July 1, 1941. Class 26.
Benzocarb Co., The, Baltimore, Md. Ointment to be applied externally for the relief of eczema and eczematous conditions. 390,219; Sept. 9; Serial No. 442,480; published June 17, 1941. Class 6.
Betner, Benj. C., Co., Devon, Pa. Moisture proof linings or wrappers for paper bags, etc. 390,204; Sept. 9; Serial No. 442,186; published July 1, 1941. Class 37.
Blaw-Knox Company, Pittsburgh, Pa. Portable and permanent steel buildings. 150,256; renewed Jan. 3, 1942.
Block Coal and Coke Company, Inc., Knoxville, Tenn. Coal. 390,199; Sept. 9; Serial No. 442,098; published July 1, 1941. Class 1.
Bowers Battery Mfg. Company, Inc., Reading, Pa. Spark plugs. 390,200; Sept. 9; Serial No. 442,101; published July 1, 1941. Class 21.
Bragg, Paul C., doing business as Live Foods Products Co., Burbank, Calif. Dried mint leaf tea. 390,179; Sept. 9; Serial No. 441,604; published July 1, 1941. Class 46.
Branigan, Green & Co., to Joseph M. Branigan, doing business as Branigan, Green & Co., Baltimore, Md., successor. Clothing. 148,364; renewed Nov. 15, 1941.
Brasci, Joe, doing business as Joe Brasci & Co., Los Angeles, Calif. Preparation for eradicating Johnson grass and roots. 390,213; Sept. 9; Serial No. 442,350; published June 17, 1941. Class 6.
Burrus Mill & Elevator Company. (See Tex-O-Kan Flour Mills Company.)
Calcibrite Corporation, The. (See Caso Incorporated, assignor.)
California Fruit Growers Exchange. (See North Ontario Packing Co.)
California Texas Oil Company, Limited, New York, N. Y. Asphaltic products. 390,095; Sept. 9; Serial No. 438,035; published June 24, 1941. Class 12.
California Valencia Juice Company, Inc., Chicago, Ill. Fruit juices and maltless beverages. 390,121; Sept. 9; Serial No. 440,910; published July 1, 1941. Class 45.
Campana Sales Company, Batavia, Ill. Bath powders, bath crystals, talcum powders, sachets, etc. 390,154; Sept. 9; Serial No. 443,069; published June 17, 1941. Class 6.
Canfield Oil Company, The, Cleveland, Ohio. Motor oil. 390,133; Sept. 9; Serial No. 442,649; published June 24, 1941. Class 15.
Carity Hosiery Company. (See Carlton Trading Company, assignor.)
Carlton Trading Company, New York, N. Y., assignor to Carity Hosiery Company, Philadelphia, Pa. Hosiery. 144,713; renewed July 19, 1941.
Caso Incorporated, Providence, assignor to The Calcibrite Corporation, Pawtucket, R. I. Paints. 390,081; Sept. 9; Serial No. 431,591; published Nov. 12, 1940. Class 16.
Centoni, Gino, doing business as Roma Packing Company, Chicago, Ill. Butter and eggs. 390,085; Sept. 9; Serial No. 434,170; published July 1, 1941. Class 46.
Champ Publishing Company. (See Greenwald, Leo.)
Chase & Sanborn, Boston, Mass., assignor, by mesne assignments, to Standard Brands Incorporated, New York, N. Y. Tea and coffee. 149,876; renewed Dec. 27, 1941.
Chemurgic Corporation, Richmond, Calif. Insecticides. 390,156; Sept. 9; Serial No. 443,115; published June 17, 1941. Class 6.
Chemurgic Corporation, Richmond, Calif. Insecticides. 390,221; Sept. 9; Serial No. 442,518; published June 17, 1941. Class 6.
Cheney Brothers, Manchester, Conn., and New York, N. Y. Piece goods made of silk, rayon, cotton, etc. 390,186; Sept. 9; Serial No. 441,762; published July 1, 1941. Class 42.
Chicago Flexible Shaft Company, Chicago, Ill. Electrical appliances. 390,181; Sept. 9; Serial No. 441,695; published July 1, 1941. Class 21.
Cincinnati Chemical Works, Inc., Cincinnati, Ohio. Dyestuffs. 147,957; renewed Nov. 8, 1941.
Clemens Central Avenue Florist. (See Derricott, Richard R.)
Cleveland Tractor Company, The, Euclid, to The Cleveland Tractor Company, Cleveland, Ohio. Internal-combustion engines. 147,965; renewed Nov. 8, 1941.
Clinton Company, Clinton, Iowa. Soy bean oil and soy bean meal. 390,235; Sept. 9. Class 46.
Colorteck, Inc., New York, N. Y. Natural color photographs. 390,129; Sept. 9; Serial No. 441,232; published June 24, 1941. Class 38.
Commercial Milling Co., Detroit, Mich. Wheat flour. 390,209; Sept. 9; Serial No. 442,307; published July 1, 1941. Class 46.
Cook Paint & Varnish Company, North Kansas City, Mo. Wallpaper. 390,240; Sept. 9. Class 37.
Creese & Cook Co., Danvers, Mass. Calf-leather. 145,065; renewed July 26, 1941.
Daniels, Albert A., doing business as Electrotite Company, Chicago, Ill. Adhesive tape. 390,231; Sept. 9; Serial No. 443,922; published July 1, 1941. Class 5.
Danske Konservesfabrikers Amerika Afdeling, Copenhagen, Denmark. Canned ham, picnic shoulder, pork loin, etc. 390,072; Sept. 9; Serial No. 416,795; published Dec. 12, 1939. Class 46.
Derricott, Richard R., doing business as Clemens Central Avenue Florist, Kansas City, Kans. Potted plants, cut flowers, bouquets, etc. 390,232; Sept. 9. Class 1.
Devoe & Raynolds Company, Inc., New York, N. Y. Oil-paint for flat wall-finish. 146,211; renewed Sept. 6, 1941.
Devoe & Raynolds Company, Inc., New York, N. Y. Paints, enamels, wood-stains, and varnishes. 146,566; renewed Sept. 13, 1941.
Difco Laboratories Incorporated, Detroit, Mich. Pharmacentical preparation. 390,178; Sept. 9; Serial No. 441,569; published June 17, 1941. Class 6.
Doall Company, The, assignor to Savage Tool Company, Minneapolis, Minn. Grinders of the machine tool type. 390,078; Sept. 9; Serial No. 429,766; published July 1, 1941. Class 23.
Dolge, C. B., Company, The, Westport, Conn. Liquid cleaner. 390,074; Sept. 9; Serial No. 427,369; published Apr. 30, 1940. Class 4.
Drug Products Co., Inc., The, Long Island City, N. Y. Vitamin K synthetic substance in water. 390,161; Sept. 9; Serial No. 443,186; published June 17, 1941. Class 6.
Duncan, Cecil T., Quincy, to Cecil T. Duncan, Wollaston, Mass. Toilet, medicinal, and pharmaceutical preparations. 146,213; renewed Sept. 6, 1941.
Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Photographic materials. 390,107; Sept. 9; Serial No. 439,099; published July 1, 1941. Class 26.
Eberly, John A., Mohnton, Pa. Scissors. 390,104; Sept. 9; Serial No. 438,873; published July 1, 1941. Class 23.
Electrotite Company. (See Daniels, Albert A.)
Endo Products, Inc., New York, N. Y. Preparation consisting of an anti-asthmatic tablet. 390,169; Sept. 9; Serial No. 443,561; published June 24, 1941. Class 6.
Eno, J. C., Limited, London, England, assignor, by mesne assignments, to J. C. Eno (U. S.) Limited, Bloomfield, N. J. A saline aperient. 148,010; renewed Nov. 8, 1941.
Expello Corporation, The, Dover, N. H. Liquid perfume for general use except upon the person. 390,168; Sept. 9; Serial No. 443,534; published June 24, 1941. Class 6.
Factor, Max, & Co., Los Angeles, Calif. Cosmetic in the nature of a solidified cream used for a make up base. 390,142–3; Sept. 9; Serial Nos. 442,863–4; published July 1, 1941. Class 6.
Fashion Park, Inc. (See Rosenberg Bros. & Co., assignor.)
Fidelity Chemical Corporation, Touston, Tex. Complete, mixed fertilizer. 390,192; Sept. 9; Serial No. 441,905; published July 1, 1941. Class 10.
Fields, Minnie. (See Melicow, Jacob, assignor.)
Fleet Photo Service, Washington, D. C. Photographic prints. 145,666; renewed Aug. 16, 1941.
Florida Fruit Canners, Inc., Frostproof, Fla. Canned fruit juices. 390,201; Sept. 9; Serial No. 442,118; published July 1, 1941. Class 46.
Foerderer, Robert H., assignor to Robert H. Foerderer, Incorporated, Philadelphia, Pa. Kid, goat, and similar light-weight leathers. 20,219; re-renewed Oct. 13, 1941.
French Battery & Carbon Co., Madison, Wis., by change of name to Ray-O-Vac Company. Dry-cell batteries. 149,925; renewed Dec. 27, 1941.
Fuld Bros., doing business as Lancaster Laboratories, Baltimore, Md. Surfacing wax. 390,155; Sept. 9; Serial No. 443,077; published July 1, 1941. Class 16.
Gane, Charles L., doing business as Atlas Supply Company, Philadelphia, Pa. Steel channels for use in buildings which channels incorporate means adapted to clinch nails. 390,098; Sept. 9; Serial No. 438,072; published July 1, 1941. Class 12.
Gane, Charles L., doing business as Atlas Supply Company, Philadelphia, Pa. Gypsum board units. 390,099; Sept. 9; Serial No. 438,073; published July 1, 1941. Class 12.
General Machinery Corporation. (See Manning, Maxwell & Moore, Inc.)
General Tire & Rubber Company, The, Akron, Ohio. Pneumatic tires for vehicles. 390,252; Sept. 9. Class 35.
Gifford, O. D., San Diego, Calif. Canned olives. 390,163; Sept. 9; Serial No. 443,229; published July 1, 1941. Class 46.

Glascot, Wm. H., & Co., Michigan City, Ind. Skin ointment. 390,075; Sept. 9; Serial No. 428,987; published June 17, 1941. Class 6.

Goldsmith Bros., New York, N. Y. Gummed discs for loose leaf stationery, 390,203; Sept. 9; Serial No. 442,167; published July 1, 1941. Class 37.

Gorton, George E., Crawford, Nebr. Carbonated, non-alcoholic, maltless beverage. 390,153; Sept. 9; Serial No. 443,043; published July 1, 1941. Class 45.

Greenspan, Cantor, Co., Inc., New York, N. Y. Spun rayon piece goods. 390,190; Sept. 9; Serial No. 441,856; published July 1, 1941. Class 42.

Greenwald, Leo, doing business as Champ Publishing Company, New York, N. Y. Periodical publication. 390,194; Sept. 9; Serial No. 441,960; published June 24, 1941. Class 38.

Guttman, Joseph, & Bros., Inc., New York, N. Y. Dresses, blouses, skirts, shirts, etc., knitted. 390,249–50; Sept. 9. Class 39.

Hammermill Paper Company, Erie, Pa. Home recording discs. 390,183; Sept. 9; Serial No. 441,732; published July 1, 1941. Class 36.

Havana Cigar and Tobacco Factories, Ltd., New York, N. Y., to The Havana Cigar and Tobacco Factories, Limited, Jersey City, N. J. Cigars. 150,835; renewed Jan. 10, 1942.

Havana Commercial Company, New York, N. Y., to Havana Commercial Company, Jersey City, N. J. Cigars. 150,837; renewed Jan. 10, 1942.

Hawley, Joseph W., Fort Worth, Tex. Wooden awnings. 390,091; Sept. 9; Serial No. 435,108; published July 1, 1941. Class 12.

Hobart Manufacturing Company, The, Troy, Ohio. Machines for roasting food products. 148,435; renewed Nov. 15, 1941.

Homo Distributing Co., Inc., Buffalo, N. Y. Preparation for the treatment of coughs. 390,087; Sept. 9; Serial No. 434,788; published Dec. 17, 1940. Class 6.

House of Herbs, Inc., Canaan, Conn. Hair rinse. 390,220; Sept. 9; Serial No. 442,491; published June 17, 1941. Class 6.

Humko, Co., The, Memphis, Tenn. Shortening made from vegetable oils. 390,244; Sept. 9. Class 46.

Huntington & Guerry, Incorporated, Greenville, S. C. Certain named electrical apparatus. 144,801; renewed July 19, 1941.

Ideal Novelty & Toy Co., Long Island City, N. Y. Dolls. 390,228–9; Sept. 9; Serial Nos. 443,767–8; published July 1, 1941. Class 22.

Illinois Publishing and Printing Company, Chicago, Ill. Column in a newspaper. 390,245; Sept. 9. Class 38.

Indian Territory Illuminating Oil Company, Bartlesville, Okla. Mechanical instrument for recording data concerning well drilling operations. 390,122; Sept. 9; Serial No. 441,020; published July 1, 1941. Class 20.

Jensen, Georg, Inc., New York, N. Y. Flatware for table use, hollowware for table use, toilet ware, etc. 390,088; Sept. 9; Serial No. 434,873; published July 1, 1941. Class 28.

Jensen, Georg, Inc., New York, N. Y. Flatware and hollowware for table use, toilet ware, etc. 390,089; Sept. 9; Serial No. 434,875; published July 1, 1941. Class 28.

Jensen, Georg, Inc., New York, N. Y. Flatware and hollowware for table use, toilet ware, etc. 390,090; Sept. 9; Serial No. 434,877; published July 1, 1941. Class 28.

Johnson-March Corporation, The, New York, N. Y. Wetting agent for use in wetting of dust. 390,193; Sept. 9; Serial No. 441,913; published June 17, 1941. Class 6.

Joseph & Feiss Company, The, Cleveland, Ohio. Woolen piece goods. 390,239; Sept. 9. Class 42.

Keene's Laboratories Limited, London, England. Toilet preparation for the hands and nails. 390,112; Sept. 9; Serial No. 440,009; published June 24, 1941. Class 6.

Kelley, Mildred I., doing business as Phototorium, Arlington, Calif. Photo contact prints and enlargements. 390,234; Sept. 9. Class 38.

Kelvin, Bottomley & Baird, Limited, Glasgow, Scotland. Sounding tubes. 390,184; Sept. 9; Serial No. 441,735; published July 1, 1941. Class 26.

Kent Hardware Mfg. Corp., New York, N. Y. Rubber stamps. 390,210; Sept. 9; Serial No. 442,323; published July 1, 1941. Class 37.

Laclede-Christy Clay Products Company, St. Louis, Mo. Fire-brick, and fire-tile. 149,982; renewed Dec. 27, 1941.

La Mirada Olive Company, San Francisco, Calif. Canned olives. 390,164; Sept. 9; Serial No. 442,254; published July 1, 1941. Class 46.

Lancaster Laboratories. (See Fuld Bros.)

Lentheric, Incorporated, New York, N. Y. Eau de colognes, perfumes, and cosmetic creams. 390,144; Sept. 9; Serial No. 442,907; published July 1, 1941. Class 6.

Lentheric, Incorporated, New York, N. Y. Vanity cases containing rouges. 390,162; Sept. 9; Serial No. 443,196; published June 17, 1941. Class 6.

Lentheric, Incorporated, New York, N. Y. Perfume, toilet water, and cosmetic creams. 390,170; Sept. 9; Serial No. 443,572; published July 24, 1941. Class 6.

Liberty & Co. Limited, London, England. Clothing. 146,583; renewed Sept. 13, 1941.

Lindsay Ripe Olive Company, Lindsay, Calif. Canned Olives. 390,152; Sept. 9; Serial No. 443,010; published July 1, 1941. Class 46.

Live Foods Products Co. (See Bragg, Paul C.)

Lock-tied Box Company, Inc., New York, N. Y. Blanks for collapsible boxes. 390,233; Sept. 9. Class 37.

Lowrie-Allison Company, Fort Worth, Tex. Casting and fishing floats. 390,243; Sept. 9. Class 22.

Lyman, Henry P., Fort Smith, Ark. Ash trays. 390,113; Sept. 9; Serial No. 440,170; published July 1, 1941. Class 8.

Maconochie Brothers, Limited, London, England. Sauce. 390,134; Sept. 9; Serial No. 442,716; published July 1, 1941. Class 46.

Macy, R. H., & Co., Inc., New York, N. Y. Cosmetic lotions. 390,223; Sept. 9; Serial No. 442,633; published June 17, 1941. Class 6.

Madelaine, Inc., Newark, N. J. Under arm and body liquid spray deodorant. 390,102–3; Sept. 9; Serial Nos. 438,696–7; published June 17, 1941. Class 6.

Mall Tool Company, Chicago, Ill. Power driven saws and flexible shafting. 390,191; Sept. 9; Serial No. 441,874; published July 1, 1941. Class 23.

Maltine Company, The, New York, N. Y. Pharmaceutical preparation more particularly vitamin and iron capsules. 390,160; Sept. 9; Serial No. 443,166; published June 17, 1941. Class 6.

Manning, Maxwell & Moore, Inc., New York, N. Y., assignor, by mesne assignments, to General Machinery Corporation, Hamilton, Ohio. Lathes, planers, slotters, boring-mills, etc. 149,444; renewed Dec. 13, 1941.

Marathon Co., Attleboro, Mass. Jewelry, not including watches. 390,174; Sept. 9; Serial No. 441,478; published July 1, 1941. Class 28.

Marley Company, The, Kansas City, Mo. Liquid cooling towers and parts thereof, especially spray nozzles. 390,251; Sept. 9. Class 31.

Marne, V., San Diego, Calif. Foot powder. 390,071; Sept. 9; Serial No. 412,381; published July 1, 1941. Class 6.

Marshall Field & Company, Chicago, Ill. Cheviots in the piece. 144,843; renewed July 19, 1941.

Marshall Field & Company, Chicago, Ill. Awning-stripes in the piece. 144,844; renewed July 19, 1941.

Marshall Field & Company, Chicago, Ill. Sheets, pillow-cases, and sheeting. 144,847; renewed July 19, 1941.

Marshall Field & Company, Chicago, Ill. Muslin in the piece. 144,853; renewed July 19, 1941.

Martin, C. J., & Sons, Inc., Austin, Tex. Chemical preparation. 390,079; Sept. 9; Serial No. 429,989; published July 30, 1940. Class 6.

Marva, Madame, Products Co. (See Arkush, Sidney J.)

McConnell, W. C., San Benito, Tex. Fresh vegetables. 390,167; Sept. 9; Serial No. 443,511; published July 1, 1941. Class 46.

Melicow, Jacob, assignor to Minnie Fields, New York, N. Y. Predigested food and fermented-milk preparation. 145,140; renewed July 26, 1941.

Miles Laboratories, Inc., Elkhart, Ind. Vitamin tablets. 390,138; Sept. 9; Serial No. 442,796; published July 1, 1941. Class 6.

Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Rugs and carpets. 390,145; Sept. 9; Serial No. 442,964; published July 1, 1941. Class 42.

Moore, John Hudson, Inc., New York, N. Y. Toilet brushes. 390,123; Sept. 9; Serial No. 441,030; published July 1, 1941. Class 29.

Morris, Nathan K., Asbury Park, N. J. Cake and fruit knives. 390,197; Sept. 9; Serial No. 442,070; published July 1, 1941. Class 23.

National Asbestos Mfg. Co., The, Jersey City, N. J., assignor to United States Gypsum Company, Chicago, Ill. Shingles and slates made of asbestos and cement. 145,754; renewed Aug. 16, 1941.

National Automotive Parts Association, Detroit, Mich. Brake lining, clutch facing, pump packing, etc. 390,101; Sept. 9; Serial No. 438,368; published July 1, 1941. Class 35.

National Fabrics Corporation, New York, N. Y. Textile fabrics in the piece. 390,132; Sept. 9; Serial No. 442,634; published July 1, 1941. Class 42.

National Gypsum Company. (See Alinall Mfg. Co., assignor.)

Neenah Paper Company, Neenah, Wis. Ledger, writing, and bond paper. 149,462; renewed Dec. 13, 1941.

Nickel Plate System, The, Sioux City, Iowa, and Sioux Falls, S. Dak. Sandwiches. 390,116; Sept. 9; Serial No. 440,633; published July 1, 1941. Class 46.

North Ontario Packing Co., to California Fruit Growers Exchange, Los Angeles, Calif., successor. Lemonade-syrup. 139,592; renewed Feb. 8, 1941.

Northam Warren Corporation, Stamford, Conn. Nail polish and nail polish remover. 390,217; Sept. 9; Serial No. 442,455; published June 17, 1941. Class 6.

Northern Feather Works, Inc., Newark, N. J., and Chicago, Ill. Pillows. 390,100; Sept. 9; Serial No. 438,349; published July 1, 1941. Class 32.

Operadio Manufacturing Co., St. Charles, Ill. Electrical loudspeakers, parts thereof and accessories therefor, transformers, amplifiers, etc. 390,187; Sept. 9; Serial No. 441,781; published July 1, 1941. Class 21.

Ortho Products, Inc., Linden, N. J. Vaginal creams and jellies. 390,141; Sept. 9; Serial No. 442,850; published July 1, 1941. Class 6.

Parents' Institute, Inc., The, New York, N. Y. Cartoons. 390,146; Sept. 9; Serial No. 442,967; published July 1, 1941. Class 38.

Parents' Institute, Inc., New York, N. Y. Column or section in a publication. 390,147; Sept. 9; Serial No. 442,969; published July 1, 1941. Class 38.

Parfums Charbert, Inc., New York, N. Y. Perfumes, toilet waters, sachets, etc. 390,224; Sept. 9; Serial No. 443,616; published June 24, 1941. Class 6.

Parker-Bouldin Company. (See Appleton, Raymond W.)

Patterson Candy Co. Limited, The, assignor to Patterson Chocolates Limited, Toronto, Ontario, Canada. Chocolates and candy. 145,434; renewed Aug. 2, 1941.

Paul, Harry J., doing business as J. C. Paul & Co., Chicago, Ill. Chlorinated bactericide with incidental cleaning qualities. 390,247; Sept. 9. Class 6.

Peerless Chewing Gum Co., Inc., Buffalo, N. Y. Chewing gum. 390,236; Sept. 9. Class 46.

Petrolite Corporation, Ltd., Webster Groves, Mo. Chemical compound and solutions for the treatment and refining of petroleum. 390,165; Sept. 9; Serial No. 443,263; published June 24, 1941. Class 6.

Phototorium. (See Kelley, Mildred I.)

Pictorial Arts. (See Allentuck, David I.)

Pillsbury Flour Mills Company, Minneapolis, Minn. Wheat flour. 390,148; Sept. 9; Serial No. 442,971; published July 1, 1941. Class 46.

Pine, Morton S., Company, The, Cleveland, Ohio. Liquid detergent used in cleaning. 390,180; Sept. 9; Serial No. 441,620; published July 1, 1941. Class 4.

Pitts, Chandler R., doing business as The Pitts Laboratories, Hurlock, Md. Poultry solution. 390,214; Sept. 9; Serial No. 442,368; published June 17, 1941. Class 6.

Portland Woolen Mills, Inc., Portland, Oreg. Blankets. 390,207; Sept. 9; Serial No. 442,280; published July 1, 1941. Class 42.

Purepac Corporation, New York, N. Y. Medicinal mineral oil. 390,198; Sept. 9; Serial No. 442,073; published June 17, 1941. Class 6.

Quaker Oats Company, The, Chicago, Ill. Dog food. 390,109; Sept. 9; Serial No. 439,364; published July 1, 1941. Class 46.

R. C. A. Manufacturing Company, Inc., Camden, N. J. Apparatus and equipment for reproducing sound from a sound film record and parts thereof. 390,117; Sept. 9; Serial No. 440,706; published July 1, 1941. Class 26.

Ray-O-Vac Company. (See French Battery & Carbon Co.)

Reed & Carnrick, Jersey City, N. J. Medicine for phthisis, neurasthenia, constipation, and intestinal indigestion. 148,930; renewed Nov. 29, 1941.

Regatta Manufacturing Co. Inc., to The B. V. D. Corporation, Baltimore, Md., successor. Woven cotton fabric underwear. 145,577; renewed Aug. 9, 1941.

Remington Arms Company, Inc., Bridgeport, Conn. Cutlery. 390,083–4; Sept. 9; Serial Nos. 432,099–100; published July 1, 1941. Class 23.

Remington Machine Company, assignor to Remington, Inc., Wilmington, Del. Ice-making and refrigerating machinery. 146,852; renewed Sept. 20, 1941.

Revlon Products Corporation, New York, N. Y. Enamel adapted for coating finger nails and lipsticks. 390,126–7; Sept. 9; Serial Nos. 441,108–9; published June 17, 1941. Class 6.

Roma Packing Company. (See Centoni, Gino.)

Rome Cable Corporation, Rome, N. Y. Insulated electrical conductors, wires and cables, and insulating sleeving. 390,205; Sept. 9; Serial No. 442,214; published July 1, 1941. Class 21.

Roosevelt Oil Company, Mount Pleasant, Mich. Petroleum and products of petroleum. 390,082; Sept. 9; Serial No. 431,740; published June 24, 1941. Class 15.

Rosenberg Bros. & Co., assignor, by mesne assignments, to Fashion Park, Inc., Rochester, N. Y. Men's coats, vests, pants, and overcoats. 148,709; renewed Nov. 22, 1941.

Ross-Gould Company, St. Louis, Mo., assignor to The Sengbusch Self-Closing Inkstand Company, Milwaukee, Wis. Filing receptacles in the nature of desk furniture. 150,547; renewed Jan. 3, 1942.

S. L. F. Sales & Service Corp., New York, N. Y. Cleaning fluid. 390,216; Sept. 9; Serial No. 442,398; published July 1, 1941. Class 4.

Santiago Development Corporation, Long Island City, N. Y. Tablets for the relief of fevers and colds. 390,140; Sept. 9; Serial No. 442,976; published July 1, 1941. Class 6.

Santiago Development Corporation, Long Island City, N. Y. Headache tablets. 390,150; Sept. 9; Serial No. 442,977; published July 1, 1941. Class 6.

Santiago Development Corporation, Long Island City, N. Y. Liquid medicine for malaria fever, also in tablet form. 390,151; Sept. 9; Serial No. 442,978; published July 1, 1941. Class 6.

Savage Tool Company. (See Doall Company, The, assignor.)

Schwartz, Charles, & Co., Chicago, Ill. Dish towels. 390,246; Sept. 9. Class 42.

Schwarz, Gustav, Chicago, Ill. Perfumes and cosmetics. 390,098; Sept. 9; Serial No. 436,037; published July 1, 1941. Class 6.

Scott & Bowne, Bloomfield, N. J. The prophylaxis of nutritional disorders due to deficiencies of calcium, phosphorous, iron, and vitamin B_1. 390,225–6; Sept. 9; Serial Nos. 443,645–6; published June 24, 1941. Class 6.

Sears, Roebuck and Co., Chicago, Ill. Paint sprayers. 390,093; Sept. 9; Serial No. 435,958; published July 1, 1941. Class 23.

Sengbusch Self-Closing Inkstand Company. (See Ross-Gould Company, assignor.)

Shapiro, Bernstein & Co., Inc., New York, N. Y. Printed musical compositions. 150,563; renewed Jan. 3, 1942.

Shapiro, Bernstein & Co., Inc., New York, N. Y. Printed musical compositions. 150,966; renewed Jan. 10, 1942.

Shapiro, Louis, Chicago, Ill. Water softening preparations having incidental cleansing properties. 390,237; Sept. 9. Class 6.

Sheet Metal Specialty Company, Pittsburgh, Pa., to Sheet Metal Specialty Company, Follansbee, W. Va. Metal cans. 150,967; renewed Jan. 10, 1942.

Sherwin-Williams Company, The, Cleveland, Ohio. Paints, finishes, enamels, etc. 150,107; renewed Dec. 27, 1941.

Sherwin-Williams Company, The, Cleveland, Ohio. Cold-water paints. 150,108; renewed Dec. 27, 1941.

Sherwin-Williams Co., The, Cleveland, Ohio. Color measuring instruments. 390,241; Sept. 9. Class 26.

Shoe Form Co., Inc., Auburn, N. Y. Fish hooks. 390,230; Sept. 9; Serial No. 443,895; published July 1, 1941. Class 22.

Silex Company, The, Hartford, Conn. Flatiron stands. 390,238; Sept. 9. Class 24.

Smith, Landon P., Inc., Irvington, N. J. Screw drivers. 390,124; Sept. 9; Serial No. 441,062; published July 1, 1941. Class 23.

Società Prodotti Chimico Farmaceutici A. Bartelli & Co., Milan, Italy. Pills of essence of tar. 143,177; renewed May 24, 1941.

Sohl, Webster L., New York, N. Y. Pharmaceutical products—namely, a laxative. 390,172; Sept. 9; Serial No. 441,331; published June 24, 1941. Class 6.

Spiker, Bird, College Station, Tex. Published word puzzles. 390,135; Sept. 9; Serial No. 442,733; published July 1, 1941. Class 38.

Sponsor Company, Washington, D. C. Monthly periodical in the nature of a trade magazine. 390,130; Sept. 9; Serial No. 441,263; published June 24, 1941. Class 38.

Sprague & Henwood, Inc., Scranton, Pa. Diamond core bits. 390,248; Sept. 9. Class 23.

St. Denis Toiletries, Inc., New York, N. Y. Eau de cologne, perfume, dusting powder, talcum powder, etc. 390,195–6; Sept. 9; Serial Nos. 441,981–2; published June 17, 1941. Class 6.

Standard Brands Incorporated. (See Chase & Sanborn, assignor.)

Standard Oil Development Company, Linden, N. J. Cementitious adhesive or binder for paper, cloth, and glass, and adhesive sealing substances for containers. 390,105; Sept. 9; Serial No. 438,964; published July 1, 1941. Class 5.

Standard Oil Development Company, Linden, N. J. Illuminating oils, lubricating oils, and waxes. 390,106; Sept. 9; Serial No. 438,966; published July 1, 1941. Class 15.

Stern, Edward L., New York, N. Y. Watches and clocks. 390,094; Sept. 9; Serial No. 435,986; published Nov. 26, 1940. Class 27.

Stetson Shoe Company, The. (See Banister, James A., Company, assignor.)

Sunflower Packing Corp., Porterville, Calif. Fresh citrus fruits. 390,166; Sept. 9; Serial No. 443,446; published July 1, 1941. Class 46.

Sunset Oil Company, Los Angeles, Calif. Petroleum products—namely gasoline. 390,139–40; Sept. 9; Serial Nos. 442,808–9; published June 24, 1941. Class 15.

Swedish Steel Mills' A. A., Inc., New York, N. Y. Steels used for tools, 390,175; Sept. 9; Serial No. 441,493; published July 1, 1941. Class 14.

Taunton Pearl Works, Taunton, Mass. Bracelets. 390,242; Sept. 9. Class 28.

Taylor-Freeman-Stanley, Incorporated, New York, N. Y. Manicure implement. 390,222; Sept. 9; Serial No. 442,578; published July 1, 1941. Class 44.

Tex-O-Kan Flour Mills Company, doing business as Burrus Mill & Elevator Company, Dallas, Tex. Wheat flour. 390,173; Sept. 9; Serial No. 441,456; published July 1, 1941. Class 46.

Tiona Petroleum Company, Philadelphia, Pa. Lubricating oils and greases. 390,092; Sept. 9; Serial No. 435,261; published July 1, 1941. Class 15.

Titan Co. A/S, Christiania, to Titan Co. A/S, Fredrikstad, Norway. Paint-pigments and paints containing titanium or a compound thereof. 141,252; renewed Apr. 12, 1941.

Tolman Print Inc., Brockton, assignor to University Press, Inc., Cambridge, Mass. Advertising novelties. 147,419; renewed Oct. 11, 1941.

Transcontinental & Western Air, Inc., North Kansas City, Mo. Playing cards. 390,227; Sept. 9; Serial No. 443,707; published July 1, 1941. Class 22.

Treadwill, Bill, New York, N. Y. Comic strips. 390,111; Sept. 9; Serial No. 439,845; published July 1, 1941. Class 38.

Tyler Publishing Company, The, Battle Creek, Mich. Periodical. 390,189; Sept. 9; Serial No. 441,843; published July 1, 1941. Class 38.
Ultra Violet Products, Inc., Los Angeles, Calif. Quartz ultra violet fluorescent lamps. 390,080; Sept. 9; Serial No. 430,634; published July 1, 1941. Class 26.
Union Fork & Hoe Company, The, Columbus, Ohio. Hand operated tools. 390,202; Sept. 9; Serial No. 442,149; published July 1, 1941. Class 23.
United Cigar-Whelan Stores Corporation, New York, N. Y. Vitamin tonic. 390,110; Sept. 9; Serial No. 439,502; published Mar. 11, 1941. Class 6.
United States Gypsum Company. (See National Asbestos Mfg. Co.)
United States Plywood Corporation, New York, N. Y. Waterproof glue. 390,115; Sept. 9; Serial No. 440,528; published Apr. 1, 1941. Class 5.
United States Rubber Company, New York, N. Y. Dies for use in forming dishes of silver or silver plate. 390,128; Sept. 9; Serial No. 441,219; published July 1, 1941. Class 23.
University Press, Inc. (See Tolman Print Inc.)
Venice Celery Distributers, Los Angeles, Calif. Fresh vegetables. 390,206; Sept. 9; Serial No. 442,223; published July 1, 1941. Class 46.
Victor Balata & Textile Belting Co., New York, N. Y., and Easton, Pa., to Victor Balata & Textile Belting Company, Easton, Pa. Textile belting. 148,991; renewed Dec. 6, 1941.
Vivion, Lee E., Jr., Indio, Calif. Fresh citrus and deciduous fruits and vegetables. 390,157; Sept. 9; Serial No. 443,143; published July 1, 1941. Class 46.
Vivion, Lee E., Jr., Indio, Calif. Fresh citrus and deciduous fruits and vegetables. 390,158–9; Sept. 9; Serial Nos. 443,145–6; published July 1, 1941. Class 46.
Wallace Pencil Company, St. Louis County, Mo. Wood cased pencils. 390,076 Sept. 9; Serial No. 429,632; published July 30, 1940. Class 37.
Welch, William W., doing business as W. W. Welch Co., Cincinnati, Ohio. Electric fan stands simulating tables or magazine stands. 390,131; Sept. 9; Serial No. 441,269; published July 1, 1941. Class 21.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Marine bearings. 390,118; Sept. 9; Serial No. 440,764; published July 1, 1941. Class 23.
White-Stokes Company, Inc., Chicago, Ill. Plastic marshmallow. 390,182; Sept. 9; Serial No. 441,717; published July 1, 1941. Class 46.
Wiegand, Edwin L., assignor to Edwin L. Wiegand Company, Pittsburgh, Pa. Electrical heating and resistor Elements. 148,963; renewed Nov. 29, 1941.
Witman, Warren F., Philadelphia, Pa. Dry and ready-mixed paints. 150,183; renewed Dec. 27, 1941.
Wright Aeronautical Corporation, Paterson, N. J. Internal combustion engines. 390,114; Sept. 9; Serial No. 440,399; published July 1, 1941. Class 23.
Wyeth, John, & Brother, Incorporated, Philadelphia, Pa. Sedative expectorant. 390,215; Sept. 9; Serial No. 442,380; published June 17, 1941. Class 6.
Young Men's Christian Association of Chicago, The, Chicago, Ill. Magazines. 390,119; Sept. 9; Serial No. 440,795; published July 1, 1941. Class 38.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Block Coal and Coke Company. 390,199; Sept. 9; Serial No. 442,098; published July 1, 1941.
Kid, goat, and similar light-weight leathers. R. H. Foerderer. 20,219; re-renewed Oct. 13, 1941.
Leather, Calf. Creese & Cook Co. 145,065; renewed July 26, 1941.
Potted plants, cut flowers, bouquets, etc. R. F. Derricott. 390,232; Sept. 9.

CLASS 2

Cans, Metal. Sheet Metal Specialty Company. 150,967; renewed Jan. 10, 1942.
Filing receptacles in the nature of desk furniture. Ross-Gould Company. 150,547; renewed Jan. 3, 1942.

CLASS 4

Cleaner, Liquid. C. B. Dolge Company. 390,074; Sept. 9; Serial No. 427,369; published Apr. 30, 1940.
Cleaning fluid. S. L. F. Sales & Service Corp. 390,216; Sept. 9; Serial No. 442,398; published July 1, 1941.
Detergent used in cleaning, Liquid. Morton S. Pine Company. 390,180; Sept. 9; Serial No. 441,620; published July 1, 1941.

CLASS 5

Adhesive or binder for paper, cloth, and glass, and adhesive sealing substances for containers, Cementitious. Standard Oil Development Company. 390,105; Sept. 9; Serial No. 438,964; published July 1, 1941.
Adhesive tape. A. A. Daniels. 390,231; Sept. 9; Serial No. 443,922; published July 1, 1941.
Glue, Waterproof. United States Plywood Corporation. 390,115; Sept. 9; Serial No. 440,528; published Apr. 1, 1941.

CLASS 6

Bactericide with incidental cleaning qualities, Chlorinated. H. J. Paul. 390,247; Sept. 9.
Bath powders, bath crystals, talcum powders, sachets, etc. Campana Sales Company. 390,154; Sept. 9; Serial No. 443,069; published June 17, 1941.
Chemical compound and solutions for the treatment and refining of petroleum. Petrolite Corporation, Ltd. 390,165; Sept. 9; Serial No. 443,263; published June 24, 1941.
Chemical preparation. C. J. Martin & Sons, Inc. 390,079; Sept. 9; Serial No. 429,989; published July 30, 1940.
Coloring, Hair. S. J. Arkush. 390,218; Sept. 9; Serial No. 442,477; published June 17, 1941.
Composition used in conditioning of steel. Barium and Chemicals, Inc. 390,077; Sept. 9; Serial No. 429,759; published June 24, 1941.
Cosmetic. Max Factor & Co. 390,142–3; Sept. 9; Serial Nos. 442,863–4; published July 1, 1941.
Cosmetic lotions. R. H. Macy & Co. 390,223; Sept. 9; Serial No. 442,633; published June 17, 1941.
Cosmetics—namely, bath salts, scalp lotion, hair oil, etc. R. W. Appleton. 390,125; Sept. 9; Serial No. 441,077; published June 24, 1941.
Deodorant, Under arm and body liquid spray. Madelaine, Inc. 390,102–3; Sept. 9; Serial Nos. 438,096–7; published June 17, 1941.
Deodorant stick. Elizabeth Arden Sales Corporation. 390,188; Sept. 9; Serial No. 441,804; published June 10, 1941.
Dyestuffs. Cincinnati Chemical Works, Inc. 147,957; renewed Nov. 8, 1941.
Eau de cologne, perfume, dusting powder, etc. St. Denis Toiletries, Inc. 390,195–6; Sept. 9; Serial Nos. 441,981–2; published June 17, 1941.
Eau de colognes, perfumes, and cosmetic creams. Lentheric, Incorporated. 390,144; Sept. 9; Serial No. 442,907; published July 1, 1941.
Enamel adapted for coating finger nails and lipsticks. Revlon Products Corporation. 390,126–7; Sept. 9; Serial Nos. 441,108–9; published June 17, 1941.
Foot powder. V. Marne. 390,071; Sept. 9; Serial No. 472,381; published July 1, 1941.
Hair rinse. House of Herbs, Inc. 390,220; Sept. 9; Serial No. 442,491; published June 17, 1941.
Headache tablets. Santiago Development Corporation. 390,150; Sept. 9; Serial No. 442,977; published July 1, 1941.
Insecticides. Chemurgic Corporation. 390,158; Sept. 9; Serial No. 443,115; published June 17, 1941.
Insecticides. Chemurgic Corporation. 390,221; Sept. 9; Serial No. 442,518; published June 17, 1941.
Jelly, Lubricating. R. A. Bachmann. 390,185; Sept. 9; Serial No. 441,758; published June 17, 1941.
Lipsticks and rouges. Elizabeth Arden Sales Corporation. 390,171; Sept. 9; Serial No. 441,302; published May 20, 1941.
Liquid medicine. Santiago Development Corporation. 390,151; Sept. 9; Serial No. 442,978; published July 1, 1941.
Medicinal preparation for dogs. Aurora Laboratories, Inc. 390,212; Sept. 9; Serial No. 442,346; published June 17, 1941.
Medicine for phthisis, neurasthenia, constipation, and intestinal indigestion. Reed & Carnrick. 148,939; renewed Nov. 29, 1941.
Mineral oil, Medicinal. Purepac Corporation. 390,198; Sept. 9; Serial No. 442,073; published June 17, 1941.
Ointment. Benzocarb Co. 390,219; Sept. 9; Serial No. 442,480; published June 17, 1941.
Ointment, Skin. Wm. H. Glascot & Co. 390,075; Sept. 9; Serial No. 428,987; published June 17, 1941.
Perfume, Liquid. Expello Corporation. 390,168; Sept. 9; Serial No. 443,534; published June 24, 1941.
Perfume, toilet water, and cosmetic creams. Lentheric, Incorporated. 390,170; Sept. 9; Serial No. 443,572; published July 24, 1941.
Perfumes and cosmetics. G. Schwarz. 390,096; Sept. 9; Serial No. 436,037; published July 1, 1941.
Perfumes, toilet waters, sachets, etc. Parfums Charbert, Inc. 390,224; Sept. 9; Serial No. 443,516; published June 24, 1941.
Pharmaceutical preparation. Difco Laboratories Incorporated. 390,178; Sept. 9; Serial No. 441,569; published June 17, 1941.
Pharmaceutical preparation, more particularly vitamin and iron capsules. Maltine Company. 390,160; Sept. 9; Serial No. 433,166; published June 17, 1941.
Pharmaceutical products. W. L. Sohl. 390,172; Sept. 9; Serial No. 441,331; published June 24, 1941.
Pills of essence of tar. Societá Prodotti Chimico Farmaceutici A. Bartelli & Co. 143,177; renewed May 24, 1941.
Polish and polish remover, Nail. Northam Warren Corporation. 390,217; Sept. 9; Serial No. 442,455; published June 17, 1941.

Poultry solution. C. R. Pitts. 390,214; Sept. 9; Serial No. 442,368; published June 17, 1941.
Preparation consisting of an anti-asthmatic tablet. Endo Products, Inc. 390,169; Sept. 9; Serial No. 443,561; published June 24, 1941.
Preparation for the eradication of Johnson grass and roots. J. Brasci. 390,213; Sept. 9; Serial No. 442,350; published June 17, 1941.
Preparation for the treatment of coughs. Homo Distributing Co. 390,087; Sept. 9; Serial No. 434,788; published Dec. 17, 1940.
Prophylaxis of nutritional disorders due to deficiencies of calcium, etc., The. Scott & Bowne. 390,225–6; Sept. 9; Serial Nos. 443,645–6; published June 24, 1941.
Saline aperient. J. C. Eno, Limited. 148,010; renewed Nov. 8, 1941.
Salve for boils, Drawing. American Druggists Syndicate, Inc. 390,073; Sept. 9; Serial No. 424,677; published Apr. 2, 1940.
Sedative expectorant. John Wyeth & Brother, Incorporated. 390,215; Sept. 9; Serial No. 442,380; published June 17, 1941.
Tablets for the relief of fevers and colds. Santiago Development Corporation. 390,149; Sept. 9; Serial No. 442,976; published July 1, 1941.
Toilet, medicinal, and pharmaceutical preparations. C. T. Duncan. 146,213; renewed Sept. 6, 1941.
Toilet preparation for the hands and nails. Keene's Laboratories Limited. 390,112; Sept. 9; Serial No. 440,009; published June 24, 1941.
Tonic, Vitamin. United Cigar-Whelan Stores Corporation. 390,110; Sept. 9; Serial No. 439,502; published Mar. 11, 1941.
Vaginal creams and jellies. Ortho Products, Inc. 390,141; Sept. 9; Serial No. 442,850; published July 1, 1941.
Vanity cases containing rouges. Lentheric, Incorporated. 390,162; Sept. 9; Serial No. 443,196; published June 17, 1941.
Vitamin K synthetic substance in water. Drug Products Co. 390,161; Sept. 9; Serial No. 443,186; published June 17, 1941.
Vitamin tablets. Miles Laboratories, Inc. 390,138; Sept. 9; Serial No. 442,796; published July 1, 1941.
Water softening preparations having incidental cleansing properties. L. Shapiro. 390,237; Sept. 9.
Wetting agent for use in wetting dust. Johnson-March Corporation. 390,193; Sept. 9; Serial No. 441,913; published June 17, 1941.

CLASS 8

Ash trays. H. P. Lyman. 390,113; Sept. 9; Serial No. 440,170; published July 1, 1941.

CLASS 9

Air rifles. A. B. T. Manufacturing Corp. 390,137; Sept. 9; Serial No. 442,793; published July 1, 1941.

CLASS 10

Fertilizer. Fidelity Chemical Corporation. 390,192; Sept. 9; Serial No. 441,905; published July 1, 1941.

CLASS 12

Asphaltic products. California Texas Oil Company. 390,095; Sept. 9; Serial No. 438,035; published June 24, 1941.
Awnings, Wooden. J. W. Hawley. 390,091; Sept. 9; Serial No. 435,108; published July 1, 1941.
Brick and tile, Fire. Laclede-Christy Clay Products Company. 149,982; renewed Dec. 27, 1941.
Gypsum board units. C. L. Gane. 390,099; Sept. 9; Serial No. 438,073; published July 1, 1941.
Shingles and slates made of asbestos and cement. National Asbestos Mfg. Co. 145,754; renewed Aug. 16, 1941.
Steel buildings, Portable and permanent. Blaw-Knox Company. 150,256; renewed Jan. 3, 1942.
Steel channels adapted to clinch nails. C. L. Gane. 390,098; Sept. 9; Serial No. 438,072; published July 1, 1941.

CLASS 13

Casters. Bassick Company. 149,347–8; renewed Dec. 13, 1941.

CLASS 14

Steels used for tools. Swedish Steel Mills' A. A., Inc. 390,175; Sept. 9; Serial No. 441,493; published July 1, 1941.

CLASS 15

Oil, Motor. Canfield Oil Company. 390,133; Sept. 9; Serial No. 442,649; published June 24, 1941.
Oils and greases, Lubricating. Tiona Petroleum Company. 390,092; Sept. 9; Serial No. 435,261; published July 1, 1941.
Oils and waxes. Standard Oil Development Company. 390,106; Sept. 9; Serial No. 438,966; published July 1, 1941.
Petroleum and products of petroleum. Roosevelt Oil Company. 390,082; Sept. 9; Serial No. 431,740; published June 24, 1941.
Petroleum products. Sunset Oil Company. 390,139–40; Sept. 9; Serial Nos. 442,808–9; published June 24, 1941.

CLASS 16

Interior-wall glazing and coloring. Alinall Mfg. Co. 149,814; renewed Dec. 27, 1941.
Oil-paint for flat wall-finish. Devoe & Raynolds Company. 146,211; renewed Sept. 6, 1941.
Paint-pigments and paints containing titanium or a compound thereof. Titan Co. A/S. 141,252; renewed Apr. 12, 1941.
Paints. Caso Incorporated. 390,081; Sept. 9; Serial No. 431,591; published Nov. 12, 1940.
Paints, Cold-water. Sherwin-Williams Company. 150,108; renewed Dec. 27, 1941.
Paints, Dry and ready-mixed. W. F. Witman. 150,183; renewed Dec. 27, 1941.
Paints, enamels, wood-stains, and varnishes. Devoe & Raynolds Company. 146,566; renewed Sept. 13, 1941.
Paints, finishes, enamels, etc. Sherwin-Williams Company. 150,107; renewed Dec. 27, 1941.
Wall-finish, Interior warm-water or oil. Alinall Mfg. Co. 149,815; renewed Dec. 27, 1941.
Wax, Surfacing. Fuld Bros. 390,155; Sept. 9; Serial No. 443,077; published July 1, 1941.

CLASS 17

Cigars. Havana Cigar and Tobacco Factories, Ltd. 150,835; renewed Jan. 10, 1942.
Cigars. Havana Commercial Company. 150,837; renewed Jan. 10, 1942.

CLASS 21

Batteries, Dry-cell. French Battery & Carbon Co. 149,925; renewed Dec. 27, 1941.
Electrical apparatus. Huntington & Guerry, Incorporated. 144,801; renewed July 19, 1941.
Electrical appliances. Chicago Flexible Shaft Company. 390,181; Sept. 9; Serial No. 441,695; published July 1, 1941.
Electrical conductors, wires and cables, Insulated. Rome Cable Corporation. 390,205; Sept. 9; Serial No. 442,214; published July 1, 1941.
Electrical heating and resistor elements. E. L. Wiegand. 148,963; renewed Nov. 29, 1941.
Electrical loudspeakers, transformers, amplifiers, etc. Operadio Manufacturing Co. 390,187; Sept. 9; Serial No. 441,781; published July 1, 1941.
Fan stands simulating tables or magazine stands, Electric. W. W. Welch. 390,131; Sept. 9; Serial No. 441,269; published July 1, 1941.
Spark plugs. Bowers Battery Mfg. Company. 390,200; Sept. 9; Serial No. 442,101; published July 1, 1941.

CLASS 22

Casting and fishing floats. Lowrie-Allison Company. 390,243; Sept. 9.
Dolls. Ideal Novelty & Toy Co. 390,228–9; Sept. 9; Serial Nos. 443,767–8; published July 1, 1941.
Fish hooks. Shoe Form Co. 390,230; Sept. 9; Serial No. 443,895; published July 1, 1941.
Playing cards. Transcontinental & Western Air, Inc. 390,227; Sept. 9; Serial No. 443,707; published July 1, 1941.

CLASS 23

Apparatus for cleaning and fumigating, etc. Air-Way Electric Appliance Corporation. 390,136; Sept. 9; Serial No. 442,767; published July 1, 1941.
Bits, Diamond core. Sprague & Henwood, Inc. 390,248; Sept. 9.
Cutlery. Remington Arms Company. 390,083–4; Sept. 9; Serial Nos. 432,099–100; published July 1, 1941.
Dies for use in forming dishes of silver or silver plate. United States Rubber Company. 390,128; Sept. 9; Serial No. 441,219; published July 1, 1941.
Exhaust mufflers. Basca Manufacturing Co. Inc. 390,120; Sept. 9; Serial No. 440,907; published July 1, 1941.
Grinders of the machine tool type. Doall Company. 390,078; Sept. 9; Serial No. 429,766; published July 1, 1941.
Internal-combustion engines. Cleveland Tractor Company. 147,965; renewed Nov. 8, 1941.
Internal combustion engines. Wright Aeronautical Corporation. 390,114; Sept. 9; Serial No. 440,399; published July 1, 1941.
Knives, Cake and fruit. N. K. Morris. 390,197; Sept. 9; Serial No. 442,070; published July 1, 1941.
Lathes, planers, solters, boring-mills, etc. Manning, Maxwell & Moore, Inc. 149,444; renewed Dec. 13, 1941.
Machines for roasting food products. Hobart Manufacturing Company. 148,435; renewed Nov. 15, 1941.
Marine bearings. Westinghouse Electric & Manufacturing Company. 390,118; Sept. 9; Serial No. 440,764; published July 1, 1941.
Paint sprayers. Sears, Roebuck and Co. 390,093; Sept. 9; Serial No. 435,958; published July 1, 1941.

Power driven saws and flexible shafting. Mall Tool Company. 390,191; Sept. 9; Serial No. 441,874; published July 1, 1941.
Razors and razor blades. Atlantic Blade Corporation. 390,086; Sept. 9; Serial No. 434,094; published July 1, 1941.
Scissors. J. A. Eberly. 390,104; Sept. 9; Serial No. 438,873; published July 1, 1941.
Screw drivers. L. P. Smith, Inc. 390,124; Sept. 9; Serial No. 441,062; published July 1, 1941.
Tools, Hand operated. Union Fork & Hoe Company. 390,202; Sept. 9; Serial No. 442,140; published July 1, 1941.
Wheels and pickers for looms, Vulcanized-fiber toothed. Aktiebolaget Tidan. 145,233; renewed July 26, 1941.

CLASS 24

Drying machines for laundries. American Laundry Machinery Company. 390,176; Sept. 9; Serial No. 441,530; published July 1, 1941.
Flatiron stands. Silex Company. 390,238; Sept. 9.

CLASS 26

Apparatus and equipment for reproducing sound from a sound film record and parts thereof. R. C. A. Manufacturing Company. 390,117; Sept. 9; Serial No. 440,706; published July 1, 1941.
Color measuring instruments. Sherwin-Williams Co. 390,241; Sept. 9.
Instrument for recording data concerning well drilling operations, Mechanical. Indian Territory Illuminating Oil Company. 390,122; Sept. 9; Serial No. 441,020; published July 1, 1941.
Ophthalmic mountings. Bausch & Lomb Optical Company. 390,108; Sept. 9; Serial No. 439,191; published July 1, 1941.
Photographic materials. Eastman Kodak Company. 390,107; Sept. 9; Serial No. 439,099; published July 1, 1941.
Sounding tubes. Kelvin, Bottomley & Baird, Limited. 390,184; Sept. 9; Serial No. 441,735; published July 1, 1941.
Ultra violet fluorescent lamps, Quarts. Ultra Violet Products, Inc. 390,080; Sept. 9; Serial No. 430,634; published July 1, 1941.

CLASS 27

Watches and clocks. E. L. Stern. 390,094; Sept. 9; Serial No. 435,986; published Nov. 26, 1940.

CLASS 28

Bracelets. Taunton Pearl Works. 390,242; Sept. 9.
Flatware, hollowware for table use, toilet ware, etc. Georg Jensen Inc. 390,088; Sept. 9; Serial No. 434,873; published July 1, 1941.
Flatware and hollowware for table use, toilet ware, etc. Georg Jensen Inc. 390,089; Sept. 9; Serial No. 434,875; published July 1, 1941.
Flatware, hollowware for table use, toiletware, etc. Georg Jensen Inc. 390,090; Sept. 9; Serial No. 434,877; published July 1, 1941.
Jewelry, not including watches. Marathon Co. 390,174; Sept. 9; Serial No. 441,478; published July 1, 1941.

CLASS 29

Toilet brushes. John Hudson Moore, Inc. 390,123; Sept. 9; Serial No. 441,030; published July 1, 1941.

CLASS 31

Cooling towers and parts thereof, especially spray nozzles, Liquid. Marley Company. 390,251; Sept. 9.
Ice-making and refrigerating machinery. Remington Machine Company. 146,852; renewed Sept. 20, 1941.

CLASS 32

Furniture. T. Baumritter Co. Inc. 390,208; Sept. 9; Serial No. 442,299; published July 1, 1941.
Pillows. Northern Feather Works, Inc. 390,100; Sept. 9; Serial No. 438,349; published July 1, 1941.

CLASS 35

Brake lining, clutch facing, pump packing, etc. National Automotive Parts Association. 390,101; Sept. 9; Serial No. 438,368; published July 1, 1941.
Textile belting. Victor Balata & Textile Belting Co. 148,991; renewed Dec. 6, 1941.
Tires for vehicles, Pneumatic. General Tire & Rubber Company. 390,252; Sept. 9.

CLASS 36

Recording discs, Home. Hammermill Paper Company. 390,183; Sept. 9; Serial No. 441,732; published July 1, 1941.

CLASS 37

Blanks for collapsible boxes. Lock-Tied Box Company. 390,233; Sept. 9.
Gummed discs for loose leaf stationery. Goldsmith Bros. 390,203; Sept. 9; Serial No. 442,167; published July 1, 1941.
Linings for paper bags, Moisture proof. B. C. Betner Co. 390,204; Sept. 9; Serial No. 442,186; published July 1, 1941.
Paper, Ledger, writing, and bond. Neenau Paper Company. 149,462; renewed Dec. 13, 1941.
Pencils, Wood cased. Wallace Pencil Company. 390,076; Sept. 9; Serial No. 429,632; published July 30, 1940.
Rubber stamps. Kent Hardware Mfg. Corp. 390,210; Sept. 9; Serial No. 442,323; published July 1, 1941.
Wallpaper. Cook Paint & Varnish Company. 390,240; Sept. 9.

CLASS 38

Advertising novelties. Tolman Print Inc. 147,419; renewed Oct. 11, 1941.
Cartoons. Parents' Institute, Inc. 390,146; Sept. 9; Serial No. 442,967; published July 1, 1941.
Column in a newspaper. Illinois Publishing and Printing Company. 390,245; Sept. 9.
Column or section in a publication. Parents' Institute, Inc. 390,147; Sept. 9; Serial No. 442,969; published July 1, 1941.
Comic strips. B. Treadwell. 390,111; Sept. 9; Serial No. 439,845; published July 1, 1941.
Magazines. Young Men's Christian Association of Chicago. 390,119; Sept. 9; Serial No. 440,795; published July 1, 1941.
Periodical. Tyler Publishing Company. 390,189; Sept. 9; Serial No. 441,843; published July 1, 1941.
Periodical, Monthly. Sponsor Company. 390,130; Sept. 9; Serial No. 441,263; published June 24, 1941.
Periodical publication. L. Greenwald. 390,194; Sept. 9; Serial No. 441,960; published June 24, 1941.
Photo contact prints and enlargements. M. I. Kelley. 390,234; Sept. 9.
Photographic prints. Fleet Photo Service. 145,686; renewed Aug. 16, 1941.
Photographs, Natural color. Colorteck, Inc. 390,129; Sept. 9; Serial No. 441,232; published June 24, 1941.
Printed musical compositions. Shapiro, Bernstein & Co. 150,563; renewed Jan. 3, 1942.
Printed musical compositions. Shapiro, Bernstein & Co. 150,966; renewed Jan. 10, 1942.
Prints of nursery subjects. D. I. Allentuck. 390,211; Sept. 9; Serial No. 442,331; published July 1, 1941.
Published word puzzles. B. Spiker. 390,135; Sept. 9; Serial No. 442,733; published July 1, 1941.

CLASS 39

Boots and shoes. James A. Banister Company. 150,243; renewed Jan. 3, 1942.
Clothing. Branigan, Green & Co. 148,364; renewed Nov. 15, 1941.
Clothing. Liberty & Co. Limited. 146,583; renewed Sept. 13, 1941.
Coats, vests, pants, and overcoats, Men's. Rosenberg Bros. & Co. 148,709; renewed Nov. 22, 1941.
Dresses, blouses, skirts, shirts, etc., Knitted. Joseph Guttman & Bros. 390,249–50; Sept. 9.
Hosiery. Carlton Trading Company. 144,713; renewed July 19, 1941.
Woven cotton fabric underwear. Regatta Manufacturing Co., Inc. 145,577; renewed Aug. 9, 1941.

CLASS 42

Awning-stripes in the piece. Marshall Field & Company. 144,844; renewed July 19, 1941.
Blankets. Portland Woolen Mills, Inc. 390,207; Sept. 9; Serial No. 442,280; published July 1, 1941.
Cheviots in the piece. Marshall Field & Company. 144,843; renewed July 19, 1941.
Muslin in the piece. Marshall Field & Company. 144,853; renewed July 19, 1941.
Piece goods, Silk, rayon and cotton. Cheney Brothers. 390,186; Sept. 9; Serial No. 441,762; published July 1, 1941.
Piece goods, Spun rayon. Cantor Greenspan Co. 390,190; Sept. 9; Serial No. 441,856; published July 1, 1941.
Piece goods, Woolen. Joseph & Feiss Company. 390,239; Sept. 9.
Rugs and carpets. Mohawk Carpet Mills, Inc. 390,145; Sept. 9; Serial No. 442,964; published July 1, 1941.
Sheets, pillow-cases, and sheeting. Marshall Field & Company. 144,847; renewed July 19, 1941.
Textile fabrics in the piece. National Fabrics Corporation. 390,132; Sept. 9; Serial No. 442,634; published July 1, 1941.
Towels, Dish. Charles Schwartz & Co. 390,246; Sept. 9.

CLASS 43

Spool-cotton, sewing-cotton, thread, and cotton-yarn. American Thread Company. 149,821; renewed Dec. 27, 1941.

CLASS 44

Manicure implement. Taylor-Freeman-Stanley, Incorporated. 390,222; Sept. 9; Serial No. 442,578; published July 1, 1941.

CLASS 45

Beverage, Carbonated, non-alcoholic, maltless. G. E. Gorton. 390,153; Sept. 9; Serial No. 443,043; published July 1, 1941.
Fruit juices and maltless beverages. California Valencia Juice Company. 390,121; Sept. 9; Serial No. 440,910; published July 1, 1941.

Lemonade-syrup. North Ontario Packing Co. 139,592; renewed Feb. 8, 1941.

CLASS 46

Butter and eggs. G. Centoni. 390,085; Sept. 9; Serial No. 434,170; published July 1, 1941.
Canned Fruit Juices. Florida Fruit Canners, Inc. 390,201; Sept. 9; Serial No. 442,118; published July 1, 1941.
Canned ham, picnic, shoulder, pork loin, etc. Danske Konservesfabrikers Amerika Afdeling. 390,072; Sept. 9; Serial No. 416,795; published Dec. 12, 1939.
Canned olives. O. D. Gifford. 390,103; Sept. 9; Serial No. 443,229; published July 1, 1941.
Canned olives. La Miradn Olive Company. 390,164; Sept. 9; Serial No. 443,254; published July 1, 1941.
Canned olives. Lindsay Ripe Olive Company. 390,152; Sept. 9; Serial No. 443,010; published July 1, 1941.
Chewing gum. Peerless Chewing Gum Co. 390,236; Sept. 9.
Chocolates and candy. Patterson Candy Co. Limited. 145,434; renewed Aug. 2, 1941.
Flour, Wheat. Commercial Milling Co. 390,209; Sept. 9; Serial No. 442,307; published July 1, 1941.
Flour, Wheat. Pillsbury Flour Mills Company. 390,148; Sept. 9; Serial No. 442,971; published July 1, 1941.
Flour, Wheat. Tex-O-Kan Flour Mills Company. 390,173; Sept. 9; Serial No. 441,456; published July 1, 1941.
Food and fermented-milk preparation, Predigested. J. Melicow. 145,149; renewed July 26, 1941.
Food, Dog. Quaker Oats Company. 390,109; Sept. 9; Serial No. 439,364; published July 1, 1941.
Fruits and vegetables. L. E. Vivion, Jr. 390,157; Sept. 9; Serial No. 443,143; published July 1, 1941.
Fruits and vegetables. L. E. Vivion, Jr. 390,158–9; Sept. 9; Serial Nos. 443,145–6; published July 1, 1941.
Fruits, Fresh citrus. Sunflower Packing Corp. 390,166; Sept. 9; Serial No. 443,466; published July 1, 1941.
Marshmallow, Plastic. White-Stokes Company. 390,182; Sept. 9; Serial No. 441,717; published July 1, 1941.
Meats and meat products. Albany Packing Company. 390,097; Sept. 9; Serial No. 438,063; published July 1, 1941.
Mint leaf tea, Dried. P. C. Bragg. 390,179; Sept. 9; Serial No. 441,604; published July 1, 1941.
Sandwiches. Nickel Plate System. 390,116; Sept. 9; Serial No. 440,633; published July 1, 1941.
Sauce. Maconochie Brothers, Limited. 390,134; Sept. 9; Serial No. 442,716; published July 1, 1941.
Shortening made from vegetable oils. Humko Co. 390,244; Sept. 9.
Soy bean oil and soy bean meal. Clinton Company. 390,235; Sept. 9.
Sugar for use as food. American Sugar Refining Company. 146,064; renewed Aug. 30, 1941.
Tea and coffee. Chase & Sanborn. 149,876; renewed Dec. 27, 1941.
Vegetables, Fresh. W. C. McConnell. 390,167; Sept. 9; Serial No. 443,511; published July 1, 1941.
Vegetables, Fresh. Venice Celery Distributers. 390,206; Sept. 9; Serial No. 442,223; published July 1, 1941.

CLASS 50

Toilet kit. W. A. Baker. 390,177; Sept. 9; Serial No. 441,562; published July 1, 1941.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 9TH DAY OF SEPTEMBER, 1941

NOTE.--Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Quam, James P., assignor to Quam-Nichols Company, Chicago, Ill. Loudspeaker. Re. 21,898; Sept. 9.

Quam-Nichols Company. (See Quam, James P., assignor.)

Strobridge, William, Syracuse, assignor to United States Hoffman Machinery Corporation, New York, N. Y. Garment pressing machine. Re. 21,899; Sept. 9.

United States Hoffman Machinery Corporation. (See Strobridge, William, assignor.)

LIST OF DESIGN PATENTEES

Aemisegger, Jean, Bergenfield, N. J., assignor to Record Lace & Embroidery Company, New York, N. Y. Lace or similar article. 129,356; Sept. 9.

Arrow Manufacturing Company. (See Guttman, John B., assignor.)

Autoyre Company, The. (See Sanford, Roy S., assignor.)

Beary, Mary M., Catasauqua, Pa. Dog toy or similar article. 129,387; Sept. 9.

Bennett, Herbert L., Pittsfield, Mass., assignor to General Electric Company. Automobile steering post memorandum unit. 129,420; Sept. 9.

Biva, Lucien, New York, N. Y., assignor to W. E. Roschen, Spring Lake, N. J., and J. Hastedt, co-executors of Estate of Otto Timme, deceased, doing business under name and style E. F. Timme & Son, New York, N. Y. Rug. 129,388; Sept. 9.

Celanese Corporation of America. (See Sheild, Frances A., assignor.)

Christie, Soren L., Los Angeles, Calif. Cabinet for battery charger. 129,408; Sept. 9.

Clouse, Earl L., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich. Combined cabinet and golf club display. 129,390; Sept. 9.

Cohn & Rosenberger, Inc. (See Katz, Adolph, assignor.)

Cole, Arnold B., Brooklyn, N. Y. Clothes hanger. 129,389; Sept. 9.

Cummings, Patrick J., Attleboro, Mass. Combination pencil and pocket knife. 129,368; Sept. 9.

Cummings, Patrick J., Attleboro, Mass. Pocket knife. 129,369; Sept. 9.

Del Re, Angelo, Brooklyn, N. Y. Coat. 129,446; Sept. 9.

Del Re, Angelo, Brooklyn, N. Y. Coat. 129,447; Sept. 9.

Demko, Julius J., assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage battery case. 129,378; Sept. 9.

Dennis, Virgil A. (See Dennis, William A. and V. A.)

Dennis, William A. and V. A., West Los Angeles, Calif. Child's seat for barber chair. 129,379; Sept. 9.

Dupertuis, Bernard, Rochelle Park, N. J. Dial for watches or similar articles. 129,370; Sept. 9.

Eaton, Malcolm W., assignor to Micro Switch Corporation, Freeport, Ill. Electric-switch actuator. 129,413; Sept. 9.

Elkin, Newton, Philadelphia, Pa. Shoe or similar article. 129,371; Sept. 9.

Erickson, C. E., Company Incorporated. (See Sedgwick, William, assignor.)

Feldman, Jacob C., Boston, Mass., assignor to New England Bedding Company, Medford, Mass. Chaise longue or similar article. 129,421; Sept. 9.

Fischer, Joseph, Grand Rapids, Mich. Cycle handlebar support for pads, maps or the like. 129,391; Sept. 9.

Forstmann, Curt E., Montclair, N. J. Textile fabric. 129,372; Sept. 9.

Frank, Otis C., Hollywood, Fla. Towel hanger. 129,414; Sept. 9.

General Electric Company. (See Bennett, Herbert L., assignor.)

General Motors Corporation. See Hamilton, H. L., Otter, and Meyer, assignors.)

Golden, Zelma, Larchmont, N. Y. Dress. 129,448; Sept. 9.

Golden, Zelma, Larchmont, N. Y. Dress. 129,449. Sept. 9.

Golden, Zelma, Larchmont, N. Y. Dress. 129,450; Sept. 9.

Golden, Zelma, Larchmont, N. Y. Dress. 129,451; Sept. 9.

Golden, Zelma, Larchmont, N. Y. Dress. 129,452; Sept. 9.

Golden, Zelma, Larchmont, N. Y. Dress. 129,454; Sept. 9.

Golden, Zelma, Larchmont, N. Y. Dress. 129,455; Sept. 9.

Goldenstein, Philip, Brooklyn, N. Y. Scarf or similar article. 129,422; Sept. 9.

Goldenstein, Philip, Brooklyn, N. Y. Scarf or similar article. 129,423; Sept. 9.

Goodman, Herman E., New York, N. Y. Textile fabric. 129,424; Sept. 9.

Grand Rapids Store Equipment Company. See Clouse, Earl L., assignor.)

Greppin, Ernest H., Brighton, assignor to Wilmot Castle Company, Rochester, N. Y. Lighting fixture. 129,357; Sept. 9.

Greyhound Corporation, The. (See Loewy, Raymond, assignor.)

Guild, Lurelle, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa. Bowl or similar article. 129,358; Sept. 9.

Guild, Lurelle, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa. Blotter holder or similar article. 129,373; Sept. 9.

Guild, Lurelle, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa. Correspondence rack or similar article. 129,374; Sept. 9.

Guild, Lurelle, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa. Memorandum book cover or similar article. 129,375; Sept. 9.

Guttman, John B., Elmhurst, N. Y., assignor to Arrow Manufacturing Company, Incorporated, Hoboken, N. J. Display case. 129,392; Sept. 9.

Hamilton, Harold L., Los Altos, Calif., W. D. Otter, Oak Park, Ill., and P. A. Meyer, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich. Locomotive body. 129,409; Sept. 9.

Hamilton, Harold L., Los Altos, Calif., W. D. Otter, Oak Park, Ill., and P. A. Meyer, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich. Locomotive body. 129,410; Sept. 9.

Hastedt, John, co-executor. (See Biva, Lucien, assignor.)

Hat Corporation of America. (See Maxwell, P. M., and Lundberg, assignors.)

Hensley, Wayne, D., Santa Ana, Calif. Applicator for applying shaving cream and similar preparations. 129,393; Sept. 9.

Herbst, John, New York, N. Y. Figurine or similar article. 129,456; Sept. 9.

Herbst, John, New York, N. Y. Figurine or similar article. 129,457; Sept. 9.

Herbst, John, New York, N. Y. Figurine or similar article. 129,458; Sept. 9.

Herbst, John, New York, N. Y. Figurine or similar article. 129,459; Sept. 9.

Herbst, John, New York, N. Y. Figurine or similar article. 129,460; Sept. 9.

Herbst, John, New York, N. Y. Figurine or similar article. 129,461; Sept. 9.

Heuler, Carl A., Kansas City, Mo. Bottle carrier. 129,380; Sept. 9.

Heywood-Wakefield Company. (See Jiranek, Leo, assignor.)

Hodgman, Clare E., assignor to Sears, Roebuck and Co., Chicago, Ill. Combined latch handle and escutcheon. 129,394; Sept. 9.

Holt, William E., Oakland, Calif. Base housing for floor maintenance machines. 129,425; Sept. 9.

Houdaille-Hershey Corporation. (See Walker, George W., assignor.)

Jindrak, Leonard, New York, N. Y. Combined ash tray and pipe rest or similar article. 129,426; Sept. 9.

Jiranek, Leo, Scarsdale, N. Y., assignor to Heywood-Wakefield Company, Gardner, Mass. Bedstead. 129,359; Sept. 9.

Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Separable brooch or similar article. 129,427; Sept. 9.

Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Separable brooch or similar article. 129,428; Sept. 9.

Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Separable brooch or similar article. 129,429; Sept. 9.

Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 129,430; Sept. 9.

Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 129,431; Sept. 9.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 129,432; Sept. 9.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 129,433; Sept. 9.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 129,434; Sept. 9.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 129,435; Sept. 9.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 129,436; Sept. 9.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 129,437; Sept. 9.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 129,438; Sept. 9.
Keasbey & Mattison Company. (See Whittlesey, Henry C., assignor.)
Keller, Leonard, Ferndale, assignor to The Murray Corporation of America, Detroit, Mich. Bath tub. 129,381; Sept. 9.
Kensington, Incorporated. (See Guild, Lurelle, assignor.)
Kropp, Willis A., River Forest, assignor to Victor Adding Machine Company, Chicago, Ill. Casing for an adding machine. 129,415; Sept. 9.
Lewis, Florence N., New York, N. Y. Handbag. 129,395; Sept. 9.
Lipschitz, Abe, New York, N. Y. Lace or similar article. 129,360; Sept. 9.
Lipschitz, Abe, New York, N. Y. Lace or similar article. 129,361; Sept. 9.
Loewy, Raymond, New York, N. Y., assignor to The Greyhound Corporation, Chicago, Ill. Motor coach. 129,396; Sept. 9.
Loewy, Raymond, New York, N. Y., assignor to The Greyhound Corporation, Chicago, Ill. Motor coach. 129,411; Sept. 9.
Lundberg, Esther. (See Maxwell, P. M., and Lundberg.)
Maxwell, Paul M., Manhasset, and E. Lundberg, New York, N. Y., assignors to Hat Corporation of America, Norwalk, Conn. Hat. 129,397; Sept. 9.
McGaw, Foster G., Chicago, Ill. Combined card and tubing display. 129,398; Sept. 9.
Meyer, Paul A. (See Hamilton, H. L., Otter, and Meyer.)
Micro Switch Corporation. (See Eaton, Malcolm W., assignor.)
Mir, David, New York, N. Y. Brooch or similar article. 129,439; Sept. 9.
Movsesian, Charles, Cranston, R. I. Brooch. 129,399; Sept. 9.
Murray Corporation of America, The. (See Keller, Leonard, assignor.)
Nebesar, Robert J., Orlando, Fla. Amphibian airplane or the like. 129,412; Sept. 9.
New England Bedding Company. (See Feldman, Jacob C., assignor.)
Norris, Robert B., St. Louis Park, assignor to Schaefer, Inc., Minneapolis, Minn. Display cabinet. 129,400; Sept. 9.
Otter, William D. (See Hamilton, H. L., Otter, and Meyer.)
Peister, David L., New York, N. Y. Lace. 129,401; Sept. 9.
Pellegrin, Elmer D., Woodstock, assignor to Geo. D. Roper Corporation, Rockford, Ill. Combined top and back splash panel for ranges. 129,462; Sept. 9.
Pellegrin, Elmer D., Woodstock, assignor to Geo. D. Roper Corporation, Rockford, Ill. Gas range. 129,463; Sept. 9.
Pellegrin, Elmer D., Woodstock, assignor to Geo. D. Roper Corporation, Rockford, Ill. Gas range. 129,464; Sept. 9.
Pellegrin, Elmer D., Woodstock, assignor to Geo. D. Roper Corporation, Rockford, Ill. Range. 129,465; Sept. 9.
Pellegrin, Elmer D., Woodstock, assignor to Geo. D. Roper Corporation, Rockford, Ill. Range. 129,466; Sept. 9.
Pellegrin, Elmer D., Woodstock, assignor to Geo. D. Roper Corporation, Rockford, Ill. Combined range and kitchen heater. 129,467; Sept. 9.
Phillippe, Alfred, New York, N. Y. Brooch or similar article. 129,440; Sept. 9.
Phillippe, Alfred, New York, N. Y. Pin clip. 129,441; Sept. 9.
Phillippe, Alfred, New York, N. Y. Pin clip. 129,442; Sept. 9.
Phillippe, Alfred, New York, N. Y. Pin clip. 129,443; Sept. 9.
Phillippe, Alfred, New York, N. Y. Brooch or similar article. 129,444; Sept. 9.
Phillippe, Alfred, New York, N. Y. Brooch or similar article. 129,445; Sept. 9.
Pieper, Alphonse F., Brighton, N. Y. Lighting unit. 129,362; Sept. 9.
Pittsburgh Reflector Company. (See Pracht, Henry K., assignor.)
Pracht, Henry K., Irwin, assignor to Pittsburgh Reflector Company, Pittsburgh, Pa. Lighting fixture or similar device. 129,363.
Pracht, Henry K., Irwin, assignor to Pittsburgh Reflector Company Pittsburgh, Pa. Lighting fixture or similar article. 129,364; Sept. 9.
Record Lace & Embroidery Company, (See Aemisegger, Jean, assignor.)
Reimer, Leo, New York, N. Y. Furniture flower stand or similar article. 129,382; Sept. 9.
Roper, Geo. D., Corporation. (See Pellegrin, Elmer D., assignor.)
Roschen, William E., co-executor. (See Biva, Lucien, assignor.)
Rosenstein, Nettie, New York, N. Y. Dress. 129,468; Sept. 9.
Rottenberg, Leon M., assignor to Wool Novelty Co. Inc., New York, N. Y. Knitted textile fabric or similar article. 129,383; Sept. 9.
Rubin, Jack, New York, N. Y. Textile fabric. 129,416; Sept. 9.
Sanford, Roy S., assignor to Autoyre Company, Incorporated, Oakville, Conn. Towel bar. 129,365; Sept. 9.
Saunders, Belle, New York, N. Y. Dress. 129,453; Sept. 9.
Schaefer, Inc. (See Norris, Robert B., assignor.)
Schindler, Cyril B., New Orleans, La. Identification tag for a bracelet or the like. 129,402; Sept. 9.
Sears, Roebuck and Co. (See Hodgman, Clare E., assignor.)
Sedgwick, William, assignor to C. E. Erickson Company Incorporated, Des Moines, Iowa. Bottle holder. 129,403; Sept. 9.
Shapiro, Nat, New York, N. Y. Dress. 129,404; Sept. 9.
Sheaffer, W. A., Pen Company. (See Sheaffer, Walter A., assignor.)
Sheaffer, Walter A., assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa. Reservoir desk stand. 129,376; Sept. 9.
Sheild, Frances A., Elmhurst, N. Y., assignor to Celanese Corporation of America. Textile fabric. 129,377; Sept. 9.
Sovereign Grand Lodge of the I. O. O. F. (See Wilmarth, Edwin R., assignor.)
Stewart, James E., Rye, N. Y. Vending machine cabinet. 129,405; Sept. 9.
Timme, E. F. & Son. (See Biva, Lucien, assignor.)
Tishock, Evan T., Cleveland, Ohio. Game board. 129,384; Sept. 9.
Victor Adding Machine Company. (See Kropp, Willis, assignor.)
Wadely, Harold E., Scarsdale, N. Y. Pile fabric. 129,366; Sept. 9.
Wadely, Harold E., Scarsdale, N. Y. Pile fabric. 129,367; Sept. 9.
Walker, George W., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Automobile bumper or similar article. 129,417; Sept. 9.
Walker, George W., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Automobile bumper or similar article. 129,418; Sept. 9.
Walker, George W., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Automobile bumper or similar article. 129,419; Sept. 9.
Weinberg, Albert B., Merrick, N. Y. Dress. 129,385; Sept. 9.
Whittlesey, Henry C., Gladwyne, assignor to Keasbey & Mattison Company, Ambler, Pa. Advertising display placard or the like. 129,406; Sept. 9.
Willard Storage Battery Company. (See Demko, Julius J., assignor.)
Wilmarth, Edwin R., Attleboro Falls, Mass., assignor to Sovereign Grand Lodge of the I. O. O. F., Baltimore, Md. Regalia for a fraternal organization. 129,386; Sept. 9.
Wilmarth, Edwin R., Attleboro Falls, Mass., assignor to Sovereign Grand Lodge of the I. O. O. F., Baltimore, Md. Regalia for a fraternal organization. 129,407; Sept. 9.
Wilmot Castle Company. (See Greppin, Ernest H., assignor.
Wool Novelty Co., Inc. (See Rottenberg, Leon M., assignor.)

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 9TH DAY OF SEPTEMBER, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott Laboratories. (See Moore, Marjorie B., assignor.)
Acme Newspictures, Inc. (See Thompson, Louis A., assignor.)
Adlake Company, The. (See Larson, Carl H., assignor.)
Aeppli, Albert, assignor to Maag-Zahnräder und Maschinen A. G., Zurich, Switzerland. Gear cutting machine. 2,255,004; Sept. 9.
Air Equipment. (See Waseige, Charles R., assignor.)
Aktiebolaget Facit. (See Carlström, Bengt, assignor.)
Aktiebolaget Westeråsmaskiner. (See Knallmann, Alwin K., assignor.)
Aktiengesellschaft Brown, Boveri, & Cie. (See Thommen, Hans, assignor.)
Alexander, Stanford, New York, N. Y., assignor to Saqui & Co., Inc. Sportswear. 2,255,143; Sept. 9.
Allen, Frank B., Lower Merion Township, Montgomery County, assignor to The Allen-Sherman-Hoff Company, Philadelphia, Pa. Pump volute liner. 2,255,239; Sept. 9.
Allen Industries, Inc. (See Gordon, Jack C., assignor.)
Allen-Sherman-Hoff Company, The. (See Allen, Frank B., assignor.)
Allenby, William F., Stratford, Conn., assignor to General Electric Company. Food working device. 2,255,478; Sept. 9.
Allison, Ralph E., assignor of one-half to W. E. Lehnert, Minneapolis, Minn. Signal generator output equalizer. 2,255,727; Sept. 9.
American Broach & Machine Co. (See Lapointe, Francis J., assignor.)
American Can Company. (See Koehler, Paul, assignor.)
American Crayon Company, The. (See Rogers, Francis, assignor.)
American Cyanamid Company. (See Ham, G. P., and Barnes, assignors.)
American Engineering Company. (See Sauter, W. V., and Lawrence, assignors.)
American Fork & Hoe Company, The. (See Cowdery, R. A., and Jenkins, assignors.)
American Hardware Corporation, The. (See Fletcher, Irving J., assignor.)
American Hardware Corporation, The. (See Vile, Norman J., assignor.)
American Optical Company. (See Splaine, Edward M., assignor.)
American Seating Company. (See Morgan, Erving B., assignor.)
American Steel Foundries. (See Baselt, Walter H., assignor.)
Anaconda Wire & Cable Company. (See Olson, John W., assignor.)
Anderegg, Frederick O., Newark, Ohio. Dehumidifying material. 2,255,041; Sept. 9.
Anderson, John W., Gary, Ind., assignor to Productive Inventions, Inc. Cleaning pad. 2,255,497; Sept. 9.
Anderson, Raymond J. (See Heath, S. B., and Anderson.)
Anderson, Walter A., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Totalizer selecting mechanism for accounting machines. 2,255,557; Sept. 9.
Annin, Douglas H., San Francisco, Calif., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Condition controller. 2,255,639; Sept. 9.
Anthracite Industries, Inc. (See Crowley, Charles L., assignor.)
Apex Tool & Cutter Company, The. (See Severson, Ole, assignor.)
Appleton Supply Co. (See Gabriel, Frank E., assignor.)
Armour and Company. (See Peters, Leo, assignor.)
Armstrong, George C., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Overload relay. 2,255,638; Sept. 9.
Arnesen, Charlotte A., Chicago, Ill. Can opener. 2,255,640; Sept. 9.
Arnesen, Charlotte A., Chicago, Ill. Can opener. 2,255,641; Sept. 9.
Arnold, George E. (See Hunn, Oliver W.)
Artzt, Maurice, Haddonfield, N. J., assignor to Radio Corporation of America. Multiple channel signal transmission system. 2,255,642; Sept. 9.
Atwood Machine Company. (See Fraser, William McL., assignor.)
Auer, László, Corona, N. Y., assignor, by mesne assignments, to Gulf Oil Corporation, Pittsburgh, Pa. Mineral oil composition and making the same. 2,255,606; Sept. 9.
Automatic Electrical Devices, Inc. (See Moorefield, William P., assignor.)
Automatic Turbine Drive Company. (See Popper, Isaac C., assignor.)
Automatic Voting Machine Corporation. (See Gustavson, Alvin N., assignor.)
Automotive Products Company Limited. (See Simpson, John K., assignor.)
Auto Specialties Manufacturing Company. (See Lucker, Millard B., assignor.)
Ayers, Joseph W., Easton, Pa., and G. Plews, Berkeley, Calif., assignors to C. K. Williams & Co., Easton, Pa. Production of synthetic hydrated iron oxides. 2,255,607; Sept. 9.
B. B. Chemical Co. (See Griswold, Stanley M., assignor.)
B. W. Manufacturing Company. (See Berkebill, Lee, assignor.)
Babcock & Wilcox Company, The. (See Norton, Frederick H., assignor.)
Babcock & Wilcox Company, The. (See Savoye, Charles U., assignor.)
Babcock & Wilcox Company, The. (See Tollow, Frederick S., assignor.)
Babillis, Alexander, Pittsfield, Mass., assignor to General Electric Company. Condenser winding machine. 2,255,498; Sept. 9.
Backus, Albert, San Francisco, Calif. Tobacco pipe. 2,255,144; Sept. 9.
Bailey Meter Company. (See Dickey, Paul S., assignor.)
Bailey Meter Company. (See Gorrie, Harvard H., assignor.)
Baily, Robert W., Philadelphia, Pa. Apparatus and method for making concrete roadways. 2,255,342; Sept. 9.
Baily, Robert W., Philadelphia, Pa. Apparatus for making concrete pavements. 2,255,343; Sept. 9.
Baily, Robert W., Narberth, Pa. Apparatus for consolidating plastic materials by means of internally applied vibrations. 2,255,344; Sept. 9.
Baily, Robert W., Narberth, Pa. Apparatus and method for making concrete roadways. 2,255,345; Sept. 9.
Baily, Robert W., Narberth, Pa. Apparatus for making concrete roadways. 2,255,346; Sept. 9.
Baker, Charles S., and A. O. Carpenter, Corning, assignors to Ingersoll-Rand Company, New York, N. Y. Controlling device. 2,255,095; Sept. 9.
Baker, Clyde A., Corning, N. Y., assignor, by mesne assignments, to Owens-Corning Fiberglas Corporation. Electric furnace. 2,255,578; Sept. 9.
Baker, Lewis T., Jacksonville, Fla. Distilling turpentine gum. 2,255,145; Sept. 9.
Bales, James E. (See Loeb, F. F., and Bales.)
Barkelj, Jean A. H., Altadena, Calif. Power transmission. 2,255,738; Sept. 9.
Barnes Drill Co. (See Holland, Chester O., assignor.)
Barnes, Robert B. (See Ham, G. P., and Barnes.)
Barnett, Herbert. (See Nickerson, F. W., Moore, and Barnett.)
Barringer, Elmer D., Cleveland, Ohio. Weather-strip gauge. 2,255,307; Sept. 9.
Barrow, Wilmer L., Newton, Mass., assignor to Research Corporation, New York, N. Y. Electromagnetic horn. 2,255,042; Sept. 9.
Baselt, Walter H., assignor to American Steel Foundries, Chicago, Ill. Brake arrangement. 2,255,728; Sept. 9.
Battelle Memorial Institute. (See Jackson, Lloyd R., assignor.)
Batten, Percy H., trustee, et al. (See Lysholm, A., and Boestad, assignors.)
Baumgarten, Imre, assignor to Arnold Teltsch, Budapest, Hungary. Circular loom. 2,255,608; Sept. 9.
Beale, Edward B., Rockville, Md. Disinfectant composition. 2,255,694; Sept. 9.
Beamer, Clayton M. (See Cohen, C. A., and Beamer.)
Beatty, George W., Decatur, Ill., assignor to Government of the United States of America, represented by the Secretary of War. Fuse setting machine. 2,255,043; Sept. 9.
Becker, George W., Silver Lake, assignor, by mesne assignments, to The Dill Manufacturing Company, Cleveland, Ohio. Valve stem for inner tubes. 2,255,146; Sept. 9.
Becker, Gottfried. (See Daeves, K., Becker, and Steinberg.)
Becker, Joseph, assignor to Koppers Company, Pittsburgh, Pa. Coking retort oven. 2,255,406; Sept. 9.
Beimer, George M., Lodi, assignor to Couse Laboratories, Inc., Newark, N. J. Cab-over-engine gearshift means. 2,255,643; Sept. 9.
Bell Telephone Laboratories, Inc. (See Bonorden, Allen R., assignor.)
Bendix Aviation Corporation. (See Tognola, Tullio, assignor.)
Bendix Radio Corporation. (See Frazier, Radford K., assignor.)
Benner, Raymond C. (See Melton, R. L., Benner, and Kirchner.)

Berger, Julius, Berlin-Wilhelmsruh, R. Kaiser, Hohenneuendorf, near Berlin, and W. Zurmühlen, Wandlitz, near Berlin, Germany, assignors to Michigan Patents Corporation, Jackson, Mich. Tube coupling. 2,255,593; Sept. 9.

Berkebil, Lee, assignor to B. W. Manufacturing Company, Detroit, Mich. Heading machine. 2,255,096; Sept. 9.

Berkebil, Lee, assignor to B. W. Manufacturing Company, Detroit, Mich. Combined feeding and cold drawing mechanism for heading machines and the like. 2,255,097; Sept. 9.

Berndt, Karl, Sehma, Germany. Apparatus for the twist-spinning of artificial threads. 2,255,594; Sept. 9.

Bernstein, Herman, Brooklyn, N. Y. Eyelash curler. 2,255,008; Sept. 9.

Best, George E., Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Metal powder. 2,255,204; Sept. 9.

Beverage, Harold H., Riverhead, N. Y., assignor to Radio Corporation of America. System for noise reduction in amplifiers. 2,255,374; Sept. 9.

Biner, George M., Los Angeles, Calif. Labeling machine. 2,255,308; Sept. 9.

Bird, Len O., Glendale, assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Hauling scraper. 2,255,240; Sept. 9.

Bird Machine Co. (See Lynns, Sanford C., assignor.)

Bird & Son, Inc. (See Odell, Leslie S., assignor.)

Birr, Rudolph G. (See Steiner, F. G., and Birr.)

Birr, Rudolph G., Lombard, and A. C. Grunwald, River Forest, Ill., assignors to Steiner Sales Company, Salt Lake City, Utah. Towel dispensing cabinet. 2,255,609; Sept. 9.

Bish, Raymond H. (See Nichols, C. A., and Bish.)

Bishop & Babcock Manufacturing Co., The. (See Fisher, Smith D., assignor.)

Blackstock, Gibbs, Toronto, Ontario, Canada. Reversible freewheel device. 2,255,309; Sept. 9.

Blaha, Leopold, Nuremberg, Germany, assignor to General Electric Company. Electric hot plate. 2,255,499; Sept. 9.

Blaha, Leopold, Nuremberg, Germany, assignor to General Electric Company. Electric hot plate. 2,255,500; Sept. 9.

Blake, Alfred E., Caldwell, N. J. Furnace grate. 2,255,373; Sept. 9.

Blake, Alfred E., Caldwell, N. J. Gas producer. 2,255,375; Sept. 9.

Blanchard, Joseph G., assignor of one-half to C. G. Vokes, London, England. Exhaust silencer. 2,255,579; Sept. 9.

Blanchard, Milton J., Buffalo, N. Y. Container or like article of manufacture. 2,255,444; Sept. 9.

Blaney, Arthur C., Los Angeles, Calif., assignor to Radio Corporation of America. Sound film printing. 2,255,644; Sept. 9.

Bligh, Norman R., North Wembley, and C. N. Smyth, Sidcup, assignor, by mesne assignments, to Haxeltine Corporation, Jersey City, N. J. Automatic selectivity control system. 2,255,645; Sept. 9.

Bluemle, Arnold A., and W. E. Brown, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Switch mechanism. 2,255,552; Sept. 9.

Blume, Louis F., Pittsfield, Mass., assignor to General Electric Company. Electric switch. 2,255,501; Sept. 9.

Boestad, Gustav K. W. (See Lysholm, A., and Boestad, assignors.)

Höhm, Erich. (See Sabalitschka, T., and Höhm.)

Bonorden, Allen R., Plainfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,255,595; Sept. 9.

Bonorden, Allen R., Plainfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Teletypewriter switching system. 2,255,596; Sept. 9.

Borg-Warner Corporation. (See Ewing, Walkley B., assignor.)

Borg-Warner Corporation. (See Hubacker, Earl F., assignor.)

Borg-Warner Corporation. (See Simpson, John M., assignor.)

Borg-Warner Corporation. (See Warner, Archibald A., assignor.)

Bourdin, Sylvain, G. (See Meneux, C., Bourdin, and Chaussé.)

Bousman, Henry W., Scotia, N. Y., assignor to General Electric Company. Crest voltmeter. 2,255,502; Sept. 9.

Bower Roller Bearing Company. (See Ortegren, H. A., and Howenstine, assignors.)

Bower, William L. (See Swain, G., and Bower.)

Bowser, S. F., & Company. (See Marvel, Harvey E., assignor.)

Bradley Washfountain Company. (See Mullett, Howard A., assignor.)

Bradley, William E., assignor to Union Oil Company of California, Los Angeles, Calif. Alkylation with chlorosulphonic acid. 2,255,610; Sept. 9.

Brady, David R., assignor to D. R. Brady and J. W. Davis, as joint trustees for Brady Research Company, Detroit, Mich. Posture guide. 2,255,100; Sept. 9.

Brady, David R., assignor to D. R. Brady and J. W. Davis, as joint trustees for Brady Research Company, Detroit, Mich. Visual fitting shoe. 2,255,099; Sept. 9.

Brady, John B. (See Halstead, William S., assignor.)

Brady Research Company. (See Brady, David R.)

Breese, James L., assignor to Oil Devices, Santa Fe, N. Mex. Fuel feed means for hinged liquid fuel burners. 2,255,276; Sept. 9.

Brewer, William B., C. L. Frost and H. Karg, assignors to Master Tire & Rubber Corporation, Findlay, Ohio. Tire making machine. 2,255,646; Sept. 9.

Brigham, Arthur E. (See Sawdon, V. J., and Brigham.)

Britton, Edgar C., and W. J. Le Fevre, assignors to The Dow Chemical Company, Midland, Mich. Purification of vinyl aromatic resins. 2,255,729; Sept. 9.

Broido, Daniel, Belsize Park, London, England. Combined calculating, registering, and ticket printing machine. 2,255,147; Sept. 9.

Broido, Daniel, London, England. Device for reading and analysing record cards. 2,255,148; Sept. 9.

Bronson, Emerson C., Omro, Wis. Combination marker and flower holder. 2,255,277; Sept. 9.

Brooker, Leslie G. S., assignor to Eastman Kodak Company, Rochester, N. Y. Quinrhodine quaternary salts and dyes therefrom. 2,255,407; Sept. 9.

Brown, Floyd de L., New York, N. Y. Automotive device. 2,255,347; Sept. 9.

Brown, Floyd de L., New York, N. Y. Motor vehicle. 2,255,348; Sept. 9.

Brown, Hugh S., Harvey, Ill., assignor to The Hubron Company, Inc., Somerville, N. J. Apparatus for inclined earth drilling. 2,255,241; Sept. 9.

Brown Instrument Company, The. (See Schmitt, Henry M., assignor.)

Brown, Joseph H., Brooklyn, N. Y. Hat fastener. 2,255,611; Sept. 9.

Brown, William E. (See Bluemle, A. A., and Brown.)

Brown, William R., Cleveland, Ohio. Convertible seat. 2,255,647; Sept. 9.

Brunstrum, Lawrence C., assignor to Standard Oil Company, Chicago, Ill. Short fiber grease. 2,255,278; Sept. 9.

Brusell, Ernest J., St. Paul, Minn. Eyeglass. 2,255,149; Sept. 9.

Bryan, Thomas E., Fort Worth, Tex. Gas lift apparatus. 2,255,648; Sept. 9.

Buckeye Incubator Company, The. (See Gedge, Charles F., assignor.)

Buckley Music System, Inc. (See Henry, Earle G., assignor.)

Bull, Arthur W., Grosse Pointe, and G. G. Havens, Detroit, Mich., assignors to United States Rubber Company, New York, N. Y. Electrical heating unit and pad. 2,255,376; Sept. 9.

Bull, Clinton H. M., Grove City, Ohio. Sucker rod locking means. 2,255,695; Sept. 9.

Bulldog Electric Products Company. (See Platz, Elwood T., assignor.)

Bundy Tubing Company. (See Quarnstrom, Bert L., assignor.)

Burke, James P., Knoxville, Tenn., assignor to F. L. McLaughlin, Detroit, Mich. Cage nut. 2,255,101; Sept. 9.

Burke, James P., Knoxville, Tenn., assignor to B. L. Quarnstrom and F. L. McLaughlin, Detroit, Mich. Nut. 2,255,649; Sept. 9.

Burke, James P., Knoxville, Tenn., assignor to B. L. Quarnstrom and F. L. McLaughlin, Detroit, Mich. Self-anchoring nut. 2,255,650; Sept. 9.

Butler, John T., and C. A. Sylvester, Pasadena, Calif. Venetian blind. 2,255,311; Sept. 9.

Byers, John R., Jr. (See Dickey, J. B., and Byers.)

California Cedar Products Company. (See Wilcox, W. H., and Hagan, assignors.)

California Fruit Growers Exchange. (See Wilson, Clarence W., assignor.)

Callaway, Hal, Los Angeles, Calif. Flashing. 2,255,279; Sept. 9.

Cameron, Daniel D., San Francisco, Calif. Vending machine. 2,255,538; Sept. 9.

Carbary, Richard J., Erie, Pa., assignor to General Electric Company. Ventilated food storage receptacle. 2,255,503; Sept. 9.

Carbide and Carbon Chemicals Corporation. (See Fife, Harvey R., assignor.)

Carborundum Company, The. (See Melton, R. L., Benner, and Kirchner, assignors.)

Carlisle, Richard W., Elmsford, N. Y. Facsimile system. 2,255,408; Sept. 9.

Carlson, Fritz O., assignor to Hobbs Manufacturing Company, Worcester, Mass. Die press. 2,255,377; Sept. 9.

Carlström, Bengt, assignor to Aktiebolaget Facit, Atvidaberg, Sweden. Adding and calculating machine. 2,255,102; Sept. 9.

Carmody, William H., assignor to The Neville Company, Pittsburgh, Pa. Cyclopentadiene resin. 2,255,409; Sept. 9.

Carpenter, Allan O. (See Baker, C. S., and Carpenter.)

Carr, Elton G., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Last jack. 2,255,150; Sept. 9.

Carter Carburetor Corporation. (See Moseley, James T., assignor.)

Carton, Arthur B. (See Moore, David P., assignor.)

Case, J. I., Company. (See Crawford, John F., assignor.)

Case, Lynn B., assignor to John Waldron Corporation, New Brunswick, N. J. Ink distributing device. 2,255,410; Sept. 9.

Cedarhurst Machinery Corporation. (See Frankel, Edward M., assignor.)

Celanese Corporation of America. (See Seymour, G. W., and Ward, assignors.)

Celotex Corporation, The. (See Sorensen, Louis N., assignor.)

Celluloid Corporation. (See Helmstaedter, William E., assignor.)

Chamouton, Claude F. A., Paris, France, assignor to Societe de Constructions Mecaniques de Stains. Filtering element. 2,255,205; Sept. 9.

Chaussé, Louis. (See Meneux, C., Bourdin, and Chaussé.)

Chenoweth, Ray M. (See Mattingly, H. W., Irwin, Lewis, Duval, Chenoweth, and Whitehead.)

Chicago By-Products Corporation. (See Wittmann, Robert A., assignor.)

Christmas, Henry N., Mount Vernon, assignor to E. P. Sniffen, New York, N. Y. Burner. 2,255,349; Sept. 9.

Chromogen, Incorporated. (See Gáspár, Béla, assignor.)

Chrysler Corporation. (See Hansen, Wray C., assignor.)

Chrysler Corporation. (See Janeway, Robert N., assignor.)

Clarke, Varro J., Schenectady, N. Y., assignor to General Electric Company. Automatic level control decoupler. 2,255,479; Sept. 9.

Clarkson, Douglas R., assignor to E. Van Gorder, Buffalo, N. Y. Production of sulphuric acid and iron oxide from waste pickling acid. 2,255,445; Sept. 9.

Clarkson, Douglas R., assignor to E. Van Gorder, Buffalo, N. Y. Apparatus for treatment of iron sulphate. 2,255,539; Sept. 9.

Claytor, Edward M., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Air switch. 2,255,556; Sept. 9.

Clements, MacMillan, Schenectady, N. Y. Method and product of joining material. 2,255,151; Sept. 9.

Cleveland Graphite Bronze Company, The. (See Schwartz, Donald L. V., assignor.)

Clifford, Sydney G., assignor to Waterlow & Sons Limited, London, England. Safeguarding bank notes, bonds, and like documents of value from fraudulent imitation. 2,255,696; Sept. 9.

Cloutier, Arthur N. (See Lawson, R. H., and Cloutier.)

Cohen, Charles A., Elizabeth, and C. M. Beamer, Roselle, N. J., assignors to Standard Alcohol Co. Manufacture of glycols. 2,255,411; Sept. 9.

Cohen, Joseph H., Bridgeport, Conn. Windshield heater. 2,255,412; Sept. 9.

Cohn, Goldie, Dallas, Tex. Maternity garment. 2,255,697; Sept. 9.

Colchester, Christopher D., Sanderstead, England, assignor to Radio Corporation of America. Demodulator system. 2,255,378; Sept. 9.

Cole, Nelson E. (See Heasley, L. E., Covell, and Cole.)

Colegrove, Nathaniel E., assignor to White Sewing Machine Corporation, Cleveland, Ohio. Bobbin winder for sewing machines. 2,255,152; Sept. 9.

Colgate-Palmolive-Peet Company. (See Ross, J., and Kirschenbauer, assignors).

Color Research Corporation. (See Grimson, Samuel B., assignor.)

Columbia Ribbon and Carbon Manufacturing Company. (See Dixon, Harold F. E., assignor.)

Columbia Ribbon and Carbon Manufacturing Company. (See Dixon, Lewis M., assignor.)

Colvin, Donald, San Francisco, Calif. Dispensing device. 2,255,280; Sept. 9.

Concord Chenille Co. (See Unger, Abraham, assignor.)

Concord Knitting Company. (See Coren, Everett F., assignor.)

Conlon Corporation. (See Mueller, Frederick K., assignor.)

Connor, Anthony W., Tampa, and C. Peterson, Sulphur Springs, Fla. Form for concrete steps. 2,255,480; Sept. 9.

Consolidated Expanded Metal Companies, The. (See McGee, R. T., and Cross, assignors.)

Continental Can Company. (See Hare, Laurence V., assignor.)

Continental Can Company. (See Kronquest, A. L., and Schmitt, assignors.)

Continental Electric Company. (See Gulow, Anders, assignor.)

Continental Machines, Incorporated. (See Wilkie, Robert J., assignor.)

Continental Rubber Works. (See Trescher, Joseph E., assignor.)

Continental Scale Corporation. (See Garbell, Max, assignor.)

Cooke, Ernest A., assignor to Kapella Limited, Leicester, England. Engraving machine. 2,255,698; Sept. 9.

Cooke, Ernest A., Leicester, England. Engraving machine. 2,255,699; Sept. 9.

Coons, Curtis C., assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,255,413; Sept. 9.

Coons, Curtis C., assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,255,414; Sept. 9.

Coons, Curtis C., North Canton, and W. H. Kitto, Canton, assignors to The Hoover Company, North Canton, Ohio. Refrigeration. 2,255,415; Sept. 9.

Cooperative Development Co. (See Mattingly, H. W., Irwin, Lewis, Duval, Chenoweth, and Whitehead.)

Coren, Everett F., assignor to Concord Knitting Company, Concord, N. C. Looper tensioning device. 2,255,416; Sept. 9.

Corkery, Frank W., Crafton, Pa., assignor to Pennsylvania Industrial Chemical Corporation. Wax substitute. 2,255,242; Sept. 9.

Corning Glass Works. (See Dalton, Robert H., assignor.)

Corning Glass Works. (See Willis, Sanford L., assignor.)

Couse Laboratories, Inc. (See Beimer, George M., assignor.)

Covell, Harold S. (See Heasly, L. E., Covell, and Cole.)

Cowdery, Robert A., Geneva, and H. L. Jenkins, Springfield, assignor to The American Fork & Hoe Company, Cleveland, Ohio. Rotary radio antenna element. 2,255,446; Sept. 9.

Cowles, Martha L., Atlantic City, N. J. Rest easy. 2,255,462; Sept. 9.

Crabb, James M., Sr., Lockport, Ill. Perpetual calendar. 2,255,700; Sept. 9.

Crawford, John F., assignor to J. I. Case Company, Racine, Wis. Furnace charging means. 2,255,379; Sept. 9.

Crosley Corporation, The. (See Rockwell, Ronald J., assignor.)

Cross, Leonard W. (See McGee, R. T., and Cross.)

Cross, Ralph E., Detroit, Mich. Milling machine. 2,255,651; Sept. 9.

Crowley, Charles L., Philadelphia, Pa., assignor to Anthracite Industries, Inc., New York, N. Y. Retort for coal stokers. 2,255,481; Sept. 9.

Crowley, John C., Cleveland Heights, Ohio. Freezing tray. 2,255,153; Sept. 9.

Crown Stove Works. (See Rogers, Walter F., assignor.)

Cunningham, Vincent W. (See Nielsen, Emanuel, assignor.)

Cunningham, Vincent W. (See Nielsen, E., Mross, and Cunningham.)

Current, Wertus G., assignor to The Garlock Packing Company, Palmyra, N. Y. Making laminated packing. 2,255,504; Sept. 9.

Curtis, Myron S., assignor, by mesne assignments, to Potter & Johnson Machine Company, Pawtucket, R. I. Machine tool. 2,255,739; Sept. 9.

Curtis, Oscar E., Mount Pulaski, Ill. Convertible disk harrow. 2,255,380; Sept. 9.

Cutler-Hammer, Inc. (See Lassen, Elvind U., assignor.)

Cypser, Hugo F. (See Tool, C., and Cypser.)

Daeves, Karl, and G. Becker, Dusseldorf, and F. Steinberg, Krefeld, Germany. Process which consists in causing chromium to diffuse. 2,255,482; Sept. 9.

Dain Manufacturing Company of Iowa. (See Jones, F. D., and McClellan, assignors.)

D'Alelio, Gaetano F., Pittsfield, Mass., assignor to General Electric Company. Inhibited polymerizable unsaturated organic compound. 2,255,483; Sept. 9.

Dalton, Robert H., assignor to Corning Glass Works, Corning, N. Y. Glass composition. 2,255,558; Sept. 9.

Daniel, Karl, Cologne-Sulz, Germany. Producing endless sound-recording tapes joined together in crossed fashion. 2,255,559; Sept. 9.

D'Arcey, John, Swampscott, Mass. Oil gauge. 2,255,310; Sept. 9.

Davis, Bertha J. (See Davis, Evan J. and B. J.)

Davis Brake Beam Company. (See Stillwagon, Charles K., assignor.)

Davis, Evan J. and B. J., Yakima, Wash. Table. 2,255,654; Sept. 9.

Davis, J. Windsor, joint trustee, et al. (See Brady, David R.)

Dawson, John W., Auburndale, Mass., and H. C. Jenks, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control apparatus. 2,255,652; Sept. 9.

Dawson, John W., and W. M. Dehn, Seattle, Wash. Sensitized explosive. 2,255,653; Sept. 9.

Dawson, William, Toronto, Ontario, Canada. Triple mirror illuminated compact. 2,255,312; Sept. 9.

Deere & Company. (See Dort, Russell L., assignor.)

Delamere Company. (See Huppert, William, assignor.)

Dehn, William M. (See Dawson, J. W., and Dehn.)

Denneen, Francis S., Cleveland, and W. C. Dunn, Shaker Heights, assignors to The Ohio Crankshaft Company, Cleveland, Ohio. Equipment for electric heating. 2,255,103; Sept. 9.

Denning, J. Wayne, Joliet, Ill. Picket fence making machine. 2,255,655; Sept. 9.

Detroit Harvester Company. (See Kost, Harold W., assignor.)

Devlin, James E., Worcester, Mass. Cross chain for automobile tires. 2,255,350; Sept. 9.

Deyrup, Alden J., Elizabeth, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Low-melting decorative glaze of increased resistance to chemical agents. 2,255,044; Sept. 9.

Dickey, Joseph B., and J. R. Byers, Jr., assignors to Eastman Kodak Company, Rochester, N. Y. Anthraquinone compounds. 2,255,045; Sept. 9.

Dickey, Paul S., Cleveland, Ohio, assignor to Bailey Meter Company. Control system. 2,255,612; Sept. 9.

Diebold, Adolf. (See Hopff, H., and Diebold.)

Diehl, Walter S., U. S. Navy. Seaplane wing float. 2,255,046; Sept. 9.

Dieselair Corporation. (See Dressler, Adolph C., assignor.)

Dill Manufacturing Company, The. (See Becker, George W., assignor.)

Ditto, Incorporated. (See Wilderson, Ell, assignor.)
Dixon, Harold F. E., Douglaston, assignor to Columbia Ribbon and Carbon Manufacturing Company, Inc., Glen Cove, N. Y. Typewriter ribbon. 2,255,104; Sept. 9.
Dixon, Lewis M., Sea Cliff, assignor to Columbia Ribbon and Carbon Manufacturing Company, Inc., Glen Cove, N. Y. Colloidal mill. 2,255,105; Sept. 9.
Dome, Robert B., Bridgeport, Conn., assignor to General Electric Company. Automatic background control for television systems. 2,255,484; Sept. 9.
Dome, Robert B., Bridgeport, Conn., assignor to General Electric Company. Television receiver. 2,255,485; Sept. 9.
Doran, John H., Scotia, N. Y., assignor to General Electric Company. Elastic fluid turbine bucket wheel. 2,255,486; Sept. 9.
Dort, Russell L., Davenport, Iowa, assignor to Deere & Company, Moline, Ill. Wagon hitch. 2,255,281; Sept. 9.
Dow Chemical Company, The. (See Britton, E. C., and Le Fevre, assignors.)
Dow Chemical Company, The. (See Heath, S. B., and Anderson, assignors.)
Dow Chemical Company, The. (See Moyle, Clarence L., assignor.)
Downing, Frederick B., and C. J. Pedersen, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilization of organic substances. 2,255,597; Sept. 9.
Dreffein, Henry A., Chicago, Ill. Combustion apparatus. 2,255,540; Sept. 9.
Dreher, Elmer H., Rockville Centre, Long Island, assignor to Remington Rand Inc., Buffalo, N. Y. Tabulating machine. 2,255,656; Sept. 9.
Dremel, Albert J., Racine, Wis. Tool adapter. 2,255,541; Sept. 9.
Dressler, Adolph C., assignor to Dieselair Corporation, Miami, Okla. Automatic control head for breather systems. 2,255,351; Sept. 9.
Duffy, James T., Jr., and P. Jackson, assignors to Read Machinery Co. Inc., York, Pa. Bread manufacturing process. 2,255,282; Sept. 9.
Duisberg, Walter H. (See Fick, R., and Wintersberger, assignors.)
Duisberg, Walther H. (See Haltmeier, Alfred, assignor.)
Duncan, Frank O., Oklahoma City, Okla. Motor vehicle turn signal. 2,255,701; Sept. 9.
Duncan, James K., assignor to United States Gypsum Company, Chicago, Ill. Apparatus for providing uniformly graded fibrous materials. 2,255,206; Sept. 9.
Dunham, George W., Westport, Conn., assignor to General Electric Company. Washing machine. 2,255,505; Sept. 9.
Dunn, William C. (See Denneen, F. S., and Dunn.)
Du Pont, E. I., de Nemours & Company. (See Deyrup, Alden J., assignor.)
Du Pont, E. I., de Nemours & Company. (See Downing, F. B., and Pedersen, assignors.)
Du Pont, E. I., de Nemours & Company. (See Holt, Donald A., assignor.)
Du Pont, E. I., de Nemours & Company. (See Salsberg, Paul L., assignor.)
Du Pont, E. I., de Nemours & Company. (See Tinker, J. M., and Kvalnes, assignors.)
Du Pont Film Manufacturing Corporation. (See Middleton, Edmund B., assignor.)
Durliron Company, The. (See Jacobsen, Oystein, assignor.)
Duval, Richard H. (See Mattingly, H. W., Irwin, Lewis, Duval, Chenoweth, and Whitehead.)
Eagle Electric Mfg. Co. Inc. (See Schoenberg, Benjamin, assignor.)
Eastman Kodak Company. (See Brooker, Leslie G. S., assignor.)
Eastern Specialty Company, The. (See Markley, Kenneth C., assignor.)
Eastman Kodak Company. (See Dickey, J. B., and Byers, assignors.)
Eaton Manufacturing Company. (See Waring, James H., assignor.)
Ebert, Edward A., and W. H. Popp, Buffalo, N. Y. Vibratory screen. 2,255,047; Sept. 9.
Eberhart, Hans. (See Schack, N., and Eberhart.)
Educational Laboratories, Inc. (See Taylor, Carl C. and J. Y., assignors.)
Edwards, James L. (See Hackett, A. G., and Edwards.)
Ehrlich, Louis B, Toledo, Ohio. Solenoid operated switch. 2,255,542; Sept. 9.
Eilers, Louis K. (See Gebauer-Fuelnegg, E., and Eilers, and Moffett.)
Electro Metallurgical Company. (See Furey, John J., assignor.)
Electrolux Corporation. (See Rast, Fritz H., assignor.)
Elgin Softener Corporation. (See McGill, Chester T., assignor.)
Ellery, Arthur B., Akron, Ohio. Warning signal for motor vehicles. 2,255,381; Sept. 9.
Ellis, Carleton, assignor to Ellis-Foster Company, Montclair, N. J. Ethylenic-alpha-beta synthetic resins and making same. 2,255,313; Sept. 9.
Ellis, Carleton, Montclair, T. C. Whitner, Elizabeth, and W. V. Keegan, West New York, N. J., assignor to Standard Oil Development Company. Refining hydrocarbons. 2,255,417; Sept. 9.
Ellis-Foster Company. (See Ellis, Carleton, assignor.)
Engel, Adele R. (See Engel, Joseph, assignor.)
Engel, Joseph, New York, assignor to A. R. Engel, New Rochelle, N. Y. X-ray film holding device. 2,255,580; Sept. 9.
Esposito, Thomas, South Orange, assignor of one-half to J. W. Fiore, Orange, N. J. Clothesline cleaner. 2,255,154; Sept. 9.
Eversharp, Inc. (See Ziegler, George E., assignor.)
Ewald, Mark, Olympia, Wash., assignor to Special Equipment Company, Portland, Oreg. Cutting half fruit. 2,255,048; Sept. 9.
Ewald, Mark, Olympia, Wash., assignor to Special Equipment Company, Portland, Oreg. Fruit treating device. 2,255,049; Sept. 9.
Ewing, Walkley B., Grand Rapids, Mich., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Screen frame wedge retainer assembly. 2,255,581; Sept. 9.
Fa-Cile Fastener Corporation. (See Lamarthe, Alfred E., assignor.)
Fairbanks, Morse & Co. (See Gebert, Sever C., assignor.)
Fairweather, Donald. (See Scholes, D. H. C., and Fairweather.)
Famous, Earl M., Upper Darby, assignor of fifty per cent to H. H. Heitmann, Glenside, Pa. Method and apparatus for forming ties. 2,255,106; Sept. 9.
Farnum, Leroy, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Sole laying machine. 2,255,155; Sept. 9.
Farquhar, A. B., Company. (See Tranter, Watson W., assignor.)
Farrington, John F., Flushing, N. Y., assignor to Hazeltine Corporation. Selectivity control. 2,255,050; Sept. 9.
Fauth Patent A.-G. (See Fauth, Philipp L., assignor.)
Fauth, Philipp L., deceased, by W. Fauth, administrator, Wiesbaden-Dotzheim, Germany, assignor to Fauth Patent A.-G., Luxemberg, Luxemburg. Treatment of whale blubber, skins, and the like. 2,255,207; Sept. 9.
Fauth, Wilhelm, administrator. (See Fauth, Philipp L., assignor.)
Fawick General Company, The. (See Fawick, Thomas L., assignor.)
Fawick, Thomas L., assignor to The Fawick General Company, Inc., Akron, Ohio. Driving clutch. 2,255,243; Sept. 9.
Feagin, Roy C., Schenectady, and J. G. E. Wright, Alplaus, N. Y., assignors to General Electric Company. Synthetic resinous compositions. 2,255,487; Sept. 9.
Ferenci, Lester, Brooklyn, N. Y., assignor to International Cigar Machinery Company. Machine for forming cigar bunches. 2,255,051; Sept. 9.
Fergason, Rector C. (See Hyman, B. M., and Fergason.)
Fernseh Aktiengesellschaft. (See Günther, Johannes, assignor.)
Fernseh G. m. b. H. (See Schuster, Hermann, assignor.)
Ferrel, Clyde B., assignor to Ferrel Ordnance, Inc., San Francisco, Calif. Firing device. 2,255,245; Sept. 9.
Ferrell Ordnance, Inc. (See Ferrel, Clyde B., assignor.)
Fick, Reinhold, and K. Wintersberger, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to W. H. Duisberg, New York, N. Y. Manufacture of pure sodium cyanide. 2,255,107; Sept. 9.
Fieber, Karl W., Berlin-Charlottenburg, and O. Würthner, Berlin-Wannsee, assignors to Siemens Apparate und Maschinen Gesellshaft mit beschrankter Haftung, Berlin, Germany. Hydraulic power system. 2,255,560; Sept. 9.
Fife, Harvey R., Mount Lebanon, Pa., assignor to Carbide and Carbon Chemicals Corporation. Hydraulic brake fluid. 2,255,208; Sept. 9.
Figge, Carroll C., Chicago, Ill. Apparatus for making flashing. 2,255,156; Sept. 9.
Fink, Herbert E., Greenfield, Ind. Straw retainer in separators. 2,255,244; Sept. 9.
Fiore, John W. (See Esposito, Thomas, assignor.)
First Central Trust Company, The, trustee. (See May, Carl A., assignor.)
Fischer, Charles, New York, N. Y., assignor to S. and E. M. Fischer. Machine and method for making flexible shafting. 2,255,108; Sept. 9.
Fischer, Emanuel M., et al. (See Fischer, Charles, assignor.)
Fischer, Hellmuth, Ilmenau, Germany. Luminescent glass and electric discharge lamp made therefrom. 2,255,109; Sept. 9.
Fischer, Karl, Oberderdingen, Wurttemberg, Germany. Manufacturing electric heating plates. 2,255,209; Sept. 9.
Fischer, Sidney, et al. (See Fischer, Charles, assignor.)
Fisher, Edward W., Jr., and W. H. Gudinas, assignors to The Garlock Packing Company, Palmyra, N. Y. Machinery packing. 2,255,613; Sept. 9.
Fisher, Nairne W. (See Schroeder, Paul C., assignor.)
Fisher, Smith D., assignor to The Bishop & Babcock Manufacturing Company, Cleveland, Ohio. Thermostat. 2,255,543; Sept. 9.
Flannery Bolt Company. (See Greenslade, Grover R., assignor.)

Fletcher, Irving J., assignor to The American Hardware Corporation, New Britain, Conn. Lock. 2,255,418; Sept. 9.
Foley, John W., Chicago, Ill. Roller bearing. 2,255,035; Sept. 9.
Foley, Thomas S., assignor to Foster Brothers Manufacturing Company, Utica, N. Y. Stabilator for bedsprings. 2,255,419; Sept. 9.
Food Machinery Corporation. (See Halt, James M., assignor.)
Food Machinery Corporation. (See Paxton, Gerald C., assignor.)
Forrest, Henry O., Teaneck, N. J., assignor to Standard Oil Company, Chicago, Ill. Refining of heavy oils. 2,255,283; Sept. 9.
Foster Brothers Manufacturing Company. (See Foley, Thomas S., assignor.)
Fox, Meyer, Chicago, Ill. Eccentric satellite crank. 2,255,614; Sept. 9.
Frankel, Edward M., Cedarhurst, assignor to Cedarhurst Machinery Corporation, Baltimore, Md. Apparatus for cleaning receptacles pneumatically. 2,255,615; Sept. 9.
Fraser, William McL., Stonington, Conn., assignor to Atwood Machine Company. Wet spinning frame. 2,255,246; Sept. 9.
Frazier, Radford K., Chicago, Ill., assignor to Bendix Radio Corporation. High frequency coil assembly. 2,255,730; Sept. 9.
Frediani, Nello, Lake Geneva, Wis. Edible container for ice cream or the like. 2,255,506; Sept. 9.
Freedman, Hyman, New York, N. Y. Dental apparatus. 2,255,657; Sept. 9.
Frey, Walter L. (See Harris, J. E., and Frey.)
Friedman, Samuel, Brooklyn, N. Y. Making bent metal structures. 2,255,658; Sept. 9.
Friend, Robert O., Chicago, Ill., J. A. Montgomery, Denver, Colo., and W. F. Schaller, La Grange, Ill. Disk distributor for sewage or water distribution. 2,255,157; Sept. 9.
Frost, Charles L. (See Brewer, W. B., Frost, and Karg.)
Fulton Sylphon Company, The. (See Giesler, Jean V., assignor.)
Funk, Russell A., Detroit, Mich. Electrical connector. 2,255,553; Sept. 9.
Furey, John J., Niagara Falls, N. Y., assignor to Electro Metallurgical Company. Recovery of tungsten. 2,255,210; Sept. 9.
Furrier, Tibor, Trona, Calif. Paste tube holder and dispenser. 2,255,158; Sept. 9.
Gabriel, Frank E., assignor to Appleton Supply Co., Inc., Appleton, Wis. Shingle and siding receiving channel. 2,255,247; Sept. 9.
Gage, Edward G., Brooklyn, assignor of two-thirds to L. Ottinger, New York, N. Y. Radiant energy distance determining system. 2,255,659; Sept. 9.
Gannaway, Oliver W., Chattanooga, Tenn. Show window display case. 2,255,702; Sept. 9.
Garbell, Max, assignor to Continental Scale Corporation, Chicago, Ill. Weighing scale. 2,255,110; Sept. 9.
Gard, Earle W. (See Subkow, P., Gard, and Haylett.)
Gardner, Charles H., Jr., Pleasant Grove, Calif. Drill. 2,255,561; Sept. 9.
Gardner-Denver Company. (See Huffman, Mervin C., assignor.)
Gardner-Denver Company. (See Stewart, Charles M., assignor.)
Garlock Packing Company, The. (See Current, Wertus G., assignor.)
Garlock Packing Company, The. (See Fisher, E. W., Jr., and Gudinas, assignors.)
Gartner, Owen J., Cleveland, Ohio. Material projector. 2,255,660; Sept. 9.
Gáspár, Béla, Hollywood, Calif., assignor to Chromogen, Incorporated. Treatment bath and the production of colored photographic pictures. 2,255,403; Sept. 9.
Gebauer-Fuelnegg, Erich, deceased, Evanston, Ill., by M. Benedict, administratrix, Colorado Springs, Colo., and L. K. Eilers, Rochester, N. Y., and E. W. Moffett, Milwaukee, Wis., assignors, by mesne assignments, to Marbon Corporation. Composition suitable for use in the production of coated sheet material. 2,255,564; Sept. 9.
Gebert, Sever C., Oak Park, assignor to Fairbanks, Morse & Co., Chicago, Ill. Load limiting clutch. 2,255,211; Sept. 9.
Gedge, Charles F., assignor to The Buckeye Incubator Company, Springfield, Ohio. Incubator tray. 2,255,036; Sept. 9.
General Aniline & Film Corporation. (See Hopff, H., and Diebold, assignors.)
General Aniline & Film Corporation. (See Orthner, L., Platz, Keller, and Sönke, assignors.)
General Aniline & Film Corporation. (See Reppe, W., Hecht, and Oschatz, assignors.)
General Aniline & Film Corporation. (See Riester, Oskar, assignor.)
General Electric Company. (See Allenby, William F., assignor.)
General Electric Company. (See Babillis, Alexander, assignor.)
General Electric Company. (See Blaha, Leopold, assignor.)
General Electric Company. (See Blume, Louis F., assignor.)
General Electric Company. (See Bousman, Henry W., assignor.)
General Electric Company. (See Carbary, Richard J., assignor.)
General Electric Company. (See Clarke, Varro J., assignor.)
General Electric Company. (See D'Alello, Gaetano F., assignor.)
General Electric Company. (See Dome, Robert B., assignor.)
General Electric Company. (See Doran, John H., assignor.)
General Electric Company. (See Dunham, George W., assignor.)
General Electric Company. (See Feagin, R. C., and Wright, assignors.)
General Electric Company. (See Grünschneder, Johann, assignor.)
General Electric Company. (See Hall, Chester I., assignor.)
General Electric Company. (See Huston, Claude B., assignor.)
General Electric Company. (See Kjolseth, Ole K., assignor.)
General Electric Company. (See Lauder, Arthur H., assignor.)
General Electric Company. (See Newman, Delbert F., assignor.)
General Electric Company. (See Pfalzgraff, Ross M., assignor.)
General Electric Company. (See Rhoads, James C., assignor.)
General Electric Company. (See Rich, Theodore A., assignor.)
General Electric Company. (See Strauss, Ferdinand E., assignor.)
General Electric Company. (See Thomas, H. P., and Leeds, assignors.)
General Electric Company. (See Wyman, Bryce W., assignor.)
General Motors Corporation. (See Bluemle, A. A., and Brown, assignors.)
General Motors Corporation. (See Claytor, Edward M., assignor.)
General Motors Corporation. (See Nichols, C. A., and Bish, assignors.)
General Motors Corporation. (See Pearce, George C., assignor.)
General Railway Signal Company. (See Smith, Percy W., assignor.)
General Railway Signal Company. (See Wight, Sedgwick N., assignor.)
Gerngross, Albert. (See Loos, Hans, assignor.)
Gershbein, Meyer, Chicago, Ill. Button sewing machine. 2,255,212; Sept. 9.
Giancola, Nicholas, Guttenberg, N. J. Sewing machine gauge. 2,255,382; Sept. 9.
Giese, Otto G., Chicago, Ill. Motion picture film developing apparatus. 2,255,037; Sept. 9.
Giesler, Jean V., assignor to The Fulton Sylphon Company, Knoxville. Tenn. Temperature regulator. 2,255,159; Sept. 9.
Globe-Union Inc. (See Stoekle, Erwin R., assignor.)
Golden, George E., New York, N. Y. Dancer's bird tail device. 2,255,111; Sept. 9.
Good, Frederick C., Philadelphia, Pa. Apparatus for the disintegration of materials. 2,255,213; Sept. 9.
Goodman, Willard B., Radburn, N. J., assignor to Wright Aeronautical Corporation. Piston arrangement for radial engines. 2,255,214; Sept. 9.
Gordon, Benjamin, Philadelphia, Pa. Rocker horse. 2,255,160; Sept. 9.
Gordon, Jack C., assignor to Allen Industries, Inc., Detroit, Mich. Seat cushion and making same. 2,255,248; Sept. 9.
Gordon, Jack C., assignor to Allen Industries, Inc., Detroit, Mich. Upholstery structure. 2,255,554; Sept. 9.
Gordon, Jack C., assignor to Allen Industries, Inc., Detroit, Mich. Upholstery structure. 2,255,555; Sept. 9.
Gorrie, Harvard H., Cleveland Heights, Ohio, assignor to Bailey Meter Company. Control system. 2,255,284; Sept. 9.
Government of the United States of America, represented by the Secretary of War. (See Beatty, George W., assignor.)
Graham, Adelbert M., Beverly Hills, assignor to W. G. L. Smith, Los Angeles, Calif. Roller mounting. 2,255,314; Sept. 9.
Graham, Frank O., assignor of one-third to G. R. Ohmart, Detroit, Mich. Fan drive and the like. 2,255,420; Sept. 9.
Graham, Oliver B. (See White, C., and Graham.)
Gray, Griffin W., assignor of one-half to C. B. Wade, Roanoke, Va. Gasket for hose couplings and reconditioning the same. 2,255,161; Sept. 9.
Green, Oscar, San Mateo, Calif. Pastry paddle. 2,255,052; Sept. 9.
Green, William F., assignor to Valley Shoe Corporation, St. Louis, Mo. Shoe machinery. 2,255,112; Sept. 9.
Greenleaf, Carl K., Palo Alto, Calif. Caster. 2,255,113; Sept. 9.

Greenquist, Walter, and R. Gruetzman, Florence, Wis. Baton. 2,255,352; Sept. 9.
Greenslade, Grover R., Scott Township, Allegheny County, assignor to Flannery Bolt Company, Bridgeville, Pa. Staybolt plug and making same. 2,255,661; Sept. 9.
Greibach, Emil H., Brooklyn, N. Y. Voice translating apparatus. 2,255,249; Sept. 9.
Greibach, Emil H., Brooklyn, N. Y. Voice translating microphone. 2,255,250; Sept. 9.
Grieten, Frederick M., Miami, Fla. Fishing reel. 2,255,703; Sept. 9.
Grimson, Samuel B., assignor to Color Research Corporation, New York, N. Y. Film gate. 2,255,038; Sept. 9.
Griswold, Stanley M., Newton, assignor to B. B. Chemical Co., Boston, Mass. Insole and making the same. 2,255,353; Sept. 9.
Groll, Herbert P. A., and M. W. Tamele, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Purification of carboxylic acids. 2,255,421; Sept. 9.
Gross, Charles J., Melrose, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Last jack. 2,255,164; Sept. 9.
Gruetsman, Robert. (See Greenquist, W., and Gruetzman.)
Grünschneder, Johann, Berlin-Charlottenburg, Germany, assignor to General Electric Company. Control system. 2,255,507; Sept. 9.
Grunwald, Albert C. (See Birr, R. G., and Grunwald.)
Gudinas, William H. (See Fisher, E. W., Jr., and Gudinas.)
Guided Radio Corporation. (See Nickerson, F. W., Moore, and Barnett, assignors.)
Gulf Oil Corporation. (See Afer, László, assignor.)
Gulow, Anders, Arlington, assignor to Continental Electric Company, Inc., Newark, N. J. Bearing. 2,255,662; Sept. 9.
Gunn, John V., Okmulgee, assignor of one-half to A. Rego, Tulsa, Okla. Wringer. 2,255,165; Sept. 9.
Gunn, Ross, Washington, D. C. Apparatus and method for detecting defects in metallic objects. 2,255,053; Sept. 9.
Günther, Johannes, assignor to Fernseh Aktiengesellschaft, Berlin-Zehlendorf, Germany. Cathode ray deflecting device. 2,255,039; Sept. 9.
Gustavson, Alvin N., Jamestown, N. Y., assignor to Automatic Voting Machine Corporation. Voting machine. 2,255,544; Sept. 9.
Guyer, Reynolds, assignor to Waldorf Paper Products Company, St. Paul, Minn. Packaging method and apparatus. 2,255,251; Sept. 9.
Hackerd, Eldo, Frankfort, Ind. Heating unit. 2,255,354; Sept. 9.
Hackett, Alfred G., Harborne, Birmingham, and J. L. Edwards, Selly Park, Birmingham, England. Controlling undesired movement of shafts in vehicles or the like. 2,255,582; Sept. 9.
Hagan, Owen C. (See Wilcox, W. H., and Hagan.)
Halt, James M., Los Angeles, Calif., assignor to Food Machinery Corporation. Submersible well pump lubricating system. 2,255,545; Sept. 9.
Hall, Chalmers G., Jr., Detroit, Mich. Support for the backbone or spinal column of the human body. 2,255,464; Sept. 9.
Hall, Chester I., Schenectady, N. Y., assignor to General Electric Company. Electric heater. 2,255,508; Sept. 9.
Hall, Gerald P., Monmouth, Maine. Brake. 2,255,383; Sept. 9.
Hall, Guy H. (See Loehr, Leslie K., assignor.)
Halstead, John F., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Cigar machine. 2,255,054; Sept. 9.
Halstead, John F., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Charge separating and rolling means for cigar bunch machines. 2,255,740; Sept. 9.
Halstead, William S., Huntington, N. Y., assignor of one-third to J. B. Brady, Washington, D. C. Traffic signaling system. 2,255,055; Sept. 9.
Haltmeier, Alfred, Cologne, Germany, assignor, by mesne assignments, to W. H. Duisberg, New York, N. Y. Recovery of ammonia from spent cuprammonium silk precipitation liquors. 2,255,144; Sept. 9.
Ham, Garnet P., Riverside, and R. B. Barnes, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Photographic developer. 2,255,731; Sept. 9.
Hamilton, Edmondston, Seattle, Wash. House construction panel. 2,255,315; Sept. 9.
Handy Button Machine Co. (See Newig, Julius, assignor.)
Hansen, Morten, Oslo, Norway. Counting, portioning, and packing matter as tablets, pills, and the like. 2,255,704; Sept. 9.
Hansen, Niels M., Ordrup, near Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Mold for casting grinding bodies. 2,255,546; Sept. 9.
Hansen, Wray C., assignor to Chrysler Corporation, Highland Park, Mich. Indicating instrument. 2,255,663; Sept. 9.
Hardwick, Stanley R., Providence, R. I., and N. E. Scott, North Attleboro, Mass., assignors to Rhode Island Tool Co., Providence, R. I. Heat-treating metal shapes. 2,255,166; Sept. 9.
Hare, Laurence V., Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y. Apparatus for inspecting crown caps. 2,255,705; Sept. 9.
Harper, Lyndus E., Kansas City, Mo. Controlling device. 2,255,317; Sept. 9.
Harris, Barnie G., assignor of one-half to Jones-Everett Machine Co., Pampa, Tex. Injector valve-actuator. 2,255,355; Sept. 9.
Harris, Benjamin R., Chicago, Ill. Organic nitrogenous base derivatives of ether derivatives and making same. 2,255,252; Sept. 9.
Harris, Benjamin R., Chicago, Ill. Sulphocarboxylic esters. 2,255,285; Sept. 9.
Harris, Benjamin R., Chicago, Ill. Aromatic sulphocarboxylic esters. 2,255,316; Sept. 9.
Harris, Henry C., Pittsburg, Tex. Plow. 2,255,253; Sept. 9.
Harris, Joseph E., and W. L. Frey, Stayton, Oreg. Refrigerating apparatus. 2,255,356; Sept. 9.
Hart, Robert W., Lynn, assignor to Submarine Signal Company, Boston, Mass. Radio communication system. 2,255,162; Sept. 9.
Hart & Cooley Manufacturing Company. (See Heasley, L. E., Covell, and Cole, assignors.)
Harvey, Carl L., Kent, assignor to The Lamson & Sessions Company, Cleveland, Ohio. Lock nut. 2,255,286; Sept. 9.
Harvey, Irvin A., Harvey, Iowa. Agricultural machine. 2,255,562; Sept. 9.
Havens, Glenn G. (See Bull, A. W., and Havens.)
Hawley, James R., assignor to Mechanical Products Manufacturing Company, (not incorporated), Seattle, Wash. Control apparatus for oil burners. 2,255,318; Sept. 9.
Hawthorne, Eben B., Eureka, Kans. Transportation trailer for livestock. 2,255,357; Sept. 9.
Haylett, Robert E. (See Subkow, P., Gard, and Haylett.)
Hazeltine Corporation. (See Bligh, N. R., and Smyth, assignors.)
Hazeltine Corporation. (See Farrington, John F., assignor.)
Hazeltine Corporation. (See Wheeler, Harold A., assignor.)
Hazeltine Corporation. (See Wilson, John C., assignor.)
Heasley, Loyd E., H. S. Covell, and N. E. Cole, assignors to Hart & Cooley Manufacturing Company, Holland, Mich. Directional grille. 2,255,616; Sept. 9.
Heath, Sheldon B., and R. J. Anderson, assignors to the Dow Chemical Company, Midland, Mich. Production of magnesium hydroxide. 2,255,422; Sept. 9.
Hecht, Otto. (See Reppe, W., Hecht, and Oschats.)
Heckman, John A., assignor to Miller Wrapping and Sealing Machine Company, Chicago, Ill. Gluing machine. 2,255,664; Sept. 9.
Height, Leon H., Spring Lake, N. J. Automatic lathe stop switch. 2,255,706; Sept. 9.
Heinrich, Johann, Berlin-Tegel, assignor, by mesne assignments, to Maschinen-Und Metallwaren-Handelsgesellschaft m. b. H., Berlin, Germany. Regulating means. 2,255,215; Sept. 9.
Heintz, James C., Lakewood, Ohio. Recapping vulcanizer. 2,255,163; Sept. 9.
Heitmann, Harrison H. (See Famous, Earl M., assignor.)
Helbig, Hugo, Racine, Wis. Lawn perforating machine. 2,255,040; Sept. 9.
Helle, Warren W., Hinsdale, Ill. Switch. 2,255,115; Sept. 9.
Helmstaedter, William E., Newark, N. J., assignor to Celluloid Corporation. Apparatus for making boxes. 2,255,116; Sept. 9.
Helmstaedter, William E., Newark, N. J., assignor to Cellulose Corporation. Making boxes. 2,255,117; Sept. 9.
Heminger, Joel R., Akron, Ohio. Rubber band shooter. 2,255,563; Sept. 9.
Hemphill Company. (See Jones, Frank E., assignor.)
Hemphill Company. (See Lawson, R. H., and Clouthier, assignors.)
Henry, Darle G., Chicago, Ill., assignor to Buckley Music System, Inc. Electromagnetic record-selecting control means. 2,255,216; Sept. 9.
Herzog, Christian J. (See Schenk, E., and Herzog.)
Heyden Chemical Corporation. (See Sabalitschka, Theodor, (assignor) and Böhm.)
Hickey, Thomas M., Fort Myers, Fla. Float. 2,255,465; Sept. 9.
Hill, Henry C., Montclair, N. J., assignor to Wright Aeronautical Corporation. Piston pin retainer. 2,255,217; Sept. 9.
Hillis, David R., assignor, by mesne assignments, to Hydraulic Devices, Inc., Detroit, Mich. Multiple feeder for uniflow system. 2,255,665; Sept. 9.
Hilpman, John H., Springfield Gardens, N. Y., assignor to Mergenthaler Linotype Company. Slug casting machine. 2,255,254; Sept. 9.
Hirshfeld, Clarence F., Detroit, Mich., assignor to Transit Research Corporation. Control for thermostatic valves. 2,255,118; Sept. 9.
Hoak, Clarence B., Steubenville, Ohio. Annealing apparatus and method. 2,255,617; Sept. 9.
Hobbs Manufacturing Company. (See Carlson, Fritz O., assignor.)
Hoehn, John J., Indianapolis, Ind., assignor to Radio Corporation of America. Phonographic apparatus. 2,255,218; Sept. 9.

Hofer, Ottwin, Lennox City, S. Dak. Device for removing static electricity from paper while being printed. 2,255,056; Sept. 9.
Hoffman Specialty Company. (See Lincoln, Roland L., assignor.)
Holland, Chester O., assignor to Barnes Drill Co., Rockford, Ill. Honing machine. 2,255,583; Sept. 9.
Holst, Paul F. G. (See Sands, W. F., and Holst.)
Holt, Donald A., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Electroplating copper. 2,255,057; Sept. 9.
Hood, James B., New York, N. Y. Nut. 2,255,384; Sept. 9.
Hoover Company, The. (See Coons, Curtis C., assignor.)
Hoover Company, The. (See Coons, C. C., and Kitto, assignors.)
Hoover Company, The. (See Siedle, Arnold D., assignor.)
Hopf, Heinrich, and A. Diebold, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline & Film Corporation. Dyestuffs of the para-rosaniline series. 2,255,385; Sept. 9.
Hott, Ion V. K., assignor to The Joyce-Cridland Company, Dayton, Ohio. Fluid pressure operated apparatus. 2,255,255; Sept. 9.
Houdry, Eugene J., Haverford, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Heat exchange in catalytic reactions. 2,255,058; Sept. 9.
Houdry, Eugene J., Ardmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Apparatus for treatment of hydrocarbon residues. 2,255,059; Sept. 9.
Houdry, Eugene J., Ardmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Treatment of hydrocarbon and other residues. 2,255,060; Sept. 9.
Houdry Process Corporation. (See Houdry, Eugene J., assignor.)
Howenstine, Charles C. (See Ortegren, H. A., and Howenstine.)
Howland, Louis H., Nutley, N. J., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Treatment of rubber. 2,255,388; Sept. 9.
Hubacker, Earl F., Highland Park, Mich., assignor to Borg-Warner Corporation. Method of and apparatus for heat transfer. 2,255,584; Sept. 9.
Hubacker, Earl F., Highland Park, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Method of and apparatus for heat transfer. 2,255,585; Sept. 9.
Hubacker, Earl F., Highland Park, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Heat transfer system. 2,255,586; Sept. 9.
Hubacker, Earl F., Highland Park, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Heat transfer. 2,255,587; Sept. 9.
Hubacker, Earl F., Highland Park, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Heat transfer. 2,255,588; Sept. 9.
Hubron Company, The. (See Brown, Hugh S., assignor.)
Huffman, Mervin C., Denver, Colo., assignor to Gardner-Denver Company, Quincy, Ill. Rock drill tappet. 2,255,423; Sept. 9.
Hunn, Oliver W., assignor of one-fourth to G. E. Arnold, New Philadelphia, Ohio. Mining apparatus. 2,255,167; Sept. 9.
Hunsicker, Clyde L., San Francisco, Calif. Apparatus for treatment of gases. 2,255,523; Sept. 9.
Huppert, William, New York, N. Y., assignor to Delamere Company, Inc. Hair device. 2,255,618; Sept. 9.
Huston, Claude B., Schenectady, N. Y., assignor to General Electric Company. Control system. 2,255,488; Sept. 9.
Hutaff, George H., Jr., Wilmington, N. C. Bottle cap. 2,255,256; Sept. 9.
Hutaff, George H., Jr., Wilmington, N. C. Bottle cap. 2,255,257; Sept. 9.
Hutchinson, William P., and A. S. McIntire, assignors to The Sprague Meter Company, Bridgeport, Conn. Meter head incorporating low-pressure regulator. 2,255,219; Sept. 9.
Hydraulic Brake Company. (See Loweke, Aaron A., assignor.)
Hydraulic Brake Company. (See Loweke, Erwin F., assignor.)
Hydraulic Devices, Inc. (See Hillis, David R., assignor.)
Hyman, Benjamin M., and R. C. Fergason, Moline, Ill., assignors to International Harvester Company. Corn picker. 2,255,168; Sept. 9.
Imperial Chemical Industries Limited. (See Taylor, James, assignor.)
Improved Products and Machinery Co. Inc. (See Luhn, Hans P., assignor.)
Industrial Patents Corporation. (See Roschen, Harry L., assignor.)
Industrial Patents Corporation. (See Walter, Charles T., assignor.)
Ingersoll-Rand Company. (See Baker, C. S., and Carpenter, assignors.)
Ingersoll-Rand Company. (See Slater, Fred M., assignor.)
Interchemical Corporation. (See Marcot, Guy C., assignor.)
International Cigar Machinery Company. (See Ferenci, Lester, assignor.)
International Cigar Machinery Company. (See Halstead, John F., assignor.)
International Harvester Company. (See Hyman, B. M., and Fergason, assignors.)
Iowa State College Research Foundation. (See Sass, John E., assignor.)
Ireland, Murray, near Elgin, assignor to McGraw Electric Company, Chicago, Ill. Thermal relay. 2,255,169; Sept. 9.
Irwin, Emmett H. (See Mattingly, H. W., Irwin, Lewis, Duval, Chenoweth, and Whitehead.)
Jackson, Lloyd R., and W. F. Stewart, assignors to Battelle Memorial Institute, Columbus, Ohio. Preparation of selenium for electrical uses. 2,255,368; Sept. 9.
Jackson, Paul. (See Duffy, James T., Jr., and Jackson.)
Jacobsen, Oystein, Montgomery County, assignor to The Duriron Company, Inc., Dayton, Ohio. Double vane impeller. 2,255,287; Sept. 9.
Jandasek, Joseph, Cicero, Ill. Starting means. 2,255,424; Sept. 9.
Janeway, Robert N., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Railway vehicle. 2,255,619; Sept. 9.
Janik, Frank, Walnut Creek, Calif. Walnut huller. 2,255,524; Sept. 9.
Jenkins, Howard L. (See Cowdery, R. A., and Jenkins.)
Jenkins, L. W., West Branch, Mich. Electrical appliance. 2,255,466; Sept. 9.
Jenks, Harold C. (See Dawson, J. W., and Jenks.)
Jensen, Otto M., assignor to Peerless Machine Company, Racine, Wis. Backing-up bar for hack saw blades. 2,255,620; Sept. 9.
Jervis, Fred, Los Angeles, Calif. Control system for electric generating plants. 2,255,743; Sept. 9.
Joesting, Frederick D., Chicago, Ill., and L. H. Miller, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Switching mechanism. 2,255,220; Sept. 9.
Johnson, Corydon M., Freeport, N. Y. Combined universal joint and bearing. 2,255,172; Sept. 9.
Johnson, Fritz, Burley, Idaho. Earth surfacing machine. 2,255,061; Sept. 9.
Johnson, Fritz, Burley, Idaho. Earth surfacing machine. 2,255,062; Sept. 9.
Johnson, Fritz, Burley, Idaho. Steering structure. 2,255,063; Sept. 9.
Johnson, James P., Shaker Heights, assignor, by mesne assignments, to Pump Engineering Service Corporation, Cleveland, Ohio. Constant speed hydraulic system. 2,255,589; Sept. 9.
Johnson Service Company. (See McIntosh, Fabian C., assignor.)
Jones-Everett Machine Co. (See Harris, Barnie G., assignor.)
Jones, Frank D., and M. E. McClellan, assignors to Dain Manufacturing Company of Iowa, Ottumwa, Iowa. Rake. 2,255,288; Sept. 9.
Jones, Frank E., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Pattern-producing circular knitting machine. 2,255,693; Sept. 9.
Joyce-Cridland Company, The. (See Hott, Ion Von K., assignor.)
Judson, Albert L., Portland, Oreg., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Pressure switch. 2,255,666; Sept. 9.
Judson, Albert L., Portland, Oreg., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Pressure operated switch. 2,255,667; Sept. 9.
Kabriel, Frank, Summerfield, Kans. Clothespin. 2,255,467; Sept. 9.
Kahn, Robert L. (See Weir, Robert E., assignor.)
Kaiser, Rudolf. (See Berger, J., Kaiser, and Zurmühlen.)
Kane, John E., and F. R. Olsen, assignors to The Frank H. Lee Company, Danbury, Conn. Apparatus for and method of treating the brims of hats. 2,255,547; Sept. 9.
Kanter, Milton B., Chicago, Ill. Photographic enlarger. 2,255,319; Sept. 9.
Kapella Limited. (See Cooke, Ernest A., assignor.)
Karg, Howard. (See Brewer, W. B., Frost, and Karg.)
Keegan, Wilbur V. (See Ellis, C., Whitner, and Keegan.)
Keller, August, Dearborn, assignor to Motor State Products Company, Ypsilanti, Mich. Vehicle top. 2,255,289; Sept. 9.
Keller, Hans. (See Orthner, L., Platz, Keller, and Sönke.)
Kelley, Elmer E., Hartford, Conn. Machine tool. 2,255,170; Sept. 9.
Kellogg, M. W., Company, The. (See Myddleton, William W., assignor.)
Kemp, Harold J., Swift Current, Saskatchewan, Canada. Rotary grain dusting machine. 2,255,468; Sept. 9.
Kennedy, Albert C., assignor of one-half to J. C. Kennedy, Long Beach, Calif. Roller drawer guide. 2,255,290; Sept. 9.
Kennedy, Janice C. (See Kennedy, Albert C., assignor.)
Kennedy, Joseph E., assignor to Kennedy-Van Saun Mfg. & Eng. Corporation, New York, N. Y. Nozzle. 2,255,119; Sept. 9.
Kennedy-Van Saun Mfg. & Eng. Corporation. (See Kennedy, Joseph E., assignor.)
Kiefer, Edwin F., and E. I. Shobert, II, assignors to Stackpole Carbon Company, St. Marys, Pa. Weldable silver-graphite contact and making it. 2,255,120; Sept. 9.
Kilborn-Sauer Company, The. (See Sauer, Henry J., assignor.)

King, George E., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Variable voltage motor control. 2,255,064; Sept. 9.

Kirchner, Henry P. (See Melton, R. L., Benner, and Kirchner.)

Kirschenbauer, Hans G. (See Ross, J., and Kirschenbauer.)

Kitto, William H. (See Coons, C. C., and Kitto.)

Kjolseth, Ole K., Erie, Pa., assignor to General Electric Company. Railway truck construction and making the same. 2,255,489; Sept. 9.

Kline, Lawrence J., La Grange, and J. J. Sichman, Chicago Heights, assignors to The Mercury Manufacturing Company, Chicago, Ill. Vehicle coupling. 2,255,525; Sept. 9.

Kline, Virgil C., Floral Park, N. Y. Furnace and stoker. 2,255,171; Sept. 9.

Knallmann, Alwin K., assignor to Aktiebolaget Westerlsmaskiner, Morgongava, Sweden. Harvester. 2,255,387; Sept. 9.

Koch, Winfield R., Haddonfield, N. J., assignor to Radio Corporation of America. Frequency-modulation receiver. 2,255,668; Sept. 9.

Koehler, Paul, Union, N. J., assignor to American Can Company, New York, N. Y. Detector device. 2,255,065; Sept. 9.

Koppers Company. (See Becker, Joseph, assignor.)

Koppers Company. (See Koppers, Heinrich, assignor.)

Koppers, Heinrich, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa. Coke oven battery. 2,255,425; Sept. 9.

Kost, Harold W., Birmingham, assignor to Detroit Harvester Company, Detroit, Mich. Fastener. 2,255,469; Sept. 9.

Kotchi, Charles J., assignor to Joseph Pondelick, Chicago, Ill. Clamp. 2,255,320; Sept. 9.

Kramar, Ernst, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. System for determining navigatory direction. 2,255,741; Sept. 9.

Krause, Willy, Radebeul, assignor to "Universelle" Cigarettenmaschinen-Fabrik J. C. Muller & Co., Dresden, Germany. Tobacco cutting machine. 2,255,548; Sept. 9.

Kress, Edward W., San Jose, Calif. Thrust clip. 2,255,321; Sept. 9.

Kronmiller, Carl G., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Switching mechanism. 2,255,732; Sept. 9.

Kronquest, Alfred L., and O. A. Schmitt, Syracuse, assignors to Continental Can Company, Inc., New York, N. Y. Machine for drawing a vacuum in and sealing filled containers. 2,255,707; Sept. 9.

Kropp, Marie, administratrix. (See Kropp, Walter, assignor.)

Kropp, Walter, deceased, by M. Kropp, administratrix, Wuppertal-Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Malonic acid derivatives. 2,255,447; Sept. 9.

Kruh, Osias, Brooklyn, N. Y. Producing aluminum, beryllium, chromium, magnesium, and alloys of these metals. 2,255,549; Sept. 9.

Kunc, John, and F. L. Miller, Roselle Park, N. J., assignors to Standard Oil Development Company. Fractional precipitation process of producing high molecular weight polymers. 2,255,388; Sept. 9.

Kvalnes, Donovan E. (See Tinker, J. M., and Kvalnes.)

Lakso, Eino E. (See Vogt, C. W., and Lakso.)

Lakso, Eino E., Fitchburg, Mass., assignor to Clarence W. Vogt, Norwalk, Conn. Loose-leaf binder. 2,255,121; Sept. 9.

Lamarthe, Alfred E., Paris, France, assignor to Fa-Clle Fastener Corporation, New York, N. Y. Closing device for receptacles. 2,255,598; Sept. 9.

Lamb, Edgar Q., Columbus, Ohio. Foot manipulating device. 2,255,066; Sept. 9.

Lamesch, Armand, Harzogenrath, near Aachen, Germany, assignor to Schlesische Spiegelglas-Manufactur Carl Tielsch G. m. b. H., Waldenburg-Altwasser. Winding thin threads or filaments. 2,255,426; Sept. 9.

Lamson & Sessions Company, The. (See Harvey, Carl L., assignor.)

Landmeier, Edwin W., Cincinnati, Ohio, assignor to The Wadsworth Electric Manufacturing Company, Covington, Ky. Enclosed switch and contact therefor. 2,255,669; Sept. 9.

Landsiedel, Walter W., Elmira, assignor to Remington Rand Inc., Buffalo, N. Y. Total control means for adding machines. 2,255,621; Sept. 9.

Landsiedel, Walter W., Elmira, assignor to Remington Rand Inc., Buffalo, N. Y. Computing machine. 2,255,622; Sept. 9.

Landsiedel, Walter W., Elmira, assignor to Remington Rand Inc., Buffalo, N. Y. Computing machine. 2,255,623; Sept. 9.

Langdon, Jesse D., Los Angeles, Calif. Diaphragm and pressure operated valve. 2,255,322; Sept. 9.

Lange, Edward H., Baltimore, Md. Motor vehicle starting power control system. 2,255,389; Sept. 9.

Langendorf, Stanley S., San Francisco, Calif. Food process. 2,255,427; Sept. 9.

Lapointe, Francis J., assignor, by mesne assignments, to American Broach & Machine Co., Ann Arbor, Mich. Method of and means for surface broaching. 2,255,221; Sept. 9.

Larson, Carl H., Elkhart, Ind., assignor to The Adlake Company. Electric hand lantern. 2,255,291; Sept. 9.

Lasker, William W., deceased, by W. W. Lasker, Jr., executor, Brooklyn, assignor to Remington Rand Inc., Buffalo, N. Y. Tabulating mechanism. 2,255,670; Sept. 9.

Lasker, William W., Jr., executor. (See Lasker, William W.)

Lassen, Elvind U., White Fish Bay, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Elevator control system. 2,255,526; Sept. 9.

Lathrop, Harry D., assignor to The Lathrop-Paulson Company, Chicago, Ill. Conveyer. 2,255,733; Sept. 9.

Lathrop-Paulson Company, The. (See Lathrop, Harry D., assignor.)

Lauder, Arthur H., Schenectady, N. Y., assignor to General Electric Company. Protective system for alternating current dynamoelectric machines. 2,255,490; Sept. 9.

Laughton, George A., Birmingham, England. Sleeping cap and net. 2,255,708; Sept. 9.

Laursen, Bruno L., Dunedin, Fla. Ironing board. 2,255,173; Sept. 9.

Lavine, Morris. (See Wagner, Lucius L., assignor.)

Lawrence, Howard F. (See Sauter, W. V., and Lawrence.)

Lawson, Robert H., Pawtucket, and A. N. Cloutier, Lonsdale, assignors to Hemphill Company, Central Falls, R. I. Knitting machine and knitting. 2,255,068; Sept. 9.

Lee, Frank H., Company, The. (See Kane, J. E., and Olsen, assignors.)

Leeds, Laurance M. (See Thomas, H. P., and Leeds.)

Le Ferre, Walter J. (See Britton, E. C., and Le Fevre.)

Lehnert, W. E. (See Allison, Ralph E., assignor.)

Leiman, Harold, Astoria, Long Island, N. Y. Ash tray and receptacle. 2,255,428; Sept. 9.

Lepersonne, Octave, Brussels, Belgium. Compressor. 2,255,359; Sept. 9.

Lethern, Albert A., and J. S. Quirico, assignors to The Mills Equipment Company Limited, London, England. Quick-release fastening for safety harnesses, parachute harnesses, and the like. 2,255,258; Sept. 9.

Le Tourneau, R. G., Inc. (See Bird, Len O., assignor.)

Leusch, Victor W., assignor to South Bend Bait Company, South Bend, Ind. Weed guard for fishing lures. 2,255,222; Sept. 9.

Levin, Isaac, Brooklyn, N. Y. Skirt marker and the like. 2,255,174; Sept. 9.

Lewis, George E. (See Mattingly, H. W., Irwin, Lewis, Duval, Chenoweth, and Whitehead.)

Lewis, Mary P., Auburn, Calif. Brassière. 2,255,720; Sept. 9.

Lichter, Malvin, assignor to Stickless Corporation, New York, N. Y. Fan. 2,255,509; Sept. 9.

Lighter, Stephen, Chicago, Ill. Folding box. 2,255,223; Sept. 9.

Lincoln, Roland L., Middlebury, assignor to Hoffman Specialty Company, Waterbury, Conn. Air conditioning system. 2,255,292; Sept. 9.

Lindell, Sigurd I. (See Triplett, H. A., and Lindell.)

Lindhé, Stellan E., Valasen, Sweden. Pipe cleansing tool. 2,255,565; Sept. 9.

Line Material Company. (See Schultz, William O., assignor.)

Locke, Sam P., Mexico, Mo. Heating device. 2,255,527; Sept. 9.

Loeb, Felix F., Chicago, and J. E. Bales, assignors to Lyon Metal Products, Incorporated, Aurora, Ill. Display rack. 2,255,744; Sept. 9.

Loehr, Leslie K., assignor to G. H. Hall, Los Angeles, Calif. Power transmitting mechanism. 2,255,671; Sept. 9.

Loos, Hans, Vienna, Germany, assignor to A. Gerngross, Zurich, Switzerland. Torque transformer. 2,255,566; Sept. 9.

Lorenz, C., Aktiengesellschaft. (See Kramar, Ernest, assignor.)

Lorenz, C., Aktiengesellschaft. (See Schilling, Otto, assignor.)

Lorow, Cortes, Tampa, Fla. Amusement device. 2,255,175; Sept. 9.

Loweke, Aaron A., assignor to Hydraulic Brake Company, Detroit, Mich. Fluid pressure braking system. 2,255,259; Sept. 9.

Loweke, Erwin F., assignor to Hydraulic Brake Company, Detroit, Mich. Brake. 2,255,260; Sept. 9.

Lubri-Zol Development Corporation. (See Prutton, C. F., and Smith, assignors.)

Lucas, Henry M., and H. N. Stephan, Cleveland Heights, assignors, by mesne assignments, to The Lucas Machine Tool Company, Bratenahl, Ohio. Horizontal boring machine. 2,255,176; Sept. 9.

Lucas Machine Tool Company, The. (See Lucas, H. M., and Stephan, assignors.)

Lucker, Millard B., assignor to Auto Specialties Manufacturing Company, St. Joseph, Mich. Lifting jack. 2,255,261; Sept. 9.

Lucking, Leonard J., Newark, N. J. Welding torch. 2,255,528; Sept. 9.

Luhn, Hans P., North Tarrytown, assignor to Improved Products and Machinery Co. Inc., New York, N. Y. Knitted fabric construction. 2,255,224; Sept. 9.

Luse, Leo L., Painesville, Ohio. Trailer hitch. 2,255,624; Sept. 9.

Lyness, Horatio S., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Heel. 2,255,177; Sept. 9.

Lyon Metal Products, Incorporated. (See Loeb, F. F., and Bales, assignors.)

Lyons, Sanford C., Bennington, Vt., assignor to Bird Machine Co., Walpole, Mass. Apparatus for blunging and decolorizing clay or the like. 2,255,429; Sept. 9.

Lysholm, Alf, Stockholm, and G. V. K. W. Boestad, Lidingo, Sweden, assignors, by mesne assignments, to J. C. Marble, L. M. Merrill, and P. H. Batten, trustees. Hydraulic power transmission. 2,255,430; Sept. 9.

Mang-Zahnräder und Maschinen A. G. (See Aeppli, Albert, assignor.)

MacDonell, Alonzo D., Tulsa, Okla. Electric butter slicer. 2,255,709; Sept. 9.

MacFadden, Leland E., assignor to Markel Electric Products, Inc., Buffalo, N. Y. Lamp. 2,255,262; Sept. 9.

Machain, John R., Pottstown, Pa. Skid chain applier. 2,255,178; Sept. 9.

Maguire, Russell. (See Thompson, Parke H., assignor.)

Maier, Charles G., Oakland, Calif., assignor to the United States of America, as represented by the Secretary of Interior. Method and apparatus for separating and concentrating gases. 2,255,069; Sept. 9.

Mailuk, Assad M., New York, N. Y. Lock cap for tanks and the like. 2,255,070; Sept. 9.

Marathon Battery Company. (See McEachron, Edgar J. and E. D., assignors.)

Marble, Jarvis C., trustee, et al. (See Lysholm, A., and Boestad.)

Marbon Corporation. (See Gebauer-Fuelnegg, E., Ellers, and Moffett, assignors.)

Marco Company. (See Marco, John, assignor.)

Marco, John, assignor to Marco Company, Inc., Philadelphia, Pa. Disk mill. 2,255,071; Sept. 9.

Marcot, Guy C., Montclair, N. J., assignor to Interchemical Corporation, New York, N. Y. Thixotropic pigment and paint. 2,255,263; Sept. 9.

Marden, John W., East Orange, and G. Meister, Newark, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Molded fluorescent lamp. 2,255,431; Sept. 9.

Markel Electric Products, Inc. (See McFadden, Leland E., assignor.)

Marker, Russell E., State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich. Sterol derivatives and forming same. 2,255,072; Sept. 9.

Marker, Russell E., State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich. Steryl magnesium halide and producing the same. 2,255,073; Sept. 9.

Marker, Russell E., State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich. Sterol derivatives and forming same. 2,255,074; Sept. 9.

Marker, Russell E., State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich. Urane compounds and preparing them. 2,255,264; Sept. 9.

Marker, Russell E., State College, Pa., assignor to Parke, Davis & Company, Detroit Mich. Urane compounds and obtaining same. 2,255,265; Sept. 9.

Markley, Kenneth C., Huntington Valley, assignor to The Eastern Specialty Company, Philadelphia, Pa. Testing jack for socket type meters. 2,255,122; Sept. 9.

Markowitz, Jack, assignor to Pennant Knitting Mills, Inc., Brooklyn, N. Y. Method and apparatus for making knitted fabrics. 2,255,203; Sept. 9.

Markowitz, Jack, assignor to Pennant Knitting Mills, Inc., Brooklyn, N. Y. Knitting. 2,255,323; Sept. 9.

Martin, Herschel B., Brooklyn, N. Y., assignor to Radio Corporation of America. Dual volume control system for radio receivers. 2,255,390; Sept. 9.

Martindell, Frank, Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Terminal forming and attaching apparatus. 2,255,510; Sept. 9.

Marvel Equipment Corporation. (See Roethel, John H., assignor.)

Marvel, Harvey E., assignor to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind. Concealed hose dispensing apparatus. 2,255,180; Sept. 9.

Maschinen-Und Metallwaren-Handelsgesellschaft m. b. H. (See Helmrich, Johann, assignor.)

Mason, William C., Albany, N. Y. Electrical control device. 2,255,672; Sept. 9.

Master Tire & Rubber Corporation. (See Brewer, W. B., Frost, and Karg, assignors.)

Matthews, Ernest C., Nashville, Tenn. Switching apparatus. 2,255,470; Sept. 9.

Mattingly, Harold W., Los Angeles, E. M. Irwin, Pasadena, G. E. Lewis, Alhambra, R. H. Duval, Pasadena, R. M. Chenoweth, West Los Angeles, and C. L. Whitehead, Pasadena, assignors to Cooperative Development Co., Los Angeles, Calif. Well drilling control device. 2,255,721; Sept. 9.

May, Carl A., assignor to The First Central Trust Company, trustee, Akron, Ohio. Hinge. 2,255,529; Sept. 9.

McClellan, Marcus E. (See Jones, F. D., and McClellan.)

McDermott, Franklin, La Grange, assignor, by mesne assignments, to Wagner Malleable Products Company, Decatur, Ill. Nut. 2,255,673; Sept. 9.

McDonnell, Joseph M., Baldwin, assignor to Remington Rand Inc., Buffalo, N. Y. Statistical card comparing machine. 2,255,674; Sept. 9.

McEachron, Edgar J. and E. D., assignors to Marathon Battery Company, Wausau, Wis. Electrical flashlight. 2,255,516; Sept. 9.

McEachron, Edgar D. (See McEachron, Edgar J. and E. D.)

McElroy, Isaac E., Hollywood, Calif. Variable speed power transmission. 2,255,567; Sept. 9.

McGee, Richard T., and L. W. Cross, assignors to The Consolidated Expanded Metal Companies, Wheeling, W. Va. Manufacture of paper backed lathing. 2,255,123; Sept. 9.

McGill, Chester T., assignor to Elgin Softener Corporation, Elgin, Ill. Flow regulating valve. 2,255,324; Sept. 9.

McGrath, William L., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Humidity responsive device. 2,255,734; Sept. 9.

McGrath, William L., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Air conditioning system. 2,255,735; Sept. 9.

McGraw Electric Company. (See Ireland, Murray, assignor.)

McGrew, Orville V., Chicago, Ill. Pneumatic granule supplying apparatus. 2,255,075; Sept. 9.

McIntosh, Fabian C., Pittsburgh, Pa., assignor to Johnson Service Company, Milwaukee, Wis. Automatic control of atmospheric conditions. 2,255,179; Sept. 9.

McIntire, Arthur S. (See Hutchinson, W. P., and McIntire.)

McLaughlin, F. L., et al. (See Burke, James P., assignor.)

Mechanical Products Manufacturing Company. (See Hawley, James R., assignor.)

Medsker, Charles A., and M. Merlub-Sobel, Cleveland Heights, assignors to W. L. Ulmer, Cleveland, Ohio. Coating metals. 2,255,076; Sept. 9.

Meggy, John R., Elizabeth, N. J. Container and closure therefor. 2,255,225; Sept. 9.

Meister, George. (See Marden, J. W., and Meister.)

Melton, Romie L., R. C. Benner, and H. P. Kirchner, assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Coating apparatus. 2,255,294; Sept. 9.

Meneux, Charles, Nantes, S. G. Bourdin, Angers, and L. Chaussé, Nantes, France. Flour mill with garlic separator. 2,255,226; Sept. 9.

Merco Nordstrom Valve Company. (See Nordstrom, Sven J., assignor.)

Mercury Manufacturing Company, The. (See Kline, L. J., and Sichman, assignors.)

Mergenthaler Linotype Company. (See Hilpman, John H., assignor.)

Merlub-Sobel, Manahem. (See Medsker, C. A., and Merlub-Sobel.)

Merrill Company, The. (See Mills, Louis D., assignor.)

Merrill, Leslie M., trustee, et al. (See Lysholm, A., and Boestad, assignors.)

Mesnel, Jean R., Colombes, assignor to Société Mesnel Frères, Colombes, Seine, France. Reinforced flexible pipe. 2,255,391; Sept. 9.

Michigan Patents Corporation. (See Berger, J., Kaiser, and Zurmühlen, assignors.)

Middleton, Edmund B., Metuchen, N. J., assignor to Du Pont Film Manufacturing Corporation, New York, N. Y. Filter dyes for color photography. 2,255,077; Sept. 9.

Miller, Floyd L. (See Kunc, J., and Miller.)

Miller, Frank D., assignor to Mixing Equipment Co., Inc., Rochester, N. Y. Supporting bracket. 2,255,514; Sept. 9.

Miller, Leonidas C., Dallas, Tex. Inclination indicating device. 2,255,295; Sept. 9.

Miller, Leslie H. (See Joesting, F. D., and Miller.)

Miller, Milo F., Kansas City, Mo. Insect destroyer. 2,255,360; Sept. 9.

Miller, Rudolph C., Beaumont, Tex. Invalid bed. 2,255,710; Sept. 9.

Miller Wrapping and Sealing Machine Company. (See Heckman, John A., assignor.)

Milliman, Nathan. (See Williams, I., and Milliman.)

Mills Equipment Company Limited, The. (See Lethern, A. A., and Quirico, assignors.)

Mills, Louis D., Palo Alto, Calif., assignor to The Merrill Company, San Francisco, Calif. Reagent feeder. 2,255,325; Sept. 9.

Minneapolis-Honeywell Regulator Company. (See Annin, Douglas H., assignor.)

Minneapolis-Honeywell Regulator Company. (See Joesting, F. D., and Miller, assignors.)

Minneapolis-Honeywell Regulator Company. (See Judson, Albert L., assignor.)

Minneapolis-Honeywell Regulator Company. (See Kronmiller, Carl G., assignor.)

Minneapolis-Honeywell Regulator Company. (See McGrath, William L., assignor.)

Mintz, Louis, Cleveland, Ohio. Venetian blind. 2,255,326; Sept. 9.

Mixing Equipment Co. (See Miller, Frank D., assignor.)

Moffett, Eugene W. (See Gebauer-Fuelnegg, E., and Ellers, and Moffett.)

Mohen, John P., Clayton, Mo. Humidifying cigars. 2,255,491; Sept. 9.
Monocel Inc. (See Willenborg, Walter J., assignor.)
Montgomery, John A. (See Friend, R. O., Montgomery, and Schaller.)
Moore, David P., Avon Park, Fla., assignor to A. B. Carton, Brooklyn, N. Y. Method and apparatus for making knitted fabrics. 2,255,078; Sept. 9.
Moore, Howard K., Mrs. (See Moore, Howard N., assignor.)
Moore, Howard N., assignor of one-half to Mrs. H. K. Moore, Washington, D. C. Package. 2,255,432; Sept. 9.
Moore, Marjorie B., Waukegan, assignor to Abbott Laboratories, North Chicago, Ill. Extraction process. 2,255,124; Sept. 9.
Moore, William C. (See Nickerson, F. W., Moore, and Barnett.)
Moorefield, William P., assignor, by mesne assignments, to Automatic Electrical Devices, Inc., St. Petersburg, Fla. Photographic timing device. 2,255,266; Sept. 9.
Moran, Hugh G., St. Louis, Mo. Dental appliance. 2,255,267; Sept. 9.
Morgan, Erving B., assignor to American Seating Company, Grand Rapids, Mich. Chair. 2,255,327; Sept. 9.
Morris, Albert M., Barberton, assignor to The Ohio Brass Company, Mansfield, Ohio. Dust collecting apparatus. 2,255,448; Sept. 9.
Morrison, Orry C., Carroll, Iowa. Culturing spirochaeta pallida. 2,255,079; Sept. 9.
Moseley, James T. W., Webster Groves, assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor nozzle. 2,255,296; Sept. 9.
Moss, Gerald, San Francisco, Calif. Lamp. 2,255,433; Sept. 9.
Motor State Products Company. (See Keller, August, assignor.)
Moyle, Clarence L., assignor to The Dow Chemical Company, Midland, Mich. Aryloxy-tetrahydronaphthalenes. 2,255,434; Sept. 9.
Mross, Edward R. (See Nielsen, E., Mross, and Cunningham.)
Mueller Co. (See Mueller, Frank H., assignor.)
Mueller, Frank H., assignor to Mueller Co., Decatur, Ill. Center locating punch. 2,255,361; Sept. 9.
Mueller, Frederick K., Berwyn, assignor to Conlon Corporation, Cicero, Ill. Ironing machine. 2,255,392; Sept. 9.
Muessig, Clifford W. (See Sparks, W. J., and Muessig.)
Muller, John, Brooklyn, N. Y. Prefabricated building construction. 2,255,511; Sept. 9.
Mullert, Howard A., assignor to Bradley Washfountain Company, Milwaukee, Wis. Spray head for wash fountains. 2,255,125; Sept. 9.
Mutch, James B., assignor to Schelter Last Co., Inc., Rochester, N. Y. Self-adjusting heelpiece for shoe forms. 2,255,471; Sept. 9.
Mutchler, Hilda M., administratrix. (See Mutchler, Maurice E., assignor.)
Mutchler, Maurice E., Kenmore, N. Y., deceased; H. M. Mutchler, administratrix. Dispenser. 2,255,449; Sept. 9.
Mutchler, Maurice E., Kenmore, N. Y., deceased; H. M. Mutchler, administratrix. Dispenser. 2,255,450; Sept. 9.
Myddleton, William W., New Malden, England, assignor, by mesne assignments, to The M. W. Kellogg Company, Jersey City, N. J. Controlling temperature of exothermic catalytic reactions. 2,255,126; Sept. 9.
Myers, F. E., & Bro. Co., The. (See Zehner, William H., assignor.)
Neill, James, & Company (Sheffield) Limited. (See Swain, G., and Bower, assignors.)
Neville Company, The. (See Carmody, William H., assignor.)
Newig, Julius, assignor to Handy Button Machine Co., Chicago, Ill. Machine for securing hangers to handles. 2,255,127; Sept. 9.
New Jersey Zinc Company, The. (See Best, George E., assignor.)
Newman, Delbert F., Schenectady, N. Y., assignor to General Electric Company. Refrigerant evaporator. 2,255,312; Sept. 9.
Newton, Max A., Avenal, Calif. Well bit. 2,255,435; Sept. 9.
Newton, Noel B., Acton, London, England. Suspension system for vehicles. 2,255,181; Sept. 9.
Nichols, Charles A., and R. H. Bish, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Manufacture of tubing. 2,255,550; Sept. 9.
Nickerson, Fred W., and W. C. Moore, Brooklyn, and H. Barnett, Jackson Heights, assignors to Guided Radio Corporation, New York, N. Y. Talk-back communication system. 2,255,517; Sept. 9.
Nielsen, Emanuel, Racine, Wis., assignor to V. W. Cunningham, Chicago, Ill. Glass washer. 2,255,080; Sept. 9.
Nielsen, Emanuel, and E. R. Mross, Racine, Wis., and V. W. Cunningham, Chicago, Ill.; said Nielsen and said Mross assignors to said Cunningham. Glass washer. 2,255,081; Sept. 9.
Nilsson, Emil Nikolaus. (See Sunell, Joseph K. E., assignor.)
Nirenberg, William, Troy, N. Y. Shirt construction. 2,255,362; Sept. 9.
Noor, Robert A., Tuscumbia, Ala. Pneumatic football training machine. 2,255,711; Sept. 9.
Nordstrom, Sven J., Lafayette, Calif., assignor to Merco Nordstrom Valve Company, Pittsburgh, Pa. High temperature valve. 2,255,182; Sept. 9.
Norton, Frederick H., Winchester, Mass., assignor to The Babcock & Wilcox Company, Newark, N. J. Electric furnace. 2,255,518; Sept. 9.
Nyberg, John, Chicago, Ill. Space measuring device. 2,255,328; Sept. 9.
Nygren, Karl A., Belle Vernon, Pa. Multiple bearing thrust block. 2,255,675; Sept. 9.
O. & S. Bearing Company. (See Schroeter, Bruno, assignor.)
O'Connor, Robert M., Warren, Ohio. Typographical slug casting machine. 2,255,590; Sept. 9.
Odell, Leslie S., Montreal, Quebec, Canada, assignor to Bird & Son, Inc., East Walpole, Mass. Siding corner construction. 2,255,736; Sept. 9.
Ohio Brass Company, The. (See Morris, Albert M., assignor.
Ohio Crankshaft Company, The. (See Deneen, F. S., and Dunn, assignors.)
Ohmart, Grayson R. (See Graham, Frank O., assignor.)
Oil Devices. (See Breese, James L., assignor.)
Oil Well Manufacturing Corporation. (See White, C., and Graham, assignors.)
Olean Tile Company. (See Phillips, Norris E., assignor.)
Olmsted, Russell C., Norwood, N. J. Expansion joint for roadways. 2,255,599; Sept. 9.
Olsen, Fred R. (See Kane, J. E., and Olsen.)
O'Reilly, John L., Pontiac, Mich. Method and apparatus for removing air from hydraulic brakes. 2,255,676; Sept. 9.
Ortegren, Herman A., and C. C. Howenstine, assignors to Bower Roller Bearing Company, Detroit, Mich. Feeder for bearing members. 2,255,625; Sept. 9.
Ortegren, Herman A., and C. C. Howenstine, assignors to Bower Roller Bearing Company, Detroit, Mich. Machine for assembling roller bearings. 2,255,626; Sept. 9.
Olson, John W., Hastings-on-Hudson, assignor to Anaconda Wire & Cable Company, New York, N. Y. Coating apparatus and operation. 2,255,436; Sept. 9.
Orthner, Ludwig, C. Platz, and H. Keller, Frankfort-on-the-Main, and H. Sonke, Bad Soden in Taunus, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Capillary active compounds and preparing them. 2,255,082; Sept. 9.
Osborn, Charles L., Cheyenne, Wyo. Windshield cleaner. 2,255,393; Sept. 9.
Oschatz, Fritz. (See Reppe, W. Hecht, and Oschatz.)
Osenberg, Werner, Dresden, Germany. Bonding metal to insulation. 2,255,184; Sept. 9.
Ostwald, Adolph, New York, N. Y. Adjustable mounting for fasteners. 2,255,183; Sept. 9.
Otis, Herbert C., Dallas, Tex. Well device. 2,255,451; Sept. 9.
Ottinger, Leon. (See Gage, Edward G., assignor.)
Owens-Corning Fiberglas Corporation. (See Baker, Clyde A., assignor.)
Pago Engineering Company. (See Page, John W., assignor.)
Page, John W., Chicago, Ill., assignor to Page Engineering Company. Air cylinder oiling. 2,255,568; Sept. 9.
Palmer, John F., Waukesha, Wis. Power actuated soap dispenser. 2,255,722; Sept. 9.
Parke, Davis & Company. (See Marker, Russell E., assignor.)
Parsons, Joseph R., assignor to United States Gypsum Company, Chicago, Ill. Apparatus for producing mineral wool. 2,255,227; Sept. 9.
Patrick, Joseph C., Morrisville, Pa. Methylene disulphide polymer. 2,255,228; Sept. 9.
Paxton, Gerald C., Riverside, assignor to Food Machinery Corporation, San Jose, Calif. Stacker. 2,255,297; Sept. 9.
Payton, James Y., assignor of one-fifth to L. E. Payton, Los Angeles, Calif. Signaling device for typewriters. 2,255,329; Sept. 9.
Payton, Louis E. (See Payton, James Y., assignor.)
Pearce, George C., assignor to General Motors Corporation, Dayton, Ohio. Overload device for capacitor start electric motors. 2,255,437; Sept. 9.
Pedersen, Charles J. (See Downing, F. B., and Pedersen.)
Peerless Machine Company. (See Jensen, Otto M., assignor.)
Pennant Knitting Mills, Inc. (See Markowitz, Jack, assignor.)
Penney, Gaylord W., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical precipitator, especially for minute dust particles. 2,255,677; Sept. 9.
Pennsylvania Industrial Chemical Corporation. (See Corkery, Frank W., assignor.)
Perrine, Emmett B., Minneapolis, Minn. Die apparatus for making files. 2,255,268; Sept. 9.
Perrine, Emmett B., Minneapolis, Minn. Making files. 2,255,269; Sept. 9.
Peters, Leo, assignor to Armour and Company, Chicago, Ill. Carton for plastic substances. 2,255,402; Sept. 9.

Peters, Melville F., Beltsville, Md., assignor to Washington Institute of Technology, Inc., Washington, D. C. Indicating means for radio landing systems. 2,255,569; Sept. 9.
Peterson, Andrew, Detroit, Mich. Swift. 2,255,363; Sept. 9.
Peterson, Colquit. (See Connor, A. W., and Peterson.)
Pfalzgraff, Ross M., Nahant, Mass., assignor to General Electric Company. Treatment of rotors. 2,255,493; Sept. 9.
Pfeffer, Anton W., Spokane, Wash. Fruit box. 2,255,513; Sept. 9.
Pflanze, Charles F., University City, Mo. Sheet-spacing machine. 2,255,083; Sept. 9.
Pflanze, Charles F., University City, Mo. Sheet-spacing machine. 2,255,084; Sept. 9.
Phalen, Joe, Chatsworth, Ill. Hog house. 2,255,185; Sept. 9.
Phillips, Norris E., assignor to Olean Tile Company, Olean, N. Y. Tile. 2,255,712; Sept. 9.
Phillips Petroleum Company. (See Schultze, Walter A., assignor.)
Pimm, Charles C., West Somerville, Mass. Pole splice clamp. 2,255,270; Sept. 9.
Pink, Clarence E., Cambridge, Md. Conveyer belt. 2,255,364; Sept. 9.
Pink, Clarence E., Cambridge, Md. Wire fabric. 2,255,452; Sept. 9.
Pittman, Ralph R., and C. H. Walsh, Pine Bluff, Ark. Insulated bracket. 2,255,530; Sept. 9.
Pittman, Ralph R., and C. H. Walsh, Pine Bluff, Ark. Insulated bracket. 2,255,531; Sept. 9.
Platz, Carl. (See Orthner, L., Platz, Keller, and Sönke.)
Platz, Elwood T., assignor to Bulldog Electric Products Company, Detroit, Mich. Switch. 2,255,330; Sept. 9.
Plews, George. (See Ayers, J. W., and Plews.)
Poché, John M., Gulfport, Miss., assignor of one-half to L. Vaccaro, New Orleans, La. Vehicle wheel mounting. 2,255,365; Sept. 9.
Poirette Corsets, Inc. (See Robbins, Philip H., assignor.)
Pondelick, Joseph. (See Kotchi, Charles J., assignor.)
Pool, Clark, and H. F. Cypser, Brooklyn, assignors to Signal Engineering & Manufacturing Company, New York, N. Y. Alarm signal system. 2,255,186; Sept. 9.
Popp, Walter H. (See Ebert, E. A., and Popp.)
Popper, Isaac C., New York, N. Y., assignor to Automatic Turbine Drive Company, Inc. Turbine drive and fluid flywheel and transmitting power therein. 2,255,515; Sept. 9.
Pospisil, Louis B., Seattle, Wash. Display and dispensing carton. 2,255,331; Sept. 9.
Post, Thomas R., Wilmington, N. C. Dating stamp. 2,255,453; Sept. 9.
Potter & Johnston Machine Company. (See Curtis, Myron S., assignor.)
Preston, Cullie C., Williamson, W. Va. Separating apparatus. 2,255,519; Sept. 9.
Productive Inventions, Inc. (See Anderson, John W., assignor.)
Productive Inventions, Inc. (See Smulski, Theodore J., assignor.)
Prutton, Carl F., Cleveland, and A. K. Smith, Shaker Heights, assignors to The Lubri-Zol Development Corporation, Cleveland, Ohio. Lubricating composition. 2,255,085; Sept. 9.
Pump Engineering Service Corporation. (See Johnson, James P., assignor.)
Quarnstrom, Bert L., et al. (See Burke, James P., assignor.)
Quarnstrom, Bert L., assignor to Bundy Tubing Company, Detroit, Mich. Tube and making tube. 2,255,472; Sept. 9.
Quirico, Joseph S. (See Lethern, A. A., and Quirico.)
Radio Corporation of America. (See Artzt, Maurice, assignor.)
Radio Corporation of America. (See Beverage, Harold H., assignor.)
Radio Corporation of America. (See Blaney, Arthur C., assignor.)
Radio Corporation of America. (See Colchester, Christopher D., assignor.)
Radio Corporation of America. (See Hoehn, John J., assignor.)
Radio Corporation of America. (See Koch, Winfield R., assignor.)
Radio Corporation of America. (See Martin, Herschel B., assignor.)
Radio Corporation of America. (See Riddle, James M., Jr., assignor.)
Radio Corporation of America. (See Sands, W. F., and Holst, assignors.)
Radio Corporation of America. (See Scholes, D. H. C., and Fairweather, assignors.)
Radio Corporation of America. (See Singer, Kurt, assignor.)
Radio Corporation of America. (See Wright, Antony, assignor.)
Rank, Werner, Berlin, Germany. Introducing gases into liquids. 2,255,532; Sept. 9.
Rasmussen, John H., Chicago, Ill. Auxiliary toilet seat. 2,255,272; Sept. 9.
Rast, Fritz H., Charleston, W. Va., assignor, by mesne assignments, to Electrolux Corporation, Dover, Del. Vacuum cleaner brush. 2,255,271; Sept. 9.
Ratz, Elmer G., Hamilton, Ontario, Canada, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Ground and interphase protection system. 2,255,678; Sept. 9.
Read Machinery Co. (See Duffy, J. T., Jr., and Jackson, assignors.)
Real Signal Company, The. (See Reasoner, Herman, assignor.)
Reasoner, Herman, assignor to The Real Signal Company, Delphos, Ohio. Magnetic switch means. 2,255,181; Sept. 9.
Recordgraph Corporation. (See Stern, Albert D., assignor.)
Rego, Antone. (See Gunn, John V., assignor.)
Rehfeld, Earl R., Chicago, Ill. Container seal and its application to containers. 2,255,570; Sept. 9.
Reichhelm, George L., New Haven, Conn. Radiant heater. 2,255,298; Sept. 9.
Remington Rand Inc. (See Dreher, Elmer H., assignor.)
Remington Rand Inc. (See Landsiedel, Walter W., assignor.)
Remington Rand Inc. (See Lasker, William W.)
Remington Rand Inc. (See McDonnell, Joseph M., assignor.)
Reppe, Walter, and O. Hecht, Ludwigshafen-on-the-Rhine, and F. Oschatz, Mannheim, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Solvent for organic film-forming materials. 2,255,229; Sept. 9.
Research Corporation. (See Barrow, Wilmer L., assignor.)
Rhode Island Tool Co. (See Hardwick, S. R., and Scott, assignors.)
Rhoads, James C., Erie, Pa., assignor to General Electric Company. Railway vehicle structure. 2,255,494; Sept. 9.
Rich, Theodore A., Schenectady, N. Y., assignor to General Electric Company. Impulse measuring and recording apparatus. 2,255,473; Sept. 9.
Riddle, James M. Jr., West Collingswood, N. J., assignor to Radio Corporation of America. Audio frequency amplifier. 2,255,679; Sept. 9.
Ridley, Albert S., Kew, Victoria, Australia. Fruit pitting machine. 2,255,533; Sept. 9.
Rieper, Gerhard, Berlin-Lichterfelde, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany. Measuring instrument for aircraft. 2,255,188; Sept. 9.
Riester, Oskar, Dessau, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Pseudocyanine dye. 2,255,128; Sept. 9.
Robbins, Philip H., assignor to Poirette Corsets, Inc., New York, N. Y. Garment closure. 2,255,713; Sept. 9.
Robinson, Eric Victor. (See Robinson, Victor S. and E. V.)
Robinson, Evelyn G., New York, N. Y. Material handling apparatus. 2,255,438; Sept. 9.
Robinson, Victor S. and E. V., Wallington, England. Spraying apparatus for cement, paints, and other liquids and substances. 2,255,189; Sept. 9.
Rockwell, Ronald J., assignor to The Crosley Corporation, Cincinnati, Ohio. Direct-current voltage transformation. 2,255,299; Sept. 9.
Rodelli, Michael, Brooklyn, N. Y. Screen. 2,255,714; Sept. 9.
Roethel, John H., assignor to Marvel Equipment Corporation, Detroit, Mich. Concealed hinge. 2,255,534; Sept. 9.
Rogers, Francis, Pittsburgh, Pa., assignor to The American Crayon Company, Sandusky, Ohio. Color cake. 2,255,628; Sept. 9.
Rogers, Walter F., Oak Park, Ill., assignor to Crown Stove Works. Broiler oven. 2,255,129; Sept. 9.
Roschen, Harry L., Maywood, assignor to Industrial Patents Corporation, Chicago, Ill. Inhibiting the clouding of liquid soap during storage in glass containers. 2,255,629; Sept. 9.
Rosenzweig, Seigfried, Long Island City, N. Y. Isolating machinery. 2,255,571; Sept. 9.
Ross, John, New York, N. Y., and H. G. Kirschenbauer, Ridgefield, assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Preparing fatty acid compounds. 2,255,230; Sept. 9.
Ruiz, Salvador I., Mexico City, Mexico. Antiglare light for all kinds of vehicles. 2,255,366; Sept. 9.
Russell, Harolow M. (See Sidebotham, Melvin H., assignor.)
Russell, James M., Edmonds, Wash. Golf club. 2,255,332; Sept. 9.
Rust, Frank H. C., Charlotte, N. C. Spinning top. 2,255,454; Sept. 9.
Ryall, Leonard E., Pinner, England. Variable amplifying device. 2,255,190; Sept. 9.
Sabalitschka, Theodor, Berlin-Steglitz, and E. Böhm, Cardiff, Wales; said Sabalitschka assignor to Heyden Chemical Corporation. Preserving materials. 2,255,191; Sept. 9.
Salzberg, Paul L., Carrcroft, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Blasting initiator. 2,255,600; Sept. 9.
Samms, Roy, Charleston, W. Va. Dustpan. 2,255,715; Sept. 9.
Sands, William F., West Collingswood, and P. F. G. Holst, Oaklyn, N. J., assignors to Radio Corporation of America. Variable permeability tuning system. 2,255,680; Sept. 9.

Sangamo Electric Company. (See Wilmeth, Roscoe H., assignor.)
Saqui & Co. (See Alexander, Stanford, assignor.)
Sass, John E., assignor to Iowa State College Research Foundation, Ames, Iowa. Microscope. 2,255,630; Sept. 9.
Sauer, Henry J., assignor to The Kilborn-Sauer Company, Fairfield, Conn. Collision-proof clearance lamp for vehicles. 2,255,273; Sept. 9.
Sauer, Lloyd, Milwaukee, Wis. Display card. 2,255,535; Sept. 9.
Sauter, William V., and H. F. Lawrence, assignors to American Engineering Company, Philadelphia, Pa. Fluid control system. 2,255,681; Sept. 9.
Sauter, William V., and H. F. Lawrence, assignors to American Engineering Company, Philadelphia, Pa. Fluid control system. 2,255,682; Sept. 9.
Savoye, Charles U., Hackensack, assignor to The Babcock & Wilcox Company, Newark, N. J. Fluid heat exchange apparatus. 2,255,086; Sept. 9.
Sawdon, Victor J., Bronxville, N. Y., and A. E. Brigham, Worcester, Mass. Envelope unit and publication containing the same. 2,255,087; Sept. 9.
Schack, Nathan, and H. Eberhart, St. Gall, Switzerland; said Eberhart assignor to said Schack. Machine for the automatic delivery of frozen nutrient materials and similar readily melting materials. 2,255,716; Sept. 9.
Schaller, William F. (See Friend, R. O., Montgomery, and Schaller.)
Scheiwer, Albert T., Erie, Pa. Coupling. 2,255,333; Sept. 9.
Scheiwer, Albert T., Erie, Pa. Coupling. 2,255,334; Sept. 9.
Scheiter Last Co. (See Mutch, James B., assignor.)
Schenk, Eduard, Oakdale, and C. J. Herzog, Castle Shannon, Pa. Wall structure. 2,255,367; Sept. 9.
Schilling, Otto, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Flexible coupling for sound recording devices. 2,255,742; Sept. 9.
Schlesische Spiegelglas-Manufactur Carl Tielsch G. m. b. H. (See Lamesch, Armand, assignor.)
Schmidt, Henry F., Lansdowne, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Governing apparatus. 2,255,439; Sept. 9.
Schmitt, Henry M., assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring apparatus. 2,255,601; Sept. 9.
Schmitt, Otto A. (See Kronquest, A. L., and Schmitt.)
Schoenberg, Benjamin, Corona, Long Island, assignor to Eagle Electric Mfg. Co., Inc., Brooklyn, N. Y. Lamp switch operator. 2,255,274; Sept. 9.
Scholes, Denys H. C., Hornchurch, and D. Fairweather, Danbury, near Chelmsford, England, assignors to Radio Corporation of America. Holder for piezoelectric crystal elements. 2,255,495; Sept. 9.
Schormuller, Anton. (See Windecker, R. E., and Schormuller.)
Schroeter, Bruno, assignor to O. & S. Bearing Company, Detroit, Mich. Bearing for independent wheel suspension for motor vehicles. 2,255,088; Sept. 9.
Schroeder, Paul C., assignor of fifty-one one hundredths to N. W. Fisher, Minneapolis, Minn. Reproducing wood grains. 2,255,335; Sept. 9.
Schuilman, Cyril A., Washington, D. C. Microscope. 2,255,631; Sept. 9.
Schultz, William O., assignor to Line Material Company, South Milwaukee, Wis. Fuse construction. 2,255,300; Sept. 9.
Schulze, Walter A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Treating oils. 2,255,394; Sept. 9.
Schuster, Hermann, assignor to Fernseh G. m. b. H., Berlin-Zehlendorf, Germany. Directional antenna system. 2,255,520; Sept. 9.
Schwartz, Donald L. V., assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Making nonferrous articles. 2,255,572; Sept. 9.
Schweitzer & Conrad, Inc. (See Triplett, H. A., and Lindell, assignors.)
Scott, Norman E. (See Hardwick, S. R., and Scott.)
Seghers, Emiel P., Chicago, Ill. Electric plug. 2,255,336; Sept. 9.
Separation Process Company. (See Vogel-Jorgensen, Mikael, assignor.)
Severson, Ole, Shelton, Conn., assignor to The Apex Tool & Cutter Company, Inc. Tool bit and toolholder therefor. 2,255,737; Sept. 9.
Seymour, George W., and G. C. Ward, Cumberland, Md., assignors to Celanese Corporation of America. Coloration of materials. 2,255,130; Sept. 9.
Sgoda Corporation. (See Williams, I., and Millman, assignors.)
Shell Development Company. (See Groll, H. P. A., and Tamele, assignors.)
Sherman, Wilson R., Fall River, Mass. Electroforming method of preparing stencils. 2,255,440; Sept. 9.
Shertzer, Leavitt A., Massillon, Ohio. Automatic tallying machine. 2,255,455; Sept. 9.
Shobert, Erie I., II. (See Kiefer, E. F., and Shobert.)
Sichman, John J. (See Kline, L. J., and Sichman.)
Sidebotham, Melvin H., West Newton, assignor of one-half to H. M. Russell, Chelsea, Mass. Machine for laminating paper. 2,255,397; Sept. 9.
Siedle, Arnold D., Canton, assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,255,441; Sept. 9.
Siemens Apparate und Maschinen Gesellschaft mit beschrankter Haftung. (See Fieber, K. W., and Wurthner, assignors.)
Siemens Apparate und Maschinen Gesellschaft mit beschrankter Haftung. (See Rieper, Gerhard, assignor.)
Signal Engineering & Manufacturing Company. (See Pool, C., and Cypser, assignors.)
Signal Engineering & Manufacturing Company. (See Wheelock, John H., assignor.)
Simonds, Roland S., Manchester, N. H. Pan for baking rolls. 2,255,089; Sept. 9.
Simpson, John K., assignor to Automotive Products Company Limited, London, England. Mechanism for producing angular movement. 2,255,592; Sept. 9.
Simpson, John M., Muncie, Ind., assignor to Borg-Warner Corporation of Chicago, Ill. Hydraulic torque converter. 2,255,591; Sept. 9.
Singer, Kurt, Burbank, Calif., assignor to Radio Corporation of America. Transmission control system. 2,255,683; Sept. 9.
Slater, Fred M., Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Controlling device for rock drills. 2,255,231; Sept. 9.
Smidth, F. L., & Co. (See Hansen, Niels M., assignor.)
Smith, Albert K. (See Prutton, C. F., and Smith.)
Smith, Elmer H., assignor to Smith Welding Equipment Corporation, Minneapolis, Minn. Acetylene generator. 2,255,536; Sept. 9.
Smith, Frank M. (See Stout, W. B., and Smith.)
Smith, George A., Baltimore, Md. Massaging device. 2,255,684; Sept. 9.
Smith, Percy W., New York, assignor to General Railway Signal Company, Rochester, N. Y. Coded continuous train control and cab signaling system for railroads. 2,255,192; Sept. 9.
Smith, Raymond E., Waukegan, Ill. Sheet metal bending tool. 2,255,368; Sept. 9.
Smith, Walter G. L. (See Graham, Adelbert M., assignor.)
Smith Welding Equipment Corporation. (See Smith, Elmer H., assignor.)
Smulski, Theodore J., Knox, assignor to Productive Inventions, Inc., Gary, Ind. Windshield wiper arm. 2,255,474; Sept. 9.
Smyth, Charles N. (See Bligh, N. R., and Smyth.)
Sniffen, Robert P. (See Christmas, Henry N., assignor.)
Societe de Constructions Mecaniques de Stains. (See Chamouton, Claude F. A., assignor.)
Société Air Equipment. (See Waselge, Charles R., assignor.)
Société Mesnel Frères. (See Mesnel, Jean R., assignor.)
Sönke, Heinz. (See Orthner, L., Platz, Kelle, and Sönke.)
Sorensen, Louis N., Port Clinton, Ohio, assignor to The Celotex Corporation, Chicago, Ill. Method and apparatus for transferring and delivering lath to perforating machines. 2,255,723; Sept. 9.
South Bend Bait Company. (See Lensch, Victor W., assignor.)
Spaeth, Charles, Cleveland, Ohio. Sampling device for liquid storage systems. 2,255,369; Sept. 9.
Sparks, William J., Alexandria, Va., and C. W. Muessig, Union, N. J., assignors to Standard Oil Development Company. Chemical process. 2,255,396; Sept. 9.
Special Equipment Company. (See Ewald, Mark, assignor.)
Sperandeo, Frank, Brooklyn, N. Y. Glove. 2,255,685; Sept. 9.
Spink, Harry B., West Palm Beach, Fla. Pneumatic filing device. 2,255,395; Sept. 9.
Splaine, Edward M., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 2,255,686; Sept. 9.
Splaine, Edward M., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting 2,255,687; Sept. 9.
Sprague Meter Company, The. (See Hutchinson, W. P., and McIntire, assignors.)
Srodulski, Joseph W., Chicago, Ill. Coin slide. 2,255,337; Sept. 9.
Stackpole Carbon Company. (See Kiefer, E. F., and Shobert, assignors.)
Stahly, Eldon E., Baton Rouge, La., assignor to Standard Oil Development Company. Polymerization of refinery unsaturates and preparation of improved motor fuels. 2,255,275; Sept. 9.
Standard Alcohol Co. (See Cohen, C. A., and Beamer, assignors.)
Standard Oil Company. (See Brunstrum, Lawrence C., assignor.)
Standard Oil Company. (See Forrest, Henry O., assignor.)
Standard Oil Development Company. (See Kunc, J., and Miller, assignors.)
Standard Oil Development Company. (See Ellis, C., Whitner, and Keegan, assignors.)
Standard Oil Development Company. (See Sparks, W. J., and Muessig, assignors.)
Standard Oil Development Company. (See Stahly, Eldon E., assignor.)
Steelman, James B., Fayetteville, Tenn. Threshing apparatus. 2,255,193; Sept. 9.

Steinberg, Fritz. (See Daeves, K., Becker, and Steinberg.)
Steiner, Frank G., Miami Beach, Fla., and R. G. Birr, Lombard, Ill., assignors to Steiner Sales Company, Salt Lake City, Utah. Cabinet for dispensing sheet material. 2,255,627; Sept. 9.
Steiner Sales Company. (See Birr, R. G., and Grunwald, assignors.)
Steiner Sales Company. (See Steiner, F. G., and Birr, assignors.)
Stephan, Hallis N. (See Lucas, H. M., and Stephan.)
Stern, Albert D., Jamaica Estates, Long Island, assignor to Recordgraph Corporation, New York, N. Y. Support for sound record films. 2,255,232; Sept. 9.
Stevens, Hoy, Lakewood, Ohio. Support. 2,255,632; Sept. 9.
Stewart, Charles M., Denver, Colo., assignor to Gardner-Denver Company, Quincy, Ill. Loading machine. 2,255,398; Sept. 9.
Stewart, Wendell F. (See Jackson, L. R., and Stewart.)
Stickless Corporation. (See Lichter, Malvin, assignor.)
Stillwagon, Charles K., assignor to Davis Brake Beam Company, Johnstown, Pa. Brake beam assembly. 2,255,131; Sept. 9.
Stoekle, Erwin R., assignor, by mesne assignments, to Globe-Union Inc., Milwaukee, Wis. Combined variable resistance and switch. 2,255,132; Sept. 9.
Stone, Irving, Chicago, Ill. Tape roll holder and dispenser. 2,255,456; Sept. 9.
Stout Engineering Laboratories, Inc. (See Stout, W. B., and Smith, assignors.)
Stout, William B., Detroit, and F. M. Smith, assignors to Stout Engineering Laboratories, Inc., Dearborn, Mich. Building construction. 2,255,194; Sept. 9.
Strauss, Ferdinand E., Schenectady, N. Y., assignor to General Electric Company. Pump-proof circuit breaker control system. 2,255,475; Sept. 9.
Subkow, Philip, Los Angeles, E. W. Gard, Palos Verdes Estates, and R. E. Haylett, Long Beach, assignors to Union Oil Company of California, Los Angeles, Calif. Cracking and polymerizing hydrocarbons. 2,255,399; Sept. 9.
Submarine Signal Company. (See Hart, Robert W., assignor.)
Squell, Joseph K. E., assignor of one-half to E. N. Nilsson, Franklin Square, N. Y. Moving picture projecting machine. 2,255,724; Sept. 9.
Swain, George, and W. L. Bower, assignors to James Neill & Company (Sheffield) Limited, Sheffield, England. Hack-saw machine. 2,255,457; Sept. 9.
Sylvester, Charles A. (See Butler, J. T., and Sylvester.)
Taft, Donald F., Eugene, Oreg. Pretzel doughnut cutter. 2,255,133; Sept. 9.
Tamele, Miroslav W. (See Groll, H. P. A., and Tamele.)
Tampler, René, Cricklewood, London, England. Ball joint. 2,255,195; Sept. 9.
Tavrone, Vincent, East Paterson, N. J. Adjustable sprinkler for lawns. 2,255,688; Sept. 9.
Taylor, Carl C. and J. Y., assignors to Educational Laboratories, Inc., Brownwood, Tex. Recording eye movements. 2,255,689; Sept. 9.
Taylor, Eural W., Denton, Tex. Cutting tool. 2,255,196; Sept. 9.
Taylor, James Y. (See Taylor, Carl C. and J. Y.)
Taylor, James, Saltcoats, Scotland, assignor to Imperial Chemical Industries, Limited. Safety blasting device and method. 2,255,602; Sept. 9.
Teltsch, Arnold. (See Baumgarten, Imre, assignor.)
Temple, George W., New York, assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Slug-casting machine. 2,255,338; Sept. 9.
Thomas, Arthur C., Milwaukee, Wis. Bait container. 2,255,134; Sept. 9.
Thomas, Henry P., Schenectady, and L. M. Leeds, Scotia, N. Y., assignors to General Electric Company. High efficiency amplifier. 2,255,476; Sept. 9.
Thomas, Roy E., Steubenville, Ohio. Periscope. 2,255,197; Sept. 9.
Thommen, Hans, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Multiple break gas blast circuit breaker. 2,255,198; Sept. 9.
Thompson, Louis A., Lakewood, Ohio, assignor to Acme Newspictures, Inc., New York, N. Y. Clamp for telephoto receivers. 2,255,339; Sept. 9.
Thompson, Parke H., Millville, N. J., assignor of thirty-five per cent to R. Maguire, New York, N. Y. Making pipe-joint fittings. 2,255,301; Sept. 9.
Timian, Edward and J., Dresden, N. Dak. Adjustable milk-strainer holder. 2,255,573; Sept. 9.
Timian, Joel. (See Timian, Edward and J.)
Tinker, John M., and D. E. Kvalnes, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Inhibiting the gas fading of dyed acetate silk. 2,255,090; Sept. 9.
Tognola, Tullio, Sidney, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Rotor. 2,255,477; Sept. 9.
Tollow, Frederick S., Whytelcafe, England, assignor to The Babcock & Wilcox Company, Newark, N. J. Fluid heat exchange apparatus. 2,255,233; Sept. 9.
Tominaga, Masaichi, Hasunuma-Cho, Kamata-Ku, Tokyo, Japan. Acoutic device. 2,255,458; Sept. 9.
Tornow, Maximilian, Berlin-Dahlem, Germany. Safety device for gas systems. 2,255,135; Sept. 9.
Transit Research Corporation. (See Hirshfeld, Clarence F., assignor.)
Tranter, Watson W., Hallam, assignor to A. B. Farquhar Company, Limited, York, Pa. Distributor. 2,255,442; Sept. 9.
Trescher, Joseph E., Guilford College, N. C., assignor to Continental Rubber Works, Erie, Pa. Knockout-window setting for busses and the like. 2,255,725; Sept. 9.
Triplett, Hugh A., Wilmette, and S. I. Lindell, assignors to Schweitzer & Conrad, Inc., Chicago, Ill. Mounting bracket. 2,255,400; Sept. 9.
Turner, Archibald J., Chicago, Ill., assignor to Wilson Sporting Goods Co., Baseball glove or mitt. 2,255,726; Sept. 9.
Tydelski, Anthony J., Jr., Alexander, N. Y. Front end suspension for vehicles. 2,255,370; Sept. 9.
Tyler, John M., West Hartford, assignor to United Aircraft Corporation East Hartford, Conn. Flexible connection. 2,255,717; Sept. 9.
Uhler, Wilmer P., Tottenville, N. Y., assignor to The S. S. White Dental Manufacturing Company. Flexible shaft. 2,255,234; Sept. 9.
Ulmer, William L. (See Medsker, C. A., and Merlub-Sobel.)
Underwood Elliott Fisher Company. (See Anderson, Walter A., assignor.)
Unger, Abraham, assignor to Concord Chenille Co., Inc., New York, N. Y. Device and method for making chenille and the like. 2,255,401; Sept. 9.
Unger, Paul O., Elmhurst, assignor to Wilson-Jones Company, Chicago, Ill. Loose-leaf binder. 2,255,537; Sept. 9.
Union Oil Company of California. (See Bradley, William E., assignor.)
Union Oil Company of California. (See Subkow, P., Gard, and Haylett, assignors.)
United Aircraft Corporation. (See Tyler, John M., assignor.)
United Shoe Machinery Corporation. (See Carr, Elton G., assignor.)
United Shoe Machinery Corporation. (See Farnum, Leroy, assignor.)
United Shoe Machinery Corporation. (See Gross, Charles J., assignor.)
United Shoe Machinery Corporation. (See Lyness, Horatio S., assignor.)
United States Gypsum Company. (See Duncan, James K., assignor.)
United States Gypsum Company. (See Parsons, Joseph R., assignor.)
United States of America as represented by the Secretary of Interior. (See Maier, Charles G., assignor.)
United States Rubber Company. (See Bull, A. W., and Havens, assignors.)
United States Rubber Company. (See Howland, Louis H., assignor.)
"Universelle" Cigarettenmaschinen-Fabrik J. C. Muller & Co. (See Krause, Willy, assignor.)
Vaccaro, Lucas. (See Poché, John M., assignor.)
Valley Shoe Corporation. (See Green, William F., assignor.)
Van Gorder, Ella. (See Clarkson, Douglas R., assignor.)
Van Hamersveld, John J. N., Cleveland Heights, assignor to The Warner & Swasey Company, Cleveland, Ohio. Machine tool. 2,255,199; Sept. 9.
Van Ryzin, Joseph P., Appleton, Wis. Cutting block. 2,255,443; Sept. 9.
Van Vorst, John, Frankfort, N. Y. Tire grooving means. 2,255,718; Sept. 9.
Vaughn, Sidney P., Ackerman, Miss. Device for washing and wringing sponge mops. 2,255,091; Sept. 9.
Victor Metal Products Corporation. (See Temple, George W., assignor.)
Vile, Norman J., assignor to The American Hardware Corporation, New Britain, Conn. Lock. 2,255,402; Sept. 9.
Vinz, Alfred O., Monterey Park, Calif. Burglar alarm. 2,255,603; Sept. 9.
Vogel-Jorgensen, Mikael, Copenhagen, Denmark, assignor, by mesne assignments, to Separation Process Company, Borough of Catasauqua, Lehigh County, Pa. Flotation of calcium carbonate ores. 2,255,139; Sept. 9.
Vogt, Clarence W. (See Lakso, Eino E., assignor.)
Vogt, Clarence W., Norwalk, Conn., and E. E. Lakso, Fitchburg, Mass.; said Lakso assignor to said Vogt. Loose-leaf binder. 2,255,136; Sept. 9.
Vogt, Clarence W., Norwalk, Conn., and E. E. Lakso, Fitchburg, Mass.; said Lakso assignor to said Vogt. Loose-leaf binder. 2,255,137; Sept. 9.
Vogt, Clarence W., Norwalk, Conn. Loose-leaf binder. 2,255,138; Sept. 9.
Vokes, Cecil G. (See Blanchard, Joseph G., assignor.)
Vretman, Carl G., Atlanta, Ga. Cooling partition for domestic refrigerators. 2,255,459; Sept. 9.
Wade, Charlie B. (See Gray, Griffin W., assignor.)
Wadsworth Electric Manufacturing Company, The. (See Landmeier, Edwin W., assignor.)
Wagner, Lucius L., Ocean Park, assignor to Morris Lavine, Los Angeles, Calif. Can Carrier. 2,255,633; Sept. 9.
Wagner Malleable Products Company. (See McDermott, Franklin, assignor.)
Wahl, Frederick G., Detroit, Mich. Transmission. 2,255,200; Sept. 9.
Waldorf Paper Products Company. (See Guyer, Reynolds, assignor.)

Waldron, John, Corporation. (See Case, Lynn B., assignor.)
Walsh, Carroll H. (See Pittman, R. R., and Walsh.)
Walsh, Carroll H. (See Pittman, R. R., and Walsh.)
Walsh, David J., Bridgeport, Conn. Flange union. 2,255,634; Sept. 9.
Walter, Charles T., assignor to Industrial Patents Corporation, Chicago, Ill. Inverter and transfer mechanism. 2,255,635; Sept. 9.
Ward, George C. (See Seymour, G. W., and Ward.)
Waring, James H., Brunswick, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Burnishing tool. 2,255,140; Sept. 9.
Warner, Archibald A., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Universal joint and brake drum assembly. 2,255,604; Sept. 9.
Warner & Swasey Company, The. (See Van Hamersveld, John J. N., assignor.)
Warriner, Percy S., Doncaster, England. Apparatus for the continuous automatic projection of photographic transparencies and the like. 2,255,719; Sept. 9.
Waselge, Charles R., Ruell, assignor to Air Equipment, Boulogne-Billancourt, Seine, France. Winch for use on board aircraft. 2,255,574; Sept. 9.
Waselge, Charles R., Ruell-Malmaison, assignor to Société Air Equipment, Billancourt, Seine, France. Engine starting mechanism. 2,255,575; Sept. 9.
Washington Institute of Technology, Inc. (See Peters, Melville F., assignor.)
Waterlow & Sons Limited. (See Clifford, Sydney G., assignor.)
Watling, Albert J., Chicago, Ill. Educational apparatus. 2,255,521; Sept. 9.
Weaver, Millard L., Rimersburg, Pa. Plumbing system. 2,255,460; Sept. 9.
Weaver, Newton M. (See Wintsch, Max T., assignor.)
Weir, Robert E., assignor to R. L. Kahn, Chicago, Ill. Arc welder. 2,255,141; Sept. 9.
Welch, Florence, Omaha, Nebr. Breakfast cereal. 2,255,340; Sept. 9.
Welge, Henry J., Bryan, Tex. Polymerization of olefins. 2,255,302; Sept. 9.
Wentworth, Theodore O., Cincinnati, Ohio. Extracting acetic acid from aqueous mixtures. 2,255,235; Sept. 9.
Wesselman, Albert, Cincinnati, Ohio. Appliance for filling bottle carriers. 2,255,576; Sept. 9.
Western Electric Company. (See Martindell, Frank, assignor.)
Westinghouse Electric & Manufacturing Company. (See Armstrong, George C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Dawson, J. W., and Jenks, assignors.)
Westinghouse Electric & Manufacturing Company. (See King, George E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Marden, J. W., and Meister, assignors.)
Westinghouse Electric & Manufacturing Company. (See Penney, Gaylord W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Ratz, Elmer G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Schmidt, Henry F., assignor.)
Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Corporation. Periodic wave repeater. 2,255,403; Sept. 9.
Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Corporation. Band-pass selector. 2,255,690; Sept. 9.
Wheelock, John H., Fitzwilliam, N. H., assignor to Signal Engineering & Manufacturing Company, New York, N. Y. Code setting device for signal systems. 2,255,201; Sept. 9.
White, Clarence, Walnut Park, and O. B. Graham, assignors to Oil Well Manufacturing Corporation, Los Angeles, Calif. Slush pump valve. 2,255,404; Sept. 9.
White, S. S., Dental Manufacturing Company. (See Uhler, Wilmer P., assignor.)
White Sewing Machine Corporation. (See Colegrove, Nathaniel E., assignor.)
Whitehead, Cecil L. (See Mattingly, H. W., Irwin, Lewis, Duval, Chenoweth, and Whitehead.)
Whitner, Thomas C. (See Ellis, C., Whitner, and Keegan.)
Whiton, Lucius E., New London, Conn. Lathe chuck. 2,255,202; Sept. 9.
Wiegand, Francis J., Ridgewood, N. J., assignor to Wright Aeronautical Corporation. Fuel injection spark plug. 2,255,203; Sept. 9.
Wight, Sedgwick N., assignor to General Railway Signal Company, Rochester, N. Y. Interlocking system for railroads. 2,255,142; Sept. 9.
Wilcox, William H., and O. C. Hagan, Stockton, Calif., assignors to California Cedar Products Company. Article segregating machine. 2,255,522; Sept. 9.
Wilderson, Ell, assignor to Ditto, Incorporated, Chicago, Ill. Moistener for liquid type duplicating machines. 2,255,405; Sept. 9.
Wilkie, Robert J., assignor to Continental Machines, Incorporated, Minneapolis, Minn. Band saw package. 2,255,577; Sept. 9.
Willenborg, Walter J., Weehawken, N. J., assignor to Monocel Inc. Single cell thermal conductivity measurements. 2,255,551; Sept. 9.
Williams, C. K., & Co. (See Ayers, J. W., and Plews, assignors.)
Williams, Ira, Borger, Tex., and N. Millman, Macon, assignors to Sgoda Corporation, Huber, Ga. Treatment of clay. 2,255,371; Sept. 9.
Williams, William G., Orange, Calif. Tie rack. 2,255,461; Sept. 9.
Willis, Sanford L., White Plains, assignor to Corning Glass Works, Corning, N. Y. Multicellular glass. 2,255,236; Sept. 9.
Willis, Sanford L., White Plains, assignor to Corning Glass Works, Corning, N. Y. Apparatus for making multicellular glass. 2,255,237; Sept. 9.
Willis, Sanford L., White Plains, assignor to Corning Glass Works, Corning, N. Y. Making multicellular glass. 2,255,238; Sept. 9.
Wilmeth, Roscoe H., assignor to Sangamo Electric Company, Springfield, Ill. Indicating apparatus. 2,255,372; Sept. 9.
Wilson, Clarence W., Norco, assignor to California Fruit Growers Exchange, Los Angeles, Calif. Composition of citrus fruit constituents and boric acid and making the same. 2,255,341; Sept. 9.
Wilson, John C., Bayside, N. Y., assignor to Hazeltine Corporation. Television signal-translating system. 2,255,691; Sept. 9.
Wilson, John C., Bayside, N. Y., assignor to Hazeltine Corporation. Television signal-translating system. 2,255,692; Sept. 9.
Wilson-Jones Company. (See Unger, Paul O., assignor.)
Wilson Sporting Goods Co. (See Turner, Archibald J., assignor.)
Windecker, Robert E., and A. Schormuller, Painesville, Ohio. Manufacture of 1-chloro, 3-bromo propane. 2,255,605; Sept. 9.
Wintersberger, Karl. (See Fick, R., and Wintersberger.)
Winthrop Chemical Company. (See Kropp, Walter.)
Wintsch, Max T., assignor of one-half to N. M. Weaver, Lancaster, Pa. Rotational speed responsive device. 2,255,092; Sept. 9.
Wittmann, Robert A., Chicago, Ill., assignor to Chicago By-Products Corporation. Gas burner. 2,255,636; Sept. 9.
Woodward, William E., Forest Hills, N. Y. Locomotive engine. 2,255,303; Sept. 9.
Wright Aeronautical Corporation. (See Goodman, Willard B., assignor.)
Wright Aeronautical Corporation. (See Hill, Henry C., assignor.)
Wright Aeronautical Corporation. (See Wiegand, Francis J., assignor.)
Wright, Antony, Norristown, Pa., assignor to Radio Corporation of America. On-off indicator circuit. 2,255,637; Sept. 9.
Wright, James G. E. (See Feagin, R. C., and Wright.)
Wright, Theodore M., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Coin-controlled magazine switch mechanism. 2,255,304; Sept. 9.
Wurlitzer, Rudolph, Company, The. (See Wright, Theodore M., assignor.)
Wurthner, Oskar. (See Fieber, K. W., and Wuthner.)
Wyman, Bryce W., Upper Darby, Pa., assignor to General Electric Company. Control system for circuit breakers. 2,255,496; Sept. 9.
Zehner, William H., assignor to The F. E. Myers & Bro. Co., Ashland, Ohio. Triple acting pump. 2,255,305; Sept. 9.
Zehner, William H., assignor to The F. E. Myers & Bro. Co., Ashland, Ohio. Triple acting pump. 2,255,306; Sept. 9.
Ziegler, George E., assignor to Eversharp, Inc., Chicago, Ill. Fountain pen. 2,255,093; Sept. 9.
Zurmühlen, Willy. (See Berger, J., Kaiser, and Zurmühlen.)

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 9TH DAY OF SEPTEMBER, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Garment pressing machine. W. Strobridge. Re. 21,899; Sept. 9.

Loudspeaker. J. P. Quam. Re. 21,898; Sept. 9.

LIST OF DESIGN INVENTIONS

Airplane or the like, Amphibian. R. J. Nebesar. 129,412; Sept. 9.
Applicator for applying shaving cream and similar preparations. W. D. Heusley. 129,393; Sept. 9.
Ash tray and pipe rest or similar article, Combined. L. Jindrak. 129,426; Sept. 9.
Bar, Towel. R. S. Sanford. 129,365; Sept. 9.
Bath tub. L. Keller. 129,381; Sept. 9.
Bedstead. L. Jiranek. 129,359; Sept. 9.
Book cover or similar article, Memorandum. L. Guild. 129,375; Sept. 9.
Bowl or similar article. L. Guild. 129,358; Sept. 9.
Brooch. C. Movsesian. 129,399; Sept. 9.
Brooch or similar article. A. Katz. 129,435–8; Sept. 9.
Brooch or similar article. D. Mir. 129,439; Sept. 9.
Brooch or similar article. A. Philippe 129,440; Sept. 9.
Brooch or similar article. A. Philippe. 129,444–5; Sept. 9.
Brooch or similar article, Separable. A. Katz. 129,427–9; Sept. 9.
Bumper or similar article, Automobile. G. W. Walker. 129,417–19; Sept. 9.
Cabinet and golf club display, Combined. E. L. Clouse. 129,390. Sept. 9.
Cabinet, Display. R. B. Norris. 129,400; Sept. 9.
Cabinet for battery charger. S. L. Christie. 129,408; Sept. 9.
Cabinet, Vending machine. J. E. Stewart. 129,405; Sept. 9.
Card and tubing display, Combined. F. G. McGaw. 129,398; Sept. 9.
Carrier, Bottle. C. A. Heuler. 129,380; Sept. 9.
Case, Display. J. B. Guttman. 129,392; Sept. 9.
Case, Storage battery. J. J. Demko. 129,378; Sept. 9.
Casing for an adding machine. W. A. Kropp. 129,415; Sept. 9.
Chaise longue or similar article. J. C. Feldman. 129,421; Sept. 9.
Clip, Pin. A. Philippe. 129,441–3; Sept. 9.
Coach, Motor. R. Loewy. 129,396; Sept. 9.
Coat. A. Del Re. 129,446–7; Sept. 9.
Dial for watches or similar articles. B. Dupertuis. 129,370; Sept. 9.
Dress. Z. Golden. 129,448–52; Sept. 9.
Dress. Z. Golden. 129,454–5; Sept. 9.
Dress. N. Rosenstein. 129,468; Sept. 9.
Dress. B. Saunder. 129,453; Sept. 9.
Dress. N. Shapiro. 129,404; Sept. 9.
Dress. A. B. Weinberg. 129,385; Sept. 9.
Electric-switch actuator. M. W. Eaton. 129,413; Sept. 9.
Fabric or similar article, Knitted textile. L. M. Rottenberg. 129,383; Sept. 9.
Fabric, Pile. H. E. Wadely. 129,366–7; Sept. 9.
Fabric, Textile. C. E. Forstmann. 129,372; Sept. 9.
Fabric, Textile. H. E. Goodman. 129,424; Sept. 9.
Fabric, Textile. J. Rubin. 129,416; Sept. 9.
Fabric, Textile. F. A. Sheild. 129,377; Sept. 9.
Figurine or similar article. J. Herbst. 129,456–61; Sept. 9.
Game board. E. T. Tishock. 129,384; Sept. 9.
Handbag. F. N. Lewis. 129,395; Sept. 9.
Handle and escutcheon, Combined latch. C. E. Hodgman. 129,394; Sept. 9.
Hanger, Clothes. A. B. Cole. 129,389; Sept. 9.
Hanger, Towel. O. C. Frank. 129,414; Sept. 9.
Hat. P. M. Maxwell and E. Lundberg. 129,397; Sept. 9.
Holder, Bottle. W. Sedgwick. 129,403; Sept. 9.
Holder or similar article, Blotter. L. Guild. 129,373; Sept. 9.
Housing for floor maintenance machines, Base. W. E. Holt. 129,425; Sept. 9.
Knife, Pocket. P. J. Cummings. 129,369; Sept. 9.
Lace. D. L. Peister. 129,401; Sept. 9.
Lace or similar article. J. Aemisegger. 129,356; Sept. 9.
Lace or similar article. A. Lipschitz. 129,360–1; Sept. 9.
Lighting fixture. E. H. Greppin. 129,357; Sept. 9.
Lighting fixture or similar device. H. K. Pracht. 129,363–4; Sept. 9.
Lighting unit. A. F. Pieper. 129,362; Sept. 9.
Locomotive, Body. H. L. Hamilton, W. D. Otter, and P. A. Meyer. 129,409–10; Sept. 9.
Memorandum unit, Automobile steering post. H. L. Bennett. 129,420; Sept. 9.
Motor coach. R. Loewy. 129,411; Sept. 9.
Pencil and pocket knife, Combination. P. J. Cummings. 129,368; Sept. 9.
Placard or the like, Advertising display. H. C. Whittlesey. 129,406; Sept. 9.
Rack or similar article, Correspondence. L. Guild. 129,374; Sept. 9.
Range. E. D. Pellegrin. 129,465–6; Sept. 9.
Range and kitchen heater, Combined. E. D. Pellegrin. 129,467; Sept. 9.
Range, Gas. E. D. Pellegrin. 129,463–4; Sept. 9.
Regalia for a fraternal organization. E. R. Wilmarth. 129,386; Sept. 9.
Regalia for a fraternal organization. E. R. Wilmarth. 129,407; Sept. 9.
Rug. L. Biva. 129,388; Sept. 9.
Scarf or similar article. P. Goldenstein. 129,422–3; Sept. 9.
Seat for barber chair, Child's. W. A. and V. A. Dennis. 129,379; Sept. 9.
Shoe or similar article. N. Elkin. 129,371; Sept. 9.
Stand or similar article, Furniture flower. L. Reimer. 129,382; Sept. 9.
Stand, Reservoir desk. W. A. Sheaffer. 129,376; Sept. 9.
Support for pads, maps, or the like, Cycle handlebar. J. Fischer. 129,391; Sept. 9.
Tag for a bracelet or the like, Identification. C. B. Schindler. 129,402; Sept. 9.
Top and back splash panel for ranges, Combined. E. D. Pellegrin. 129,462; Sept. 9.
Toy or similar article, Dog. M. M. Beary. 129,387; Sept. 9.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 9TH DAY OF SEPTEMBER, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice)

Acetylene generator. E. H. Smith. 2,255,536; Sept. 9.
Acid and iron oxide from waste pickling acid, Production of sulphuric. D. R. Clarkson. 2,255,445; Sept. 9.
Acid compounds, Preparing fatty. J. Ross and H. G. Kirschenbauer. 2,255,230; Sept. 9.
Acid derivative, Malonic. W. Kropp. 2,255,447; Sept. 9.
Acid from aqueous mixtures, Extracting acetic. T. O. Wentworth. 2,255,235; Sept. 9.
Acids, Purification of carboxylic. H. P. A. Groll and M. W. Tamele. 2,255,421; Sept. 9.
Acoustic device. M. Tominaga. 2,255,458; Sept. 9.
Adding and calculating machine. B. Carlstrom. 2,255,102; Sept. 9.
Agricultural machine. I. A. Harvey. 2,255,562; Sept. 9.
Air conditioning system. R. L. Lincoln. 2,255,292; Sept. 9.
Air conditioning system. W. L. McGrath. 2,255,735; Sept. 9.
Air cylinder oiling. J. W. Page. 2,255,568; Sept. 9.
Air switch. E. M. Claytor. 2,255,556; Sept. 9.
Alarm, Burglar. A. O. Vinz. 2,255,603; Sept. 9.
Alkylation with chlorosulphonic acid. W. E. Bradley. 2,255,610; Sept. 9.
Aluminum, beryllium, chromium, magnesium, and alloys of these metals, Producing. O. Kruh. 2,255,540; Sept. 9.
Ammonia from spent cuprammonium silk precipitation liquors, Recovery of. A. Haltmeier. 2,255,114; Sept. 9.
Amplifier, Audio frequency. J. M. Riddle, Jr. 2,255,679; Sept. 9.
Amplifier, High efficiency. H. P. Thomas and L. M. Leeds. 2,255,476; Sept. 9.
Amplifying device, Variable. L. E. Ryall. 2,255,190; Sept. 9.
Amusement device. C. Lorow. 2,255,175; Sept. 9.
Annealing apparatus and method. C. B. Hoak. 2,255,617; Sept. 9.
Antenna element, Rotary radio. R. A. Cowdery and H. L. Jenkins. 2,255,446; Sept. 9.
Antenna system, Directional. H. Schuster. 2,255,520; Sept. 9.
Anthraquinone compounds. J. B. Dickey and J. R. Byers, Jr. 2,255,045; Sept. 9.
Antiglare light for all kinds of vehicles. S. I. Ruiz. 2,255,366; Sept. 9.
Apparatus and method for detecting defects in metallic objects. R. Gunn. 2,255,053; Sept. 9.
Apparatus and method for making concrete roadways. R. W. Baily. 2,255,342; Sept. 9.
Apparatus and method for making concrete roadways. R. W. Baily. 2,255,345; Sept. 9.
Apparatus for and method of treating the brims of hats. J. E. Kane and F. R. Olsen. 2,255,547; Sept. 9.
Apparatus for blunging and decolorizing clay or the like. S. C. Lyons. 2,255,429; Sept. 9.
Apparatus for cleaning receptacles pneumatically. E. M. Frankel. 2,255,615; Sept. 9.
Apparatus for consolidating plastic materials by means of internally applied vibrations. R. W. Baily. 2,255,344; Sept. 9.
Apparatus for the continuous automatic projection of photographic transparencies and the like. P. S. Warriner. 2,255,719; Sept. 9.
Apparatus for inclined earth drilling. H. S. Brown. 2,255,241; Sept. 9.
Apparatus for inspecting crown caps. L. V. Hare. 2,255,705; Sept. 9.
Apparatus for making boxes. W. E. Helmstaedter. 2,255,116; Sept. 9.
Apparatus for making concrete pavements. R. W. Baily. 2,255,343; Sept. 9.
Apparatus for making concrete roadways. R. W. Baily. 2,255,346; Sept. 9.
Apparatus for making flashing. C. C. Figge. 2,255,156; Sept. 9.
Apparatus for making multicellular glass. S. L. Willis. 2,255,237; Sept. 9.
Apparatus for producing mineral wool. J. R. Parsons. 2,255,227; Sept. 9.
Apparatus for providing uniformly graded fibrous materials. J. K. Duncan. 2,255,206; Sept. 9.
Apparatus for the disintegration of materials. F. C. Good. 2,255,213; Sept. 9.
Apparatus for the twist-spinning of artificial threads. K. Berndt. 2,255,504; Sept. 9.
Apparatus for treatment of gases. C. L. Hunsicker. 2,255,523; Sept. 9.
Apparatus for treatment of hydrocarbon residues. E. J. Houdry. 2,255,059; Sept. 9
Apparatus for treatment of iron sulphate. D. R. Clarkson. 2,255,539; Sept. 9.
Appliance for filling bottle carriers. A. Wesselman. 2,255,576; Sept. 9.
Arc welder. R. E. Weir. 2,255,141; Sept. 9.
Article segregating machine. W. H. Wilcox and O. C. Hagan. 2,255,522; Sept. 9.
Aryloxy-tetrahydronaphthalenes. C. L. Moyle. 2,255,434; Sept. 9.
Ash tray and receptacle. H. Leiman. 2,255,428; Sept. 9.
Automatic background control for television systems. R. B. Dome. 2,255,484; Sept. 9.
Automatic control head for breather systems. A. C. Dressler. 2,255,351; Sept. 9.
Automatic control of atmospheric conditions. F. C. McIntosh. 2,255,179; Sept. 9.
Automotive device. F. de L. Brown. 2,255,347; Sept. 9.
Bait container. A. C. Thomas. 2,255,134; Sept. 9.
Ball joint. R. Tampier. 2,255,195; Sept. 9.
Bank notes, bonds, and like documents of value from fraudulent imitation, Safeguarding. S. G. Clifford. 2,255,696; Sept. 9.
Bar for hack saw blades, Backing-up. O. M. Jensen. 2,255,620; Sept. 9.
Baseball glove or mitt. A. J. Turner. 2,255,726; Sept. 9.
Baton. W. Greenquist and R. Gruetzman. 2,255,352; Sept. 9.
Battery, Coke oven. H. Koppers. 2,255,425; Sept. 9.
Bearing: *See*—
Roller bearing.
Bearing. A. Gulow. 2,255,662; Sept 9.
Bearing for independent wheel suspension for motor vehicles. B. Schroeter. 2,255,088; Sept. 9.
Bed, Invalid. R. C. Miller. 2,255,710; Sept. 9.
Belt, Conveyer. C. E. Pink. 2,255,364; Sept. 9.
Bending tool, Sheet metal. R. E. Smith. 2,255,368; Sept. 9.
Binder, Loose-leaf. E. E. Lakso. 2,255,121; Sept. 9.
Binder, Loose-leaf. P. O. Unger. 2,255,537; Sept 9.
Binder, Loose-leaf. C. W. Vogt. 2,255,138; Sept. 9.
Binder, Loose-leaf. C. W. Vogt and E. E. Lakso. 2,255,136–7; Sept. 9.
Bit: *See*—
Well bit.
Blasting initiator. P. L. Salzberg. 2,255,600; Sept. 9.
Blind, Venetian. J. T. Butler and C. A. Sylvester. 2,255,311; Sept. 9.
Blind, Venetian. L. Mintz. 2,255,326; Sept. 9.
Block: *See*—
Cutting block.
Multiple bearing thrust block.
Board: *See*—
Ironing board.
Bobbin winder for sewing machines. N. E. Colegrove. 2,255,152; Sept. 9.
Boring machine, Horizontal. H. M. Lucas and H. N. Stephan. 2,255,176; Sept. 9.
Bottle cap. G. H. Hutaff, Jr. 2,255,256–7; Sept. 9.
Box: *See*—
Folding box. Fruit box.
Boxes, Making. W. E. Helmstaedter. 2,255,117; Sept. 9.
Bracket: *See*—
Insulated bracket. Supporting bracket.
Mounting bracket.
Brake arrangement. W. H. Baselt. 2,255,728; Sept. 9.
Brake. G. P. Hall. 2,255,383; Sept. 9.
Brake. E. F. Loweke. 2,255,260; Sept. 9.
Brake beam assembly. C. K. Stillwagon. 2,255,131; Sept. 9.
Braking system, Fluid pressure. A. A. Loweke. 2,255,259; Sept. 9.
Brassière. M. P. Lewis. 2,255,720; Sept. 9.
Bread manufacturing process. J. T. Duffy, Jr., and P. Jackson. 2,255,282; Sept. 9.
Brush, Vacuum cleaner. F. H. Rast. 2,255,271; Sept. 9.
Building construction. W. B. Stout and F. M. Smith. 2,255,104; Sept. 9.
Burner: *See*—
Gas burner.
Burner. H. N. Christmas. 2,255,349; Sept. 9.
Burnishing tool. J. H. Waring. 2,255,140; Sept. 9.
Cabinet: *See*—
Towel dispensing cabinet.
Cabinet for dispensing sheet material. F. G. Steiner and R. G. Birr. 2,255,627; Sept. 9.
Calculating, registering, and ticket printing machine, Combined. D. Broido. 2,255,147; Sept. 9.
Calendar, Perpetual. J. M. Crabb, Sr. 2,255,700; Sept. 9.

Can carrier. L. L. Wagner. 2,255,633; Sept. 9.
Cap: *See*—
Bottle cap.
Cap and net, Sleeping. G. A. Laughton. 2,255,708; Sept. 9.
Capillary active compounds and preparing them. L. Orthner, C. Platz, H. Keller, and H. Sönke. 2,255,082; Sept. 9.
Card comparing machine, Statistical. J. M. McDonnell. 2,255,674; Sept. 9.
Carrier: *See*—
Can carrier.
Carton, Display and dispensing. L. B. Pospisil. 2,255,331; Sept. 9.
Carton for plastic substances. L. Peters. 2,255,492; Sept. 9.
Case: *See*—
Display case.
Caster. C. K. Greenleaf. 2,255,113; Sept. 9.
Casting machine, Typographical slug. R. M. O'Connor. 2,255,590; Sept. 9.
Cathode ray deflecting device. J. Günther. 2,255,039; Sept. 9.
Cereal, Breakfast. F. Welch. 2,255,340; Sept. 9.
Chain applier, Skid. J. R. Machain. 2,255,178; Sept. 9.
Chain for automobile tires, Cross. J. E. Devlin. 2,255,350; Sept. 9.
Chair. E. B. Morgan. 2,255,327; Sept. 9.
Charge separating and rolling means for cigar bunch machines. J. F. Halstead. 2,255,740; Sept. 9.
Chemical process. W. J. Sparks and C. W. Muessig. 2,255,396; Sept. 9.
Chromium to diffuse, Process which consists in causing. K. Daeves, G. Becker, and F. Steinberg. 2,255,482; Sept. 9.
Cigar machine. J. F. Halstead. 2,255,054; Sept. 9.
Cigars, Humidifying. J. P. Mohen. 2,255,491; Sept. 9.
Circuit: *See*—
Indicator circuit.
Circuit breaker, Multiple break gas blast. H. Thommen. 2,255,198; Sept. 9.
Circular loom. I. Baumgarten. 2,255,608; Sept. 9.
Clamp: *See*—
Pole splice clamp.
Clamp. C. J. Kotchi. 2,255,320; Sept. 9.
Clamp for telephoto receivers. L. A. Thompson. 2,255,330; Sept. 9.
Clay, Treatment of. I. Williams and N. Millman. 2,255,371; Sept. 9.
Cleaner: *See*—
Clothes line cleaner. Windshield cleaner.
Cleaning pad. J. W. Anderson. 2,255,497; Sept. 9.
Clip: *See*—
Thrust clip.
Closing device for receptacles. A. E. Lamarthe. 2,255,598; Sept. 9.
Clothesline cleaner. T. Esposito. 2,255,154; Sept. 9.
Clothespin. F. Kabriel. 2,255,467; Sept. 9.
Clutch: *See*—
Driving clutch. Load limiting clutch.
Coating apparatus. R. L. Melton, R. C. Benner, and H. P. Kirchner. 2,255,294; Sept. 9.
Coating apparatus and operation. J. W. Olson. 2,255,436; Sept. 9.
Code setting device for signal systems. J. H. Wheelock. 2,255,201; Sept. 9.
Coded continuous train control and cab signaling system for railroads. P. W. Smith. 2,255,192; Sept. 9.
Coil assembly, High frequency. R. K. Frazier. 2,255,730; Sept. 9.
Coin slide. J. W. Srodulski. 2,255,337; Sept. 9.
Collecting apparatus, Dust. A. M. Morris. 2,255,448; Sept. 9.
Colloidal mill. L. M. Dixon. 2,255,105; Sept. 9.
Color cake. F. Rogers. 2,255,628; Sept. 9.
Coloration of materials. G. W. Seymour and G. C. Ward. 2,255,130; Sept. 9.
Combustion apparatus. H. A. Dreffein. 2,255,540; Sept. 9.
Communication system, Radio. R. W. Hart. 2,255,162; Sept. 9.
Communication system, Talk-back. F. W. Nickerson, W. C. Moore, and H. Barnett. 2,255,517; Sept. 9.
Compact, Triple mirror illuminated. W. Dawson. 2,255,312; Sept. 9.
Composition suitable for use in the production of coated sheet material. E. Gebauer-Fuelnegg, L. K. Ellers, and E. W. Moffett. 2,255,564; Sept. 9.
Compressor. O. Lepersonne. 2,255,359; Sept. 9.
Computing machine. W. W. Landsiedel. 2,255,622–3; Sept. 9.
Condenser winding machine. A. Babillis. 2,255,498; Sept. 9.
Connection, Flexible. J. M. Tyler. 2,255,717; Sept. 9.
Connector: *See*—
Electrical connector.
Container: *See*—
Bait container.
Container and closure therefor. J. R. Meggy. 2,255,225; Sept. 9.
Container or like article of manufacture. M. J. Blanchard. 2,255,444; Sept. 9.
Container seal and its application to containers. E. R. Rehfeld. 2,255,570; Sept. 9.
Control apparatus. J. W. Dawson and H. C. Jenks. 2,255,652; Sept. 9.
Control apparatus for oil burners. J. R. Hawley. 2,255,318; Sept. 9.
Control device, Electrical. W. C. Mason. 2,255,672; Sept. 9.
Control device, Well drilling. H. W. Mattingly, E. M. Irwin, G. E. Lewis, R. H. Duval, R. M. Chenoweth, and C. L. Whitehead. 2,255,721; Sept. 9.
Control for thermostatic valves. C. F. Hirshfeld. 2,255,118; Sept. 9.
Control means for adding machines, Total. W. W. Landsiedel. 2,255,621; Sept. 9.
Control system. P. S. Dickey. 2,255,612; Sept. 9.
Control system. H. H. Gorrie. 2,255,284; Sept. 9.
Control system. J. Grünschneder. 2,255,507; Sept. 9.
Control system. C. B. Huston. 2,255,488; Sept. 9.
Control system, Automatic selectivity. N. R. Bligh and C. N. Smyth. 2,255,645; Sept. 9.
Control system, Elevator. E. U. Lassen. 2,255,526; Sept. 9.
Control system for circuit breakers. B. W. Wyman. 2,255,496; Sept. 9.
Control system for electric generating plants. F. Jervis. 2,255,743; Sept. 9.
Control system for radio receivers, Dual volume. H. B. Martin. 2,255,390; Sept. 9.
Control system, Motor vehicle starting power. E. H. Lange. 2,255,389; Sept. 9.
Control system, Pump-proof circuit breaker. F. E. Strauss. 2,255,475; Sept. 9.
Controller, Condition. D. H. Annin. 2,255,639; Sept. 9.
Controlling device. C. S. Baker and A. O. Carpenter. 2,255,095; Sept. 9.
Controlling device. L. E. Harper. 2,255,317; Sept. 9.
Controlling device for rock drills. F. M. Slater. 2,255,231; Sept. 9.
Controlling temperature of exothermic catalytic reactions. W. W. Myddleton. 2,255,126; Sept. 9.
Convertible seat. W. R. Brown. 2,255,647; Sept. 9.
Conveyer. H. D. Lathrop. 2,255,733; Sept. 9.
Cooling partition for domestic refrigerators. C. G. Vretman. 2,255,459; Sept. 9.
Copper, Electroplating. D. A. Holt. 2,255,057; Sept. 9.
Corn picker. B. M. Hyman and R. C. Fergason. 2,255,168; Sept. 9.
Coupling: *See*—
Tube coupling. Vehicle coupling.
Coupling. A. T. Scheiwer. 2,255,333–4; Sept. 9.
Crank, Eccentric satellite. M. Fox. 2,255,614; Sept. 9.
Curler, Eyelash. H. Bernstein. 2,255,098; Sept. 9.
Cushion and making same, Seat. J. C. Gordon. 2,255,248; Sept. 9.
Cutter: *See*—
Pretzel doughnut cutter.
Cutting block. J. P. Van Ryzin. 2,255,443; Sept. 9.
Cutting tool. E. W. Taylor. 2,255,196; Sept. 9.
Dancer's bird tail device. G. E. Golden. 2,255,111; Sept. 2.
Decoupler, Automatic level control. V. J. Clarke. 2,255,479; Sept. 9.
Dehumidifying material. F. O. Anderegg. 2,255,041; Sept. 9.
Demodulator system. C. D. Colchester. 2,255,378; Sept. 9.
Dental apparatus. H. Freedman. 2,255,657; Sept. 9.
Dental appliance. H. G. Moran. 2,255,267; Sept. 9.
Derivatives of ether derivatives and making same, Organic nitrogenous base. B. R. Harris. 2,255,252; Sept. 9.
Detector device. P. Koehler. 2,255,065; Sept. 9.
Device and method for making chenille and the like. A. Unger. 2,255,401; Sept. 9.
Device for reading and analyzing record cards. D. Broido. 2,255,148; Sept. 9.
Device for removing static electricity from paper while being printed. O. Hofer. 2,255,056; Sept. 9.
Device for washing and wringing sponge mops. S. P. Vaughn. 2,255,091; Sept. 9.
Diaphragm and pressure operated valve. J. D. Langdon. 2,255,322; Sept. 9.
Die apparatus for making files. E. B. Perrine. 2,255,268; Sept. 9.
Die press. F. O. Carlson. 2,255,377; Sept. 9.
Disinfectant composition. E. B. Beale. 2,255,694; Sept. 9.
Disk distributor for sewage or water distribution. R. O. Friend, J. A. Montgomery, and W. F. Schaller. 2,255,157; Sept. 9.
Disk mill. J. Marco. 2,255,071; Sept. 9.
Dispenser: *See*—
Soap dispenser.
Dispenser. M. E. Mutchler. 2,255,449–50; Sept. 9.
Dispensing device. D. Colvin. 2,255,280; Sept. 9.
Display card. L. Sauer. 2,255,535; Sept. 9.
Display case, Show window. O. W. Gannaway. 2,255,702; Sept. 9.
Display rack. F. F. Loeb and J. E. Bales. 2,255,744; Sept. 9.
Distance determining system, Radiant energy. E. G. Gage. 2,255,659; Sept. 9.
Distributor. W. W. Tranter. 2,255,442; Sept. 9.
Drill. C. H. Gardner. 2,255,561; Sept. 9.
Drill tappet, Rock. M. C. Huffman. 2,255,423; Sept. 9.

Driving clutch. T. L. Fawick. 2,255,243; Sept. 9.
Dustpan. R. Samms. 2,255,715; Sept. 9.
Dye, Pseudocyanine. O. Riester. 2,255,128; Sept. 9.
Dyestuffs of the para-rosaniline series. H. Hopff and A. Diebold. 2,255,385; Sept. 9.
Earth surfacing machine. F. Johnson. 2,255,061–2; Sept. 9.
Edible container for ice cream or the like. N. Fredland. 2,255,506; Sept. 9.
Educational apparatus. A. J. Watling. 2,255,521; Sept. 9.
Electric furnace. C. A. Baker. 2,255,578; Sept. 9.
Electric furnace. F. H. Norton. 2,255,518; Sept. 9.
Electric heater. C. I. Hall. 2,255,508; Sept. 9.
Electric heating plates, Manufacturing. K. Fischer. 2,255,209; Sept. 9.
Electric hot plate. L. Blaha. 2,255,499–500; Sept. 9.
Electric switch. L. F. Blume. 2,255,501; Sept. 9.
Electrical appliance. L. W. Jenkins. 2,255,486; Sept. 9.
Electrical connector. R. A. Funk. 2,255,553; Sept. 9.
Electric plug. E. P. Seghers. 2,255,336; Sept. 9.
Enclosed switch and contact therefor. E. W. Landmeier. 2,255,669; Sept. 9.
Engine: *See*—
Locomotive engine.
Engine starting mechanism. C. R. Waseige. 2,255,575; Sept. 9.
Engraving machine. E. A. Cooke. 2,255,698–9; Sept. 9.
Envelope unit and publication containing the same. V. J. Sawdon. 2,255,087; Sept. 9.
Equipment for electric heating. F. S. Denneen and W. C. Dunn. 2,255,103; Sept. 9.
Esters, Aromatic sulphocarboxylic. B. R. Harris. 2,255,316; Sept. 9.
Esters, Sulphocarboxylic. B. R. Harris. 2,255,285; Sept. 9.
Evaporator, Refrigerant. D. F. Newman. 2,255,512; Sept. 9.
Expansion joint for roadways. R. C. Olmsted. 2,255,509; Sept. 9.
Explosive, Sensitized. J. W. Dawson and W. M. Dehn. 2,255,653; Sept. 9.
Extraction process. M. B. Moore. 2,255,124; Sept. 9.
Eye movements, Recording. C. C. and J. Y. Taylor. 2,255,689; Sept. 9.
Eyeglass. E. J. Brusell. 2,255,149; Sept. 9.
Fabric: *See*—
Wire fabric.
Fabric construction, Knitted. H. P. Luhn. 2,255,224; Sept. 9.
Facsimile system. R. W. Carlisle. 2,255,408; Sept. 9.
Fan. M. Lichter. 2,255,509; Sept. 9.
Fan drive and the like. F. O. Graham. 2,255,420; Sept. 9.
Fastener: *See*—
Hat fastener.
Fastener. H. W. Kost. 2,255,469; Sept. 9.
Feeder: *See*—
Reagent feeder.
Feeder for bearing members. H. A. Ortegren and C. C. Howenstine. 2,255,625; Sept. 9.
Feeding and cold drawing mechanism for heading machines and the like, Combined. L. Berkebil. 2,255,097; Sept. 9.
Fence making machine, Picket. J. W. Denning. 2,255,655; Sept. 9.
Files, Making. E. B. Perrine. 2,255,269; Sept. 9.
Filing device, Pneumatic. H. B. Spink. 2,255,395; Sept. 9.
Film developing apparatus, Motion picture. O. G. Giese. 2,255,037; Sept. 9.
Film gate. S. B. Grimson. 2,255,038; Sept. 9.
Film printing, Sound. A. C. Blaney. 2,255,644; Sept. 9.
Filter dyes for color photography. E. B. Middleton. 2,255,077; Sept. 9.
Filtering element. C. F. A. Chamouton. 2,255,205; Sept. 9.
Firing device. C. B. Ferrel. 2,255,245; Sept. 9.
Fishing reel. F. M. Grieten. 2,255,703; Sept. 9.
Flange union. D. J. Walsh. 2,255,634; Sept. 9.
Flashing. H. Callaway. 2,255,279; Sept. 9.
Flashlight, Electrical. E. J. and E. D. McEachron. 2,255,516; Sept. 9.
Flexible coupling for sound recording devices. O. Schilling. 2,255,742; Sept. 9.
Float. T. M. Hickey. 2,255,465; Sept. 9.
Flour mill with garlic separator. C. Meneux, S. G. Bourdin, and L. Chaussé. 2,255,226; Sept. 9.
Flow regulating valve. C. T. McGill. 2,255,324; Sept. 9.
Fluid control system. W. V. Sauter and H. F. Lawrence. 2,255,681–2; Sept. 9.
Fluid pressure operated apparatus. I. V. K. Hott. 2,255,255; Sept. 9.
Folding box. S. Lighter. 2,255,223; Sept. 9.
Food process. S. S. Langendorf. 2,255,427; Sept. 9.
Food storage receptacle, Ventilated. R. J. Carbary. 2,255,503; Sept. 9.
Food working device. W. F. Allenby. 2,255,478; Sept. 9.
Foot manipulating device. E. Q. Lamb. 2,255,066; Sept. 9.
Form for concrete steps. A. W. Connor and C. Peterson. 2,255,480; Sept. 9.
Forming and attaching apparatus, Terminal. F. Martindell. 2,255,510; Sept. 9.
Frame: *See*—
Wet spinning frame.
Freewheel device, Reversible. G. Blackstock. 2,255,309; Sept. 9.
Frequency-modulation receiver. W. R. Koch. 2,255,668; Sept. 9.
Front end suspension for vehicles. A. J. Tydelski, Jr. 2,255,370; Sept. 9.
Fruit box. A. W. Pfeffer. 2,255,513; Sept. 9.
Fruit constituents, and boric acid and making the same, Composition of citrus. C. W. Wilson. 2,255,341; Sept. 9.
Fruit, Cutting half. M. Ewald. 2,255,048; Sept. 9.
Fruit treating device. M. Ewald. 2,255,049; Sept. 9.
Fuel feed means for hinged liquid fuel burners. J. L. Breese. 2,255,276; Sept. 9.
Furnace: *See*—
Electric furnace.
Furnace and stoker. V. C. Kline. 2,255,171; Sept. 9.
Furnace charging means. J. F. Crawford. 2,255,379; Sept. 9.
Furnace grate. A. E. Blake. 2,255,373; Sept. 9.
Fuse construction. W. O. Schultz. 2,255,300; Sept. 9.
Fuse setting machine. G. W. Beatty. 2,255,043; Sept. 9.
Garment closure. P. H. Robbins. 2,255,713; Sept. 9.
Garment, Maternity. G. Cohn. 2,255,697; Sept. 9.
Gasburner. R. A. Wittmann. 2,255,636; Sept. 9.
Gas lift apparatus. T. E. Bryan. 2,255,648; Sept. 9.
Gas producer. A. E. Blake. 2,255,375; Sept. 9.
Gases into liquids, Introducing. W. Rank. 2,255,532; Sept. 9.
Gases, Method and apparatus for separating and concentrating. C. G. Maier. 2,255,069; Sept. 9.
Gasket for hose coupling and reconditioning the same. G. W. Gray. 2,255,161; Sept. 9.
Gate: *See*—
Film gate.
Gauge: *See*—
Oil gauge. Weather-strip gauge.
Sewing machine gauge.
Gear cutting machine. A. Aeppli. 2,255,094; Sept. 9.
Gearshift means, Cab-over-engine. G. M. Beimer. 2,255,643; Sept. 9.
Generator: *See*—
Acetylene generator.
Glass and electric discharge lamp made therefrom, Luminescent. H. Fischer. 2,255,109; Sept. 9.
Glass composition. R. H. Dalton. 2,255,558; Sept. 9.
Glass, Making multicellular. S. L. Willis. 2,255,238; Sept. 9.
Glass, Multicellular. S. L. Willis. 2,255,236; Sept. 9.
Glass washer. E. Nielsen. 2,255,080; Sept. 9.
Glass washer. E. Nielsen, E. R. Mross, and V. W. Cunningham. 2,255,081; Sept. 9.
Glaze of increased resistance to chemical agents, Low-melting decorative. A. J. Deyrup. 2,255,044; Sept. 9.
Glove. F. Sperandeo. 2,255,685; Sept. 9.
Gluing machine. J. A. Heckman. 2,255,664; Sept. 9.
Golf club. J. M. Russell. 2,255,332; Sept. 9.
Governing apparatus. H. F. Schmidt. 2,255,439; Sept. 9.
Grain dusting machine, Rotary. H. J. Kemp. 2,255,468; Sept. 9.
Granule supplying apparatus, Pneumatic. O. V. McGrew. 2,255,075; Sept. 9.
Grease, Short fiber. L. C. Brunstrum. 2,255,278; Sept. 9.
Grille, Directional. L. E. Heasley, H. S. Covell, and N. E. Cole. 2,255,616; Sept. 9.
Guide, Roller drawer. A. C. Kennedy. 2,255,290; Sept. 9.
Hack-saw machine. G. Swain and W. L. Bower. 2,255,457; Sept. 9.
Hair device. W. Huppert. 2,255,618; Sept. 9.
Handling apparatus, Material. E. G. Robinson. 2,255,438; Sept. 9.
Harrow, Convertible disk. O. E. Curtis. 2,255,380; Sept. 9.
Harvester. A. K. Knälmann. 2,255,387; Sept. 9.
Hat fastener. J. H. Brown. 2,255,611; Sept. 9.
Heading machine. L. Berkebil. 2,255,096; Sept. 9.
Heat exchange apparatus, Fluid. C. U. Savoye. 2,255,086; Sept. 9.
Heat exchange apparatus, Fluid. F. S. Tollow. 2,255,233; Sept. 9.
Heat exchange in catalytic reactions. E. J. Houdry. 2,255,058; Sept. 9.
Heat transfer. E. F. Hubacker. 2,255,587–8; Sept. 9.
Heat transfer system. E. F. Hubacker. 2,255,586; Sept. 9.
Heat-treating metal shapes. S. R. Hardwick and N. E. Scott. 2,255,166; Sept. 9.
Heater: *See*—
Electric heater. Windshield heater.
Radiant heater.
Heating device. S. P. Locke. 2,255,527; Sept. 9.
Heating unit. E. Hackerd. 2,255,354; Sept. 9.
Heating unit and pad, Electrical. A. W. Bull and G. G. Havens. 2,255,376; Sept. 9.
Heel. H. S. Lyness. 2,255,177; Sept. 9.
Heelpiece for shoe forms, Self-adjusting. J. B. Mutch. 2,255,471; Sept. 9.
High temperature valve. S. J. Nordstrom. 2,255,182; Sept. 9.

Hinge. C. A. May. 2,255,529; Sept. 9.
Hinge, Concealed. J. H. Roethel. 2,255,534; Sept. 9.
Hitch, Wagon. R. L. Dort. 2,255,281; Sept. 9.
Hog house. J. Phalen. 2,255,185; Sept. 9.
Holder: *See*—
Milk-strainer holder.
Holder and dispenser, Tape roll. I. Stone. 2,255,456; Sept. 9.
Holder for piezoelectric crystal elements. D. H. C. Scholes and D. Fairweather. 2,255,495; Sept. 9.
Holding device, X-ray film. J. Engel. 2,255,580; Sept. 9.
Honing machine. C. O. Holland. 2,255,583; Sept. 9.
Horn, Electromagnetic. W. L. Barrow. 2,255,042; Sept. 9.
Hose dispensing apparatus, Concealed. H. E. Marvel. 2,255,180; Sept. 9.
House construction panel. E. Hamilton. 2,255,315; Sept. 9.
Humidity responsive device. W. L. McGrath. 2,255,734; Sept. 9.
Hydraulic brake fluid. H. R. Fife. 2,255,208; Sept. 9.
Hydraulic system, Constant speed. J. P. Johnson. 2,255,589; Sept. 9.
Hydrocarbon and other residues, Treatment of. E. J. Houdry. 2,255,060; Sept. 9.
Hydrocarbons, Cracking and polymerizing. P. Subkow, E. W. Gard, and R. E. Haylett. 2,255,390; Sept. 9.
Hydrocarbons, Refining. C. Ellis, T. C. Whitner, and W. V. Keegan. 2,255,417; Sept. 9.
Impeller, Double vane. O. Jacobsen. 2,255,287; Sept. 9.
Incubator tray. C. F. Gedge. 2,255,036; Sept. 9.
Indicating apparatus. R. H. Wilmeth. 2,255,372; Sept. 9.
Indicating device, Inclination. L. C. Miller. 2,255,295; Sept. 9.
Indicating instrument. W. C. Hansen. 2,255,663; Sept. 9.
Indicating means for radio landing systems. M. F. Peters. 2,255,509; Sept. 9.
Indicator circuit, On-off. A. Wright. 2,255,637; Sept. 9.
Inhibiting the gas fading of dyed acetate silk. J. M. Tinker and D. E. Kvalnes. 2,255,090; Sept. 9.
Injector valve-actuator. B. G. Harris. 2,255,355; Sept. 9.
Ink distributing device. L. B. Case. 2,255,410; Sept. 9.
Insect destroyer. M. F. Miller. 2,255,360; Sept. 9.
Insole and making the same. S. M. Griswold. 2,255,353; Sept. 9.
Insulated bracket. R. R. Pittman and C. H. Walsh. 2,255,530–1; Sept. 9.
Interlocking system for railroads. S. N. Wight. 2,255,142; Sept. 9.
Inverter and transfer mechanism. C. T. Walter. 2,255,635; Sept. 9.
Ironing board. B. L. Laursen. 2,255,173; Sept. 9.
Ironing machine. F. K. Mueller. 2,255,392; Sept. 9.
Jack: *See*—
Last jack. Lifting jack.
Joint: *See*—
Ball joint.
Joint and bearing, Combined universal. C. M. Johnson. 2,255,172; Sept. 9.
Knitting. J. Markowitz. 2,255,323; Sept. 9.
Knitting machine and knitting. R. H. Lawson and A. N. Cloutier. 2,255,068; Sept. 9.
Knitting machine, Pattern-producing circular. F. E. Jones. 2,255,693; Sept. 9.
Labeling machine. G. M. Biner. 2,255,308; Sept. 9.
Lamp: *See*—
Molded fluorescent lamp.
Lamp. L. E. MacFadden. 2,255,262; Sept. 9.
Lamp. G. Moss. 2,255,433; Sept. 9.
Lamp for vehicles, Collision-proof clearance. H. J. Sauer. 2,255,273; Sept. 9.
Lamp switch operator. B. Schoenberg. 2,255,274; Sept. 9.
Lantern, Electric hand. C. H. Larson. 2,255,291; Sept. 9.
Last jack. B. G. Carr. 2,255,150; Sept. 9.
Last jack. C. J. Gross. 2,255,164; Sept. 9.
Lath to perforating machines, Method and apparatus for transferring and delivering. L. N. Sorensen. 2,255,723; Sept. 9.
Lathe chuck. L. E. Whiton. 2,255,202; Sept. 9.
Lathe stop switch, Automatic. L. H. Height. 2,255,706; Sept. 9.
Lawn perforating machine. H. Helbig. 2,255,040; Sept. 9.
Lifting jack. M. B. Lucker. 2,255,261; Sept. 9.
Load limiting clutch. S. C. Gebert. 2,255,211; Sept. 9.
Loading machine. C. M. Stewart. 2,255,398; Sept. 9.
Lock. I. J. Fletcher. 2,255,418; Sept. 9.
Lock. N. J. Vile. 2,255,402; Sept. 9.
Lock cap for tanks and the like. A. M. Malluk. 2,255,070; Sept. 9.
Locking means, Sucker rod. C. H. M. Bull. 2,255,695; Sept. 9.
Locomotive engine. W. E. Woodward. 2,255,303; Sept. 9.
Loom: *See*—
Circular loom.
Looper tensioning device. E. F. Coren. 2,255,416; Sept. 9.
Lubricating composition. C. F. Prutton and A. K. Smith. 2,255,085; Sept. 9.
Lubricating system, Submersible well pump. J. M. Halt. 2,255,545; Sept. 9.
Machine and method for making flexible shafting. C. Fischer. 2,255,108; Sept. 9.
Machine for assembling roller bearings. H. A. Ortegren and C. C. Howenstine. 2,255,626; Sept. 9.
Machine for drawing a vacuum in and sealing filled containers. A. L. Kronquest and O. A. Schmitt. 2,255,707; Sept. 9.
Machine for forming cigar bunches. L. Ferenci. 2,255,051; Sept. 9.
Machine for laminating paper. M. H. Sidebotham. 2,255,397; Sept. 9.
Machine for the automatic delivery of frozen nutrient materials and similar readily melting materials. N. Schack and H. Eberhart. 2,255,716; Sept. 9.
Machine tool. M. S. Curtis. 2,255,739; Sept. 9.
Machinery, Isolating. S. Rosenzweig. 2,255,571; Sept. 9.
Machines for securing hangers to handles. J. Newig. 2,255,127; Sept. 9.
Machine tool. E. E. Kelley. 2,255,170; Sept. 9.
Machine tool. J. J. N. Van Hamersveld. 2,255,199; Sept. 9.
Magazine switch mechanism, Coin-controlled. T. M. Wright. 2,255,304; Sept. 9.
Magnesium hydroxide, Production of. S. B. Heath and R. J. Anderson. 2,255,422; Sept. 9.
Manufacture of 1-chloro,3-bromo propane. R. E. Windecker and A. Schormulier. 2,255,605; Sept. 9.
Manufacture of glycols. C. A. Cohen and C. M. Beamer. 2,255,411; Sept. 9.
Manufacture of paper backed lathing. R. T. McGee and L. W. Cross. 2,255,123; Sept. 9.
Marker and flower holder, Combination. E. C. Bronson. 2,255,277; Sept. 9.
Marker and the like, Skirt. I. Levin. 2,255,174; Sept. 9.
Massaging device. G. A. Smith. 2,255,684; Sept. 9.
Mensuring and recording apparatus, Impulse. T. A. Rich. 2,255,473; Sept. 9.
Measuring apparatus. H. M. Schmitt. 2,255,601; Sept. 9.
Measuring device, Space. J. Nyberg. 2,255,328; Sept. 9.
Measuring instrument for aircraft. G. Rieper. 2,255,188; Sept. 9.
Mechanism for producing angular movement. J. K. Simpson. 2,255,592; Sept. 9.
Metal powder. G. E. Best. 2,255,204; Sept. 9.
Metal structures, Making bent. S. Friedman. 2,255,658; Sept. 9.
Metal to insulation, Bonding. W. Osenberg. 2,255,184; Sept. 9.
Metals, Coating. C. A. Medsker and M. Merlub-Sobel. 2,255,076; Sept. 9.
Meter head incorporating low-pressure regulator. W. P. Hutchinson and A. S. McIntire. 2,255,219; Sept. 9.
Method and apparatus for making knitted fabrics. J. Markowitz. 2,255,293; Sept. 9.
Method and apparatus for forming ties. E. M. Famous. 2,255,106; Sept. 9.
Method and apparatus for making knitted fabrics. D. P. Moore. 2,255,078; Sept. 9.
Method and apparatus for removing air from hydraulic brakes. J. L. O'Reilly. 2,255,676; Sept. 9.
Method and product of joining material. MacM. Clements. 2,255,151; Sept. 9.
Method of and apparatus for heat transfer. E. F. Hubacker. 2,255,584–5; Sept. 9.
Microphone, Voice translating. E. H. Greibach. 2,255,250; Sept. 9.
Microscope. J. E. Sass. 2,255,630; Sept. 9.
Microscope. C. A. Schulman. 2,255,631; Sept. 9.
Milk-strainer holder, Adjustable. E. and J. Timian. 2,255,573; Sept. 9.
Mill: *See*—
Colloidal mill. Disk mill.
Milling machine. R. E. Cross. 2,255,651; Sept. 9.
Mineral oil composition and making the same. L. Afer. 2,255,606; Sept. 9.
Mining apparatus. O. W. Hunn. 2,255,167; Sept. 9.
Moistener for liquid type duplicating machines. E. Wilderson. 2,255,405; Sept. 9.
Mold for casting grinding bodies. N. M. Hansen. 2,255,546; Sept. 9.
Molded fluorescent lamp. J. W. Marden and G. Meister. 2,255,431; Sept. 9.
Motor control, Variable voltage. G. E. King. 2,255,064; Sept. 9.
Motor vehicle. F. de L. Brown. 2,255,348; Sept. 9.
Motor vehicle turn signal. F. O. Duncan. 2,255,701; Sept. 9.
Mounting: *See*—
Ophthalmic mounting. Vehicle wheel mounting.
Roller mounting.
Mounting bracket. H. A. Triplett and S. I. Lindell. 2,255,400; Sept. 9.
Mounting for fasteners, Adjustable. A. Ostwald. 2,255,183; Sept. 9.
Multiple bearing thrust block. K. A. Nygren. 2,255,675; Sept. 9.
Multiple feeder for uniflow system. D. R. Hillis. 2,255,665; Sept. 9.
Nonferrous articles, Making. D. L. V. Schwartz. 2,255,572; Sept. 9.
Nozzle. J. E. Kennedy. 2,255,119; Sept. 9.

Nozzle, Carburetor. J. T. W. Moseley. 2,255,296; Sept. 9.
Nut. J. P. Burke. 2,255,649; Sept. 9.
Nut. J. B. Hood. 2,255,384; Sept. 9.
Nut. F. McDermott. 2,255,673; Sept. 9.
Nut, Cage. J. P. Burke. 2,255,101; Sept. 9.
Nut, Lock. C. L. Harvey. 2,255,286; Sept. 9.
Nut, Self-anchoring. J. P. Burke. 2,255,650; Sept. 9.
Oil gauge. J. D'Arcey. 2,255,310; Sept. 9.
Oils, Refining of heavy. H. O. Forrest. 2,255,283; Sept. 9.
Oils, Treating. W. A. Schulze. 2,255,394; Sept. 9.
Olefins, Polymerization of. H. J. Welge. 2,255,302; Sept. 9.
Opener, Can. C. A. Arnesen. 2,255,640–1; Sept. 9.
Ophthalmic mounting. E. M. Splaine. 2,255,686–7; Sept. 9.
Ores, Flotation of calcium carbonate. M. Vogel-Jorgensen. 2,255,139; Sept. 9.
Organic compound, Inhibited polymerizable unsaturated. G. E. D'Alelio. 2,255,483; Sept. 9.
Organic substances, Stabilization of. F. B. Downing and C. J. Pedersen. 2,255,597; Sept. 9.
Oven, Broiler. W. F. Rogers. 2,255,129; Sept. 9.
Oven, Coking retort. J. Becker. 2,255,406; Sept. 9.
Overload device for capacitor start electric motors. G. C. Pearce. 2,255,437; Sept. 9.
Oxides. Production of synthetic hydrated iron. J. W. Ayers and G. Plews. 2,255,607; Sept. 9.
Package. H. N. Moore. 2,255,432; Sept. 9.
Package, Band saw. R. J. Wilkie. 2,255,577; Sept. 9.
Packaging method and apparatus. R. Guyer. 2,255,251; Sept. 9.
Packing, Machinery. E. W. Fisher, Jr., and W. H. Gudinas. 2,255,613; Sept. 9.
Packing, Making laminated. W. G. Current. 2,255,504; Sept. 9.
Pad: *See*—
Cleaning pad.
Paddle, Pastry. O. Green. 2,255,052; Sept. 9.
Pan for baking rolls. R. S. Simonds. 2,255,080; Sept. 9.
Paste tube holder and dispenser. T. Furrier. 2,255,158; Sept. 9.
Pen, Fountain. G. E. Ziegler. 2,255,093; Sept. 9.
Periscope. R. E. Thomas. 2,255,197; Sept. 9.
Phonographic apparatus. J. J. Hoehn. 2,255,218; Sept. 9.
Photographic developer. G. P. Ham and R. B. Barnes. 2,255,731; Sept. 9.
Photographic enlarger. M. B. Kanter. 2,255,319; Sept. 9.
Photographic timing device. W. P. Moorefield. 2,255,266; Sept. 9.
Pipe: *See*—
Reinforced flexible pipe. Tobacco pipe.
Pipe cleansing tool. S. E. Lindhé. 2,255,565; Sept. 9.
Pipe-joint fittings, Making. P. H. Thompson. 2,255,301; Sept. 9.
Piston arrangement for radial engines. W. B. Goodman. 2,255,214; Sept. 9.
Pitting machine, Fruit. A. S. Ridley. 2,255,533; Sept. 9.
Plow. H. C. Harris. 2,255,253; Sept. 9.
Plug: *See*—
Electric plug. Spark plug.
Plumbing system. M. L. Weaver. 2,255,460; Sept. 9.
Pole splice clamp. C. C. Pimm. 2,255,270; Sept. 9.
Polymer, Methylene disulphide. J. C. Patrick. 2,255,228; Sept. 9.
Polymerization of refinery unsaturates, and preparation of improved motor fuels. E. E. Stahly. 2,255,275; Sept. 9.
Polymers, Fractional precipitation process of producing high molecular weight. J. Kunc and F. L. Miller. 2,255,388; Sept. 9.
Posture guide. D. R. Brady. 2,255,100; Sept. 9.
Power system, Hydraulic. K. W. Fieber and O. Würthner. 2,255,560; Sept. 9.
Power transmission. J. A. H. Barkell. 2,255,738; Sept. 9.
Power transmission, Hydraulic. A. Lysholm and G. K. W. Bostad. 2,255,430; Sept. 9.
Power transmission, Variable speed. I. E. McElroy. 2,255,567; Sept. 9.
Power transmitting mechanism. L. K. Lochr. 2,255,671; Sept. 9.
Precipitator, especially for minute dust particles, Electric. G. W. Penney. 2,255,677; Sept. 9.
Prefabricated building construction. J. Muller. 2,255,511; Sept. 9.
Preserving materials. T. Sabalitschka and E. Böhm. 2,255,191; Sept. 9.
Press: *See*—
Due press.
Pressure operated switch. A. L. Judson. 2,255,667; Sept. 9.
Pressure switch. A. L. Judson. 2,255,666; Sept. 9.
Pretzel doughnut cutter. D. F. Taft. 2,255,133; Sept. 9.
Projecting machine, Moving picture. J. K. E. Sunell. 2,255,724; Sept. 9.
Projector, Material. O. J. Gartner. 2,255,660; Sept. 9.
Projection system, Ground and interphase. E. G. Rats. 2,255,678; Sept. 9.
Protective system for alternating current dynamoelectric machines. A. H. Lauder. 2,255,490; Sept. 9.
Pump: *See*—
Triple acting pump.
Pump volute liner. F. B. Allen. 2,255,239; Sept. 9.
Punch, Center locating. F. H. Mueller. 2,255,361; Sept. 9.
Quick-release fastening for safety harnesses, parachute harnesses, and the like. A. A. Lethern and J. S. Quirico. 2,255,258; Sept. 9.
Rack: *See*—
Display rack. Tie rack.
Radiant heater. G. L. Reichhelm. 2,255,298; Sept. 9.
Railway truck construction and making the same. O. K. Kjolseth. 2,255,489; Sept. 9.
Railway vehicle. R. N. Janeway. 2,255,619; Sept. 9.
Railway vehicle structure. J. C. Rhoads. 2,255,494; Sept. 9.
Rake. F. D. Jones and M. E. McClellan. 2,255,288; Sept. 9.
Reagent feeder. L. D. Mills. 2,255,325; Sept. 9.
Receptacle: *See*—
Food storage receptacle.
Record-selecting control means, Electromagnetic. E. G. Henry. 2,255,216; Sept. 9.
Reel: *See*—
Fishing reel.
Refrigerating apparatus. J. E. Harris and W. L. Frey. 2,255,356; Sept. 9.
Refrigeration. C. C. Coons. 2,255,413–14; Sept. 9.
Refrigeration. C. C. Coons and W. H. Kitto. 2,255,415; Sept. 9.
Refrigeration. A. D. Siedle. 2,255,441; Sept. 9.
Regulating means. J. Heinrich. 2,255,215; Sept. 9.
Regulator: *See*—
Temperature regulator.
Reinforced flexible pipe. J. R. Mesnel. 2,255,391; Sept. 9.
Relay, Overload. G. C. Armstrong. 2,255,638; Sept. 9.
Relay, Thermal. M. Ireland. 2,255,169; Sept. 9.
Resin, Cyclopentadiene. W. H. Carmody. 2,255,409; Sept. 9.
Resinous compositions, Synthetic. R. C. Feagin and J. G. E. Wright. 2,255,487; Sept. 9.
Resins and making same, Ethylenic-alpha-beta synthetic. C. Ellis. 2,255,313; Sept. 9.
Resins, Purification of vinyl aromatic. E. C. Britton and W. J. Le Fevre. 2,255,729; Sept. 9.
Rest easy. M. L. Cowles. 2,255,462; Sept. 9.
Retainer in separators, Straw. H. E. Fink. 2,255,244; Sept. 9.
Retainer, Piston pin. H. C. Hill. 2,255,217; Sept. 9.
Retort for coal stokers. C. L. Crowley. 2,255,481; Sept. 9.
Rocker, Horse. B. Gordon. 2,255,160; Sept. 9.
Roller bearing. J. W. Foley. 2,255,035; Sept. 9.
Roller mounting. A. M. Graham. 2,255,314; Sept. 9.
Rotor. T. Tognola. 2,255,477; Sept. 9.
Rotors, Treatment of. R. M. Pfalzgraff. 2,255,493; Sept. 9.
Rubber band shooter. J. R. Heminger. 2,255,563; Sept. 9.
Rubber, Treatment of. L. H. Howland. 2,255,386; Sept. 9.
Safety blasting device and method. J. Taylor. 2,255,602; Sept. 9.
Safety device for gas systems. M. Tornow. 2,255,135; Sept. 9.
Salts and dyes therefrom, Quinrhodine quaternary. L. G. S. Brooker. 2,255,407; Sept. 9.
Sampling device for liquid storage systems. C. Spaeth. 2,255,369; Sept. 9.
Scale, Weighing. M. Garbell. 2,255,110; Sept. 9.
Scraper, Hauling. L. O. Bird. 2,255,240; Sept. 9.
Screen: *See*—
Vibratory screen.
Screen. M. Rodelli. 2,255,714; Sept. 9.
Seaplane wing float. W. S. Diehl. 2,255,046; Sept. 9.
Seat: *See*—
Convertible seat. Toilet seat.
Selectivity control. J. F. Farrington. 2,255,050; Sept. 9.
Selector, Band-pass. H. A. Wheeler. 2,255,600; Sept. 9.
Selenium for electrical uses, Preparation of. L. R. Jackson and W. F. Stewart. 2,255,358; Sept. 9.
Separating apparatus. C. C. Preston. 2,255,510; Sept. 9.
Sewing machine, Button. M. Gershbein. 2,255,212; Sept. 9.
Sewing machine gauge. N. Giancola. 2,255,382; Sept. 9.
Shaft, Flexible. W. P. Uhler. 2,255,234; Sept. 9.
Shafts in vehicles or the like, Controlling undesired movements of. A. G. Hackett and J. L. Edwards. 2,255,582; Sept. 9.
Sheet spacing machine. C. F. Pflanze. 2,255,083–4; Sept. 9.
Shingle and siding receiving channel. F. E. Gabriel. 2,255,247; Sept. 9.
Shirt construction. W. Nirenberg. 2,255,362; Sept. 9.
Shoe machinery. W. F. Green. 2,255,112; Sept. 9.
Shoe, Visual fitting. D. R. Brady. 2,255,093; Sept. 9.
Siding corner construction. L. S. Odell. 2,255,736; Sept. 9.
Signal: *See*—
Motor vehicle turn signal.
Signal generator output equalizer. R. E. Allison. 2,255,727; Sept. 9.
Signal system, Alarm. C. Pool and H. F. Cypser. 2,255,186; Sept. 9.
Signaling device for typewriters. J. Y. Payton. 2,255,329; Sept. 9.
Signaling system. A. R. Bonorden. 2,255,595; Sept. 9.
Signaling system, Traffic. W. S. Halstead. 2,255,055; Sept. 9.

Silencer, Exhaust. J. G. Blanchard. 2,255,579; Sept. 9.
Silver-graphite contact and making it, Weldable. E. F. Kiefer and E. I. Shobert, II. 2,255,120; Sept. 9.
Slicer, Electric butter. A. D. MacDonell. 2,255,709; Sept. 9.
Slug casting machine. J. H. Hilpman. 2,255,254; Sept. 9.
Slug-casting machine. G. W. Temple. 2,255,338; Sept. 9.
Slush pump valve. C. White and O. B. Graham. 2,255,404; Sept. 9.
Soap dispenser, Power actuated. J. F. Palmer. 2,255,722; Sept. 9.
Soap during storage in glass containers, Inhibiting the clouding of liquid. H. L. Roschen. 2,255,629; Sept. 9.
Sodium cyanide, Manufacture of pure. R. Fick and K. Wintersberger. 2,255,107; Sept. 9.
Sole laying machine. L. Farnum. 2,255,155; Sept. 9.
Solenoid operated switch. L. B. Ehrlich. 2,255,542; Sept. 9.
Solvent for organic film-forming materials. W. Reppe, O. Hecht and F. Oschatz. 2,255,229; Sept. 9.
Sound-recording tapes joined together in crossed fashion, Producing endless. K. Daniel. 2,255,559; Sept. 9.
Spark plug, Fuel injection. F. J. Wiegand. 2,255,203; Sept. 9.
Speed responsive device, Rotational. M. T. Wintsch. 2,255,092; Sept. 9.
Spirochaeta pallida, Method of culturing. O. C. Morrison. 2,255,079; Sept. 9.
Sportswear. S. Alexander. 2,255,143; Sept. 9.
Spray head for wash fountains. H. A. Mullett. 2,255,125; Sept. 9.
Spraying apparatus for cement, paints, and other liquids and substances. V. S. and E. V. Robinson. 2,255,189; Sept. 9.
Sprinkler for lawns, Adjustable. V. Tavone. 2,255,688; Sept. 9.
Stabilator for bedsprings. T. S. Foley. 2,255,419; Sept. 9.
Stacker. G. C. Paxton. 2,255,297; Sept. 9.
Stamp, Dating, T. R. Post. 2,255,453; Sept. 9.
Starting means. J. Jandasek. 2,255,424; Sept. 9.
Staybolt plug and making the same. G. R. Greenslade. 2,255,661; Sept. 9.
Steering structure. F. Johnson. 2,255,063; Sept. 9.
Stencils, Electroforming method of preparing. W. R. Sherman. 2,255,440; Sept. 9.
Sterol derivatives and forming same. R. E. Marker. 2,255,072; Sept. 9.
Sterol derivatives and forming same. R. E. Marker. 2,255,074; Sept. 9.
Steryl magnesium halide and producing the same. R. E. Marker. 2,255,073; Sept. 9.
Support. H. Stevens. 2,255,632; Sept. 9.
Support for sound record films. A. D. Stern. 2,255,232; Sept. 9.
Support for the backbone or spinal column of the human body. C. G. Hall, Jr. 2,255,464; Sept. 9.
Supporting bracket. F. D. Miller. 2,255,514; Sept. 9.
Surface broaching, Method and means for. F. J. Lapointe. 2,255,221; Sept. 9.
Suspension system for vehicles. N. B. Newton. 2,255,181; Sept. 9.
Swift. A. Peterson. 2,255,363; Sept. 9.
Switch: *See*—
Air switch. Pressure operated switch.
Electric switch. Pressure switch.
Lathe stop switch. Solenoid operated switch.
Switch. W. W. Helle. 2,255,115; Sept. 9.
Switch. E. T. Platz. 2,255,330; Sept. 9.
Switch means, Magnetic. H. Reasoner. 2,255,187; Sept. 9.
Switch mechanism. A. A. Bluemle and W. E. Brown. 2,255,552; Sept. 9.
Switching apparatus. E. C. Matthews. 2,255,470; Sept. 9.
Switching mechanism. F. D. Joesting and L. H. Miller. 2,255,220; Sept. 9.
Switching mechanism. C. G. Kronmiller. 2,255,732; Sept. 9.
System for determining navigatory direction. E. Kramar. 2,255,741; Sept. 9.
System for noise reduction in amplifiers. H. H. Beverage. 2,255,374; Sept. 9.
Table. E. J. and B. J. Davis. 2,255,654; Sept. 9.
Tablets, pills, and the like, Counting, portioning, and packing matter as. M. Hansen. 2,255,704; Sept. 9.
Tabulating machine. E. H. Dreher. 2,255,656; Sept. 9.
Tabulating mechanism. W. W. Lasker. 2,255,670; Sept. 9.
Tallying machine, Automatic. L. A. Shertzer. 2,255,455; Sept. 9.
Teletypewriter switching system. A. R. Bonorden. 2,255,596; Sept. 9.
Television receiver. R. B. Dome. 2,255,485; Sept. 9.
Television signal-translating system. J. C. Wilson. 2,255,691–2; Sept. 9.
Temperature regulator. J. V. Giesler. 2,255,159; Sept. 9.
Testing jack for socket type meters. K. C. Markley. 2,255,122; Sept. 9.
Thermal conductivity measurements, Single cell. W. J. Willenborg. 2,255,551; Sept. 9.
Thermostat. S. D. Fisher. 2,255,543; Sept. 9.
Thixotropic pigment and paint. G. C. Marcot. 2,255,263; Sept. 9.
Threads or filaments, Winding thin. A. Lamesch. 2,255,426; Sept. 9.
Threshing apparatus. J. B. Steelman. 2,255,193; Sept. 9.
Thrust clip. E. W. Kress. 2,255,321; Sept. 9.
Tie rack. W. G. Williams. 2,255,461; Sept. 9.
Tile. N. E. Phillips. 2,255,712; Sept. 9.
Tire grooving means. J. Van Vorst. 2,255,718; Sept. 9.
Tire making machine. W. B. Brewer, C. L. Frost, and H. Karg. 2,255,646; Sept. 9.
Tobacco cutting machine. W. Krause. 2,255,548; Sept. 9.
Tobacco pipe. A. Backus. 2,255,144; Sept. 9.
Toilet seat, Auxiliary. J. H. Rasmussen. 2,255,272; Sept. 9.
Tool: *See*—
Bending tool. Machine tool.
Burnishing tool. Pipe cleansing tool.
Cutting tool.
Tool adapter. A. J. Dremel. 2,255,541; Sept. 9.
Tool bit and toolholder therefor. O. Severson. 2,255,737; Sept. 9.
Top, Spinning. F. H. C. Rust. 2,255,454; Sept. 9.
Torch, Welding. L. J. Lucking. 2,255,528; Sept. 9.
Torque converter, Hydraulic. J. M. Simpson. 2,255,591; Sept. 9.
Torque transformer. H. Loos. 2,255,566; Sept. 9.
Totalizer selecting mechanism for accounting machines. W. A. Anderson. 2,255,557; Sept. 9.
Towel dispensing cabinet. R. G. Birr and A. C. Grunwald. 2,255,609; Sept. 9.
Trailer hitch. L. L. Luse. 2,255,624; Sept. 9.
Training machine, Pneumatic football. R. A. Noor. 2,255,711; Sept. 9.
Transmission. F. G. Wahl. 2,255,200; Sept. 9.
Transmission control system. K. Singer. 2,255,683; Sept. 9.
Transmission system, Multiple channel signal. M. Artzt. 2,255,642; Sept. 9.
Transportation trailer for livestock. E. B. Hawthorne. 2,255,357; Sept. 9.
Tray, freezing. J. C. Crowley. 2,255,153; Sept. 9.
Treatment bath and production of colored photographic pictures. B. Gáspár. 2,255,463; Sept. 9.
Triple acting pump. W. H. Zehner. 2,255,305–6; Sept. 9.
Tube and making tube. B. L. Quarnstrom. 2,255,472; Sept. 9.
Tube coupling. J. Berger, R. Kaiser, and W. Zurmühlen. 2,255,593; Sept. 9.
Tubing, Manufacture of. C. A. Nichols and R. H. Bish. 2,255,550; Sept. 9.
Tungsten, Recovery of. J. J. Furey. 2,255,210; Sept. 9.
Tuning system, Variable permeability. W. F. Sands and P. F. G. Holst. 2,255,680; Sept. 9.
Turbine bucket wheel, Elastic fluid. J. H. Doran. 2,255,486; Sept. 9.
Turbine drive and fluid flywheel and transmitting power therein. I. C. Popper. 2,255,515; Sept. 9.
Turpentine gum, Distilling. L. T. Baker. 2,255,145; Sept. 9.
Typewriter ribbon. H. F. E. Dixon. 2,255,104; Sept. 9.
Universal joint and brake drum assembly. A. A. Warner. 2,255,604; Sept. 9.
Upholstery structure. J. C. Gordon. 2,255,554–5; Sept. 9.
Urane compounds and preparing them. R. E. Marker. 2,255,264; Sept. 9.
Urane compounds and obtaining same. R. E. Marker. 2,255,265; Sept. 9.
Valve: *See*—
Flow regulating valve. Slush pump valve.
High temperature valve.
Valve stem for inner tubes. G. W. Becker. 2,255,146; Sept. 9.
Variable resistance and switch, Combined. E. R. Stockle. 2,255,132; Sept. 9.
Vehicle: *See*—
Motor vehicle. Railway vehicle.
Vehicle coupling. L. J. Kline and J. J. Sichman. 2,255,525; Sept. 9.
Vehicle top. A. Keller. 2,255,289; Sept. 9.
Vehicle wheel mounting. J. M. Poché. 2,255,365; Sept. 9.
Vending machine. D. D. Cameron. 2,255,538; Sept. 9.
Vibratory screen. E. A. Ebert and W. H. Popp. 2,255,047; Sept. 9.
Voice translating apparatus. E. H. Greibach. 2,255,249; Sept. 9.
Voltage transformation, Direct-current. R. J. Rockwell. 2,255,299; Sept. 9.
Voltmeter, Crest. H. W. Bousman. 2,255,502; Sept. 9.
Voting machine. A. N. Gustavson. 2,255,544; Sept. 9.
Vulcanizer, Recapping. J. C. Heintz. 2,255,163; Sept. 9.
Wall structure. E. Schenk and C. J. Herzog. 2,255,367; Sept. 9.
Walnut huller. F. Janik. 2,255,524; Sept. 9.
Warning signal for motor vehicles. A. B. Ellery. 2,255,381; Sept. 9.
Washer: *See*—
Glass washer.
Washing machine. G. W. Dunham. 2,255,505; Sept. 9.

Wave repeater, Periodic. H .A. Wheeler. 2,255,403; Sept. 9.
Wax substitute. F. W. Corkery. 2,255,242; Sept. 9.
Weather-strip gauge. E. D. Barringer. 2,255,307; Sept. 9.
Wedge retainer assembly, Screen frame. W. B. Ewing. 2,255,581; Sept. 9.
Weed guard for fishing lures. V. W. Leusch. 2,255,222; Sept. 9.
Well bit. M. A. Newton. 2,255,435; Sept. 9.
Well device. H. C. Otis. 2,255,451; Sept. 9.
Wet spinning frame. W. McL. Fraser. 2,255,246; Sept. 9.
Whale blubber, skins, and the like, Treatment of. P. L. Fauth. 2,255,207; Sept. 9.
Wheel: *See*—
Turbine bucket wheel.
Winch for use on board aircraft. C. R. Waseige. 2,255,574; Sept. 9.
Window setting for busses and the like, Knockout. J. E. Trescher. 2,255,725; Sept. 9.
Windshield cleaner. C .L. Osborn. 2,255,393; Sept. 9.
Windshield heater. J. H. Cohen. 2,255,412; Sept. 9.
Windshield wiper arm. T. J. Smulski. 2,255,474; Sept. 9.
Wire fabric. C. E. Pink. 2,255,452; Sept. 9.
Wood grains, Reproducing. P. C. Schroeder. 2,255,335; Sept. 9.
Wringer. J. V. Gunn. 2,255,165; Sept. 9.

CLASSIFICATION OF PATENTS

ISSUED SEPTEMBER 9, 1941

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

2— 19: 2,255,726
38: 2,255,713
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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abbott Laboratories, North Chicago, Ill. Compound of synthetic water soluble vitamins. Serial No. 445,189; Sept. 16. Class 6.

Allis-Chalmers Manufacturing Company, Milwaukee and West Allis, Wis. Dynamo-electric machines. Serial No. 444,721; Sept. 16. Class 21.

American Binder Company Inc., New York, N. Y. Albums for filing and display photographs, pictures, and the like. Serial No. 444,783; Sept. 16. Class 37.

American & Continental Patented Products Inc., New York, N. Y. Necklaces and bracelets, finger rings, etc. Serial No. 445,165; Sept. 16. Class 28.

American Celoid Products Corp., New York, N. Y. Stencil sheets. Serial No. 444,662; Sept. 16. Class 37.

American Horseman. (See Brooks, Cleonae W.)

American Mills Company of New York, The, New Haven and West Haven, Conn., assignor to The United Elastic Corporation, Easthampton, Mass. Narrow elastic fabrics and tapes. Serial No. 441,845; Sept. 16. Class 40.

Antles, Leo C. (See Cooledge, Ross M.)

Artility Metal Products, Inc., Elkhart, Ind. Office, household, and factory posture chairs. Serial No. 445,647; Sept. 16. Class 32.

Associated Distributors, Inc., Chicago, Ill. Lipstick, rouge, face powder, eyelash and eyebrow mascara, etc. Serial No. 444,747; Sept. 16. Class 6.

Attebery, T. E. (See Parke, Effie Attebery.)

Avondale Mills, Sylacauga, Ala. Cotton fabrics. Serial No. 445,080; Sept. 16. Class 42.

Battle Creek Dietetic Supply Co., Battle Creek, Mich. Water absorbing cellulose base product. Serial No. 444,562; Sept. 16. Class 6.

Bear Mill Manufacturing Co., Inc., New York, N. Y. Linen finish sateen in the piece. Serial No. 444,211; Sept. 16. Class 42.

Beaumont Chemical Company. (See Pizzitola, J. G.)

Berk, F. W., & Company, Inc., New York, N. Y. Phenyl mercury salts of organic acids, imides, etc. Serial No. 445,375; Sept. 16. Class 6.

Best & Co. Inc., New York, N. Y. Women's, misses', and children's dresses, coats, suits, hats, gloves, etc. Serial No. 426,476; Sept. 16. Class 39.

Biddle, James G., Co., Philadelphia, Pa. Rheostats. Serial No. 445,351; Sept. 16. Class 21.

Bie, Juell M., New York, N. Y. Watches. Serial No. 442,302; Sept. 16. Class 27.

Black, Walter J., Inc., New York, N. Y. Individual books and series of books. Serial No. 443,649; Sept. 16. Class 38.

Blanke-Baer Extract & Preserving Co., St. Louis, Mo. Fruit butters, preserves, jellies, etc. Serial No. 445,037; Sept. 16. Class 46.

Bora-Quin Chemical Company. (See Harden, E. C.)

Bowser, S. F., & Company, Incorporated, Fort Wayne, Ind. Measuring and dispensing apparatus for gasolines, oils, and other liquids. Serial No. 442,026; Sept. 16. Class 26.

Bralower, Morris, New York, N. Y. Piece goods of dyed and printed silks, and satin piece goods. Serial No. 441,692; Sept. 16. Class 42.

Brooks, Cleonae W., doing business as American Horseman, Lexington, Ky. Section of a periodical. Serial No. 445,195; Sept. 16. Class 38.

Burgess Seed & Plant Company, Inc., doing business as V. & M. Products Co., Galesburg, Mich. Plant growth stimulant. Serial No. 445,918; Sept. 16. Class 10.

Bursley & Company, Inc., Fort Wayne, Ind. Coffee, tea, wheat flour, etc. Serial No. 437,805; Sept. 16. Class 46.

Carson Pirie Scott & Company, Chicago, Ill. Cosmetics. Serial No. 441,387; Sept. 16. Class 6.

Celanese Corporation of America, New York, N. Y. Piece goods made wholly or partially of cellulose derivatives. Serial No. 445,600; Sept. 16. Class 42.

Celotex Corporation, The, Chicago, Ill. Adhesive compound. Serial No. 433,700; Sept. 16. Class 5.

Clan Mfg. Co., Camden, N. J. Cleaning preparation in the nature of a soap compound. Serial No. 434,738; Sept. 16. Class 4.

Cleveland Hobbing Machine Company, The, Cleveland, Ohio. Gear cutting machines, milling machines, and lathes. Serial No. 440,115; Sept. 16. Class 23.

Cleveland Hobbing Machine Company, The, Cleveland, Ohio. Gear cutting machines, milling machines, and lathes. Serial No. 440,118; Sept. 16. Class 23.

Container Corporation of America, Chicago, Ill. Folding cartons. Serial No. 445,885; Sept. 16. Class 2.

Cooledge, Ross M., and Leo C. Antles, Wenatchee, Wash. Fresh deciduous and citrus fruits. Serial No. 431,150; Sept. 16. Class 46.

Co-Operative Feed Dealers, Inc., Binghamton, N. Y. Wheat germ oils to be mixed with animal foods. Serial No. 444,255; Sept. 16. Class 6.

Davies-Young Soap Company, The, Dayton, Ohio. Prepared liquid wax. Serial No. 439,858; Sept. 16. Class 16.

Dennstedt, Charles W., doing business as Dennstedt Art Company, Chicago, Ill. Frames for pictures and mirrors. Serial No. 445,842; Sept. 16. Class 32.

Dermetics, Inc., Seattle, Wash. Lipsticks. Serial Nos. 444,528–30; Sept. 16. Class 6.

Destruxol Corporation, Ltd., Pasadena, Calif. Chemical emulsion, a lime and sulphur oil spray. Serial No. 443,750; Sept. 16. Class 6.

Dubey, Trufiy J., Detroit, Mich. Salve for cuts, sores, cold sores, chapped hands, etc. Serial No. 444,861; Sept. 16. Class 6.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Dyes and dyestuffs. Serial No. 444,442; Sept. 16. Class 6.

Dutch Cheese Importers Co. (See Rosenberg, Alexander.)

Dutchess Underwear Corporation, New York, N. Y. Ladies' underwear, pajamas, nightgowns, and dresses. Serial No. 445,261; Sept. 16. Class 39.

Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Photographic print rollers, light filters, range finders, etc. Serial No. 442,835; Sept. 16. Class 20.

Elgo Plastics, Inc., Chicago, Ill. Toy building blocks. Serial No. 445,691; Sept. 16. Class 22.

Elmo Sales Corporation, Philadelphia, Pa. Texture cream. Serial No. 444,119; Sept. 16. Class 6.

Espiritu, Januario, Los Angeles, Calif. Blow gun target game. Serial No. 427,240; Sept. 16. Class 22.

Expanset Corporation, Pawtucket, R. I. Hydraulic cement. Serial No. 445,462; Sept. 16. Class 12.

F. E. I. Corporation, The, Dover, Del., and Pittsburgh, Pa. Nail polish remover with oil. Serial No. 445,322; Sept. 16. Class 6.

Fehr, Mae E., doing business as Fehr's Products Company, Sacramento, Calif. Garlic sauce. Serial No. 443,878; Sept. 16. Class 46.

Fibro-Mold Specialties, Inc., Chicago, Ill. Burial vaults. Serial No. 445,010; Sept. 16. Class 2.

Firth Carpet Company, New York, N. Y. Carpets and rugs. Serial No. 444,331; Sept. 16. Class 42.

Florsheim, Marion, doing business as Marion Foster, New York, N. Y. Aviation togs. Serial No. 444,902; Sept. 16. Class 39.

Foodcraft Products. (See United Buyers Corporation.)

Foster, Marion. (See Florsheim, Marion.)

Friberg, Alger Robert, Beverly Hills, Calif. Frictional elements for brakes, such as brake linings, clutch facings, and brake blocks. Serial No. 444,863; Sept. 16. Class 35.

Fuel & Heat Control Corp., New York, N. Y. Electrical heat regulators. Serial No. 444,869; Sept. 16. Class 26.

Garden Products Company, St. Louis, Mo. Crab grass and chickweed killer. Serial No. 443,159; Sept. 16. Class 6.

Gates, George W., & Co., Inc., Franklin Square, N. Y. Ultra violet lamps. Serial No. 444,735; Sept. 16. Class 44.

General Gum, Incorporated, Chicago, Ill. Chewing gum. Serial No. 445,265; Sept. 16. Class 46.

Gimbel Brothers, Inc., New York, N. Y. Men's, women's, boys', and children's shoes. Serial No. 443,979; Sept. 16. Class 39.

Goldreich Bros., New York, N. Y. Raw fur skins, and for partly prepared fur skins. Serial No. 442,230; Sept. 16. Class 1.

Gold Seal Importers, Inc., New York, N. Y. Ladies' handbags. Serial No. 445,984; Sept. 16. Class 3.

Gould, Benjamin, doing business as Gould Glove Company, Philadelphia, Pa. Men's, women's, and boys' gloves. Serial No. 442,592; Sept. 16. Class 39.

Grubb Laboratory Inc., Seymour, Ind. Preparation used for internal administration to human beings for diagnosis. Serial No. 445,522; Sept. 16. Class 6.

Guild, L. W., Company, Inc., Boston, Mass. Cotton textile fabrics. Serial No. 445,724; Sept. 16. Class 42.

Guild of Prescription Opticians of America, Inc., Philadelphia, Pa. Lenses and optical products. Serial No. 442,847; Sept. 16. Class 26.

Harden, E. C., doing business as Bora-Quin Chemical Company, Little Rock, Ark. Antiseptic vaginal jelly. Serial No. 443,980; Sept. 16. Class 6.

Hayes, Scott W., Bloomington, Ill. Baby chicks. Serial No. 445,187; Sept. 16. Class 46.

Henry, Sidney, doing business as S. H. Hirsch, New York, N. Y. Perfume and toilet waters, lipstick and face powders. Serial No. 445,725; Sept. 16. Class 6.

Henry, Sidney, doing business as S. H. Hirsch, New York, N. Y. Perfume and toilet waters, lipsticks, and face powders. Serial No. 445,727; Sept. 16. Class 6.

Henry, Sidney, doing business as S. H. Hirsch, New York, N. Y. Perfume and toilet waters, lipstick and face powders. Serial No. 445,734; Sept. 16. Class 6.
Hirsch, S. H. (See Henry, Sidney.)
Hobart Manufacturing Company, The, Troy, Ohio. Electric coffee mills, coffee-refining mills, meat choppers, etc. Serial No. 444,701; Sept. 16. Class 21.
Hobart Manufacturing Company, The, Troy, Ohio. Weighing scales. Serial No. 444,702; Sept. 16. Class 26.
Hollywood Knitting Mills, Inc., Los Angeles, Calif. Coats, jackets, sweaters, etc. for men, women, and children. Serial No. 444,782; Sept. 16. Class 39.
Hy-Ge Beverage Co. (See Lozenski, Frank.)
Illinois Watch Case Company, Elgin, Ill. Watches and watch cases. Serial No. 444,969; Sept. 16. Class 27.
Indianapolis Glove Co., Indianapolis, Ind. Work gloves and work mittens. Serial No. 442,171; Sept. 16. Class 39.
Irresistible, Inc., Jersey City, N. J. Cologne, perfume, bubble bath preparation, etc. Serial No. 441,966; Sept. 16. Class 6.
Joseph & Feiss Company, The, Cleveland, Ohio. Men's and youths' suits. Serial No. 445,358; Sept. 16. Class 39.
Kallus, Joseph L., Brooklyn, N. Y. Dolls. Serial No. 446,111; Sept. 16. Class 22.
Kaufmann Department Stores, Inc., Pittsburgh, Pa. Men's clothing. Serial Nos. 445,290–1; Sept. 16. Class 39.
La Coeur Company, The, Meadville, Pa. Waving apparatus and pads therefor. Serial No. 441,005; Sept. 16. Class 44.
Lehn & Fink Products Corporation, Bloomfield, N. J. Perfume. Serial No. 445,393; Sept. 16. Class 6.
Lentheric, Incorporated, New York, N. Y. Lipsticks and rouges. Serial No. 433,012; Sept. 16. Class 6.
Letourneau, R. G., Inc., Stockton, Calif., and Peoria, Ill. Wire rope or cable. Serial No. 445,991; Sept. 16. Class 7.
Light Conditioning Company of America, Inc., New York, N. Y. Plastic sheets and laminations thereof, laminations of plastic sheets with glass fiber layers. Serial No. 445,270; Sept. 16. Class 50.
Lozenski, Frank, doing business as Hy-Ge Beverage Co., Leavenworth, Kans. Non-alcoholic, non-cereal, maltless beverages, and syrups and extracts for making the same. Serial No. 444,382; Sept. 16, 1941. Class 45.
Magic Nut Shop, The, Los Angeles, Calif. Shelled nuts. Serial No. 445,553; Sept. 16. Class 46.
Marshall Field & Company, Chicago, Ill. Women's sport dresses. Serial No. 445,492; Sept. 16. Class 39.
Merz & Co. Chemical Works, Inc., East Orange, N. J. Topical anesthetic. Serial No. 440,693; Sept. 16. Class 6.
Merz & Co. Chemical Works, Inc., East Orange, N. J. Greaseless colloidal rectal medication. Serial No. 440,700; Sept. 16. Class 6.
Miller, Polk, Products Corporation, Richmond, Va. Flea powder, and pine oil disinfectant. Serial No. 444,609; Sept. 16. Class 6.
Monsanto Chemical Company, St. Louis, Mo. Chemical products for finishing, lubricating, softening, wetting, etc. Serial No. 444,539; Sept. 16. Class 6.
Montanin Company, Inc., New York, N. Y. Anitseptics, fungicides, and disinfectants. Serial No. 417,096; Sept. 16. Class 6.
Morgan, Helen, Enterprises, Inc., San Francisco, Calif. Phonograph records. Serial No. 439,167; Sept. 16. Class 36.
Mutual Garment Company, St. Louis, Mo. Women's wearing apparel. Serial No. 445,297; Sept. 16. Class 39.
National Catholic Welfare Conference, Inc., Washington, D. C. News bulletins in the Spanish language. Serial No. 445,555; Sept. 16. Class 38.
National Fabrics Corporation, New York, N. Y. Textile fabrics in the piece. Serial No. 445,208; Sept. 16; Class 42.
National Press, Hickory, N. C. Monthly periodical. Serial No. 444,653; Sept. 16. Class 38.
National Pressure Cooker Company, Eau Claire, Wis. Aluminum cookers, pans, skillets, etc. Serial No. 442,756; Sept. 16. Class 13.
National Rayon Dyeing Company, Incorporated, Newark, N. J. Crochet yarn. Serial No. 444,879; Sept. 16. Class 43.
Nekoosa-Edwards Paper Company, Port Edwards, Wis. Wrapping paper. Serial No. 442,200; Sept. 16. Class 37.
Ohio Wax Paper Company, Columbus, Ohio. Waxed paper for wrapping bread and other bakery products. Serial No. 444,092; Sept. 16. Class 37.
Oil Service, Incorporated, Warren, Pa. Motor oils and greases. Serial No. 445,612; Sept. 16. Class 15.
Olympic Knitwear, Inc., New York, N. Y. Sweaters. Serial No. 445,613; Sept. 16. Class 39.
Onyx Oil & Chemical Company, Jersey City, N. J. Finish for hosiery of silk, cotton, wool, rayon, etc. Serial No. 445,635; Sept. 16. Class 6.
Owens-Illinois Can Company, Toledo, Ohio. Metallic boxes, cans and receptacles. Serial No. 446,086; Sept. 16. Class 2.
Parfums Weil Paris, Inc., New York, N. Y. Perfumes. Serial No. 444,386; Sept. 16. Class 6.
Parke, Effie Attebery, doing business at T. E. Attebery, Castle Rock, Wash., and Pleasant Hill, Mo. Ointment for treatment of piles and external infections. Serial No. 434,758; Sept. 16. Class 6.
Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Cleaning fluid for fabrics. Serial No. 4443,205; Sept. 16. Class 4.
Pizzitola, J. G., doing business as Beaumont Chemical Company, Houston, Tex. Insecticide. Serial No. 437,351; Sept. 16. Class 6.
Plee-Zing, Inc., Chicago, Ill. Magazine and periodical publications. Serial No. 445,100; Sept. 16. Class 38.
Pond's Extract Company, New York, N. Y. Skin cream. Serial No. 445,274; Sept. 16. Class 6.
Pond's Extract Company, New York, N. Y. Cold cream. Serial No. 445,275; Sept. 16. Class 6.
Pond's Extract Company, New York, N. Y. Vanishing cream. Serial No. 445,276; Sept. 16. Class 6.
Porcelain Enamel and Manufacturing Company of Baltimore, The, Baltimore, Md. Kitchen cabinets, tops for kitchen cabinets, and stools. Serial No. 444,545; Sept. 16. Class 32.
Posadas, Daniel G., Buenos Aires, Argentina. Casein. Serial No. 440,878; Sept. 16. Class 1.
Professional Specialties, Inc., St. Louis, Mo. Surgical glassware. Serial No. 440,611; Sept. 16. Class 44.
Quick Meal Cereal Co., Minneapolis, Minn. Cereal. Serial No. 432,270; Sept. 16. Class 46.
Ranger Products Company, Incorporated, Hamden, Conn. Preparations for ailments of animals. Serial No. 444,390; Sept. 16. Class 6.
Recorded Lectures, Inc., Chicago, Ill. Phonograph records. Serial No. 443,951; Sept. 16. Class 36.
Rep Products Co. (See Reprogle, Frank.)
Reprogle, Frank, doing business as Rep Products Co. Surgical saws for removing casts and bandages. Serial No. 445,333; Sept. 16. Class 44.
Rosenberg, Alexander, doing business as Dutch Cheese Importers Co., New York, N. Y. Hams. Serial No. No. 443,954; Sept. 16. Class 46.
Roynat Corporation, New York, N. Y. Wallboard and fileboard. Serial No. 445,640; Sept. 16. Class 12.
Rubberoid Co., The, Boundbrook, N. J., and New York, N. Y. Creosote oil. Serial No. 444,310; Sept. 16. Class 6.
Sabastiani Canning Co., Sonoma, Calif. Canned vegetables—namely, beets. Serial No. 444,981; Sept. 16. Class 46.
Schilffarth, O. L., & Co., Milwaukee, Wis. Blank forms—namely, statements, purchase orders, vouchers, etc. Serial No. 444,583; Sept. 16. Class 37.
Schwarz, Max, Manufacturer La Primadora Havana Cigars, Ltd., New York, N. Y. Cigars. Serial No. 432,318; Sept. 16. Class 17.
Siegel, A. L., Co., Inc., Newark, N. J. Article covers, bowl covers, toaster covers, etc. Serial Nos. 444,690–1; Sept. 16. Class 50.
Slimo Chemical Corporation, Vineland, N. J. Insecticide. Serial No. 443,581; Sept. 16. Class 6.
Sinclair Refining Company, New York, N. Y. Oils for lubricating purposes. Serial No. 445,508; Sept. 16. Class 15.
Squibb, E. R., & Sons, New York, N. Y. Preparations for use in habitual and threatened abortion and in muscular dystrophies. Serial No. 434,579; Sept. 16. Class 6.
Standard Oil Company of New Jersey, Wilmington, Del. Neon electric signs. Serial No. 444,552; Sept. 16. Class 21.
Sunset Oil Company, Los Angeles, Calif. Gasoline, motor oils and lubricating oils and greases. Serial No. 439,786; Sept. 16. Class 15.
Super Market Publishing Co. Inc., New York, N. Y. Printed publication. Serial No. 444,840; Sept. 16. Class 38.
Sussman, E., & Co., Inc., New York, N. Y. Men's and boys' overcoats, topcoats, jackets, etc. Serial No. 445,307; Sept. 16. Class 39.
Takamine Laboratory, Inc., Clifton, N. J. Healing ointment. Serial No. 444,615; Sept. 16. Class 6.
Taylor, White Extracting Company, Camden, N. J. Tanning extracts. Serial No. 445,399; Sept. 16. Class 6.
Tecumseh Products Company, Tecumseh, Mich. Refrigerators, refrigerating apparatus and ice boxes. Serial No. 431,095; Sept. 16. Class 31.
Tested Papers of America, Inc., Chicago, Ill. Electric lamps. Serial No. 444,806; Sept. 16. Class 21.
Texas Tanning & Manufacturing Company, Yoakum, Tex. Men's, women's, and children's articles of apparel. Serial No. 445,280; Sept. 16. Class 39.
Triangle Mechanical Laboratories Corp., New York, N. Y. Razor blades. Serial No. 442,883; Sept. 16. Class 23.
Troquet, Adolphe L. T., doing business as A. Troquet & Co. Composition for treating hat sweat bands to preserve the hair. Serial No. 445,023; Sept. 16. Class 6.
Tru-Rite, Inc., New York, N. Y. Carbon paper. Serial No. 441,146; Sept. 16. Class 11.
Turco Products, Inc., Los Angeles, Calif. Industrial metal cleaning compounds. Serial No. 445,401; Sept. 16. Class 4.
Uddeholms Aktiebolag, Uddeholm, Sweden. Steel bars, hollow and solid. Serial No. 422,223; Sept. 16. Class 14.

Union Bag & Paper Corporation, New York, N. Y. Paper bags. Serial No. 445,760; Sept. 16. Class 2.
United Buyers Corporation, doing business as Foodcraft Products, Chicago, Ill. Non-alcoholic, maltless beverages, and syrups and extracts for making the same. Serial No. 445,343; Sept. 16. Class 45.
United Elastic Corporation. (See American Mills Company of New York, assignor.)
United Feature Syndicate, Inc., New York, N. Y. Comic drawings. Serial No. 445,539; Sept. 16. Class 38.
United Paperboard Company, New York, Lockport, Thomson, Victory Mills, N. Y., Benton Falls, Maine; and Urbano, Ohio. Boxes and blanks therefor of cardboard or paperboard. Serial No. 420,348; Sept. 16. Class 2.
U. S. Neckwear Corporation, New York, N. Y. Neckties and scarfs. Serial No. 445,372; Sept. 16. Class 39.
United States Rubber Company, New York, N. Y. Automobile radiator hose. Serial No. 445,905; Sept. 16. Class 35.
V. & E. Engineering Co., Pasadena, Calif. Drafting instruments. Serial No. 444,424; Sept. 16. Class 26.
V. & M. Products Co. (See Burgess Seed & Plant Company.)
Warner Bros. Pictures, Inc., New York, N. Y. Motion pictures, and motion picture films, synchronized apparatus for reproducing light and sound effects. Serial No. 445,349; Sept. 16. Class 26.
Washington Federalist, The, Washington, D. C. Newspaper magazine. Serial No. 441,220; Sept. 16. Class 38.
Western Union Telegraph Company, The, New York, N. Y. Telegraph printers. Serial No. 432,056; Sept. 16. Class 21.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric laundry washers and electric laundry ironers. Serial No. 445,907; Sept. 16. Class 24.
White, S. S., Dental Manufacturing Company, The, Philadelphia, Pa. Tooth powder. Serial No. 445,511; Sept. 16. Class 6.
Wilson Brothers, Chicago, Ill. Men's outer shirts. Serial No. 445,442; Sept. 16. Class 39.
Wullschleger & Co., New York, N. Y. Silk, satin, rayon and cotton fabrics and mixtures thereof. Serial No. 445,217; Sept. 16. Class 42.

LIST OF REGISTRANTS OF TRADE-MARKS

Albemarle Paper Manufacturing Company, The, Richmond, Va. Kraft and Manilla wrapping, blotting, bond, and tissue paper. 151,064; renewed Jan. 24, 1942.
American Bleached Goods Company, Inc., New York, N. Y. Piece goods of rayon. 390,323; Sept. 16; Serial No. 443,740; published July 8, 1941. Class 42.
American Lead Pencil Company, Hoboken, N. J. Pencils, mechanical pencils, and fountain pens. 390,255; Sept. 16; Serial No. 418,129; published July 8, 1941. Class 37.
American Sheet & Tin Plate Company, to Carnegie-Illinois Steel Corporation, Pittsburgh, Pa., by merger. Black sheets of rolled soft steel. 147,536; renewed Oct. 25, 1941.
Animal Trap Company of America. (See Gibbs, Walter A., assignor.)
Austin Nichols & Co., Incorporated, Brooklyn and New York, N. Y. Blend of imported Panay rum, Mouquin triple sec liqueur, lemon juice, and grenadine. 390,329; Sept. 16; Serial No. 443,908; published July 8, 1941. Class 49.
Automatic Radio Manufacturing Co., Inc., Boston, Mass. Radio receivers. 390,261; Sept. 16; Serial No. 432,332; published Aug. 13, 1940. Class 21.
Auto-Ordnance Corporation, New York, N. Y., to Auto-Ordnance Corporation, Bridgeport, Conn. Rifles, pistols, guns, etc. 149,828; renewed Dec. 27, 1941.
Axelson Manufacturing Co., Los Angeles, Calif. Lathes. 390,266; Sept. 16; Serial No. 437,545; published July 8, 1941. Class 23.
Baldt Anchor, Chain & Forge Co., Chester, Pa. Chain cable. 390,350; Sept. 16. Class 13.
Baker Canning Company, Dundas and Theresa, Wis. Canned peas. 390,270; Sept. 16; Serial No. 439,454; published July 8, 1941. Class 46.
Baltimore Markets, Inc., Philadelphia, Pa. Canned foods. 390,265; Sept. 16; Serial No. 437,331; published Apr. 22, 1941. Class 46.
Banks, Al A., doing business as Lyk-Nu Company, New York, N. Y. Compound or compounds for polishing, cleaning, and finishing automobile, furniture, and painted surfaces. 390,345; Sept. 16. Class 16.
Barrett, Daniel, Appeal, Md. Crab meat. 390,354; Sept. 16. Class 46.
Bartlett, C. O., & Snow Company, The, Cleveland, Ohio. Crushers and driers, paint mills, paint mixers, and corn shellers. 150,723; renewed Jan. 10, 1942.
Beatrice Sales Corporation, New York and Brooklyn, N. Y. Blend of canned edible oils. 390,292; Sept. 16; Serial No. 442,817; published July 8, 1941. Class 46.
Berkowitz, J., & Sons, Inc., New York, N. Y. Fur coats. 390,278; Sept. 16; Serial No. 441,721; published June 24, 1941. Class 39.
Blue Swan Mills, Inc., New York, N. Y. Underwear. 390,276; Sept. 16; Serial No. 441,112; published June 24, 1941. Class 39.
Borden Company, The, New York, N. Y. Cream cheese. 390,272; Sept. 16; Serial No. 440,541; published July S, 1941. Class 46.
Botany Worsted Mills, Passaic, N. J. Cleaning fluid for fabrics. 390,324; Sept. 16; Serial No. 443,744; published July 8, 1941. Class 4.
Brach, E. J., & Sons, Chicago, Ill. Candy. 146,956; renewed Sept. 27, 1941.
Brach, E. J., & Sons, Chicago, Ill. Candy. 390,346; Sept. 16. Class 46.
Breneman, Chas. W., Co., The, Cincinnati, Ohio. Venetian blinds. 390,331–2; Sept. 16; Serial Nos. 444,068–9; published July 8, 1941. Class 32.
Breyer Ice Cream Company, assignor, by mesne assignments, to Breyer Ice Cream Company, Philadelphia, Pa. Ice-cream. 145,616; renewed Aug. 16, 1941.
Brown, Henry, doing business as Operator's Oil & Refining, Long Beach, Calif. Gasoline. 390,341; Sept. 16. Class 15.
California Cotton Mills Company, Oakland, Calif. Twines of all kinds in cotton, hemp, flax, and jute. 151,319; renewed Jan. 31, 1942.
Carnegie-Illinois Steel Corporation. (See American Sheet & Tin Plate Company.)
Celotex Corporation, The, Chicago, Ill. Roll roofing, asbestos roof coating, asphalt roof coating, and plastic cement. 390,335; Sept. 16. Class 12.
Cerophyl Laboratories, Inc., Kansas City, Mo. Processed food consisting of dehydrated cereal grasses. 390,299; Sept. 16; Serial No. 442,990; published July 8, 1941. Class 46.
Coger, Tucker & Chency, Inc., Corning, N. Y. Self-rising pancake-flour. 146,073; renewed Aug. 30, 1941.
Cohn-Hall-Marx Co., New York, N. Y. Cotton, rayon, acetate, and/or silk piece goods. 390,316; Sept. 16; Serial No. 443,555; published July 8, 1941. Class 42.
Colgate & Co., Jersey City, N. J., and New York, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Soap pellets. 150,305; renewed Jan. 3, 1942.
Cook, L. B., Bait Mfg. Co., Shreveport, La. Fish lures. 390,330; Sept. 16; Serial No. 443,917; published July 8, 1941. Class 22.
Curtis, Thomas J., Los Angeles, Calif. Light ray transmitting and diffusing elements. 390,342; Sept. 16. Class 21.
Daugherty, S. Ray, Los Angeles, Calif. Game. 390,315; Sept. 16; Serial No. 443,532; published July 8, 1941. Class 22.
De la Torre, J., e Hijo, S. R. L., Mexico City, Mexico. Filter cloths. 390,298; Sept. 16; Serial No. 442,932; published July 8, 1941. Class 31.
DeCew, Judson A. (See Process Engineers, Incorporated, assignor.)
Delatour, B., doing business as E. Delatour & Cie., and B. Delatour & Cie., Cognac and Bordeaux, France, and Ponce, P. R. Alcoholic liqueurs. 390,300; Sept. 16; Serial No. 442,993; published July 8, 1941. Class 49.
Duryea Products Company, Incorporated, Jersey City, N. J. Belt dressing. 390,259; Sept. 16; Serial No. 431,549; published July 8, 1941. Class 4.
Eagle-Ottawa Leather Company, Chicago, Ill. Leather. 390,353; Sept. 16. Class 1.
Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Water colors. 390,293; Sept. 16; Serial No. 442,832; published July 8, 1941. Class 16.
Eng-Skell Company, Inc., San Francisco, Calif. Non-alcoholic, maltless beverage and compound for flavoring the same. 151,125; renewed Jan. 24, 1942.
Famous-Barr Company. (See May Department Stores Company, The.)
Farel Destin, Inc., New York, N. Y. Face powder, talcum powder, and powdered rouge. 390,338; Sept. 16. Class 6.
Federated Foods, Inc., doing business as Federated Foods, Chicago, Ill. Canned salmon. 390,321; Sept. 16; Serial No. 443,656; published July 8, 1941. Class 46.
Fiberloid Corporation, The, Indian Orchard, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Hair-brushes, clothes-brushes, tooth-brushes, and nail-brushes. 146,734; renewed Sept. 20, 1941.
Fiberloid Corporation, The, Indian Orchard, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Hand-mirrors. 149,919; renewed Dec. 27, 1941.
Firestone Tire & Rubber Company, The, Akron, Ohio. Defrosting and ventilating fans. 390,277; Sept. 16; Serial No. 441,570; published July 8, 1941. Class 21.

Fort Pitt Bedding Company, Pittsburgh, Pa. Mattresses and box springs. 390,296–7; Sept. 16; Serial Nos. 442,899–900; published July 8, 1941. Class 32.

Fouke Fur Company, St. Louis, Mo. Furs, skins, hides, and pelts. 151,130; renewed Jan. 24, 1942.

Fox, Fontaine, New York, N. Y., assignor to Fontaine Fox, Greenwich, Conn. Series of cartoons. 150,368–71; renewed Jan. 3 1942.

Fox, Fontaine, New York, N. Y., assignor to Fontaine Fox, Greenwich, Conn. Series of cartoons. 150,821; renewed Jan. 10, 1942.

Geckler, Frank M., Jr., doing business as Frank M. Geckler & Co., New York, N. Y. Piece goods all or in part of cotton, wool, rayon, etc. 390,313; Sept. 16; Serial No. 443,415; published July 8, 1941. Class 42.

General Dyestuff Corporation. (See Grasselli Chemical Company, assignor.)

Gibbs, Walter A., Chester, Pa., assignor, by mesne assignments, to Animal Trap Company of America, Lititz, Pa. Animal traps. 150,376; renewed Jan. 3, 1942.

Giurlani, A., & Bro., San Francisco, Calif. Olive oil, hearts of artichokes, etc. 390,267; Sept. 16; Serial No. 438,129; published Mar. 11, 1941. Class 46.

Globe Lighting Fixture Mfg. Co., New York, N. Y. Electric lighting fixtures. 390,304; Sept. 16; Serial No. 443,081; published July 8, 1941. Class 21.

Goldsmith Bros., New York, N. Y. Coffee, tea, mustard, and candy. 390,289; Sept. 16; Serial No. 442,702; published July 8, 1941. Class 46.

Goldsmith Bros., New York, N. Y. Stapling machines of the plier type. 390,355; Sept. 16. Class 37.

Grant, Aaron G., Oakland, Calif. Game cloth and a board game. 390,282; Sept. 16; Serial No. 441,865; published July 8, 1941. Class 22.

Grasselli Chemical Company, The, Cleveland, Ohio, assignor, by mesne assignments, to General Dyestuff Corporation, New York, N. Y. Chemical substances. 147,316; renewed Oct. 11, 1941.

Grasselli Chemical Company, The, Cleveland, Ohio, assignor, by mesne assignments, to General Dyestuff Corporation, New York, N. Y. Dyes and dyestuffs. 147,317; renewed Oct. 11, 1941.

Gray & Company, Portland, Oreg. Glacé fruits, glacé fruit peels, fruit jams, etc. 390,253; Sept. 16; Serial No. 399,756; published July 8, 1941. Class 46.

Guggenheim, Harry F., and Alicia Patterson, Hempstead, N. Y. Newspapers. 390,263; Sept. 16; Serial No. 436,176; published July 1, 1941. Class 38.

Hardeman, J. T., Hat Co., Seattle, Wash. Hats and caps for men. 151,161; renewed Jan. 24, 1942.

Helios, Limited, Bolton, England. Furnishing fabrics in the piece, bed covers, and table covers, etc. 390,326; Sept. 16; Serial No. 443,760; published July 8, 1941. Class 42.

Heppenstall Company, Pittsburgh, Pa. Automatic tongs for lifting heavy articles. 390,352; Sept. 16. Class 23.

Hermanos, Pallarés, assignor to Pallarés Hermanos, S. A., Cabra, Spain. Olive-oil. 144,795; renewed July 19, 1941.

Hessberg, Magnus, Inc., Richmond, Va. Sole and harness leather. 151,166; renewed Jan. 24, 1942.

Hewitt Soap Company, Inc., The, Dayton, Ohio. Soap. 390,320; Sept. 16; Serial No. 443,633; published July 8, 1941. Class 4.

Hoof Products Company, Chicago, Ill. Governors and parts thereof for internal combustion engines, carburetors and parts thereof for internal combustion engines. 390,334; Sept. 16. Class 23.

Houghton, E. F., & Co., Philadelphia, Pa. Lubricating-oils. 146,254–5; renewed Sept. 6, 1941.

Houghton, E. F., & Co., Philadelphia, Pa. Metal-cutting oils. 146,773–4; renewed Sept. 20, 1941.

Ideal Coated Paper Company, assignor to McLaurin-Jones Co., Brookfield, Mass. Gummed paper. 151,144; renewed Jan. 24, 1942.

Indian Maid Beverage Co. (See Nunan, H. M.)

International Milling Company. (See Wells Flour Milling Company, assignor.)

Iowa Soap Company, Burlington, Iowa. Soap for bath and toilet. 148,091; renewed Nov. 8, 1941.

Italian Vineyard Company, Los Angeles, Calif. Brandy. 390,317; Sept. 16; Serial No. 443,570; published July 8, 1941. Class 49.

Kennedy Valve Manufacturing Company, The, Elmira, N. Y. Fire-hydrants, indicator-posts, and certain valves. 148,458; renewed Nov. 15, 1941.

Kolynos Company, The, New Haven, Conn. Soap. 149,974; renewed Dec. 27, 1941.

Krier Preserving Company, The, Belgium, Wis. Canned vegetables. 390,284; Sept. 16; Serial No. 442,133; published July 8, 1941. Class 46.

Kroehler Mfg. Co., Naperville, Ill. Lounge chairs. 390,262; Sept. 16; Serial No. 433,491; published Nov. 5, 1940. Class 32.

Kronberger, Alfred M., Boston, Mass. Preparation for the removal of corns. 149,976; renewed Dec. 27, 1941.

Leacock & Co., Inc., New York, N. Y. Linen and cotton fabrics in the piece, table cloths, napkins, etc. 390,314; Sept. 16; Serial No. 443,461; published July 8, 1941. Class 42.

Leewood Fabrics, Inc., New York, N. Y. Worsted and woolen textile fabrics. 390,318; Sept. 16; Serial No. 443,611; published July 8, 1941. Class 42.

Lewis, A. H., Medicine Company, The, assignor to Lewis-Howe Co., St. Louis, Mo. Medicinal tablets for stomach and liver. 148,136; renewed Nov. 8, 1941.

Lewis, Mathias S., doing business as The Lewis Laboratories, Drexel Hill, Pa. Hand cleaners. 390,328; Sept. 16; Serial No. 443,812; published July 8, 1941. Class 4.

Lockport Cotton Batting Co., Lockport, N. Y. Cotton which has been treated to render it fireproof. 390,349; Sept. 16. Class 1.

Loose-Wiles Biscuit Company, New York and Long Island City, N. Y. Bakery products. 390,283; Sept. 16; Serial No. 442,010; published July 8, 1941. Class 46.

Lord & Taylor, New York, N. Y. Men's dress-shirts. 148,468; renewed Nov. 15, 1941.

Lyk-Nu Company. (See Banks, Al. A.)

M. & N. Cigar Manufacturers, Inc. (See Newman, Julius C., assignor.)

MacDonald, Ian, Modesto, Calif. Practice golf ball retriever. 390,311; Sept. 16; Serial No. 443,298; published July 8, 1941. Class 22.

Malleable Iron Range Company, Beaver Dam, Wis. Flue-linings. 146,807; renewed Sept. 20, 1941.

Mallinson, H. R., & Co., Inc., assignor to Mallinson Fabrics Corporation, New York, N. Y. Silk piece goods. 148,153; renewed Nov. 8, 1941.

Mallinson, H. R., & Co., Inc., assignor to Mallinson Fabrics Corporation, New York, N. Y. Silk piece goods. 148,897; renewed Nov. 29, 1941.

May Department Stores Company, The, New York, N. Y.; Baltimore, Md.; Cleveland, Ohio; Los Angeles, Calif.; and Denver, Colo.; also doing business as The Famous-Barr Company, St. Louis, Mo., and also as The M. O'Neil Co., Akron, Ohio. Coats. 390,290; Sept. 16; Serial No. 442,717; published June 24, 1941. Class 39.

McClintock, Richard S., Spokane, Wash. Ice crushers. 390,305; Sept. 16; Serial No. 443,087; published July 8, 1941. Class 23.

McDonald Corporation, The, Lakeland, Fla. Canned citrus fruit juices. 390,273; Sept. 16; Serial No. 440,559; published July 8, 1941. Class 46.

McLaurin-Jones Co. (See Ideal Coated Paper Company, assignor.)

Marco Animal Foods, Inc., Philadelphia, Pa. Cat food. 390,312; Sept. 16; Serial No. 443,299; published July 8, 1941. Class 46.

Marshall, Charles, doing business as Marshall Products, Nampa, Idaho. Automobile polish. 390,260; Sept. 16; Serial No. 431,917; published July 8, 1941. Class 16.

Mech. Trikotweberei Ludwig Maier & Co., A. G. (See Mechanische Trikotweberei Stuttgart Ludwig Maier & Co., assignor.)

Mechanische Trikotweberei Stuttgart Ludwig Maier & Co., assignor to Mech. Trikotweberei Ludwig Maier & Co., A. G., Boblingen, Germany. Articles of clothing. 141,412; renewed Apr. 19, 1941.

Melba Manufacturing Company, Chicago, Ill., assignor, by mesne assignments, to Vadsco Sales Corporation, Long Island City, N. Y. Perfumes, face-powder, talcum-powders, toilet waters, etc. 148,902; renewed Nov. 29, 1941.

Mello Sheen Corporation, New York, N. Y. Textile fabrics in the piece of fine count poplin. 390,327; Sept. 16; Serial No. 443,775; published July 8, 1941. Class 42.

Milcola Co. (See Olsen, Lester S.)

Mingtoy Silk Mills Inc. (See Sacks, I., & Sons, assignor.)

Mitchell and Smith Inc., Boston, Mass., to Mitchell and Smith, Inc., Detroit, Mich. Leather link belts, endless belts, leather disks, leather packings and washers. 147,643; renewed Oct. 25, 1941.

Mongolia Importing Co. Inc., New York, N. Y. Sausage casings. 390,275; Sept. 16; Serial No. 441,058; published July 8, 1941. Class 46.

Monsanto Chemical Company. (See Fiberloid Corporation, The, assignor.)

Morningstar, Nicol, Inc., New York, N. Y. Arrowroot starch and flour. 390,257; Sept. 16; Serial No. 429,741; published July 8, 1941. Class 46.

Motor Products Corporation, Detroit, Mich., and North Chicago, Ill. Refrigerating apparatus and parts thereof. 390,264; Sept. 16; Serial No. 437,250; published July 8, 1941. Class 31.

Munro, Harold W., Providence, R. I. Toy surgical instruments, dolls and toy badges. 390,291; Sept. 16; Serial No. 442,755; published July 8, 1941. Class 22.

National Greenhouse Mfg. Co., Pana, Ill. Gum sealing composition on a deformable lead strip used in glazing operations. 390,340; Sept. 16. Class 16.

National Lead Company, New York, N. Y. Linseed meal used as livestock and dairy feed. 390,279–80; Sept. 16; Serial Nos. 441,738–9; published July 8, 1941. Class 46.

New Era Shirt Company, St. Louis, Mo. Men's and boys' shirts. 390,256; Sept. 16; Serial No. 424,601; published June 24, 1941. Class 39.

Newman, J. C., Cigar Company, The, assignor to M. & N. Cigar Manufacturers, Inc., Cleveland, Ohio. Cigars. 150,919; renewed Jan. 10, 1942.

Newman, Julius C., assignor to M. & N. Cigar Manufacturers, Inc., Cleveland, Ohio. High-grade cigars. 146,307; renewed Sept. 6, 1941.

New York Bag Co. Inc., New York, N. Y. Pocketbooks and handbags. 390,294; Sept. 16; Serial No. 442,849; published July 8, 1941. Class 3.

Nieto, Vicente, & Bros., Tampa, Fla., and San Francisco, Calif., to Vicente Nieto & Bros., Tampa, Fla. Cigars. 151,276; renewed Jan. 24, 1942.

Normandie Watch Co., New York, N. Y. Watches and watch parts. 390,351; Sept. 16. Class 27.

Northrup, King & Co., Minneapolis, Minn. Garden-seed. 145,425; renewed Aug. 2, 1941.

Northrup, King & Co., Minneapolis, Minn. Poultry and dairy feed. 146,314; renewed Sept. 6, 1941.

Northwestern Plastic Art Co. Inc., Milwaukee, Wis. Plastic imitation stone wall facings. 390,343; Sept. 16. Class 12.

Nunan, H. M., doing business as Indian Maid Beverage Co., Fullerton, Calif. Non-alcoholic maltless beverages. 390,274; Sept. 16; Serial No. 440,729; published July 8, 1941. Class 45.

Old Joe Distilling Company, Lawrenceburg, Ky. Bourbon whiskeys. 390,285; Sept. 16; Serial No. 442,328; published July 8, 1941. Class 49.

Olsen, Lester S., doing business as The Milcola Co., Milwaukee, Wis. Dairy drink having a flavored milk as its base. 390,336; Sept. 16. Class 46.

O'Neil, M., Co. (See May Department Stores Company, The.)

Operator's Oil & Refining. (See Brown, Henry.)

Paris Decorators Corp., New York, N. Y. Upholstered furniture. 390,281; Sept. 16; Serial No. 441,742; published July 8, 1941. Class 32.

Patterson, Alicia. (See Guggenheim, Harry F., and Alicia Patterson.)

Patricia Petticoat Co., Inc., The, New York, N. Y. Women's and misses' slips. 390,268; Sept. 16; Serial No. 438,898; published June 24, 1941. Class 39.

Peerless Roll Leaf Co., Inc., Union City, N. J. Transfer roll leaf. 390,337; Sept. 16. Class 11.

Pender, David, Grocery Company, Norfolk, Va. Cereals. 390,269; Sept. 16; Serial No. 439,361; published July 8, 1941. Class 46.

Pfanstiehl Chemical Company, Waukegan, Ill. Phonograph needles. 390,339; Sept. 16. Class 36.

Process Engineers, Incorporated, New York, N. Y., assignors to Judson A. DeCew, Mount Vernon, N. Y. Printed booklets and leaflets published from time to time. 147,388; renewed Oct. 11, 1941.

Raabe & Bowman, assignor to Lester F. Raabe, Philadelphia, Pa. Cathartics and purgatives. 146,135; renewed Aug. 30, 1941.

Raabe & Bowman, assignor to Lester F. Raabe, Philadelphia, Pa. Body-vermin destroyers. 147,390; renewed Oct. 11, 1941.

Rabinowe, E., & Co. Inc., Yonkers, N. Y. Ready mixed paints, varnishes, paint enamels, etc. 390,258; Sept. 16; Serial No. 429,886; published July 8, 1941. Class 16.

Reed & Carnrick, New York, N. Y., to Reed & Carnrick, Jersey City, N. J. Antiseptic and detergent compound. 20,193; re-renewed Oct. 6, 1941.

Reed & Carnrick, New York, N. Y., to Reed & Carnrick, Jersey City, N. J. Remedy for rheumatism and gouty diathesis. 20,194; re-renewed Oct. 6, 1941.

Robinson, Will B., M. D., doing business as The Dr. Nathan Tucker Laboratory, Mount Gilead, Ohio. Medicinal preparation for certain purposes. 148,239; renewed Nov. 8, 1941.

Romanoff Cavier Company, New York, N. Y. Bouillon cubes. 390,287; Sept. 16; Serial No. 442,603; published July 8, 1941. Class 46.

Roth, Otto, & Co., Inc., New York, N. Y. Cheese. 390,347; Sept. 16. Class 46.

Sacks, I., & Sons, assignor, by mesne assignments, to Mingtoy Silk Mills, Inc., New York, N. Y. Silks in the piece. 150,093; renewed Dec. 27, 1941.

Sandpaper Incorporated, Waltham, Mass. Flexible abrasive article. 390,286; Sept. 16; Serial No. 442,430; published July 8, 1941. Class 4.

Sarrá y Hernández, Ernesto José, Habana, Cuba. Chemical product in any of its three forms: crystalized, powder, or tablet. 390,333; Sept. 16; Serial No. 1,302 (Inter-Am. Series); published Mar. 17, 1939. Class 6.

Sauer, C. F., Company, The, Richmond, Va. Food-flavoring extracts. 149,730; renewed Dec. 20, 1941.

Scharco Manufacturing Company, Inc., New York, N. Y. Mattresses for juveniles. 390,348; Sept. 16. Class 32.

Schneider, Hoffenberg & Mines, Inc., New York, N. Y. Suits. 390,295; Sept. 16; Serial No. 442,854; published June 24, 1941. Class 39.

Schwarzenbach, Huber & Company, West Hoboken, N. J., and New York, N. Y., to The Schwarzenbach Huber Co., New York, N. Y. Broad silks in the piece. 150,560; renewed Jan. 3, 1942.

Select Sportswear, Inc., New York, N. Y. Sweaters and two piece knitted dresses. 390,301; Sept. 16; Serial No. 443,018; published June 24, 1941. Class 39.

Shapiro Bros. Inc., Chicago, Ill., and Phoenix, Ariz. Fresh vegetables. 390,322; Sept. 16; Serial No. 443,735; published July 8, 1941. Class 46.

Sherman, Henry B., New York, N. Y. Carburetors and carburetor parts. 390,271; Sept. 16; Serial No. 439,880; published July 8, 1941. Class 23.

Shire, Harry I., Detroit, Mich. Electrical ammeters. 145,457; renewed Aug. 2, 1941.

Simon, Franklin, & Co. Inc., assignor to Franklin Simon & Co., Inc., New York, N. Y. Clothing. 150,570; renewed Jan. 3, 1942.

Smith, A. A., & Son, Inc., New York, N. Y. Underwear and knitted outerwear. 390,302–3; Sept. 16; Serial Nos. 443,020–1; published June 24, 1941. Class 39.

Society of Chemical Industry in Basle, Basel, Switzerland. Certain pharmaceutical preparation to be used as an anthelmintic. 145,817; renewed Aug. 16, 1941.

Society of Chemical Industry in Basle, Basel, Switzerland. Pharmaceutical preparations—namely, epinephrin and epinephrin substitute. 146,003; renewed Aug. 23, 1941.

Society of Chemical Industry in Basle, Basel, Switzerland. Pharmaceutical preparations. 146,004; renewed Aug. 23, 1941.

Society of Chemical Industry in Basle, Basel, Switzerland. Vitamin preparations, nerve-tonics, malt extracts, etc. 150,114–15; renewed Dec. 27, 1941.

Society of Chemical Industry in Basle, Basel, Switzerland. Coal-tar colors. 150,116; renewed Dec. 27, 1941.

Southern Coal & Coke Company, Inc., Knoxville, Tenn. Coal. 151,247; renewed Jan. 24, 1942.

St. Denis Toiletries, Inc., New York, N. Y. Soaps. 390,319; Sept. 16; Serial No. 443,618; published July 8, 1941. Class 4.

Studner, David M., New York, N. Y. Removable and attachable lining for coats, jackets, etc. 390,344; Sept. 16. Class 39.

Theiner, Rudolph, Chicago, Ill. Salve for certain named ailments. 150,622; renewed Jan. 3, 1942.

Thomas & Betts Co., The, Elizabeth, N. J. Electrical-connecting lugs or connectors. 390,308; Sept. 16; Serial No. 443,239; published July 8, 1941. Class 21.

Timme, Otto, deceased, Estate of, doing business as E. F. Timme & Son, New York, N. Y. Rugs, carpets, and pile fabrics in the piece. 390,325; Sept. 16; Serial No. 443,757; published July 8, 1941. Class 42.

Toledo Scale Company, Toledo, Ohio. Weighing scales. 390,307; Sept. 16; Serial No. 443,175; published July 8, 1941. Class 26.

Truscon Steel Company, assignor to Truscon Laboratories, Inc., Detroit, Mich. Paint coating for exterior surfaces. 151,266; renewed Jan. 24, 1942.

Tucker, Dr. Nathan, Laboratory. (See Robinson, Will B.)

Vadsco Sales Corporation. (See Melba Manufacturing Company, assignor.)

Vagim, James G., doing business as Vagim Packing Co., Fresno, Calif. Dried fruits. 390,309–10; Sept. 16; Serial Nos. 443,271–2; published July 8, 1941. Class 46.

Wells Flour Milling Company, Wells, assignor to International Milling Company, Minneapolis, Minn. Wheat-flour. 150,166; renewed Dec. 27, 1941.

Weyl-Zuckerman & Co., Stockton, Calif. Fresh potatoes in their natural state. 390,254; Sept. 16; Serial No. 411,258; published July 8, 1941. Class 46.

Wilson & Bennett Mfg. Company, Chicago, Ill. Containers. 390,306; Sept. 16; Serial No. 443,150; published July 8, 1941. Class 2.

Wolfson, S., & Greenbaum, Inc., New York, N. Y. Blouses and dresses. 390,288; Sept. 16; Serial No. 442,682; published June 24, 1941. Class 39.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Southern Coal & Coke Company. 151,247; renewed Jan. 24, 1942.

Cotton which has been treated to render it fireproof. Lockport Cotton Batting Co. 390,349; Sept. 16.

Furs, skins, hides, and pelts. Fouke Fur Company. 151,130; renewed Jan. 24, 1942.

Garden-seed. Northrup, King & Co. 145,425; renewed Aug. 2, 1941.

Leather. Eagle-Ottawa Leather Company. 390,353; Sept. 16.

Leather, Sole and harness. Magnus Hessberg, Inc. 151,166; renewed Jan. 24, 1942.

CLASS 2

Containers. Wilson & Bennett Mfg. Company. 390,306; Sept. 16; Serial No. 443,150; published July 8, 1941.

CLASS 3

Pocketbooks and handbags. New York Bag Co. Inc. 390,294; Sept. 16; Serial No. 442,849; published July 8, 1941.

CLASS 4

Belt dressing. Duryea Products Company. 390,259; Sept. 16; Serial No. 431,549; published July 8, 1941.
Cleaning fluid for fabrics. Botany Worsted Mills. 390,324; Sept. 16; Serial No. 443,744; published July 8, 1941.
Flexible abrasive article. Sandpaper Incorporated. 390,286; Sept. 16; Serial No. 442,430; published July 8, 1941.
Hand cleaners. M. S. Lewis. 390,328; Sept. 16; Serial No. 443,812; published July 8, 1941.
Soap. Hewitt Soap Company. 390,320; Sept. 16; Serial No. 443,633; published July 8, 1941.
Soap. Kolynos Company. 149,974; renewed Dec. 27, 1941.
Soap for bath and toilet. Iowa Soap Company. 148,091; renewed Nov. 8, 1941.
Soap pellets. Colgate & Co. 150,305; renewed Jan. 3, 1942.
Soaps. St. Denis Toiletries, Inc. 390,319; Sept. 16; Serial No. 443,618; published July 8, 1941.

CLASS 6

Antiseptic and detergent compound. Reed & Carnrick. 20,193; re-renewed Oct. 6, 1941.
Cathartics and purgatives. Raabe & Bowman. 146,135; renewed Aug. 30, 1941.
Chemical product. E. J. Sarrá y Hernández. 390,333; Sept. 16; Serial No. 1,302 (Inter-Am. Series); published Mar. 17, 1939.
Chemical substances. Grasselli Chemical Company. 147,316; renewed Oct. 11, 1941.
Coal-tar colors. Society of Chemical Industry in Basle. 150,116; renewed Dec. 27, 1941.
Dyes and dyestuffs. Grasselli Chemical Company. 147,317; renewed Oct. 11, 1941.
Face powder, talcum powder, and powdered rouge. Farel Destin, Inc. 390,338; Sept. 16.
Medicinal preparation. W. B. Robinson, M. D. 148,239; renewed Nov. 8, 1941.
Medicinal tablets for stomach and liver. A. H. Lewis Medicine Company. 148,136; renewed Nov. 8, 1941.
Perfumes, face-powders, talcum powders, toilet waters, etc. Melba Manufacturing Company. 148,902; renewed Nov. 29, 1941.
Pharmaceutical preparations. Society of Chemical Industry in Basle. 146,003; renewed Aug. 23, 1941.
Pharmaceutical preparations. Society of Chemical Industry in Basle. 146,004; renewed Aug. 23, 1941.
Pharmaceutical preparation to be used as an anthelmintic. Society of Chemical Industry in Basle. 145,817; renewed Aug. 16, 1941.
Preparation for the removal of corns. A. M. Kronberger. 149,975; renewed Dec. 27, 1941.
Remedy for rheumatism and gouty diathesis. Reed & Carnrick. 20,194; re-renewed Oct. 6, 1941.
Salve for certain named ailments. R. Theiner. 150,622; renewed Jan. 3, 1942.
Vermin destroyers, Body. Raabe & Bowman. 147,390; renewed Oct. 11, 1941.
Vitamin preparations, nerve-tonics, malt extracts, etc. Society of Chemical Industry in Basle. 150,114–15; renewed Dec. 27, 1941.

CLASS 7

Twines of all kinds in cotton, flax, hemp, and jute. California Cotton Mills Company. 151,319; renewed Jan. 31, 1942.

CLASS 9

Rifles, pistols, guns, etc. Auto-Ordnance Corporation. 149,828; renewed Dec. 27, 1941.

CLASS 11

Roll leaf, Transfer. Peerless Roll Leaf Co. 390,337; Sept. 16.

CLASS 12

Roll roofing, asbestos roof coating, asphalt roof coating, and plastic cement. Celotex Corporation. 390,335; Sept. 16.
Stone wall facings, Plastic imitation. Northwestern Plastic Art Co. Inc. 390,343; Sept. 16.

CLASS 13

Cable, Chain. Baldt Anchor, Chain & Forge Co. 390,350; Sept. 16.
Fire-hydrants, Indicator-posts, and certain valves. Kennedy Valve Manufacturing Company. 148,458; renewed Nov. 15, 1941.

CLASS 14

Black sheets of rolled soft steel. American Sheet & Tin Plate Company. 147,536; renewed Oct. 25, 1941.

CLASS 15

Gasoline. H. Brown. 390,341; Sept. 16.
Oils, Lubricating. E. F. Houghton & Co. 146,254–5; renewed Sept. 6, 1941.
Oils, Metal-cutting. E. F. Houghton & Co. 146,773–4; renewed Sept. 20, 1941.

CLASS 16

Automobile polish. C. Marshall. 390,260; Sept. 16; Serial No. 431,917; published July 8, 1941.
Compound or compounds for polishing, cleaning, and finishing automobiles, etc. A. A. Banks. 390,345; Sept. 16.
Gum sealing composition on a deformable lead strip. National Greenhouse Mfg. Co. 390,340; Sept. 16.
Paint coating for exterior surfaces. Truscon Steel Company. 151,266; renewed Jan. 24, 1942.
Ready mixed paints, varnishes, paint enamels, etc. E. Rabinowe & Co. Inc. 390,258; Sept. 16; Serial No. 429,886; published July 8, 1941.
Water colors. Eastman Kodak Company. 390,293; Sept. 16; Serial No. 442,832; published July 8, 1941.

CLASS 17

Cigars. J. C. Newman. 146,307; renewed Sept. 6, 1941.
Cigars. J. C. Newman Cigar Company. 150,919; renewed Jan. 10, 1942.
Cigars. Vicente Nieto & Bros. 151,276; renewed Jan. 24, 1942.

CLASS 21

Defrosting and ventilating fans. Firestone Tire & Rubber Company. 390,277; Sept. 16; Serial No. 441,570; published July 8, 1941.
Electric lighting fixtures. Globe Lighting Fixture Mfg. Co. 390,304; Sept. 16; Serial No. 443,081; published July 8, 1941.
Electrical-connecting lugs or connectors. Thomas & Betts Co. 390,308; Sept. 16; Serial No. 443,239; published July 8, 1941.
Light ray transmitting and diffusing elements. T. J. Curtis. 390,342; Sept. 16.
Radio receivers. Automatic Radio Manufacturing Co. 390,261; Sept. 16; Serial No. 432,332; published Aug. 13, 1940.

CLASS 22

Fish lures. L. B. Cook Bait Mfg. Co. 390,330; Sept. 16; Serial No. 443,917; published July 8, 1941.
Game. S. Ray Daugherty. 390,315; Sept. 16; Serial No. 443,532; published July 8, 1941.
Game cloth and a board game. A. G. Grant. 390,282; Sept. 16; Serial No. 441,865; published July 8, 1941.
Golf ball retriever, Practice. I. MacDonald. 390,311; Sept. 16; Serial No. 443,298; published July 8, 1941.
Toy surgical instruments, dolls and toy badges. H. W. Munro. 390,291; Sept. 16; Serial No. 442,755; published July 8, 1941.

CLASS 23

Carburetors and carburetor parts. H. B. Sherman. 390,271; Sept. 16; Serial No. 439,880; published July 8, 1941.
Crushers and driers, paint mills, paint mixers, and corn shellers. C. O. Bartlett & Snow Company. 150,723; renewed Jan. 10, 1942.
Governors and parts thereof for internal combustion engines, carburetors and parts thereof for internal combustion engines. Hoof Products Company. 390,334; Sept. 16.
Ice crushers. R. S. McClintock. 390,305; Sept. 16; Serial No. 443,087; published July 8, 1941.
Lathes. Axelson Manufacturing Co. 390,266; Sept. 16; Serial No. 437,545; published July 8, 1941.
Tongs, Automatic. Heppenstall Company. 390,352; Sept. 16.

CLASS 26

Ammeters, Electrical. H. I. Shire. 145,547; renewed Aug. 2, 1941.
Weighing scales. Toledo Scale Company. 390,307; Sept. 16; Serial No. 443,175; published July 8, 1941.

CLASS 27

Watches and watch parts. Normandie Watch Co. 390,351; Sept. 16.

CLASS 29

Hair-brushes, clothes-brushes, tooth-brushes, and nail-brushes. Fiberloid Corporation. 146,734; renewed Sept. 20, 1941.

CLASS 31

Filter cloths. J. de la Torre e Hijo, S. R. L. 390,298; Sept. 16; Serial No. 442,932; published July 8, 1941.
Refrigerating apparatus and parts thereof. Motor Products Corporation. 390,264; Sept. 16; Serial No. 437,250; published July 8, 1941.

CLASS 32

Chairs, Lounge. Kroehler Mfg. Co. 390,262; Sept. 16; Serial No. 433,491; published Nov. 5, 1040.
Mattresses. Scharco Manufacturing Company. 390,348; Sept. 16.
Mattresses and box springs. Fort Pitt Bedding Company. 390,296–7; Sept. 16; Serial Nos. 442,899–900; published July 8, 1941.
Mirrors, Hand. Fiberloid Corporation. 149,919; renewed Dec. 27, 1941.
Upholstered furniture. Paris Decorators Corp. 390,281; Sept. 16; Serial No. 441,742; published July 8, 1941.

Venetian blinds. Chas. W. Breneman Co. 390,331–2; Sept. 16; Serial Nos. 444,068–9; published July 8, 1941.

CLASS 34

Flue-linings. Malleable Iron Range Company. 146,807; renewed Sept. 20, 1941.

CLASS 35

Belts, endless belts, leather disks, leather packings and washers, leather link. Mitchell and Smith Inc. 147,643; renewed Oct. 25, 1941.

CLASS 36

Needles, Phonograph. Pfanstiehl Chemical Company. 390,339; Sept. 16.

CLASS 37

Paper, Gummed. Ideal Coated Paper Company. 151,144; renewed Jan. 24, 1942.
Paper, Kraft and Manilla, blotting, bond, tissue, etc. Albemarle Paper Manufacturing Company. 151,064; renewed Jan. 24, 1942.
Pencils, mechanical pencils and fountain pens. American Lead Pencil Company. 390,255; Sept. 16; Serial No. 418,129; published July 8, 1941.
Stapling machines of the plier type. Goldsmith Bros. 390,355; Sept. 16.

CLASS 38

Booklets and leaflets, Printed. Process Engineers, Incorporated. 147,388; renewed Oct. 11, 1941.
Cartoons, Series of. F. Fox. 150,368–71; renewed Jan. 3, 1942.
Cartoons, Series of, F. Fox. 150,821; renewed Jan. 10, 1942.
Newspapers. H. F. Guggenheim and A. Patterson. 390,263; Sept. 16; Serial No. 436,176; published July 1, 1941.

CLASS 39

Blouses and dresses. S. Wolfson & Greenbaum, Inc. 390,288; Sept. 16; Serial No. 442,682; published June 24, 1941.
Clothing. Mechanische Trikotweberei Stuttgart Ludwig Maier & Co. 141,412; renewed Apr. 19, 1941.
Clothing. Franklin Simon & Co. Inc. 150,570; renewed Jan. 3, 1942.
Coats. May Department Stores Company. 390,290; Sept. 16; Serial No. 442,717; published June 24, 1941.
Coats, Fur. J. Berkowitz & Sons, Inc. 390,278; Sept. 16; Serial No. 441,721; published June 24, 1941.
Dress-shirts, Men's. Lord & Taylor. 148,468; renewed Nov. 15, 1941.
Hats and caps for men. J. T. Hardeman Hat Co. 151,161; renewed Jan. 24, 1942.
Lining for coats, jackets, etc., Removable and attachable. D. M. Studner. 390,344; Sept. 16.
Shirts. New Era Shirt Company. 390,256; Sept. 16; Serial No. 424,601; published June 24, 1941.
Slips. Patricia Petticoat Co. 390,268; Sept. 16; Serial No. 438,898; published June 24, 1941.
Suits. Schneider, Hoffenberg & Mines, Inc. 390,295; Sept. 16; Serial No. 442,854; published June 24, 1941.
Sweaters and two piece knitted dresses. Select Sportswear, Inc. 390,301; Sept. 16; Serial No. 443,018; published June 24, 1941.
Underwear. Blue Swan Mills, Inc. 390,276; Sept. 16; Serial No. 441,112; published June 24, 1941.
Underwear and knitted outerwear. A. A. Smith & Son, Inc. 390,302–3; Sept. 16; Serial Nos. 443,020–1; published June 24, 1941.

CLASS 42

Cotton, rayon, acetate, and/or silk piece goods. Cohn-Hall-Marx Co. 390,316; Sept. 16; Serial No. 443,555; published July 8, 1941.
Furnishing fabrics in the piece, bed covers, and table covers, etc. Helios, Limited. 390,326; Sept. 16; Serial No. 443,760; published July 8, 1941.
Linen and cotton fabrics in the piece, table cloths, napkins, etc. Leacock & Co. 390,314; Sept. 16; Serial No. 443,461; published July 8, 1941.
Piece goods all or in part of cotton, wool, rayon, etc. F. M. Geckler, Jr. 390,313; Sept. 16; Serial No. 443,415; published July 8, 1941.
Piece goods of rayon. American Bleached Goods Company. 390,323; Sept. 16; Serial No. 443,740; published July 8, 1941.
Piece goods, Silk. H. R. Mallinson & Co. Inc. 148,153; renewed Nov. 8, 1941.
Piece goods, Silk. H. R. Mallinson & Co. 148,897; renewed Nov. 29, 1941.
Rugs, carpets, and pile fabrics in the piece. Estate of O. Timme. 390,325; Sept. 16; Serial No. 443,757; published July 8, 1941.
Silks in the piece. I. Sacks & Sons. 150,093; renewed Dec. 27, 1941.
Silks in the piece, Broad. Schwarzenbach, Huber & Company. 150,560; renewed Jan. 3, 1942.
Textile fabrics in the piece of fine count poplin. Mello Sheen Corporation. 390,327; Sept. 16; Serial No. 443,775; published July 8, 1941.
Worsted and woolen textile fabrics. Leewood Fabrics, Inc. 390,318; Sept. 16; Serial No. 443,611; published July 8, 1941.

CLASS 45

Beverage and compound for flavoring the same, Non-alcoholic, maltless. Eng-Skell Company. 151,125; renewed Jan. 24, 1942.
Beverages, Non-alcoholic, maltless. H. M. Nunan. 390,274; Sept. 16; Serial No. 440,729; published July 8, 1941.

CLASS 46

Arrowroot starch and flour. Morningstar, Nicol, Inc. 390,257; Sept. 16; Serial No. 429,741; published July 8, 1941.
Bakery products. Loose-Wiles Biscuit Company. 390,283; Sept. 16; Serial No. 442,010; published July 8, 1941.
Blend of canned edible oils. Beatrice Sales Corporation. 390,292; Sept. 16; Serial No. 442,817; published July 8, 1941.
Boujllon cubes. Romanoff Caviar Company. 390,287; Sept. 16; Serial No. 442,603; published July 8, 1941.
Candy. E. J. Brach & Sons. 390,346; Sept. 16.
Candy. E. J. Brach & Sons. 146,956; renewed Sept. 27, 1941.
Canned citrus fruit juices. McDonald Corporation. 390,273; Sept. 16. Serial No. 440,559; published July 8, 1941.
Canned foods. Baltimore Markets, Inc. 390,265; Sept. 16. Serial No. 437,331; published Apr. 22, 1941.
Canned peas. Baker Canning Company. 390,270; Sept. 16. Serial No. 439,454; published July 8, 1941.
Canned salmon. Federated Foods, Inc. 390,321; Sept. 16; Serial No. 443,656; published July 8, 1941.
Canned vegetables. Krier Preserving Company. 390,284; Sept. 16. Serial No. 442,133; published July 8, 1941.
Cat food. Marco Animal Foods, Inc. 390,312; Sept. 16; Serial No. 443,299; published July 8, 1941.
Cereals. David Pender Grocery Company. 390,269; Sept. 16. Serial No. 439,361; published July 8, 1941.
Cheese. O. Roth & Co. 390,347; Sept. 16.
Cheese, Cream. Borden Company. 390,272; Sept. 16; Serial No. 440,541; published July 8, 1941.
Coffee, tea, mustard and candy. Goldsmith Bros. 390,289; Sept. 16; Serial No. 442,702; published July 8, 1941.
Crab meat. D. Barrett. 390,354; Sept. 16.
Dairy drink. L. S. Olsen. 390,336; Sept. 16.
Dried fruits. J. G. Vagim. 390,309–10; Sept. 16; Serial Nos. 443,271–2; published July 8, 1941.
Feed, Poultry and dairy. Northrup, King & Co. 146,314; renewed Sept. 6. 1941.
Flour, Wheat. Wells Flour Milling Company. 150,166; renewed Dec. 27, 1941.
Food consisting of dehydrated cereal grasses; Processed. Cerophyl Laboratories, Inc. 390,299; Sept. 16; Serial No. 442,990; published July 8, 1941.
Food-flavoring extracts. C. F. Sauer Company. 149,730; renewed Dec. 20, 1941.
Fruits, glace fruit peels, fruit jams, etc., Glace. Gray & Company. 390,253; Sept. 16; Serial No. 399,756; published July 8, 1941.
Ice-cream. Breyer Ice Cream Company. 145,616; renewed Aug. 16, 1941.
Linseed meal, used as livestock and dairy feed. National Lead Company. 390,279–80; Sept. 16; Serial Nos. 441,738–9; published July 8, 1941.
Olive-oil. Pallarés Hermanos. 144,795; renewed July 19, 1941.
Olive oil, hearts of artichokes, etc. A. Giurlani & Bro. 390,267; Sept. 16; Serial No. 438,129; published Mar. 11, 1941.
Pancake-flour, Self-rising. Coger, Tucker & Cheney, Inc. 146,073; renewed Aug. 30, 1941.
Potatoes in their natural state, Fresh. Weyl-Zuckerman & Co. 390,254; Sept. 16; Serial No. 411,258; published July 8, 1941.
Sausage casings. Mongolia Importing Co. Inc. 390,275; Sept. 16; Serial No. 441,058; published July 8, 1941.
Vegetables, Fresh. Shapiro Bros. Inc. 390,322; Sept. 16; Serial No. 443,735; published July 8, 1941.

CLASS 49

Alcoholic liqueurs. B. Delatour. 390,300; Sept. 16; Serial No. 442,993; published July 8, 1941.
Blend of imported panay rum, mouquin triple sec liqueur, lemon juice and grenadine. Austin Nichols & Co. 390,329; Sept. 16; Serial No. 443,908; published July 8, 1941.
Bourbon whiskeys. Old Joe Distilling Company. 390,285; Sept. 16; Serial No. 442,328; published July 8, 1941.
Brandy. Italian Vineyard Company. 390,317; Sept. 16; Serial No. 443,570; published July 8, 1941.

CLASS 50

Animal traps. W. A. Gibbs. 150,376; renewed Jan. 3, 1942.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 16TH DAY OF SEPTEMBER, 1941

NOTE.--Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Crosley Corporation, The. (See Tyzzer, Howard J., assignor.)

Gehm, Harold M., Alton, Ill., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Jar. Des. Re. 21,900; Sept. 16.

Owens-Illinois Glass Company. (See Gehm, Harold M., assignor.)

Reach, Milton B., Springfield, Mass. Inflated ball. Re. 21,901; Sept. 16.

Tyzzer, Howard J., Montclair, N. J., assignor to The Crosley Corporation, Cincinnati, Ohio. Push button tuning device. Re. 21,902; Sept. 16.

LIST OF DESIGN PATENTEES

Arrow Manufacturing Company. (See Guttman, John B., assignor.)

Artz, James, New York, N. Y. Hat. 129,469; Sept. 16.

Artz, James, New York, N. Y. Hat. 129,470; Sept. 16.

Beer, Leo, Kew Gardens, N. Y. Braid. 129,471; Sept. 16.

Bradley, Milton, Company. (See Weddell, Joseph K., assignor.)

Bridgeport Casket Hardware Company, The. (See Pastor, John, assignor.)

Buckingham, John D., assignor to Lucien LeLong, Inc., Chicago, Ill. Cologne bottle or similar article. 129,503; Sept. 16.

Buckingham, John D., assignor to Lucien Lelong, Inc., Chicago, Ill. Bottle stopper or similar article. 129,504; Sept. 16.

Budiong, Robert D., assignor to Zenith Radio Corporation, Chicago, Ill. Dial escutcheon for a radio set. 129,519; Sept. 16.

Budiong, Robert D., assignor to Zenith Radio Corporation, Chicago, Ill. Dial escutcheon for a radio set. 129,520; Sept. 16.

Cassidy, Ida P., Warrensburg, N. Y. Game board. 129,472; Sept. 16.

Chernow, Michael, New York, N. Y. Bracelet. 129,521; Sept. 16.

Chernow, Michael, New York, N. Y. Bracelet. 129,522; Sept. 16.

Cohn & Rosenberger, Inc. (See Verrecchio, Gene, assignor.)

Consolidated Aircraft Corporation. (See Laddon, Isaac M., assignor.)

Constantine, George, New York, N. Y. Dress. 129,523; Sept. 16.

Del Re, Angelo, Brooklyn, N. Y. Coat. 129,524; Sept. 16.

De Santis, Guy, Dedham, Mass. Hair curler. 129,505; Sept. 16.

Dupuis, Suzanne R., New York, N. Y. Mounting for handbags or the like. 129,473; Sept. 16.

Elmo Sales Corporation. (See Forsman, Peter L., assignor.)

Ernst, Walter, and J. A. Muller, Mount Gilead, Ohio, assignors to The Hydraulic Development Corporation, Inc., Wilmington, Del. Press. 129,506; Sept. 16.

Forsman, Peter L., New York, N. Y., assignor to Elmo Sales Corporation, Philadelphia, Pa. Bow label. 129,474; Sept. 16.

Gannon, Edward P., Rockford, Ill. Display case. 129,475; Sept. 16.

Gannon, Edward P., Rockford, Ill. Display case. 129,476; Sept. 16.

Gannon, Edward P., Rockford, Ill. Display case. 129,477; Sept. 16.

Goodrich, B. F., Company, The. (See Rideout, John G., assignor.)

Gretsch, Fred, Jr., Forest Hills, N. Y. Guitar or similar musical instruments. 129,478; Sept. 16.

Guttman, John B., Elmhurst, N. Y., assignor to Arrow Manufacturing Company, Incorporated, Hoboken, N. J. Display case. 129,525; Sept. 16.

Hanisch, Arthur O., Altadena, Calif. Combined mascara applicator and eyelash curler. 129,526; Sept. 16.

Hannigan, Bert A., Van Nuys, Calif. Gallery air machine gun. 129,527; Sept. 16.

Haus, Carolina, San Francisco, Calif. Bowl or analogous article. 129,479; Sept. 16.

Heywood-Wakefield Company. (See Piranek, Leo, assignor.)

Horowitz, Harry, Elizabeth, N. J. Textile fabric. 129,480; Sept. 16.

Horowitz, Harry, Elizabeth, N. J. Textile fabric. 129,481; Sept. 16.

Hoshafian, Lucy, New York, N. Y. Dress. 129,561; Sept. 16.

Hydraulic Development Corporation, The. (See Ernst, W., and Muller, assignors.)

Ireland, Murray, near Elgin, assignor to McGraw Electric Company, Elgin, Ill. Electric iron. 129,507; Sept. 16.

Jacobson, Rose New York, N. Y. Hat or similar article. 129,528; Sept. 16.

Jiranek, Leo, Scarsdale, N. Y., assignor to Heywood-Wakefield Company, Gardner, Mass. Chest. 129,482; Sept. 16.

Jiranek, Leo, Scarsdale, N. Y., assignor to Heywood-Wakefield Company, Gardner, Mass. Chest. 129,483; Sept. 16.

Jiranek, Leo, Scarsdale, N. Y. assignor to Heywood-Wakefield Company, Gardner, Mass. Chest. 129,484; Sept. 16.

Jiranek, Leo, Scarsdale, N. Y., assignor to Heywood-Wakefield Company, Gardner, Mass. Table. 129,485; Sept. 16.

Jiranek, Leo, Scarsdale, N. Y., assignor to Heywood-Wakefield Company, Gardner, Mass. Chair. 129,486;

Kardo-Sessoeff, Alexander, New York, N. Y. Combined shoe wedge and platform or similar article. 129,487; Sept. 16.

Kraeft, Herman L., Cleveland Heights, assignor to The Murray-Ohio Manufacturing Company, Cleveland, Ohio. Bicycle frame joint or similar article. 129,568; Sept. 16.

Laddon, Isaac M., San Diego, Calif., assignor to Consolidated Aircraft Corporation. Airplane. 129,529; Sept. 16.

Landau, Joseph N., New York, N. Y. Combination collapsible tube and massage device. 129,508; Sept. 16.

Lelong, Lucien, Inc. (See Buckingham, John D., assignor.)

Loubat Glassware & Cork Company, The. (See Tujague, Albert, assignor.)

Lundy, William J., assignor to Olean Glass Company, Olean, N. Y. Glass jar. 129,509; Sept. 16.

Lundy, William J., assignor to Olean Glass Company, Olean, N. Y. Glass jar. 129,510; Sept. 16.

Manaster, Ben B., Chicago, Ill. Cocktail server. 129,530; Sept. 16.

Mark, Louis C., assignor to Rice-Weiner and Company, Providence, R. I. Bracelet or the like. 129,531; Sept. 16.

Mark, Louis C., assignor to Rice-Weiner and Company, Providence, R. I. Necklace. 129,532; Sept. 16.

Mark, Louis C., assignor to Rice-Weiner and Company, Providence, R. I. Brooch or the like. 129,533; Sept. 16.

Mark, Louis C., assignor to Rice-Weiner and Company, Providence, R. I. Pin or the like. 129,570; Sept. 16.

Mark, Louis C., assignor to Rice-Weiner and Company, Providence, R. I. Necklace or the like. 129,571; Sept. 16.

Mark, Louis C., assignor to Rice-Weiner and Company, Providence, R. I. Bracelet or the like. 129,572; Sept. 16.

Mark, Louis C., assignor to Rice-Weiner and Company, Providence, R. I. Pin or the like. 129,573; Sept. 16.

Marx, George M., Washington, D. C. Badge or similar article. 129,511; Sept. 16.

Maurer, Richard A., Seattle, Wash. Display cabinet. 129,534; Sept. 16.

McClintock, Margot K., Solesbury, Pa. Dress. 129,562; Sept. 16.

McClintock, Margot K., Solesbury, Pa. Dress. 129,574; Sept. 16.

McDonald, Eugene F., Jr. (See Rocheville, Charles F., assignor.)

McGraw Electric Company. (See Ireland, Murray, assignor.)

Mir, David, New York, N. Y. Brooch or similar article. 129,535; Sept. 16.

Mitchell, Henry W., Lake Forest, assignor to Warner-Patterson Company, Chicago, Ill. Solvent distributing device and bracket therefor. 129,512; Sept. 16.
Moon, Irene. (See Moon, Ralph M. and I.)
Moon, Ralph M. and I., Los Angeles, Calif. Laundry tray cover. 129,536; Sept. 16.
Muller, Johan A. (See Ernst, W., and Muller.)
Murray-Ohio Manufacturing Company, The. (See Kraeft, Herman L., assignor.)
Nachman, Joseph, assignor to L. Nachman & Sons, Philadelphia, Pa. Combined pleated and embroidered fabric. 129,575; Sept. 16.
Nachman, L. & Sons. (See Nachman, Joseph, assignor.)
Norris, William A., Alhambra, Calif. Fan. 129,488; Sept. 16.
O'Brien, Eugene J., Burbank, Calif. Brooch or similar article. 129,537; Sept. 16.
Olean Glass Company. (See Lundy, William J., assignor.)
Parfums Schiaparelli Inc. (See Parkinson, George R., assignor.)
Parker, Clarence W., Lynn, Mass. Piece of bric-a-brac. 129,513; Sept. 16.
Parkinson, George R., assignor to Parfums Schiaparelli Inc., New York, N. Y. Perfume bottle or similar article. 129,514; Sept. 16.
Pastor, John, assignor to The Bridgeport Casket Hardware Company, Bridgeport, Conn. Lug and corner for casket handle or similar article. 129,489; Sept. 16.
Payne, Jacob, Manhasset, N. Y. Bottle. 129,515; Sept. 16.
Philippe, Alfred, New York, N. Y. Pin clip. 129,516; Sept. 16.
Philippe, Alfred, New York, N. Y. Pin clip. 129,538; Sept. 16.
Philippe, Alfred, New York, N. Y. Pin clip. 129,539; Sept. 16.
Philippe, Alfred, New York, N. Y. Pin clip. 129,540; Sept. 16.
Philippe, Alfred, New York, N. Y. Pin clip. 129,541; Sept. 16.
Philippe, Alfred, New York, N. Y. Pin clip. 129,542; Sept. 16.
Philippe, Alfred, New York, N. Y. Pin clip. 129,543; Sept. 16.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 129,544; Sept. 16.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 129,545; Sept. 16.
Piehel, Irving, New York, N. Y. Handbag. 129,569; Sept. 16.
Queen City Textile Corporation. (See Ward, J. F., and Wascoe, assignors.)
Ragot, Charles L., New York, N. Y. Key. 129,546; Sept. 16.
Rhodes, Gilbert J., New York, N. Y. Garment hanger. 129,547; Sept. 16.
Rice-Weiner and Company. (See Mark, Louis C., assignor.)
Richman, Ruth, New York, N. Y. Dress. 129,563; Sept. 16.
Rideout, John G., Cleveland, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire. 129,564; Sept. 16.
Rocheville, Charles F., Long Beach, Calif., assignor to E. F. McDonald, Jr., Chicago, Ill. Glider airplane. 129,548; Sept. 16.
Rosenfeld, Allan, New York, N. Y. Combined flower bowl and holder. 129,517; Sept. 16.
Schaeffer, Samuel B., Jackson Heights, N. Y. Textile fabric. 129,490; Sept. 16.
Schaeffer, Samuel B., Jackson Heights, N. Y. Textile fabric. 129,491; Sept. 16.
Schaeffer, Samuel B., Jackson Heights, N. Y. Textile fabric. 129,492; Sept. 16.
Schaeffer, Samuel B., Jackson Heights, N. Y. Textile fabric. 129,493; Sept. 16.
Schaeffer, Samuel B., Jackson Heights, N. Y. Textile fabric. 129,494; Sept. 16.
Schaeffer, Samuel B., Jackson Heights, N. Y. Textile fabric. 129,495; Sept. 16.
Schaeffer, Samuel B., Jackson Heights, N. Y. Textile fabric. 129,565; Sept. 16.
Schaeffer, Samuel B., Jackson Heights, N. Y. Textile fabric. 129,566; Sept. 16.
Schaeffer, Samuel B., Jackson Heights, N. Y. Textile fabric. 129,567; Sept. 16.
Spaney, Alfred, New York, N. Y. Brooch or similar article. 129,549; Sept. 16.
Spaney, Alfred, New York, N. Y. Pin clip. 129,550; Sept. 16.
Spaney, Alfred, New York, N. Y. Brooch or similar article. 129,551; Sept. 16.
Spaney, Alfred, New York, N. Y. Brooch or similar article. 129,552; Sept. 16.
Spaney, Alfred, New York, N. Y. Brooch or similar article. 129,553; Sept. 16.
Strauss, Arthur, New York, N. Y. Stamp or similar article. 129,554; Sept. 16.
Strauss, Arthur, New York, N. Y. Stamp or similar article. 129,555; Sept. 16.
Strauss, Arthur, New York, N. Y. Stamp or similar article. 129,556; Sept. 16.
Strauss, Arthur, New York, N. Y. Stamp or similar article. 129,557; Sept. 16.
Strauss, Arthur, New York, N. Y. Stamp or similar article. 129,558; Sept. 16.
Tujague, Albert, assignor to The Loubat Glassware & Cork Company, New Orleans, La. Coffee cup. 129,496; Sept. 16.
Verrecchio, Gene, Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 129,560; Sept. 16.
Ward, Joseph F., and M. Wascoe, assignors to Queen City Textile Corporation, Allentown, Pa. Glove. 129,497; Sept. 16.
Ward, Joseph F., and M. Wascoe, assignors to Queen City Textile Corporation, Allentown, Pa. Glove. 129,498; Sept. 16.
Warner-Patterson Company. (See Mitchell, Henry W., assignor.)
Wascoe, Michael. (See Ward, J. F., and Wascoe.)
Waterman, Arthur, Philadelphia, Pa. Neck-tie rack. 129,499; Sept. 16.
Watson, Charles S., Pocatello, Idaho. Nasal brush or similar article. 129,518; Sept. 16.
Weddell, Joseph K., assignor to Milton Bradley Company, Springfield, Mass. Toy boat. 129,500; Sept. 16.
Weinblum, Abraham, New York, N. Y. Veiling. 129,501; Sept. 16.
Wood, George R., Montreal, Quebec, Canada. Slicing machine. 129,559; Sept. 16.
Wright, Orville, Louisville, Ky. Illuminable house sign. 129,502; Sept. 16.
Zenith Radio Corporation. (See Budlong, Robert D., assignor.)

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 16TH DAY OF SEPTEMBER, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acme Newspictures, Inc. (See Thompson, Louis A., assignor.)
Acrotorque Company, The. (See Orshansky, Elias, Jr., assignor.)
Adams, James W., Dallas, Tex., assignor to Oil Well Supply Company. Automatic air chamber. 2,256,370; Sept. 16.
Adamson, Clarence, Aurora, Ill., assignor to Redler Conveyor Company, Quincy, Mass. Conveyer. 2,255,907; Sept. 16.
Adkinson, Fay F. (See Dodge, R. L., and Adkinson.)
Adler, John B., Muncie, Ind., assignor to Shwayder Bros. Inc., Denver, Colo. Chair construction. 2,255,870; Sept. 16.
Advance Aircraft Tool Company. (See Ballou, John M.)
Aetna Standard Engineering Company, The. (See Matthews, Percy W., assignor.)
Agee, Charles A. T., Collingswood, N. J. Cigarette extinguisher. 2,256,420; Sept. 16.
Air Reduction Company. (See Tyrner, Joseph, assignor.)
Aktiebolaget Götaverken. (See Eweryd, K. K. H., Ödman, and Wilding, assignors.)
Aktiebolaget Karlstads Mekaniska Werkstad. (See Tomtlund, Karl H., assignor.)
Aldous, William H., and G. W. Warren, Wembley, England, assignors to M-O Valve Co. Limited. Electron discharge device. 2,256,335; Sept. 16.
All Metal Products Company. (See Gora, J. J., and Wyrick, assignors.)
Allegheny Ludlum Steel Corporation. (See Batcheller, Clements, assignor.)
Alleman, Allen J., assignor of one-half to M. R. Gilmer, Opelika, Ala. Adjustable traveler cleaner. 2,256,446; Sept. 16.
Allen, Charles J., Teaneck, N. J., assignor to Sinclair Refining Company, New York, N. Y. Manifolding pay envelope. 2,256,184; Sept. 16.
Allis-Chalmers Manufacturing Company. (See Dortort, Isadore K., assignor.)
Allyne, Edmund E. (See McCarty, Lourdes V., assignor.)
Ambrose, John H., assignor to Hudson Bay Mining & Smelting Co. Limited, Flin Flon, Manitoba, Canada. Reverberatory furnace. 2,256,271; Sept. 16.
American Blower Corporation. (See Anderson, Edward L., assignor.)
American Can Company. (See Murch, John H., assignor.)
American Cyanamid Company. (See Schroy, Paul C., assignor.)
American Electrical Heater Company. (See Kuhn, F., and Thomas, assignors.)
American Hard Rubber Company. (See Robbins, H. C., and Hillidring, assignors.)
American Locomotive Company. (See Mahoney, J. M., and Leahy, assignors.)
American Locomotive Company. (See Weber, Theodore R., assignor.)
American Optical Company. (See Splaine, Edward M., assignor.)
American Smelting and Refining Company. (See Call, Benjamin G., assignor.)
American Steel and Wire Company of New Jersey, The. (See McNamara, George F., assignor.)
American Viscose Corporation. (See Crewdson, Henry, assignor.)
Ames, Arthur D. (See Furry, J. F., and Ames.)
Anaconda Wire and Cable Company. (See Thompson, Harry E., assignor.)
Anderson, Edward L., assignor to American Blower Corporation, Detroit, Mich. Resilient motor support and belt-tightening apparatus. 2,255,908; Sept. 16.
Anderson, Nels A., Stockton, assignor to Fibreboard Products Inc., San Francisco, Calif. Box making machine. 2,255,745; Sept. 16.
Anderson, Ray B. (See Spang, F. J., and Anderson.)
Andresen, Hilmar A., assignor to E. Edelmann & Co., Chicago, Ill. Temperature indicator. 2,256,007; Sept. 16.
Anemostat Corporation of America. (See Kurth, Franz J., assignor.)
Ariens, Mando S., Brillion, Wis. Ground working implement. 2,256,185; Sept. 16.
Armstrong, Fredrick D., Brighton-le-Sands, near Sydney, Australia. Supporting and manipulating curtains and the like. 2,256,008; Sept. 16.
Asaro, Vito, and E. Krajewski, assignors to L. A. Young Spring and Wire Corporation, Detroit, Mich. Spring cushion structure. 2,255,958; Sept. 16.
Associated Manufacturers' Agency, Inc. (See Dilley, Morris M., assignor.)
Associated Patentees, Inc. (See Powers, Walter P., assignor.)
Associated Telephone & Telegraph Company. (See Graham, John St. C. W., assignor.)
Atlee, Zed J., Elmhurst, and J. T. Wilson, Evanston, assignors to General Electric X-Ray Corporation, Chicago, Ill. X-ray tube and shield. 2,256,229; Sept. 16.
Atterbury, Niles, Pittsburgh, Pa. Sanitary valve. 2,256,230; Sept. 16.
Atwood, Lyle C., assignor to The Atwood Vacuum Machine Company, Rockford, Ill. Adjustable vehicle seat. 2,256,009; Sept. 16.
Atwood Vacuum Machine Company, The. (See Atwood, Lyle C., assignor.)
Atwood Vacuum Machine Company, The. (See Harmon, Joseph F., assignor.)
Ausherman, Harry S. and W. S., Abilene, Kans. Rasp bar for grain threshing cylinders. 2,256,010; Sept. 16.
Ausherman, William S. (See Ausherman, Harry S. and W. S.)
Avery, Harold T., Oakland, Calif., assignor to Marchant Calculating Machine Company. Calculating machine. 2,255,909; Sept. 16.
Axtell, Perry C., Moro, Oreg. Self-lifting plow. 2,256,039; Sept. 16.
Babcock Box Company. (See McGill, Henry, assignor.)
Babcock & Wilcox Company, The. (See Shellenberger, Rolfe, assignor.)
Bailey, Warren G., Evanston, assignor to O-Cedar Corp'n, Chicago, Ill. Mop. 2,255,872; Sept. 16.
Baker Perkins Company. (See Rapisarda, Edward D., assignor.)
Baker Perkins Company Inc. (See Paterson, John C., assignor.)
Balle, Gerhard, Frankfort-on-the-Main, and K. Horst, Hofheim in Taunus, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Quaternary nitrogen compounds. 2,256,186; Sept. 16.
Ballou, John M., assignor to S. M. Tymann and Leo Schinagel, doing business as Advance Aircraft Tool Company, Los Angeles, Calif. Drafting instrument. 2,256,011; Sept. 16.
Bancel, Paul A., Upper Montclair, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Body conditioning apparatus suit. 2,255,751; Sept. 16.
Bandur, Adolph F., Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Magnetic body. 2,255,873; Sept. 16.
Bandygar, Julius. (See Wojcicki, John, assignor.)
Bangert, Lawrence E., Richmond Hill, N. Y. Lawn mower attachment. 2,256,255; Sept. 16.
Barber, Clarence G., Cedar Rapids, Iowa. Indicating float. 2,255,959; Sept. 16.
Barnes, George W., Clifton Heights, Pa., assignor to E. R. Fenimore Johnson, Moorestown, N. J. Refractive equalizer. 2,256,133; Sept. 16.
Barrows, Donald S., assignor to The Symington-Gould Corporation, Rochester, N. Y. Railway truck. 2,255,960; Sept. 16.
Bartram, Thomas W., Nitro, W. Va., assignor, by mesne assignments, to Monsanto Chemical Company, Wilmington, Del. Mineral oil product and treating the same. 2,256,187; Sept. 16.
Basel, Georg, and E. Schaeffer, Burghausen, Upper Bavaria, assignors to Dr. Alexander Wacker Gesellschaft für Elektrochemische Industrie G. m. b. H., Munich, Bavaria, Germany. Producing tetrachlorethylene. 2,255,752; Sept. 16.
Bass, William M. (See Blaisdell, Carl N., assignor.)
Batcheller, Clements, Glens Falls, N. Y., assignor to Allegheny Ludlum Steel Corporation, Pittsburgh, Pa. Making composite panel elements. 2,256,272; Sept. 16.
Bates, Mortimer F., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Automatic throttle control for multiengined aircraft. 2,255,753; Sept. 16.
Baudry, René A., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company East Pittsburgh, Pa. Blower for field coils. 2,255,910; Sept. 16.
Bay West Paper Company. (See Engel, John B., assignor.)
Bayer, Otto. (See Bögemann, M., Bayer, Schröter, and Pohle.)
Beale, Evelyn S. L., Chelsea, London, and R. Stansfield, Teddington, England, assignors to International Standard Electric Corporation, New York, N. Y. Apparatus for obtaining indications of the pressure and/or variation of pressure in the cylinders of internal combustion engines. 2,256,307; Sept. 16.

Beatty, William A., Sidcup, Kent, England, assignor to International Standard Electric Corporation, New York, N. Y. Pulse modulation system. 2,256,336; Sept. 16.

Becker, Oskar W., Heidelberg, and E. Weiss, Weinheim, Germany. Drying artificial gut produced from animal fibrous material. 2,256,040; Sept. 16.

Becker, Stephen P., Poughkeepsie, N. Y. Dead end anchor. 2,255,961; Sept. 16.

Beers, Lowell C., assignor to Lane-Wells Company, Los Angeles, Calif. Multiple record electrologging of wells. 2,255,754; Sept. 16.

Begley, James A., Maniwaki, Quebec, Canada. Snowplow. 2,256,273; Sept. 16.

Bell, Angus S., Spondon, near Derby, England, assignor to Celanese Corporation of America. Production of composite yarns. 2,255,755; Sept. 16.

Bell, Frank S., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Lubricating system. 2,256,041; Sept. 16.

Benbow, Burtis W., Benbow Calif. Traveling electrical contactor. 2,255,874; Sept. 16.

Bender, John H., Los Angeles, Calif. Camber adjusting device. 2,256,231; Sept. 16.

Benedek, Elek, Mount Gilead, Ohio. Pump and motor. 2,255,962; Sept. 16.

Benedek, Elek K., Bucyrus, Ohio. Hydraulic transmission. 2,255,963; Sept. 16.

Bennett, Ralph S., Pittsfield, Mass., assignor to General Electric Company. Electric cutout with lightning protection. 2,256,232; Sept. 16.

Beronius, Harry V. (See Jardine, A. D., and Beronius.)

Berren, Maurice M., Providence, R. I. Detachable device for airing clothes. 2,256,188; Sept. 16.

Berthold, Hans, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Differential condenser circuits. 2,256,233; Sept. 16.

Best, Frank E., Indianapolis, Ind. Airplane wing and fuselage. 2,256,234; Sept. 16.

Biegen, John M., Great Neck, N. Y. Folding stepladder. 2,255,756; Sept. 16.

Bierwirth, Rudolph A., Haddon Heights, N. J., assignor to Radio Corporation of America. Audio frequency amplifier. 2,255,757; Sept. 16.

Bigelow-Sanford Carpet Co. Inc. (See Knowland, Richard G., assignor.)

Bilhuber, E., Corporation. (See Klavehn, W., and Wolf, assignors.)

Bixby, Leo A., and R. Lapsley, Berrien Springs assignors to Clark Equipment Company, Buchanan, Mich. Synchronizing means. 2,256,308; Sept. 16.

Blackhawk Mfg. Co. (See Pfauser, Edward M., assignor.)

Blackhawk Mfg. Co. (See Schultz, Edward H., assignor.)

Blaho, Rudolph, assignor to Metal Fittings, Inc., Cleveland, Ohio. Bushing or ring, making same, and mounting therefor. 2,255,964; Sept. 16.

Blair, Walter, assignor of one-fourth to C. L. Brown, Detroit, Mich. Automatic tool. 2,256,012; Sept. 16.

Blaisdell, Carl N., Somerville, assignor to W. M. Bass, Lynn, Mass. Clothes drier. 2,256,109; Sept. 16.

Blake, Robert P., Cambridge, Mass., assignor, by mesne assignments, to Polaroid Corporation, Dover, Del. Transferring light-polarizing films from one support to another. 2,256,108; Sept. 16.

Boedecker, Friedrich, Dehlem, near Berlin, and A. Heymons, Mariendorf, near Berlin, assignors to J. D. Riedel-E. de Haen A. G., Britz, near Berlin, Germany. Salicylic acid sulphonyl sulphanilamides. 2,256,274; Sept. 16.

Boettle, Max. (See Schlipp, L., and Boettle.)

Bögemann, Max, Cologne-Mulheim O. Bayer and R. Schröter, Leverkusen, Rhine, and Hans Pohle, Cologne-Mulheim, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Antioxidant for rubber. 2,256,189; Sept. 16.

Boland, Albert J., St. Louis, Mo. Enameling furnace. 2,256,275; Sept. 16.

Bomar William P., Fort Worth, Tex. Industrial lift truck. 2,256,453; Sept. 16.

Bomar, William P., Fort Worth, Tex. Industrial lift truck. 2,256,454; Sept. 16.

Bonsall, Charles D., Pittsburgh, assignor to Standard Railway Equipment Manufacturing Company, New Kensington, Pa. Car roof. 2,256,309; Sept. 16.

Bonsall, Charles D., Pittsburgh, Pa., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Insulated car wall. 2,256,375; Sept. 16.

Bonsall, Charles D., Pittsburgh, Pa., assignor to Standard Railway Devices Company. Refrigerator car structure. 2,256,376; Sept. 16.

Bonsall, Charles D., Chicago, Ill., assignor, by mesne assignments, to Standard Railway Devices Company. Refrigerator car. 2,256,377; Sept. 16.

Bonsall, Charles D., Chicago, Ill., assignor to Standard Railway Devices Company. Refrigerator car. 2,256,378; Sept. 16.

Boone, John S., and J. L. Caldwell, Chapel Hill N. C. Self-loading attachment for vehicle dump bodies. 2,256,042; Sept. 16.

Boor, Vladimir J., Scotch Plains, N. J., and A. J. Bradford, Grosse Pointe Farms, assignors to Jam Handy Picture Service, Inc., Detroit, Mich. Portable sound and picture reproducing apparatus. 2,256,337; Sept. 16.

Borchardt, Philipp, Solln, near Munich, assignor to Gesellschaft für Linde's Eismaschinen A. G., Hoellriegelskreuth, near Munich, Germany. Separation of air by liquefaction and rectification. 2,256,421; Sept. 16.

Bornay, Raymond E. H., Maisons-Lafitte, France. Crusher and like apparatus. 2,256,134; Sept. 16.

Bowdil Company, The. (See Morrow, Harry M., assignor.)

Bower, Byron F., assignor to The Howell Company, St. Charles, Ill. Coal spreader unit. 2,255,841; Sept. 16.

Bowman, Jacob W., assignor, by mesne assignments, to William Steell Jackson and Son, Philadelphia, Pa. Handling chewing gum. 2,256,190; Sept. 16.

Brackett, Clare L. (See Stoll, Albert, assignor.)

Bradford, Arthur J. (See Boor, V. J., and Bradford.)

Bradley Washfountain Company. (See Mullett, Howard G., assignor.)

Brailsford, Joseph D., London, England, assignor to Radio Corporation of America. Automatic frequency control. 2,255,746; Sept. 16.

Braley, William L., and M. L. Hildebrand, Springfield, Ohio, assignors to Oliver Farm Equipment Company. Hitch for trailer vehicles or implements. 2,256,310; Sept. 16.

Brandon, A. H., guardian. (See Brandon, Richard E.)

Brandon, Richard E., Los Angeles Calif., a minor; A. H. Brandon, guardian, assignor, by mesne assignments, to George Pepperdine Foundation. Vibratory shut-off valve. 2,255,965; Sept. 16.

Brass Goods Manufacturing Co. (See Maloney, Frank H., assignor.)

Brassert, H. A., & Company. (See Thomson, Thomas, assignor.)

Braun, Josef. (See Schatz, A., Braun, and Helm.)

Brayer, Edward H. Buffalo, N. Y. Bituminous paving composition mixing apparatus. 2,256,422; Sept. 16.

Breedlove, Charles B., Detroit, Mich. Method and apparatus for molding concrete pipe. 2,256,235; Sept. 16.

Brennan, Joseph B., Cleveland, Ohio. Forming mold patterns. 2,256,338; Sept. 16.

Bressler, Max. (See Spencer, Milton, assignor.)

Brett, George F., Chelmsford, England assignor to Radio Corporation of America. Electron beam tube. 2,256,311; Sept. 16.

Brewster Aeronautical Corporation. (See Eddy, Edwyn A., assignor.)

Bridwell, John H., Wichita Falls, Tex. Vending machine. 2,255,842; Sept. 16.

Bright, Thomas J. R., Coventry, England. Draft excluding means. 2,256,276; Sept. 16.

Bristol, George W., New York, N. Y. Flexible spring cushion. 2,256,236; Sept. 16.

Britton, Edgar C. and W. J. Le Fevre, assignors to The Dow Chemical Company, Midland, Mich. Making polymerized vinyl aromatic articles. 2,256,160; Sept. 16.

Broden, Martin F., Montreal, Quebec, Canada. Lubricator. 2,256,237; Sept. 16.

Broschke, Heinrich. (See Leitz, L., and Broschke.)

Brouse, William H. D., Toronto, Ontario, Canada. Refrigerator cabinet frame construction. 2,256,013; Sept. 16.

Brown, Charles L. (See Blair, Walter, assignor.)

Brown, Chester W. (See Steinmayer, A. G., and Brown.)

Brown Instrument Company, The. (See Wills, Walter P., assignor.)

Brown, Theophilus, assignor to Deere & Company, Moline, Ill. Safety control device. 2,256,238; Sept. 16.

Brück, Lothar, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Audio amplifier volume control circuit. 2,256,071; Sept. 16.

Brück, Lothar, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Tone control circuit. 2,256,072; Sept. 16.

Burke, William O., assignor to National Lock Co., Rockford, Ill. Refrigerator latch. 2,256,447; Sept. 12.

Burnison, George C., Portland, Oreg. Grade crossing guard. 2,255,911; Sept. 16.

Bush, Albert A., deceased, by the Firestone Park Trust and Savings Bank, executor, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tire construction. 2,255,994; Sept. 16.

Buxton, Loran O., Harrison, N. J., and E. J. Simons, New York, N. Y., assignors to National Oil Products Company, Harrison, N. J. Refining vitaminiferous oil. 2,255,875; Sept. 16.

Byron Jackson Co. (See Mayer, Waldemar F., assignor.)

Caldwell, Bascom H., Jr., Schenectady, N. Y., assignor to General Electric Company. Dynamoelectric machine. 2,256,239; Sept. 16.

Caldwell, John L. (See Boone, J. S., and Caldwell.)

Call, Benjamin G., Tacoma, Wash., assignor to American Smelting and Refining Company, New York, N. Y. Transport truck. 2,255,758; Sept. 16.

Canetta, John, Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Rail sanding apparatus. 2,256,289; Sept. 16.

Cape, Arthur T., Santa Cruz, Calif., and C. V. Foerster, assignors to Coast Metals, Inc., Canton, Ohio. Ferrous alloy. 2,256,135; Sept. 16.

Cape, Arthur T., Santa Cruz, Calif., and C. V. Foerster, Canton, Ohio, assignors to Coast Metals, Inc. Ferrous alloy. 2,256,136; Sept. 16.

Cape, Arthur T., Santa Cruz, Calif., and C. V. Foerster, assignors to Coast Metals, Inc., Canton, Ohio. Ferrous alloy. 2,256,137; Sept. 16.

Cape, Arthur T., Santa Cruz, Calif., and C. V. Foerster, assignor to Coast Metals, Inc., Canton, Ohio. Ferrous alloy. 2,256,138; Sept. 16.

Carlson, Wendell L., Haddonfield, N. J., assignor to Radio Corporation of America. Variable selectivity device. 2,256,073; Sept. 16.

Carmody, Don R., Whiting, Ind., and A. G. Oblad, assignors to Standard Oil Company, Chicago, Ill. Hydrocarbon conversion. 2,255,843; Sept. 16.

Carnegie-Illinois Steel Corporation. (See Quigley, Winfred M., assignor.)

Carpenter, Howard H., South Pasadena, Calif. Electric heating appliance. 2,255,759; Sept. 16.

Carroll, Fred H., Jacksonville, Fla. Exhaust and suction nozzle. 2,255,760; Sept. 16.

Carroll, Stewart J. (See Farrow, E. S., and Carroll.)

Carver, Horace N., Wichita, Kans. Signaling device. 2,256,014; Sept. 16.

Carver, Horace N., Wichita, Kans. Signaling device. 2,256,015; Sept. 16.

Casellini, Ezio T., assignor to Hygrade Sylvania Corporation, Salem, Mass. Luminescent coating for electric lamps. 2,255,761; Sept. 16.

Celanese Corporation of America. (See Bell, Angus S., assignor.)

Cerveny, Albina, Highland Park, Mich. Brake indicator. 2,256,371; Sept. 16.

Chabon, Martin, New York, N. Y. Drafting board holder. 2,256,372; Sept. 16.

Chaffin, Paul, assignor to J. H. Hoppes, Washington Court House, Ohio. Traction wheel and cleat therefor. 2,256,379; Sept. 16.

Champion, William J., Berwyn, assignor to Ditto, Incorporated, Chicago, Ill. Hectograph blanket having a copy mass containing a small percentage of glycol type or sorbitol type solvent. 2,255,912; Sept. 16.

Chapman, Raymond J., Orange Township, Noble County, Ind. Rail splice clamp. 2,256,192; Sept. 16.

Chicago Metal Hose Corporation. (See Farrar, J. F. P., and Johnson, assignors.)

Chicago Metal Hose Corporation. (See Fentress, David W., assignor.)

Churchill, Wilmer H., Sangus, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Bumper clip and installation thereof. 2,255,966; Sept. 16.

Clark Equipment Company. (See Bixby, L. A., and Lapsley, assignors.)

Clark Equipment Company. (See Dunham, Elmer J., assignor.)

Clark Equipment Company. (See Lapsley, Robert, assignor.)

Clarke, Louis A. (See Goldsby, A. R., Pevere, Clarke, and Hatch.)

Clemons, Ezra J., Los Angeles, Calif. Milk can or container. 2,256,240; Sept. 16.

Clerc, Leonard F., Chicago, Ill. Refrigerated container. 2,256,110; Sept. 16.

Clewell, Dayton H., and H. A. Maeder, Dallas, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Gravity meter. 2,255,876; Sept. 16.

Clopay Corporation. (See Stark, John S., assignor.)

Clopay Corporation. (See Ziegler, Albert F., assignor.)

Coast Metals, Inc. (See Cape, A. T., and Foerster, assignors.)

Cobb, Leland D., Forestville, Conn., assignor to General Motors Corporation, Detroit, Mich. Top roll. 2,256,193; Sept. 16.

Coggins, James B., Meriden, Conn. Toilet seat hinge. 2,255,913; Sept. 16.

Coghlan, Jacob W., Walsenburg, Colo. Saw clamp and file guide. 2,256,016; Sept. 16.

Cohen, Morris, Washington, D. C. Skirt display form. 2,256,043; Sept. 16.

Coldwell, Raymond D. (See Freydberg, E., McCullough, and Coldwell.)

Coles, Leon M., Port Chester, N. Y. Hair trimming attachment for electric razors. 2,256,076; Sept. 16.

Collier, Robert E. (See Dyer, Horace G., assignor.)

Collins, John W., Toronto, Ontario, Canada, assignor to The Trane Company, La Crosse, Wis. Combined heat exchange and domestic water supply system. 2,255,967; Sept. 16.

Colonial Broach Company. (See Welte, Benedict, assignor.)

Colonial Radio Corporation. (See Cutting, F., and Wiley, assignors.)

Columbus Metal Products Inc. (See Donley, H. B., and Johnson, assignors.)

Columbus Metal Products, Inc. (See Huston, M. D., and Gilmore, assignors.)

Compo Shoe Machinery Corporation. (See Smith, John F., assignor.)

Consolidated Cover Co. (See Feurt, Donald M., assignor.)

Continental Can Company. (See Dukehart, Morton M., Jr., assignor.)

Continental Can Company. (See Haycock, John, assignor.)

Copeland, Luther W., Como, Miss. Match container and dispenser. 2,256,044; Sept. 16.

Corning Glass Works. (See McLachlan, Dan, Jr., assignor.)

Cosgrove, Rex P., assignor to Plaskon Company, Incorporated, Toledo, Ohio. Plasticizer. 2,255,995; Sept. 16.

Craig, John W., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,256,139; Sept. 16.

Cramer, William E. (See Orth, H. S., Oberst, and Cramer.)

Crane, Hubert R., Los Angeles, Calif. Pipe scraping train. 2,255,914; Sept. 16.

Crawford, Richard A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Improving the adhesion of rubber to cotton. 2,256,194; Sept. 16.

Crawford, Thomas J., Youngstown, assignor to Republic Steel Corporation, Cleveland, Ohio. Oil well casing. 2,256,455; Sept. 16.

Crebbs, Earl R., San Francisco, Calif. Locking dispenser for packaged sheet material. 2,256,074; Sept. 16.

Cregier, John E., Chappaqua, N. Y. Clutch mechanism for V-belt drives. 2,256,312; Sept. 16.

Crewdson, Henry, West Chester, assignor to American Viscose Corporation, Marcus Hook, Pa. Pump. 2,256,423; Sept. 16.

Critoph, David I., and W. H. Popp, assignors to Spencer Lens Company, Buffalo, N. Y. Projector. 2,256,424; Sept. 16.

Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Frequency modulation receiver. 2,256,077; Sept. 16.

Crosby, Murray G., Riverhead, and H. Tunick, Rye, N. Y., assignors to Radio Corporation of America. Frequency modulation detector. 2,256,078; Sept. 16.

Crown Cork & Seal Company. (See Bell, Frank S., assignor.)

Crown Cork & Seal Company. (See Stewart, Robert J., assignor.)

Crumrine, Chester W., assignor to Eastman Kodak Company, Rochester, N. Y. Focusing camera. 2,256,373; Sept. 16.

Cull, Dennis T., Chicago, assignor to O. P. Fox, Oak Park, Ill. Container. 2,256,111; Sept. 16.

Cummings, William W., Jr., Marshfield, Mass. Humidifying air. 2,256,374; Sept. 16.

Curran, Maurice D., St. Louis County, Mo. Coal treatment. 2,256,017; Sept. 16.

Custer, John, Detroit, Mich. Hydraulic clutch. 2,256,018; Sept. 16.

Cutting, Fulton, and V. Wiley, assignors to Colonial Radio Corporation, Buffalo, N. Y. Selector and image rejector circuit. 2,256,277; Sept. 16.

Dahms, Albert. (See Hüber, M., and Dahms.)

Daimler-Benz Aktiengesellschaft. (See Wagner, Max, assignor.)

D'Alello, Gaetano F., Pittsfield, Mass., assignor to General Electric Company. Plasticized aminoplast. 2,256,278; Sept. 16.

Dalén, Gustaf, and G. K. V. Johanson, Lidingo, assignors to Svenskn Aktiebolaget Gasaccumulator, Stockholm, Sweden. Draft regulator. 2,255,877; Sept. 16.

Dalimata, John M., Chester, Mont. Weeder attachment. 2,256,140; Sept. 16.

Damiano, Frank, Newburgh, N. Y. Laundry apparatus. 2,256,425; Sept. 16.

Damien, René, Paris, assignor to Societe Anonymes des Tubes de Valenciennes et Denain, Valenciennes, France. Manufacturing tubes. 2,256,426; Sept. 16.

Dane, Preston, Poteau, Okla., E. H. McCulloch, Fort Smith, Ark., and S. Smedley, Poteau, Okla. Coal sizing apparatus. 2,256,141; Sept. 16.

Dargitz, Kenneth, Mount Pleasant, Mich. Catch basin cleaning device. 2,256,045; Sept. 16.

Davol Rubber Company. (See Hanna, Ezra L., assignor.)

Dean, Marvin E., Collinsville, Ill. Vehicle flag support. 2,256,142; Sept. 16.

Deere & Company. (See Brown, Theophilus, assignor.)

De Kramolin, Leon L., Berlin-Kladow, Germany. Tuning arrangement. 2,255,915; Sept. 16.

De Lisle, Harold L., Sheboygan, Wis. Parallel straightedge device. 2,256,241; Sept. 16.

Denham, J. Fred, et al. (See Shuler, Harry V., assignor.)

Dentists' Supply Company of New York, The. (See Lee, Pyungtoo W., assignor.)

Detroit Harvester Company. (See Simpson, Howard W., assignor.)

Devoe & Raynolds Co. (See Rheineck, A. E., and Long, assignors.)

Dexter, Carl J., La Fayette, Ind. Roofing anchor strip. 2,256,313; Sept. 16.

D'Humy, Fernand E. (See Wise, R. J., Ridings, O'Brien, and d'Humy.)

Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. Yarn conditioning process and composition therefor. 2,256,112; Sept. 16.

Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. Yarn conditioning. 2,256,380; Sept. 16.

Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. Yarn conditioning process and compositions therefor. 2,256,381; Sept. 16.
Dickey, Joseph B. (See McNally, J. G., and Dickey.)
Dieck, Walter, Erfurt-Hochheim, Germany. Ribbon actuating mechanism. 2,256,256; Sept. 16.
Dietert, Harry W., Detroit, Mich., assignor to Peerpatco Incorporated. Foundry composition. 2,256,046; Sept. 16.
Dietert, Harry W., Detroit, Mich., assignor to Peerpatco Incorporated. Foundry composition. 2,256,047; Sept. 16.
Dietert, Harry W., Detroit, Mich., assignor to Peerpatco Incorporated. Foundry composition. 2,256,456; Sept. 16.
Dilley, Morris M., assignor to Associated Manufacturers' Agency, Inc., Louisville, Ky. Crossing gate lock. 2,255,878; Sept. 16.
Dinsl, Richard W., Westfield, assignor to The Watson-Stillman Co., Roselle, N. J. Swash plate mechanism. 2,256,079; Sept. 16.
Distillation Products, Inc. (See Hickman, Kenneth C. D., assignor.)
Ditto, Incorporated. (See Champion, William J., assignor.)
Dixie-Vortex Company. (See Labombarde, Harold S., assignor.)
Dodge, Adiel Y., Rockford, Ill. Constant velocity universal joint. 2,255,762; Sept. 16.
Dodge, Ralph L., Syracuse, and F. F. Adkinson, De Witt, assignors to New Process Gear Corporation, Syracuse, N. Y. Gear setting gauge. 2,255,996; Sept. 16.
Doelling, George L., St. Louis, Mo. Ethers of glycerol. 2,255,916; Sept. 16.
Dole, Paul D., assignor of one-half to E. H. Kruse, Fort Wayne, Ind. Surgical ligature applicator. 2,256,382; Sept. 16.
Donley, Harold B., and S. Johnson, assignors to Columbus Metal Products Inc., Columbus, Ohio. Automatic air shutter for oil burners. 2,255,917; Sept. 16.
Doran, Wilbur J. (See Shonle, H. A., and Doran.)
Dortort, Isadore K., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electric current converting system. 2,256,383; Sept. 16.
Doughman, Ferman C., Stamford, Conn., assignor to Electrolux Corporation, New York, N. Y. Electric connector. 2,255,763; Sept. 16.
Douglas, H. A., Mfg. Co. (See Douglas, Harry A., assignor.)
Douglas, H. A., Mfg. Co. (See Schmid, William, assignor.)
Douglas, Harry A., assignor to H. A. Douglas Mfg. Co., Bronson, Mich. Hand swaging tool. 2,256,457; Sept. 16.
Douglas & Lomason Company. (See Wisckol, William A., assignor.)
Dow Chemical Company, The. (See Britton, E. C., and Le Fevre, assignors.)
Dow Chemical Company, The. (See Hanawalt, J. D., and Peake, assignors.)
Dow Chemical Company, The. (See Nutting, H. S., and Petrie, assignors.)
Downs, Harold R., Tulsa, Okla. Well pump. 2,255,918; Sept. 16.
Drachenberg, Richard E., Grosse Pointe, Mich. Macerator and juice extractor. 2,255,764; Sept. 16.
Dreyer, Hans, Falkensee, near Berlin, and S. Kraatz, Berlin-Waidmannslust, assignors to Fides Gesellschaft für die Verwaltung und Verwertung von Gewerblichen Schutzrechten m. b. H. Berlin, Germany. Telephone system. 2,255,765; Sept. 16.
Dreyfus, Henry, London, England. Treatment of artificial textile materials. 2,255,766; Sept. 16.
Du Coe, Raphael, Sonora, Calif. Connecting rod. 2,256,075; Sept. 16.
Dukehart, Morton M., Jr., New Rochelle, assignor to Continental Can Company, Inc., New York, N. Y. Container. 2,256,257; Sept. 16.
Dumur, Frank. (See Leitz, L., and Broschke, assignors.)
Dumur, Frank. (See Wagner, A., and Mai, assignors.)
Dunham, Elmer J., Battle Creek, assignor to Clark Equipment Company, Buchanan, Mich. Industrial truck. 2,256,314; Sept. 16.
Dunham, Elmer J., Battle Creek, assignor to Clark Equipment Company, Buchanan, Mich. Lift truck. 2,256,315; Sept. 16.
Dunlavy, Mabel F., Potter, Nebr. Hair swirler. 2,256,143; Sept. 16.
Dunner, Max, Brooklyn, N. Y. Hair curler. 2,255,968; Sept. 16.
Duplex, Inc. (See Jessup, James B., assignor.)
Du Pont, E. I., de Nemours & Company. (See Filbert, William F., assignor.)
Du Pont, E. I., de Nemours & Company. (See Rosenberg, H. R., and Parsons, assignors.)
Du Pont, E. I., de Nemours & Company. (See Woodhouse, John C., assignor.)
Durite Plastics, Incorporated. (See Novotny, E. E., and Vogelsang, assignors.)
Duro Metal Products Company. (See Hedgpeth, Theron L., assignor.)
Dwyer, William M., assignor to W. H. Miner, Inc., Chicago, Ill. Door fastener. 2,255,919; Sept. 16.
Dyer, Horace G., assignor to R. E. Collier, Fort Worth, Tex. Attachment for cultivators and the like. 2,256,384; Sept. 16.
E. A. Laboratories, Inc. (See Meyerhoefer, Carl E., assignor.)
Earp, Charles W., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Carrier wave transmission system. 2,256,317; Sept. 16.
Eastman Kodak Company. (See Crumrine, Chester W., assignor.)
Eastman Kodak Company. (See Dickey, Joseph B., assignor.)
Eastman Kodak Company. (See Evans, R. M., and Luboshez, assignors.)
Eastman Kodak Company. (See Farrow, E. S., and Carroll, assignors.)
Eastman Kodak Company. (See Hewitson, Edward, assignor.)
Eastman Kodak Company. (See Hiatt, Gordon D., assignor.)
Eastman Kodak Company. (See Luboshez, Benjamin E., assignor.)
Eastman Kodak Company. (See MacHarg, John B., assignor.)
Eastman Kodak Company. (See McLeod, J. H., and Sandvik, assignors.)
Eastman Kodak Company. (See McNally, J. G., and Dickey, assignors.)
Eastman Kodak Company. (See Riddell, William A., assignor.)
Eastman Kodak Company. (See Riddell, William A., assignor.)
Eastman Kodak Company. (See Russell, M. E., and Jones, assignors.)
Eddy, Edgar D., assignor to Eddy Seed Cleaners, Limited, Toronto, Ontario, Canada. Seed cleaner. 2,256,316; Sept. 16.
Eddy, Edwyn A., Stewart Manor, assignor to Brewster Aeronautical Corporation, Long Island City, N. Y. Aircraft engine cowling. 2,256,448; Sept. 16.
Eddy Seed Cleaners, Limited. (See Eddy, Edgar D., assignor.)
Edelmann, E., & Co. (See Andresen, Hilmar A., assignor.)
Eden, Harold W., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Thermohydrometer. 2,256,019; Sept. 16.
Edison, Thomas A., Incorporated. (See Somers, R. M., and Jacobs, assignors.)
Edwards, Martin A., and H. W. Lord, Schenectady, N. Y., assignors to General Electric Company. Gaseous electric discharge apparatus. 2,256,242; Sept. 16.
Edwards, Russell W., Los Angeles, Calif. Fastening device. 2,256,243; Sept. 16.
Elastic Stop Nut Corporation. (See Swanstrom, Carl A., assignor.)
Electric & Musical Industries Limited. (See Lubszynski, Hans G., assignor.)
Electro Manufacturing Co. (See Roesler, Frank J., assignor.)
Electrolux Corporation. (See Doughman, Ferman C., assignor.)
Encor Corporation. (See Ziegler, Robert R., assignor.)
Engel, John B., assignor to Bay West Paper Company, Green Bay, Wis. Dispenser for paper articles. 2,256,020; Sept. 16.
Engelhard, Charles, Inc. (See Laub, Hans, assignor.)
Engler, James W., Atlanta, Ga. Spectacle mounting. 2,255,767; Sept. 16.
Englesson, John E., Kristinehamn, Sweden. Ship propeller having rotatable blades. 2,255,920; Sept. 16.
Erson, Erik G., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake control means. 2,256,284; Sept. 16.
Evans, Ralph M., and B. E. Luboshez, assignors to Eastman Kodak Company, Rochester, N. Y. Projection printer. 2,256,385; Sept. 16.
Evans, Samuel J., Princeton, W. Va. Animal trap. 2,256,048; Sept. 16.
Excell Manufacturing Company. (See Kuehner, Wilhelm, assignor.)
Eweryd, Knut K. H., and T. A. Ödman, Karlskrona, and L. A. Widing, Stockholm, assignors to Aktiebolaget Götaverken, Gothenberg, Sweden. Oil burner. 2,256,080; Sept. 16.
Fahringer, Stewart F. (See Porter, H. B., and Fahringer.)
Fairbanks, Morse & Co. (See Hadley, Harlan A., assignor.)
Fairbanks, Morse & Co. (See Williams, Robert D., assignor.)
Fallert, Clifford D., assignor to Gaylord Container Corporation, St. Louis, Mo. Display cabinet. 2,256,339; Sept. 16.
Faries Manufacturing Company. (See Hansen, Christen, assignor.)
Farley, Francis S., Westfield, assignor to The Watson-Stillman Co., Roselle, N. J. Mold-charging apparatus. 2,256,081; Sept. 16.
Farmer, Clyde C., Pittsburgh, and E. E. Hewitt, Edgewood, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Retaining valve device. 2,256,279; Sept. 16.

Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Locomotive brake control. 2,256,280; Sept. 16.
Farrar, John F. P., Barrington, and A. F. Johnson, Chicago, assignors to Chicago Metal Hose Corporation, Maywood, Ill. Hose construction. 2,256,386; Sept. 16.
Farrow, Edward S., and S. J. Carroll, assignors, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Preparing cellulose acetate films. 2,256,387; Sept. 16.
Fear, Chester A., Long Beach, Calif. Pipe joint tester. 2,255,921; Sept. 16.
Fedders Manufacturing Company. (See Morck, Knut H., assignor.)
Federighi, George. (See Linane, L. L., and Federighi.)
Fentress, David W., Hubbard Woods, assignor to Chicago Metal Hose Corporation, Maywood, Ill. Flexible tubing connection. 2,256,388; Sept. 16.
Feurt, Donald M., assignor to Consolidatede Cover Co., San Francisco, Calif. Paper converting machine. 2,256,082; Sept. 16.
Fibreboard Products Inc. (See Anderson, Nels A., assignor.)
Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten m. b. H. (See Dreyer, H., and Kraatz, assignors.)
"Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung." (See v. Borries, B., and Ruska, assignors.)
Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung. (See Rotcheidt, Wilhelm, assignor.)
"Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung." (See Ruska, Helmut, assignor.)
Filbert, William F., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of dinitro-ortho-cresol. 2,256,195; Sept. 16.
Filbert, William F., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Purification of diphenylamine. 2,256,196; Sept. 16.
Finger, Paul E., New Kensington, Pa., assignor, by mesne assignments, to Standard Railway Devices Company. Refrigerator car. 2,256,197; Sept. 16.
Finley, Sam E., Atlanta, Ga. Apparatus for preparing bituminous cement aggregate compositions. 2,256,281; Sept. 16.
Finston, Victor, assignor to The Meaker Company, Chicago, Ill. Return-type fast transfer machine. 2,255,922; Sept. 16.
Firestone Park Trust and Savings Bank, The, executor. (See Bush, Albert A.)
Firestone Tire & Rubber Company, The. (See Bush, Albert A., assignor.)
Fitchett, Thomas S., assignor to F. X. Hooper Company, Glen Arm, Md. Printer slotter, combined pull roll, and gate control. 2,256,244; Sept. 16.
Flickinger, John J., Massillon, assignor of one-tenth to R. O. Morgan, Orrville, Ohio. Clutch. 2,256,258; Sept. 16.
Foerster, Charles V. (See Cape, A. T., and Foerster.)
Folkman, Robert A., assignor to Hugh Grey Hosiery Company, Concord, N. C. Footer bar for full fashioned hosiery machines. 2,255,768; Sept. 16.
Ford Instrument Company. (See Ross, Elliott P., assignor.)
Ford Motor Company. (See Gregorie, Eugene T., assignor.)
Forsyth, Harry, Prosser, Wash. Poultry roost. 2,256,259; Sept. 16.
Fort Howard Paper Company. (See Shaffer, Glenn A., assignor.)
Foster Engineering Co. (See Wentworth, Harry T., assignor.)
Foster Wheeler Corporation. (See Larsen, James M., assignor.)
Fowler, George L., Arlington, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Fastener assembly. 2,255,970; Sept. 16.
Fox, Orville P. (See Cull, Dennis T., assignor.)
Franco-Ferreira, Edgard C., Chicago, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Heat exchanger. 2,255,969; Sept. 16.
Franklin Process Company. (See Traver, W. A., and Wood, assignors.)
Freudenberg, Carl. (See Nottebohm, Carl L., assignor.)
Freydberg Bros., Inc. (See Freydberg, E., McCullough, and Coldwell, assignors.)
Freydberg, Eli, New York, J. F. McCullough, New Rochelle, and R. D. Coldwell, assignors to Freydberg Bros., Inc., New York, N. Y. Electrical conductor coated with separator strip and manufacture. 2,255,871; Sept. 16.
Fricke, Hans, assignor to Ernst Leitz, G. m. b. H., Wetzlar, Germany. Microscope. 2,256,245; Sept. 16.
Fruehauf Trailer Company. (See Reid, Frederick M., assignor.)
Fuller, John D., et al. (See Harvard, Jack, assignor.)
Furry, John F., Galesburg, and A. D. Ames, Lake Bracken, assignors to Outboard, Marine and Manufacturing Company, Waukegan, Ill. Freezing apparatus. 2,256,021; Sept. 16.
Gabriel, William A., Oakland, Calif., assignor to Sanitary Vending Company. Dispensing mechanism. 2,256,022; Sept. 16.
Gagnier, George E. (See Place, Bion C., assignor.)
Galanti, Valentino, Mondaino, Forli, Italy. Accordion. 2,256,260; Sept. 16.
Gallagher, Daniel, and F. W. Riverman, Portland, Oreg. Overhead door. 2,255,769; Sept. 16.
Gallup, George B., Bradenton, Fla., assignor of one-half to W. B. Joanson, Charlotte, N. C. Heater. 2,256,049; Sept. 16.
Garlock Packing Company, The. (See Hubbard, Cecil R., assignor.)
Garner, Lloyd P. (See Smith, P. T., and Garner.)
Garvey, Edward S., Clayton, assignor to Garvey Fountain Brush & Ink Co., St. Louis, Mo. Valve device for fountain brushes. 2,255,879; Sept. 16.
Garvey Fountain Brush & Ink Co. (See Garvey, Edward S., assignor.)
Gas Light & Coke Company, The. (See Hay, Shephen, assignor.)
Gaylord Container Corporation. (See Fallert, Clifford D., assignor.)
Gear Grinding Machine Company. (See Lovenston, Hans J., assignor.)
Gear Grinding Machine Company. (See Ward, Frederick A., assignor.)
Geibel, John F., assignor to Master Metal Products, Inc., Buffalo, N. Y. Welding apparatus. 2,256,246; Sept. 16.
General Aniline & Film Corporation. (See Balle, G., and Horst, assignors.)
General Aniline & Film Corporation. (See Bögemann, M., Bayer, Schröter, and Pohle, assignors.)
General Aniline & Film Corporation. (See Kumetat, K., and Wilmanns, assignors.)
General Electric Company. (See Bennett, Ralph S., assignor.)
General Electric Company. (See Caldwell, Bascom H., Jr., assignor.)
General Electric Company. (See D'Alelio, Gaetano F., assignor.)
General Electric Company. (See Edwards, M. A., and Lord, assignors.)
General Electric Company. (See Harris, N. L., and Kirkness, assignors.)
General Electric Company. (See Hayward, Claude D., assignor.)
General Electric Company. (See Knight, James L., assignor.)
General Electric Company. (See Levoy, Louis G., Jr., assignor.)
General Electric Company. (See Minneci, Salvatore, assignor.)
General Electric Company. (See Mode, Douglas E., assignor.)
General Electric Company. (See Seaver, John D., assignor.)
General Electric Company. (See Smith, Arthur R., assignor.)
General Electric Company. (See Thayer, Richard N., assignor.)
General Electric Company. (See Thompson, Louis W., assignor.)
General Electric X-Ray Corporation. (See Atlee, Z. J., and Wilson, assignors.)
General Motors Corporation. (See Cobb, Leland D., assignor.)
General Motors Corporation. (See Craig, John W., assignor.)
General Motors Corporation. (See Smith, Nelson J., assignor.)
Gentil, Henri L., assignor to Societe d'Electrochimie, d'Electrometallurgie et des Acieries Electriques d'Ugine, Paris, France. Metallurgical furnace. 2,255,844; Sept. 16.
George, Anthony, Cincinnati, Ohio, assignor to The Lithographic Technical Foundation, Inc., New York, N. Y. Removing images from planographic plates. 2,256,449; Sept. 16.
George, Ralph W., Riverhead, N. Y., assignor to Radio Corporation of America. Automatic frequency control system for braking-field oscillators. 2,256,083; Sept. 16.
Gesellschaft für Linde's Eismaschinen A. C. (See Borchardt, Philipp, assignor.)
Gifford, Clayton E., and J. F. Harrison, assignors to The Huber Manufacturing Company, Marion, Ohio. Hydraulic control system. 2,256,144; Sept. 16.
Gilmer, Mathew R. (See Alleman, Allen J., assignor.)
Gilmore, Jackson G. (See Huston, M. D., and Gilmore.)
Girard, André, assignor to Les Laboratories Francais de Chimiotherapie, Paris, France. Preparing azo compounds. 2,256,261; Sept. 16.
Gitt, Harry N., 2d, Hanover, Pa. Welder's hand covering. 2,256,427; Sept. 16.
Glynn, Edwin A., assignor to Super Mold Corporation of California, Lodi, Calif. Retreading mold. 2,255,770; Sept. 16.
Golay, Marcel J. E., Oceanport, N. J. Fluid flow meter. 2,255,771; Sept. 16.
Goldsborough, Shirley L. (See Lenehan, B. E., and Goldsborough.)

Goldsby, Arthur R., and E. F. Pevere, Beacon, L. A. Clarke, Fishkill, and G. B. Hatch, Beacon, assignors to The Texas Company, New York, N. Y. Alkylation of hydrocarbons. 2,256,450; Sept. 16.
Goldwyn Brothers. (See Goldwyn, George I.)
Goldwyn, George I., assignor to G. I. and H. Goldwyn, Chicago, Ill., as copartners doing business under the name of Goldwyn Brothers. Burlap bag. 2,255,845; Sept. 16.
Goldwyn, Herman, et al. (See Goldwyn, George I.)
Good, John N., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Train sanding control device. 2,256,262; Sept. 16.
Goodale, E. Dudley, Flushing, N. Y., assignor to Radio Corporation of America. High frequency coupling circuits. 2,256,085; Sept. 16.
Goodale, E. Dudley, Bayside, Long Island, and R. A. Monfort, St. Albans, N. Y., assignors to Radio Corporation of America. Coupling circuits. 2,256,084; Sept. 16.
Goodrich, B. F., Company, The. (See Crawford, Richard A., assignor.)
Goodrich, B. F., Company, The. (See Hunter, W. H., and Snyder, assignors.)
Goodrich, B. F., Company, The. (See Partridge, Edward G., assignor.)
Goodrich, B. F., Company, The. (See Shank, McConnell, assignor.)
Gora, John J., River Rouge, and E. J. Wyrick, assignors to All Metal Products Company, Wyandotte, Mich. Toy hen. 2,256,340; Sept. 16.
Graham, John S. W., Liverpool, England, assignor to Associated Telephone & Telegraph Company, Chicago, Ill. Telephone system and automatic switch suitable for use therein. 2,255,881; Sept. 16.
Grammer, Samuel K., Houston, Tex. Paper-trimming machine. 2,255,846; Sept. 16.
Gray, Eustace, Auckland, New Zealand. Closure cap for bottles, jars, and the like containers. 2,256,113; Sept. 16.
Green, A. P., Fire Brick Company. (See Offutt, Joseph J., assignor.)
Green, George H., Leicester, England. Producing jack sinkers for straight bar knitting machines. 2,256,428; Sept. 16.
Gregorie, Eugene T., Grosse Ile, assignor to Ford Motor Company, Dearborn, Mich. Door and running board for automobiles. 2,255,880; Sept. 16.
Grey, Hugh, Hosiery Company. (See Folkman, Robert A., assignor.)
Griffith, Charles O., San Diego, Calif. Vehicle drop running board. 2,256,389; Sept. 16.
Griffith-Hope Company. (See Hope, Samuel N., assignor.)
Griscom, Samuel B., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Starting means for synchronous motors. 2,255,923; Sept. 16.
Groehn, Harvey G., Trenton, Mich. Die fixture. 2,256,247; Sept. 16.
Guziel, Alexander A., West Los Angeles, Calif. Combination tool with ignition tester. 2,256,086; Sept. 16.
Hadley, Harlan A., River Edge, N. J., assignor to Fairbanks, Morse & Co., Chicago, Ill. Bearing structure. 2,256,318; Sept. 16.
Haggart, John C., Jr., Westfield, N. J., assignor to Signal Service Corporation. Reflector device. 2,255,748; Sept. 16.
Hahn, Max, Seestadt Rostock, assignor to E. Heinkel, Warnemunde, Germany. Aircraft power plant. 2,256,198; Sept. 16.
Haile, Jack B., Detroit, Mich., assignor to Gar Wood Industries, Inc. Material excavating, loading, transporting and placing machine. 2,256,051; Sept. 16.
Hall, Charles L., Detroit, Mich., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Fastener secured installation. 2,255,971; Sept. 16.
Hall, Otto. (See Sturgel, Silas, assignor.)
Hamilton, Neil, assignor to Nobilitt-Sparks Industries, Inc., Columbus, Ohio. Bottle carrier. 2,256,451; Sept. 16.
Hanawalt, Joseph D., and J. S. Peake, assignors to The Dow Chemical Company, Midland, Mich. Production of light metals. 2,256,161; Sept. 16.
Hanna, Ezra L., North Scituate, R. I., assignor to Davol Rubber Company. Manufacture of rubber goods. 2,255,772; Sept. 16.
Hanneman, Walter M., Oak Park, assignor to Illinois Tool Works, Chicago, Ill. Thread cutting screw. 2,255,997; Sept. 16.
Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Eliminating phase and frequency modulation. 2,256,199; Sept. 16.
Hansen, Christen, assignor to Farlea Manufacturing Company, Decatur, Ill. Lock for telescopic stems. 2,256,248; Sept. 16.
Hansen, Ray C., assignor to M and M Wood Working Company, Portland, Oreg. Building. 2,256,050; Sept. 16.
Harmon, Joseph F., assignor to The Atwood Vacuum Machine Company, Rockford, Ill. Adjustable vehicle seat. 2,256,023; Sept. 16.
Harrigan, Emmett L. (See Morrison, Alan R., assignor.)
Harris, Norman L., and R. H. Kirkness, Wembley, England, assignors to General Electric Company. Electric discharge apparatus. 2,256,249; Sept. 16.
Harris, William A., assignor to The South Carolina National Bank of Charleston, Greenville, S. C., as trustee. Dispensing apparatus. 2,256,282; Sept. 16.
Harrison, John F. (See Gifford, C. E., and Harrison.)
Hartlove, Emory F., Baltimore, Md. Portable brake analyzer. 2,256,250; Sept. 16.
Harvard, Jack, Redondo Beach, assignor of one-half to C. L. M. Irvine, Downey, and five per cent to J. D. Fuller, Santa Cruz, Calif. Garbage receptacle. 2,255,972; Sept. 16.
Hatch, George B. (See Goldsby, A. R., Pevere, Clarke, and Hatch.)
Hathaway, Jarrett L., Manhasset, and W. C. Resides, Jackson Heights, N. Y., assignors to Radio Corporation of America. Radio frequency amplifier. 2,255,882; Sept. 16.
Hawaiian Pineapple Company. (See Wendt, Walter A., assignor.)
Hay, Stephen, assignor to The Gas Light & Coke Company, London, England. Ship's hatch. 2,256,087; Sept. 16.
Haycock, John, Larchmont, assignor to Continental Can Company, Inc., New York, N. Y. Method of and apparatus for forming paper container bodies. 2,256,263; Sept. 16.
Hayward, Claude D., Lansdowne, Pa., assignor to General Electric Company. Device responsive to sudden changes in electric circuits. 2,256,251; Sept. 16.
Hazard, Charles S., New York, and W. L. Marden, Jackson Heights, N. Y., assignors to Neptune Meter Company. Register drive for dispensing pumps. 2,255,883; Sept. 16.
Hazeltine Corporation. (See Wilson, John C., assignor.)
Hedgpeth, Theron L., Oak Park, assignor to Duro Metal Products Company, Chicago, Ill. V-belt. 2,255,884; Sept. 16.
Heer, Ludwig. (See Schilling, H., and Heer.)
Heftler, Paul, Grosse Pointe Park, Mich. Vibrationless power plant. 2,255,773; Sept. 16.
Hegy, Louis, San Jose, Calif. Pneumatic displacement pump. 2,255,924; Sept. 16.
Heilman, Donovan J., Madison, Wis. Watchcase. 2,256,200; Sept. 16.
Heim, Rudolf. (See Schatz, A., Braun, and Heim.)
Heinkel, Ernst. (See Hahn, Max, assignor.)
Heinze Electric Corporation. (See McCusker, Raymond G., assignor.)
Henriquez, Vivian C. (See Tellegen, B. D. H., and Henriquez.)
Herbst, Robert L., assignor of one-half to C. J. Steidl, Hortonville, Wis. Device for securing saws and other appliances to arbors. 2,255,885; Sept. 16.
Herriger, Felix, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Electron tube. 2,256,252; Sept. 16.
Hewitson, Edward, assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Preventing precipitation of alkaline-earth metal salts in gelatin. 2,256,390; Sept. 16.
Hewitt, Ellis E. (See Farmer, C. C., and Hewitt.)
Hewitt, Ellis E., Edgewood, and D. L. McNeal, Wilkinsburg, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 2,256,283; Sept. 16.
Heyer, Don, assignor to U. S. Electrical Motors, Inc., Los Angeles, Calif. Variable speed drive with multiple belts. 2,256,114; Sept. 16.
Heylandt, Christian W. P., Berlin-Britz, Germany. Multistage internal-combustion engine. 2,255,925; Sept. 16.
Heymons, Albrecht. (See Roedecker, F., and Heymons.)
Hiatt, Gordon D., assignor to Eastman Kodak Company, Rochester, N. Y. Preparing oxidized cellulose. 2,256,391; Sept. 16.
Hickman, Kenneth C. D., assignor to Distillation Products, Inc., Rochester, N. Y. Therapeutics. 2,256,392; Sept. 16.
Hickok, Willard, Bloomfield, N. J., assignor to Radio Corporation of America. Photoelectric device and manufacture. 2,256 341; Sept. 16.
Hildebrand, Marshall L. (See Braley, W. L., and Hildebrand, assignors.)
Hill, Irving, Lawrence, Kans. Apparatus for stacking articles. 2,256,024; Sept. 16.
Hilldring, Carl F. (See Robbins, H. C., and Hilldring.)
Hilton, Lamar S. (See Kuzmick, J. N., and Hilton.)
Hines, Claude M., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake control means. 2,256,265; Sept. 16.
Hintze, Rudolf, Berlin-Charlottenburg, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Refrigerating apparatus of the compression type. 2,256,201; Sept. 16.
Hoak, Percy E., Des Moines, Iowa. Laminated railroad crossing. 2,256,025; Sept. 16.
Hobbs, James C., Painesville, Ohio. Separator. 2,256,115; Sept. 16.
Hock, Alvin, Cincinnati, Ohio. Filter. 2,256,145; Sept. 16.
Hofer, Rudolf, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Modulation. 2,256,202; Sept. 16.

Hogan, Edward F., Chicago, Ill. Fish lure. 2,256,088; Sept. 16.
Holpfer, Marcus A., Pittsburgh, Pa. Drive transmission. 2,256,089; Sept. 16.
Hoobler, Bert R., Grosse Pointe Park, Mich. Dressing apparatus. 2,255,973; Sept. 16.
Hooker Electrochemical Company. (See Stuart, Kenneth E., assignor.)
Hooper, F. X., Company. (See Fitchett, Thomas S., assignor.)
Hoover Company, The. (See Kilpatrick, Wilford G., assignor.)
Hoover Company, The. (See Troxler, Charles G., assignor.)
Hoover Company, The. (See White, Harry B., assignor.)
Hope, Samuel N., Wauwatosa, assignor to Griffith-Hope Company, West Allis, Wis. Roll paper holder. 2,256,342; Sept. 16.
Hoppes, John H. (See Chaffin, Paul, assignor.)
Horst, Karl. (See Balle, G., and Horst.)
Houdaille-Hershey Corporation. (See Franco-Ferreira, Edgard C., assignor.)
Howald, Arthur M., and L. S. Meyer, assignors to Plaskon Company, Incorporated, Toledo, Ohio. Manufacture of hardened articles. 2,255,998; Sept. 16.
Howell Company The. (See Bower, Byron F., assignor.)
Hoyt, Roy C., Duluth, Minn. Fluid operated brake. 2,255,974; Sept. 16.
Hubbard, Cecil R., assignor to The Garlock Packing Company, Palmyra, N. Y. Machinery packing. 2,256,343; Sept. 16.
Huber Manufacturing Company, The. (See Gifford, C. E., and Harrison, assignors.)
Hüber, Max, Berlin-Siemensstadt, and A. Dahms, Berlin, Germany, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Enclosed circuit interrupter. 2,255,927; Sept. 16.
Hudson Bay Mining & Smelting Co. Limited. (See Ambrose, John H., assignor.)
Hudson, William J., Milwaukee, Wis., assignor to Square D Company, Detroit, Mich. Electric switch. 2,255,886; Sept. 16.
Huebsch, Herbert J. (See Huebsch, Joseph F. and H. J.)
Huebsch, Joseph F., Miami, Fla., and H. J. Huebsch, assignors to Huebsch Manufacturing Company, Milwaukee, Wis. Handkerchief fluffer. 2,255,928; Sept. 16.
Huebsch Manufacturing Company. (See Huebsch, Joseph F. and H. J., assignors.)
Huffman, William E., and G. W. Replogle, Dayton, Ohio. Quick release valve. 2,255,774; Sept. 16.
Hughes, Horace R. Alcester, England. Pen nib. 2,256,429; Sept. 16.
Hughes, Horace R., Alcester, England. Fountain pen. 2,256,430; Sept. 16.
Hughes, Howard R., assignor to Hughes Tool Company, Houston, Tex. Calculating device. 2,256,116; Sept. 16.
Hughes Tool Company. (See Hughes, Howard R., assignor.)
Hultkrans, Paul B., Shorewood assignor to Milprint, Inc., Milwaukee, Wis. Packing. 2,255,975; Sept. 16.
Hume, James P. (See Rebori, A. N., and Hume.)
Hungerford, Clarence A., Kurrajong Heights, near Sydney, Australia. Centrifugal honey extractor. 2,255,775; Sept. 16.
Hunter, Willson H., and C. E. Snyder, Akron, Ohio assignors to The B. F. Goodrich Company, New York, N. Y. Expansible brake structure. 2,256,431; Sept. 16.
Husar, Fred, Chicago, Ill. Binocular. 2,256,026; Sept. 16.
Huston, Milton D., and J. G. Gilmore, assignors to Columbus Metal Products, Inc., Columbus Ohio. Thermally controlled oil burner. 2,255,929; Sept. 16.
Hygrade Sylvania Corporation. (See Casellini, Ezio T., assignor.)
Hylan, Ralph R., Lexington, Mass. Scooter ski. 2,256,203; Sept. 16.
Iams, Harley A., Summit, N. J., assignor to Radio Corporation of America. Electron image tube. 2,256,461; Sept. 16.
Iams, Harley A. Summit, N. J., assignor to Radio Corporation of America. Television transmitting device. 2,256,462; Sept. 16.
Ilberg, Waldemar, and K. Röhrich, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Method and means for guiding aircraft. 2,256,090; Sept. 16.
Illinois Tool Works. (See Hanneman, Walter M., assignor.)
Imperial Brass Manufacturing Company, The. (See Eden, Harold W., assignor.)
Imperial Chemical Industries Limited. (See Taylor, James, assignor.)
Independent Pneumatic Tool Co. (See Skaer, Arthur H. assignor.)
Industrial Ceramic Products, Inc. (See Orth, H. S., Oberst, and Cramer, assignors.)
Ingersoll-Rand Company. (See Bancel, Paul A., assignor.)
International Nickel Company, The. (See Pfeil, Leonard B., assignor.)
International Standard Electric Corporation. (See Beale, E. S. L., and Stansfield, assignors.)
International Standard Electric Corporation. (See Beatty, William A., assignor.)
International Standard Electric Corporation. (See Earp, Charles W., assignor.)
International Standard Electric Corporation. (See Van Mierlo, Stanislas, assignor.)
Irvine, Constance L. M., et al. (See Harvard, Jack, assignor.)
Iverson, Chris A., Bemidji, Minn. Siphoning device. 2,256,432; Sept. 16.
Jackson, Leo M., and W. C. Murphy, Augusta, Ga. Revolving calendar. 2,256,433; Sept. 16.
Jackson, William Steell, and Son. (See Bowman, Jacob W., assignor.)
Jacobs, Charles T. (See Somers, R. M., and Jacobs.)
Jam Handy Picture Service, Inc. (See Boor, V. J., and Bradford, assignors.)
James, Charles F., Elmere, N. Y. Combined can opener and pouring device. 2,255,847; Sept. 16.
Jameson, Charles M., Detroit, Mich. Tissue dispenser for automobiles. 2,256,204; Sept. 16.
Janney, Thomas A., Garfield, A. G. Johnson, Magna, and C. M. Nokes, Salt Lake City, Utah. Recovering molybdenite by froth flotation. 2,255,776; Sept. 16.
Jardine, Albert D., and H. V. Beronius, Detroit, Mich. Fluid cooled electric conductor. 2,256,027; Sept. 16.
Jardine, Albert D., and H. V. Beronius, Detroit, Mich. Portable welding device. 2,256,028; Sept. 16.
Jasco, Incorporated. (See Schilling, H., and Heer, assignors.)
Jenkins Bros. (See Kraft, H. T., and McCoy, assignors.)
Jepson, Percy, Oakland, Calif. Blade holder. 2,255,930; Sept. 16.
Jessup, James B., Burbank, assignor to Duplex, Inc., West Hollywood, Calif. Glider hook for sash balances. 2,256,205; Sept. 16.
Johanson, Georg K. V. (See Dalén, G., and Johanson.)
Johnson, Alpha G. (See Janney, T. A., Johnson, and Nokes.)
Johnson, Arthur J., Chicago, Ill. Valve. 2,256,319; Sept. 16.
Johnson, Axel F. (See Farrar, J. F. P., and Johnson.)
Johnston, Charles O., Venice, Calif. Therapeutic device. 2,256,286; Sept. 16.
Johnson, E. R. Fenimore. (See Barnes, George W., assignor.)
Johnson, Manfred J., assignor of one-half to The Lewis Engineering Company, Naugatuck, Conn. Means for indicating and/or recording unknown quantities. 2,255,888; Sept. 16.
Johnson, Samuel. (See Donley, H. B., and Johnson.)
Johnson, William B. (See Gallup, George B., assignor.)
Jones, Harry S., Chicago, Ill. Manifold set assembling apparatus and method. 2,255,777; Sept. 16.
Jones, Loyd A. (See Russell, M. E., and Jones.)
Jones, Sam P., Dallas, Tex. Vaporizing hydrocarbon liquids. 2,255,747; Sept. 16.
Jorgensen, Thoralf, Vashon, Wash. Trolling fishhook. 2,255,976; Sept. 16.
Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft. (See Klein, Friedrich, assignor.)
Kahlerth, Carl W. (See Smaltz, J. C., and Kahlerth.)
Kambli, Eduard, Basel, E. Stoecklin, Binningen, and R. Tobler, Riehen, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland. Producing vat dyestuff prints. 2,255,778; Sept. 16.
Kapella Limited. (See Reason, Richard E., assignor.)
Katz, Morris, Bronx, N. Y. Paper rod and constructing the same. 2,255,887; Sept. 16.
Kauffman, Walter L., II, assignor to Lovell Manufacturing Company, Erie, Pa. Wringer and the like. 2,255,977; Sept. 16.
Kauffman, Walter L., II, assignor to Lovell Manufacturing Company, Erie, Pa. Wringer and the like. 2,256,162; Sept. 16.
Keeley, Kedric V., Los Angeles, Calif. Timing device. 2,256,117; Sept. 16.
Keffeler, Lambert, Seattle, Wash. Smoking pipe. 2,255,848; Sept. 16.
Kelsey-Hayes Wheel Company. (See Sinclair, Charles W., assignor.)
Kendrick, Charles M., New York, N. Y., assignor to Manly Corporation, Washington, D. C. Rotary fluid pressure device. 2,255,781; Sept. 16.
Kendrick, Charles M., New York, N. Y., assignor to Manly Corporation, Washington, D. C. Fluid pressure means and system. 2,255,782; Sept. 16.
Kendrick, Charles M., New York, N. Y., assignor to Manly Corporation, Washington, D. C. Fluid pressure device and system. 2,255,783; Sept. 16.
Kendrick, Charles M., New York, N. Y., assignor to Manly Corporation, Washington, D. C. Fluid pressure device. 2,255,784; Sept. 16.
Kendrick, Charles M., New York, N. Y., assignor to Manly Corporation, Washington, D. C. Fluid pressure device. 2,255,785; Sept. 16.
Kendrick, Charles M., New York, N. Y., assignor to Manly Corporation, Washington, D. C. Reversible vane type fluid motor. 2,255,786; Sept. 16.
Kendrick, Charles M., New York, N. Y., assignor to Manly Corporation, Washington, D. C. Fluid pressure device and system. 2,255,787; Sept. 16.
Kendrick, Charles M., New York, N. Y., assignor to Manly Corporation, Washington, D. C. Fluid pressure device. 2,256,459; Sept. 16.
Kent, Raymond W., Newton Highlands, Mass. Pile flocking. 2,255,779; Sept. 16.

Keuffel & Esser Company. (See Wiedemann, Hans, assignor.)
Khandjian, John, assignor of one-half to P. J. Tarsian, Brooklyn, N. Y. Shoe protector. 2,256,001; Sept. 16.
Killefer Manufacturing Corporation. (See Sjorgen, Oscar W., assignor.)
Kilpatrick, Wilford G., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,255,788; Sept. 16.
Kirkness, Robert H. (See Harris, N. L., and Kirkness.)
Kirsch Company. (See Stratton, Philip B., assignor.)
Klavehn, Wilfrid, Schwetzingen, and A. Wolf, Heidelberg, Germany, assignors to E. Bilhuber Corporation. Saturated ethylamine derivative. 2,256,434; Sept. 16.
Klein, Friedrich, assignor to Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft, Dessau, Germany. Cooling the charge of internal combustion engines. 2,256,393; Sept. 16.
Kleinwachter, Paul M., Chicago, Ill. Merchandise display arrangement. 2,255,889; Sept. 16.
Klopfer, Max, Woodside, and M. Rothschild, New York, N. Y. Baby crib. 2,255,791; Sept. 16.
Kloster, George M., assignor to Utica Knitting Company, Utica, N. Y. Man's underwear. 2,255,931; Sept. 16.
Knapp, Andrew S., assignor to Knapp-Monarch Company, St. Louis, Mo. Dry shaver cutter head. 2,256,029; Sept. 16.
Knapp-Monarch Company. (See Knapp, Andrew S., assignor.)
Knight, James L., Erie, Pa., assignor to General Electric Company. Refrigerator cabinet. 2,256,206; Sept. 16.
Knott, Warren E., Federalsburg, Md. Button blank slicing and grinding machine. 2,256,146; Sept. 16.
Knowland, Richard G., Pelham, N. Y., assignor to Bigelow-Sanford Carpet Co. Inc., Thompsonville, Conn. Floor covering manufacture. 2,255,890; Sept. 16.
Koebel, Frank E., Glen Ridge, and J. H. Metz, Verona, N. J., assignors to J. K. Smit & Sons, Inc., New York, N. Y. Diamond bit. 2,256,092; Sept. 16.
Kohler, Henry L., assignor to A. A. Kramer, Kansas City, Mo. Applying protective coatings to sheets. 2,255,780; Sept. 16.
Kohler, Henry L., assignor to A. A. Kramer, Kansas City, Mo. Applying protective coatings to sheets. 2,255,978; Sept. 16.
Kohler, Henry L., assignor to A. A. Kramer, Kansas City, Mo. Applying protective coatings to sheets. 2,255,979; Sept. 16.
Kraatz, Siegfried. (See Dreyer, H., and Kraatz.)
Kraft, Herman T., Akron, and W. C. McCoy, Shaker Heights, Ohio, assignors, by mesne assignments, to Jenkins Bros., Bridgeport, Conn. Tire valve. 2,255,932; Sept. 16.
Krajewski, Edward. (See Asaro, V., and Krajewski.)
Kramer, Andrew A. (See Kohler, Henry L., assignor.)
Kraus, Clarence W., Buffalo, N. Y. Construction unit. 2,256,435; Sept. 16.
Kruse, Arthur, Logelbach, France. Device for providing twist in rovings preparatory to spinning. 2,256,436; Sept. 16.
Kruse, Edward H. (See Dole, Paul D., assignor.)
Kress, Willard C., Kenmore, assignor to J. H. Williams & Co., Buffalo, N. Y. Torque-measuring wrench. 2,255,792; Sept. 16.
Kridler, Philip W., Detroit, Mich. Fishhook. 2,255,793; Sept. 16.
Kuehner, Wilhelm, Providence, R. I., assignor to Excell Manufacturing Company. Bracelet locket. 2,255,999; Sept. 16.
Kuhlmann, Heinrich, Bad Oeynhausen-Eidinghausen, Germany. Grain harvester. 2,255,980; Sept. 16.
Kuhn, Frank, Grosse Pointe Farms, and L. H. Thomas, Birmingham, assignors to American Electric Heater Company, Detroit, Mich. Handle. 2,256,147; Sept. 16.
Kumetat, Karl, and G. Wilmanns, Wolfen, Kreis Bitterfeld, Germany, assignors to General Aniline & Film Corporation, New York, N. Y. Photographic silver halide emulsion. 2,256,163; Sept. 16.
Kurth, Franz J., New York, N. Y., assignor to Anemostat Corporation of America. Combined ventilating and illuminating device. 2,255,849; Sept. 16.
Kurth, Franz J., New York, N. Y., assignor to Anemostat Corporation of America. Air distributing device. 2,255,850; Sept. 16.
Kuzmick, Joseph N., Passaic, and L. S. Hilton, Bloomfield, assignors to Raybestos-Manhattan, Inc., Passaic, N. J. Plastic and making the same. 2,255,891; Sept. 16.
Kylén, Karl Erik, Goteborg, Sweden. Combustion motor. 2,256,437; Sept. 16.
Kyropoulos, Spiro, Pasadena, assignor to Union Oil Company of California, Los Angeles, Calif. Method and apparatus for reducing wear on lubricated bearing surfaces. 2,256,118; Sept. 16.
La Bille, Joseph A., Chicago, Ill. Velocipede. 2,256,052; Sept. 16.
Labombarde, Harold S., Nashua, N. H., assignor to Dixie-Vortex Company, Chicago, Ill. Making tapered cups. 2,255,962; Sept. 16.
Lagerberg, Alfred, Lance Creek, Wyo. Safety stop for engines. 2,255,981; Sept. 16.
Lake, Ross A., Oak Park, assignor to Teletype Corporation, Chicago, Ill. Printing perforating telegraph apparatus. 2,255,794; Sept. 16.
Lamel, Edward G., Los Angeles, Calif. Fabricated metal wall. 2,256,394; Sept. 16.
La Mont Corporation. (See Peters, Heinrich, assignor.)
Land, Edwin H., Cambridge, Mass., assignor to Polaroid Corporation, Dover, Del. Variable density window. 2,255,933; Sept. 16.
Land, Edwin H., Boston, Mass., assignor, by mesne assignments, to Polaroid Corporation, Dover, Del. Material having varying birefringence and manufacture. 2,256,003; Sept. 16.
Landon, Harold N., Glendale, Calif. Device for converting multiphase alternating current into direct current. 2,255,795; Sept. 16.
Lane-Wells Company. (See Beers, Lowell C., assignor.)
Lane-Wells Company. (See Wells, Charles E., assignor.)
Lapsley, Robert. (See Bixby, L. A., and Lapsley.)
Lapsley, Robert, Berrien Springs, assignor to Clark Equipment Company, Buchanan, Mich. Transmission. 2,256,320; Sept. 16.
Larsen, James M., Brooklyn, assignor to Foster Wheeler Corporation, New York, N. Y. Vapor and liquid contact apparatus. 2,256,438; Sept. 16.
Laub, Hans, Millburn, assignor to Charles Engelhard, Inc., Newark, N. J. Gas analysis apparatus. 2,256,395; Sept. 16.
Leahy, David R. (See Mahoney, J. M., and Leahy.)
Lee, Pyungtoo W., York, Pa., assignor to The Dentists' Supply Company of New York, New York, N. Y. Manufacturing nonshatterable vitreous denture bases. 2,256,344; Sept. 16.
Le Fevre, Walter J. (See Britton, E. C., and Le Fevre.)
Leitz, Ernst, G. m. b. H. (See Fricke, Hans, assignor.)
Leitz, Ludwig, and H. Broschke, Wetzlar, Germany, assignors, by mesne assignments, to F. Dumur, Lausanne, Switzerland. Roll film camera with spring motor. 2,256,207; Sept. 16.
Leitz, Ludwig, and H. Broschke, Wetzlar, Germany. Combined camera and exposure meter. 2,256,208; Sept. 16.
Lenehan, Bernard E., Bloomfield, and S. L. Goldsborough, Basking Ridge, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Carrier-current protective relaying system. 2,255,934; Sept. 16.
Les Laboratories Francais de Chimiotherapie. (See Girard, André, assignor.)
Leventhal, Jacob F., assignor to Leventhal Patents, Inc., New York, N. Y. Motion picture apparatus. 2,255,892; Sept. 16.
Leventhal Patents, Inc. (See Leventhal, Jacob F., assignor.)
Levoy, Louis G., Jr., Ballston Lake, N. Y., assignor to General Electric Company. Electric translating circuit. 2,256,209; Sept. 16.
Lewellen, Darcy E. and E. F., Columbus, Ind. Wire drawing and spooling apparatus. 2,255,935; Sept. 16.
Lewellen, Emmons F. (See Lewellen, Darcy E. and E. F.)
Lewis Engineering Company, The. (See Johnson, Manfred J., assignor.)
Lichty, Joy G., Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Preparing copolymers. 2,256,148; Sept. 16.
Lillich, Ralph A., Houston, Tex. Back pressure valve. 2,256,119; Sept. 16.
Lilly, Eli, and Company. (See Shonle, H. A., and Doran, assignors.)
Limane, Lawrence L., and G. Federighi, San Francisco, Calif. Tenderizing and shaping fresh meat. 2,255,796; Sept. 16.
Lindahl, George R., Los Angeles, Calif. Drain pan. 2,256,053; Sept. 16.
Line Material Company. (See Steinmayer, A. G., and Brown, assignors.)
Lipani, Joseph, Brooklyn, N. Y. Combination vernier caliper, depth gauge, and height gauge. 2,256,030; Sept. 16.
Lithographic Technical Foundation, Inc., The. (See George, Anthony, assignor.)
Lits, Irvin E., Denver, Colo. Valve apparatus for pumping systems. 2,256,031; Sept. 16.
Long, James S. (See Rheineck, A. E., and Long.)
Long, John R., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Preparation of methyl vinyl ketone. 2,256,149; Sept. 16.
Lord, Harold W. (See Edwards, M. A., and Lord.)
Lorenz, C., Aktiengesellschaft. (See Berthold, Hans, assignor.)
Lorenz, C., Aktiengesellschaft. (See Herriger, Felix, assignor.)
Loughridge, Matthew H., Bogota, N. J. Block system. 2,255,797; Sept. 16.
Loustalet, George H. (See Noffsinger, Fred P., R. L., and Loustalet.)
Lovell Manufacturing Company. (See Kauffman, Walter L., II, assignor.)
Lovenston, Hans J., Detroit, assignor to Gear Grinding Machine Company, Hamtramck, Mich. Electric indicator for grinding machines. 2,256,120; Sept. 16.
Lowe, Frederick H., Thorpe, Chertsey, England. Collapsible box or display device. 2,256,439; Sept. 16.

Luboshes, Benjamin E., assignor to Eastman Kodak Company, Rochester, N. Y. Projection printer. 2,256,396; Sept. 16.
Luboshes, Benjamin E., assignor to Eastman Kodak Company, Rochester, N. Y. Projection printer. 2,256,397; Sept. 16.
Luboshez, Benjamin E. (See Evans, R. M., and Luboshez.)
Lubszynski, Hans G., Hillingdon, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Electron discharge device. 2,256,460; Sept. 16.
Lucia, Louis V., West Hartford, assignor to The Standard Meter Corporation, Hartford, Conn. Parking meter. 2,256,398; Sept. 16.
Lundin, Knut E., assignor to Radial Pump and Compressor Company, Los Angeles, Calif. Pump assembly. 2,255,851; Sept. 16.
Lundin, Knut E., assignor to Radial Pump and Compressor Company, Los Angeles, Calif. Pump assembly. 2,255,852; Sept. 16.
Lynch, Bradford C., Paterson, N. J. Airplane engine. 2,256,094; Sept. 16.
M-O Valve Co. Limited. (See Aldous, W. H., and Warren, assignors.)
M and M Wood Working Company. (See Hansen, Ray C., assignor.)
MacDonell, Alberta A., San Francisco, Calif. Animal feeding device. 2,256,210; Sept. 16.
MacHarg, John B., assignor to Eastman Kodak Company, Rochester, N. Y. Mailing card. 2,256,399; Sept. 16.
MacKay, Kenneth H., Ocala, Fla. Rotary fluid pressure apparatus. 2,256,264; Sept. 16.
MacKenzie, Wilbur L., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Shoe-bottom-cementing machine. 2,255,854; Sept. 16.
Maeder, Henry A. (See Clewell, D. H. and Maeder.)
Mahoney-Clarke Inc. (See Mahoney, Edward J., assignor.)
Mahoney, Edward J., Jersey City, N. J., assignor to Mahoney-Clarke Inc., New York, N. Y. Safety hook. 2,256,164; Sept. 16.
Mahoney, John M., and D. R. Leahy, Schenectady, assignors to American Locomotive Company, New York, N. Y. Window. 2,256,097; Sept. 16.
Mai, Ferdinand. (See Wagner, A., and Mai.)
Makus, Sylvester H., and W. J. Schultz, Milwaukee, Wis. Fishing line bobber. 2,255,853; Sept. 16.
Mallory, Gerald D., Akron, Ohio assignor to Wingfoot Corporation, Wilmington, Del. Apparatus and producing elastic yarn. 2,256,150; Sept. 16.
Maloney, Frank H., Elmhurst, Long Island, assignor to Brass Goods Manufacturing Co., Brooklyn, N. Y. Powder container. 2,256,095; Sept. 16.
Manly Corporation. (See Kendrick, Charles M., assignor.)
Marchant Calculating Machine Company. (See Avery, Harold T., assignor.)
Marden William L. (See Hazard, C. S., and Marden.)
Markush, Eugene A., Jersey City, N. J., assignor to Pharma Chemical Corporation, New York, N. Y. Polyazo compounds. 2,256,096; Sept. 16.
Marley Company, The. (See Mart, Leon T., assignor.)
Marshall, Charles F., Covington, Ky. Ladder attachment. 2,256,452; Sept. 16.
Mart, Leon T. Mission Township, Johnson County, assignor to The Marley Company, Kansas City, Kans. Air cooled drive for draft fans. 2,256,345; Sept. 16.
Martin, Ralph C., Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Cutting, stretching, and twisting. 2,256,151; Sept. 16.
Mason, Sam E., San Diego Calif., assignor to Transit Research Corporation. Track brake arrangement. 2,255,798; Sept. 16.
Mastenbrook, Henry J., assignor to The Swartwout Company, Cleveland, Ohio. Pilot valve. 2,256,165; Sept. 16.
Master Metal Products, Inc. (See Geibel, John F., assignor.)
Mathie, Campbell, Chicago, Ill. Artificial fish lure. 2,256,346; Sept. 16.
Matthaei, Curt, Offenbach-on-the-Main, Germany. Device for attaching belt hooks. 2,255,855; Sept. 16.
Matthews, Percy W., North Kingsville, assignor to The Aetna Standard Engineering Company, Youngstown, Ohio. Reel. 2,256,400; Sept. 16.
Mauldin, Dodd, Beverly Hills, Calif. Hand sanding and rubbing block. 2,256,008; Sept. 16.
Maybach-Motorenbau G. m. b. H. (See Meyer, Gustav, assignor.)
Mayer, Adolph J., Le Grange, Ill. Weather strip. 2,255,936; Sept. 16.
Mayer, Waldemar F., Los Angeles, assignor to Byron Jackson Co., Huntington Park, Calif. Pumping apparatus. 2,256,099; Sept. 16.
Maze, Hamilton, assignor to W. H. Maze Company, Peru, Ill. Fastener. 2,256,401; Sept. 16.
Maze, W. H. Company. (See Maze, Hamilton, assignor.)
McCarthy, Charles M., Minneapolis, Minn. Rack for lawn mowers. 2,256,166; Sept. 16.
McCarty, Lourdes V., Milwaukee, Wis., assignor to E. E. Allyne, Cleveland, Ohio. Refrigerator control device. 2,256,121; Sept. 16.
McCoy, William C. (See Kraft, H. T., and McCoy.)
McCulloch, Elijah H. (See Dane, P., McCulloch, and Smedley.)
McCullough, John F. (See Freydberg, E., McCullough, and Coldwell.)
McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake control means. 2,256,287; Sept. 16.
McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Rail sanding apparatus. 2,256,288; Sept. 16.
McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Sand container. 2,256,290; Sept. 16.
McCusker, Raymond G., assignor to Heinze Electric Corporation, Lowell, Mass. Commutator. 2,256,321; Sept. 16.
McEwen, Alva, McComb, Miss. Freight car bulkhead. 2,256,054; Sept. 16.
McGill, Henry, assignor to Babcock Box Company, Attleboro, Mass. Display holder. 2,256,122; Sept. 16.
McKee, Frank E., Oklahoma City, Okla. Hollow-ground safety razor blade and sharpener. 2,256,032; Sept. 16.
McKiernan Terry Corporation. (See Smaltz, J. C., and Kahlerth, assignors.)
McLachlan, Dan, Jr., assignor to Corning Glass Works, Corning, N. Y. Making refractory bodies of tin oxide. 2,256,033; Sept. 26.
McLeod, John H., and O. Sandvik, assignors to Eastman Kodak Company, Rochester, N. Y. Variable density sound recording. 2,256,402; Sept. 16.
McMillan, Wallace A., Elmhurst, assignor to The Texas Company, New York, N. Y. Reconditioning of absorption oils. 2,256,405; Sept. 16.
McNally, James G., and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Acridine compounds and material colored therewith. 2,256,403; Sept. 16.
McNamara, George F., Waukegan, Ill., assignor to The American Steel and Wire Company of New Jersey. Filter. 2,255,937; Sept. 16.
McNeal, Donald L., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake means. 2,256,404; Sept. 16.
McNeal, Donald L. (See Hewitt, E. E., and McNeal.)
McNeil, William M., Wheaton, assignor to United States Gypsum Company, Chicago, Ill. Brake shoe reinforcing and making the same. 2,256,000; Sept. 16.
Meaker Company, The. (See Finston, Victor, assignor.)
Medigovich, Steve, Bisbee, Ariz. Game hanger. 2,256,123; Sept. 16.
Megela, John, New York, N. Y. Window locking device. 2,256,100; Sept. 16.
Meinzer, Gotthold H., Glendale, Calif. Shaker. 2,255,799; Sept. 16.
Metal Fittings, Inc. (See Blaho, Rudolph, assignor.)
Metz, John H. (See Koebel, F. E., and Metz.)
Meyer, Gustav, assignor to Maybach-Motorenbau G. m. b. H., Friedrichshafen, Bodensee, Germany. Control mechanism for power operated gear shifting apparatus. 2,256,440; Sept. 16.
Meyer, Leonard S. (See Howald, A. M., and Meyer.)
Meyerhoefer, Carl E., assignor to E. A. Laboratories, Inc. Brooklyn, N. Y. Cooling system. 2,256,322; Sept. 16.
Miller, C. F., et al. (See Shuler, Harry V., assignor.)
Miller, John C., Salem, Wis. Sewer pipe cleaning cutter. 2,255,800; Sept. 16.
Milprint, Inc. (See Hultkrans, Paul B., assignor.)
Miner, W. H., Inc. (See Dwyer, William M., assignor.)
Minneci, Salvatore, Pittsfield, Mass., assignor to General Electric Company. Voltmeter circuit. 2,256,211; Sept. 16.
Miöen, Ole, Stockholm, Sweden. Ski binding. 2,256,291; Sept. 16.
Mode, Douglas E., Philadelphia, Pa., assignor to General Electric Company. Device responsive to sudden changes in electric circuits. 2,256,347; Sept. 16.
Moeller, Carl A., assignor to Norfolk Paper Co., Inc., Randolph, Mass. Machine for making paper receptacles. 2,256,124; Sept. 16.
Molnar, Joseph, Trenton, N. J. Toy airplane motor. 2,256,002; Sept. 16.
Monfort, Raymond A. (See Goodale, E. D., and Monfort.)
Monington & Weston, Limited. (See Watts, William S., assignor.)
Monsanto Chemical Company (See Bartram, Thomas W., assignor.)
Moore, Edmund B., Brooklyn, N. Y. Automatic air envelope knockout. 2,256,167; Sept. 16.
Moore, George L., Chicago, Ill. Folding leg table. 2,255,938; Sept. 16.
Morawetz, Friedrich, Vienna, Germany, assignor to Radio Watch Company. Portable detecting device for ultra-short waves. 2,256,323; Sept. 16.
Morck, Knut H., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Safety device for power presses. 2,256,458; Sept. 16.
Morgan Construction Company. (See Sheperdson, John W., assignor.)
Morgan, Raymond O. (See Flickinger, John J., assignor.)
Morris, Herbert, Limited. (See Smith, George T., assignor.)

Morrison, Alan R., Spokane, Wash., assignor to E. L. Harrigan, Lakewood, Ohio. Inhalator. 2,256,212; Sept. 16.

Morrow, Earle L., Johnston, R. I., assignor to Frank Morrow Co., Inc. Hand operated linking connector. 2,256,265; Sept. 16.

Morrow, Frank, Co. (See Morrow, Earle L., assignor.)

Morrow, Harry M., Canton, Ohio, assignor to The Bowdil Company. Reversible mining machine chain lug. 2,255,856; Sept. 16.

Morton, George A., Haddon Heights, N. J., assignor to Radio Corporation of America. Electron image device. 2,255,801; Sept. 16.

Mosher, Grover C., Duluth, Minn. Hydraulic vehicle brake safety control. 2,256,348; Sept. 16.

Moye, Sarah M., Jeanette, Pa. Ash can and sieve. 2,256,266; Sept. 16.

Muir, Neil S., Farnborough, England. Transmission dynamometer. 2,256,406; Sept. 16.

Müller, Erwin, Berlin-Eichwalde, assignor to Stabilovolt G. m. b. H., Berlin, Germany. Glow discharge stabilizer tube. 2,256,101; Sept. 16.

Müller-Hillebrand, Dietrich, Halensee, and M. Proschmann, Siemensstadt, Germany, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical apparatus. 2,255,926; Sept. 16.

Mullett, Howard G., assignor to Bradley Washfountain Company, Milwaukee, Wis. Compartment shower. 2,255,893; Sept. 16.

Murch, John H., East Orange, N. J., assignor to American Can Company, New York, N. Y. Container. 2,255,802; Sept. 16.

Murphy, William C. (See Jackson, L. M., and Murphy.)

Napier, D., & Son Limited. (See Ramsey, Frank R. F., assignor.)

National Lock Company. (See Burke, William O., assignor.)

National Lock Washer Company, The. (See Schunk, Joseph, assignor.)

National Oil Products Company. (See Buxton, L. O., and Simons, assignors.)

Neptune Meter Company. (See Hazard, C. S., and Marden, assignors.)

Neuss, Oscar, Berlin-Charlottenburg, Germany. Production of protein-containing urea-formaldehyde plastics. 2,256,253; Sept. 16.

New Process Gear Corporation. (See Dodge, R. L., and Adkinson, assignors.)

Nilsson, Bror E., Oceanside, N. Y. Extension bar for ironing boards. 2,256,213; Sept. 16.

Noblitt-Sparks Industries, Inc. (See Hamilton, Neil, assignor.)

Noffsinger, Fred P. and R. L., and G. H. Loustalet, Greeley, Colo. Grasshopper exterminator. 2,256,125; Sept. 16.

Noffsinger, Ralph L. (See Noffsinger, Fred P. and R. L., and Loustalet.)

Nokes, Charles M. (See Janney, T. A., Johnson, and Nokes.)

Norfolk Paper Co. (See Moeller, Carl A., assignor.)

North American Rayon Corporation. (See Taylor, J. I., and Schaefer, assignors.)

Nottebohm, Carl L., assignor to the firm Carl Freudenberg, Weinheim, Baden, Germany. Artificial leather substitute. 2,256,034; Sept. 16.

Noyotny, Emil E., Oak Lane, and G. K. Vogelsang, Frankford, assignors to Durite Plastics, Incorporated, Philadelphia, Pa. Preparing derivatives of anacardic acid. 2,256,349; Sept. 16.

Nutting, Howard S., and P. S. Petrie, assignors to The Dow Chemical Company, Midland, Mich. Styrene copolymers. 2,256,152; Sept. 16.

Nystrom, Karl F., Milwaukee, Wis. Air conditioning system for railway cars. 2,256,350; Sept. 16.

Oberst, Clair R. (See Orth, H. S., Oberst, and Cramer.)

Oblad, Alex G. (See Carmody, D. R., and Oblad.)

O'Brian, Maurice, Indianapolis, Ind., assignor to The Prest-O-Lite Company, Inc. Conveying apparatus for gas generators. 2,256,407; Sept. 16.

O'Brien, Frederic L. (See Wise, R. J., Ridings, O'Brien, and d'Humy.)

O-Cedar Corp'n. (See Bailey, Warren G., assignor.)

Ödman, Tor A. (See Eweryd, K. K. H., Ödman, and Widing.)

Offutt, Joseph J., assignor to A. P. Green Fire Brick Company, Mexico, Mo. Furnace wall. 2,255,803; Sept. 16.

Oil Well Supply Company. (See Adams, James W., assignor.)

Oliver Farm Equipment Company. (See Braley, W. L., and Hildebrand, assignors.)

Olson, Waldemar N., Brookfield, assignor to Reynolds Electric Co., Chicago, Ill. Speed changer. 2,255,983; Sept. 16.

Oman, Nils J., Haddon Heights, N. J., assignor to Radio Corporation of America. Feedback wave translating system. 2,255,804; Sept. 16.

Ormond, Joseph, Newark, N. J., assignor to Schick Incorporated. Forming the shearing heads of dry shavers. 2,255,894; Sept. 16.

Orshansky, Elias, Jr., University Heights, assignor to The Acrotorque Company, Cleveland, Ohio. Transmission. 2,256,324; Sept. 16.

Orth, Howard S., C. R. Oberst, and W. E. Cramer, assignors to Industrial Ceramic Products Inc., Columbus, Ohio. Packaging sagger pins. 2,256,215; Sept. 16.

Orth, Howard S., C. R. Oberst, and W. E. Cramer, assignors to Industrial Ceramic Products, Inc., Columbus, Ohio. Method and apparatus for forming clay products. 2,256,216; Sept. 16.

Osmun, Fred N., Houston, Tex. Hydraulic power transmitter control. 2,255,857; Sept. 16.

Outboard, Marine and Manufacturing Company. (See Furry, J. F., and Ames, assignors.)

Overson, Frank E., Racine, Wis. Brooder for hogs and the like. 2,255,806; Sept. 16.

Overstrom, Conrad. (See Overstrom, Gustav A., G., and C.)

Overstrom, George. (See Overstrom, Gustav A., G., and C.)

Overstrom, Gustave A. and G., Los Angeles, and C. Overstrom, Altadena, Calif. Screen. 2,255,939; Sept. 16.

Owen, Benjamin F., Omaha, Nebr. Grading and terracing machine. 2,256,214; Sept. 16.

Parkes, Bertrand A. and R. C., Philadelphia, Pa. Flatwork drying, folding, pressing, and counting machine. 2,256,327; Sept. 16.

Parkes, Ralph C. (See Parkes, Bertrand A. and R. C.)

Parsons, Theophilus, Jr. (See Rosenberg, H. R., and Parsons.)

Partridge, Edward G., Stow, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Making microporous rubber articles. 2,256,408; Sept. 16.

Passardi, Vitaliano. (See Salani, Ettore, assignor.)

Paterson, John C., Petersborough, England, assignor to Baker Perkins Company Inc., Saginaw, Mich. Conveyer of the endless band type. 2,256,168; Sept. 16.

Patterson, Curtis J., Mission Hills, Kans. Apparatus for treating dough. 2,256,003; Sept. 16.

Peake, John S. (See Hanawalt, J. D., and Peake.)

Pearson, Sidney E., Kansas City, Kans. Expansion plug for internal combustion engines. 2,256,217; Sept. 16.

Peerpatco Incorporated. (See Dietert, Harry W., assignor.)

Pepperdine, George, Foundation. (See Brandon, Richard E., assignor.)

Peters, Heinrich, Berlin, Germany, assignor to La Mont Corporation, New York, N. Y. Steam generator with forced circulation. 2,256,169; Sept. 16.

Petrie, Peter S. (See Nutting, H. S., and Petrie.)

Pevere, Ernest F. (See Goldsby, A. R., Pevere, Clarke, and Hatch.)

Pfauser, Edward M., Elm Grove, assignor to Blackhawk Mfg. Co., Milwaukee, Wis. Hydraulic pump system. 2,255,984; Sept. 16.

Pfauser, Edward M., Elm Grove, assignor to Blackhawk Mfg. Co., Milwaukee, Wis. Pipe bending assemblage. 2,255,985; Sept. 16.

Pfeil, Leonard B., Edgbaston, Birmingham, England, assignor to The International Nickel Company, Inc., New York, N. Y. Workable nickel and nickel alloy. 2,255,895; Sept. 16.

Pharma Chemical Corporation. (See Markush, Eugene A., assignor.)

Philco Radio and Television Corporation. (See Swift, Maurice E., assignor.)

Pittsburgh Steel Company. (See Urschel, Bertis H. and H. C.)

Place, Bion C., assignor of one-half to G. E. Gagnier, Detroit, Mich. Securing moldings. 2,255,858; Sept. 16.

Plaskon Company. (See Cosgrove, Rex P., assignor.)

Plaskon Company. (See Howald, A. M., and Meyer, assignors.)

Plumlee, Carl H., Fort Peck, Mont. Desilting machine. 2,255,807; Sept. 16.

Pneumatic Scale Corporation. (See Vergobbi, John G., assignor.)

Pneumatic Scale Corporation. (See Vergobbi, Robert W., assignor.)

Pneumatic Scale Corporation. (See Yates, John, assignor.)

Pohle, Hans. (See Bögemann, M., Bayer, Schröter, and Pohle.)

Poirette Corsets, Inc. (See Robbins, Philip H., assignors.)

Polaroid Corporation. (See Blake, Robert P., assignor.)

Polaroid Corporation. (See Land, Edwin H., assignor.)

Polaroid Corporation. (See Rogers, Howard G., assignor.)

Popp, Walter H. (See Critoph, D. L., and Popp.)

Porter, Harry B., and S. F. Fahringer, Huntington, W. Va. Device for laying down or measuring angular values. 2,255,808; Sept. 16.

Pösentrup, Heinrich, Munster, and H. Schütte, Rheine, assignors to Rheiner Maschinenfabrik Windhoff A.-G., Rheine, Westphalia, Germany. Rail brake. 2,256,325; Sept. 16.

Potter, Rutherford B., Santa Barbara, Calif., assignor by order of court to S. E. Potter. Motor. 2,256,035; Sept. 16.

Potter, Sadie E. (See Potter, Rutherford B., assignor.)

Powers, Walter P., East Orange, N. J., assignor to Associated Patentees, Inc. Propeller synchronizing and other instruments. 2,256,170; Sept. 16.

Prentiss Wabers Products Co. (See Yeager, Anton J., assignor.)

Prescott, Ford L., Dayton, Ohio. Pressure indicator. 2,255,809; Sept. 16.

Prest-O-Lite Company. (See O'Brian, Maurice, assignor.)

Probst, Karl K., Detroit, Mich., assignor to himself and J. H. Shoemaker, as trustees for Probst-Shoemaker-Merrill Company. Oscillating device. 2,256,055; Sept. 16.

Probst-Shoemaker-Merrill Company. (See Probst, Karl K.)

Projahn, Heinrich, Gelsenkirchen, Germany, assignor to United States Pipe and Foundry Company, Burlington, N. J. Production of centrifugal castings. 2,255,896; Sept. 16.

Proschmann, Max. (See Müller-Hillebrand, D., and Proschmann.)

Pucci, Anthony, Taftville, Conn. Support for hoists. 2,256,409; Sept. 16.

Quigley, Winfred M., West View, Pa., assignor to Carnegie-Illinois Steel Corporation. Cleaning and drying strip or sheets. 2,255,859; Sept. 16.

Quinio, Louis, Tarentum, Pa. Combination hair wave gauge, comb, and razor. 2,256,326; Sept. 16.

Rachlin, Max, Flushing, N. Y. Gutter support. 2,256,126; Sept. 16.

Radial Pump and Compressor Company. (See Lundin, Knut E., assignor.)

Radio Corporation of America. (See Bierwirth, Rudolph A., assignor.)

Radio Corporation of America. (See Brailsford, Joseph D., assignor.)

Radio Corporation of America. (See Brett, George F., assignor.)

Radio Corporation of America. (See Carlson, Wendell L., assignor.)

Radio Corporation of America. (See Crosby, Murray G., assignor.)

Radio Corporation of America. (See George, Ralph W., assignor.)

Radio Corporation of America. (See Goodale, E. Dudley, assignor.)

Radio Corporation of America. (See Goodale, E. D., and Monfort, assignors.)

Radio Corporation of America. (See Hansell, Clarence W., assignor.)

Radio Corporation of America. (See Hathaway, J. L., and Resides, assignors.)

Radio Corporation of America. (See Hickok, Willard, assignor.)

Radio Corporation of America. (See Iams, Harley A., assignor.)

Radio Corporation of America. (See Morton, George A., assignor.)

Radio Corporation of America. (See Oman, Nils J., assignor.)

Radio Corporation of America. (See Robb, John G., assignor.)

Radio Corporation of America. (See Roberts, Walter van B., assignor.)

Radio Corporation of America. (See Salzberg, Bernard, assignor.)

Radio Corporation of America. (See Smith, P. T., and Garner, assignors.)

Radio Corporation of America. (See Tellegen, B. D. H., and Henriques, assignors.)

Radio Corporation of America. (See Umbreit, Stanton, assignor.)

Radio Corporation of America. (See Usselman, George L., assignor.)

Radio Corporation of America. (See Van Slooten, Jacob, assignor.)

Radio Corporation of America. (See Vance, Arthur W., assignor.)

Radio Corporation of America. (See Vogel, Charles P., assignor.)

Radio Corporation of America. (See Wagner, Herbert M., assignor.)

Radio Corporation of America. (See Weagant, Roy A., assignor.)

Radio Watch Company. (See Morawetz, Friedrich, assignor.)

Ramsay, Frank R. F., assignor to D. Napier & Son Limited, London, England. Ignition apparatus for internal combustion engines. 2,256,292; Sept. 16.

Rapisarda, Edward D., Agawam, Mass., assignor to Baker Perkins Company, Inc., Saginaw, Mich. Apparatus for conditioning chocolate or the like. 2,255,986; Sept. 16.

Ratigan, James P., Los Angeles, Calif. Tubing tong. 2,256,056; Sept. 16.

Raybestos-Manhattan, Inc. (See Kuzmick, J. N., and Hilton, assignors.)

Reach, Milton B., Springfield, Mass. Athletic game ball. 2,255,749; Sept. 16.

Reason, Richard E., assignor to Kapella Limited, Leicester, England. Optical measuring or testing apparatus. 2,256,102; Sept. 16.

Reason, Richard E., assignor to Kapella Limited, Leicester, England. Optical projecting apparatus. 2,256,103; Sept. 16.

Rebori, Andrew N., and J. P. Hume, Chicago, Ill., said Hume assignor to said Rebori. Radio communication. 2,255,897; Sept. 16.

Redier Conveyor Company. (See Adamson, Clarence, assignor.)

Redmond, Rufus P., Saratoga Springs, N. Y. Matrix or mold apparatus and making same. 2,256,036; Sept. 16.

Regenhardt, Walter F., Cleveland, Ohio. Filing cabinet. 2,256,351; Sept. 16.

Regenhardt, Hans W., assignor to The Steel Storage File Company, Cleveland, Ohio. Drawer follower. 2,256,352; Sept. 16.

Reid, Frederick M., assignor to Fruehauf Trailer Company, Detroit, Mich. Vehicle floor structure. 2,256,037; Sept. 16.

Reid, Frederick M., assignor to Fruehauf Trailer Company, Detroit, Mich. Semitrailer supporting structure. 2,256,328; Sept. 16.

Reiff, Orland M., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Mineral oil composition and improving agent therefor. 2,256,441; Sept. 16.

Reiff, Orland M., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Mineral oil composition and improving agent therefor. 2,256,442; Sept. 16.

Reiff, Orland M., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Lubricant composition and improving agent therefor. 2,256,443; Sept. 16.

Replogle, George W. (See Huffman, W. E., and Replogle.)

Replogle, Harry H., Scarsdale, N. Y., assignor to Sylvania Industrial Corporation, Fredericksburg, Va. Marked meat product. 2,255,810; Sept. 16.

Republic Steel Corporation. (See Crawford, Thomas J., assignor.)

Resides, Wilbur C. (See Hathaway, J. L., and Resides.)

Revelation Patents Holding Company. (See Stromeyer, Charles F., assignor.)

Reynolds Electric Co. (See Olson, Waldemar N., assignor.)

Rhiemeck, Alfred E., Louisville, Ky., and James S. Long, Coopersburg, Pa., assignors to Devoe & Reynolds Co., Inc. Oil from hydroxylated fatty acids. 2,256,353; Sept. 16.

Rheiner Maschinenfabrik Windhoff A.-G. (See Pösentrup, H., and Schütte, assignors.)

Rhodes, Claude C., Oak Park, Ill. Enamel removing means. 2,256,267; Sept. 16.

Richards, James V., Trustee et al. (See Wilcox, William D., assignor.)

Richards, William H., Dayton, Ohio. Photographic printer. 2,255,811; Sept. 16.

Rickman, Ruth B., Arlington County, Va. Material trimming and cutting device. 2,255,812; Sept. 16.

Riddell, William A., assignor to Eastman Kodak Company, Rochester, N. Y. Photoflash synchronizing device. 2,256,354; Sept. 16.

Riddell, William A., assignor to Eastman Kodak Company, Rochester, N. Y. Photoflash synchronizing device. 2,256,355; Sept. 16.

Ridings, Garvice H., Summit, and R. J. Wise, Dunellen, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. System and apparatus for facsimile telegraphy. 2,255,860; Sept. 16.

Ridings, Garvice H. (See Wise, R. J., Ridings, O'Brien, and d'Humy.)

Riedel, J. D.-E. de Haen A. G. (See Boedecker, F., and Heymons, assignors.)

Riedel, Oscar E., Montreal, Quebec, Canada. Door attachment. 2,255,860; Sept. 16.

Riehl, Theodore A., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Tire cord and the like. 2,256,153; Sept. 16.

Ringle, Caleb, Jersey City, N. J. Assembled structure. 2,256,104; Sept. 16.

Riverman, Frank W. (See Gallagher, D., and Riverman.)

Robb, John G., Richmond, England, assignor to Radio Corporation of America. Junction and switching arrangement for high frequency cables. 2,255,898; Sept. 16.

Robbins, Herbert C., and C. F. Hilldring, Akron, Ohio, assignors to American Hard Rubber Company, New York, N. Y. Steering wheel. 2,255,813; Sept. 16.

Robbins, Philip H., assignor to Poirette Corsets, Inc., New York, N. Y. Abdominal body brace. 2,256,410; Sept. 16.

Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Tone control circuit. 2,256,057; Sept. 16.

Roché, Jean A., Dayton, Ohio. Load distribution indicator. 2,255,814; Sept. 16.

Roesler, Frank J., assignor to Electro Manufacturing Co., Chicago, Ill. Fluorescent lighting fixture. 2,256,058; Sept. 16.

Rogers, Howard G., West Newton, Mass., assignor to Polaroid Corporation, Dover, Del. Formation of light-polarizing material. 2,255,940; Sept. 16.

Röhrich, Karl. (See Ilberg, W., and Röhrich.)

Rollmann, Hans. (See Szerenyi, A., and Rollmann.)

Rollmann, Heinz. (See Szerenyi, A., and Rollmann, assignors.)

Ronning, Adolph, Minneapolis, Minn. Power mowing machine. 2,256,219; Sept. 16.

Roof, Lewis C., Venice, Calif. Liquid feeding apparatus. 2,256,268; Sept. 16.

Rosenberg, Hans R., Wilmington, Del., and T. Parsons, Jr., New Brunswick, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of 7-dehydro-steroids. 2,255,815; Sept. 16.

Rosenblum, Israel, New York, N. Y. Maleic anhydride-polyhydric alcohol-natural resin reaction products. 2,256,444; Sept. 16.

Ross, Elliott P., Forest Hills, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Gyroscopic compass. 2,255,809; Sept. 16.

Rothschild, Max. (See Klopfer, M., and Rothschild.)

Rotscheidt, Wilhelm, Berlin-Charlottenburg, assignor to Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung, Berlin, Germany. Impulse repeating arrangement. 2,255,816; Sept. 16.

Ruben, Samuel, New Rochelle, N. Y. Electrolyte for electrolytic condensers. 2,255,817; Sept. 16.

Ruben, Samuel, New Rochelle, N. Y. Gas discharge device. 2,255,818; Sept. 16.

Rule, Alice N. (See Rule, George R. and A. N.)

Rule, George R. and A. N., Los Angeles, Calif. Heel for footwear. 2,255,941; Sept. 16.

Ruska, Helmut, Berlin-Nikolassee, assignor to "Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechtin mit beschränkter Haftung", Berlin-Germany. Focusing electron microscopes. 2,256,171; Sept. 16.

Ruska, Helmut. (See v. Borries, B., and Ruska.)

Russell, George D., Ysleta, Tex. Gun sight and mounting. 2,256,411; Sept. 16.

Russell, Marlon E., and L. A. Jones, assignors to Eastman Kodak Company, Rochester, N. Y. Treating sensitive photographic film. 2,256,356; Sept. 16.

Salani, Ettore, assignor of one-half to V. Passardi, Rome, Italy. Projector. 2,255,819; Sept. 16.

Salmon, Lionel M., Brentford, England. Device for cutting cheese or similar substances. 2,255,942; Sept. 16.

Salzberg, Bernard, East Orange, N. J., assignor to Radio Corporation of America. High frequency electron discharge device. 2,256,293; Sept. 16.

Sandvik, Otto. (See McLeod, J. H., and Sandvik.)

Sanitary Vending Company. (See Gabriel, William A., assignor.)

Sarver, Emmett F., Hollywood, Calif. Heat motor. 2,255,943; Sept. 16.

Saunders, Bertha. (See Titus, Robert L., assignor.)

Schaeffer, Erich. (See Basel, G., and Schaeffer.)

Schaefer, Karl T. (See Taylor, J. I., and Schaefer.)

Schatz, August, Josef B., and R. Heim, Triberg, Germany. Roll-film camera. 2,256,172; Sept. 16.

Schechterle, Otto, Seattle, Wash. Artificial minnow plug. 2,256,173; Sept. 16.

Schick Incorporated. (See Ormond, Joseph, assignor.)

Schieferstein, Georg H., Finowfurt, near Eberswalde, Germany. Oscillating mechanical system of the resonance type. 2,255,820; Sept. 16.

Schilling, Heinrich, Heidelberg, and L. Heer, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to Jasco, Incorporated. Producing acetylene from hydrocarbons. 2,256,174; Sept. 16.

Schinagel, Leo, et al. (See Ballou, John M., assignor.)

Schindler, Joseph F., Omak, Wash. Can opener. 2,255,944; Sept. 16.

Schläpfer, Oscar, assignor to Suizer Frères, Société Anonyme, Winterthur, Switzerland. Power generating apperatus. 2,256,294; Sept. 16.

Schlesinger, Edgar E., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Refrigerator car structure. 2,255,900; Sept. 16.

Schlipp, Ludwig, Kassel, and M. Boettle, Kassel-Bettenhausen, Germany. Double tape drawing frame for spinning and similar machines. 2,255,821; Sept. 16.

Schmid, William, assignor to H. A. Douglas Mfg. Co., Bronson, Mich. Electric switch. 2,256,295; Sept. 16.

Schmidt, Francis J., Wauwatosa, Wis. Portable game apparatus. 2,256,175; Sept. 16.

Schröter, Rudolf. (See Bögemann, M., Bayer, Schröter, and Pohle.)

Schroy, Paul C., Darien, Conn., assignor to American Cyanamid Company, New York, N. Y. Producing glazed chintz. 2,255,901; Sept. 16.

Schultz, Edward H., assignor to Blackhawk Mfg. Co., Milwaukee, Wis. Automobile repair equipment. 2,255,987; Sept. 16.

Schultz, William J. (See Makus, S. H., and Schultz.)

Schunk, Joseph, assignor to The National Lock Washer Company, Newark, N. J. Curtain fixture. 2,255,822; Sept. 16.

Schütte, Hans. (See Pösentrup, H., and Schütte.)

Scott, James A. W., Buffalo, N. Y. Horologic instrument. 2,256,412; Sept. 16.

Sears, Edward, Deer Lodge, Mont. Sleet scraper. 2,256,357; Sept. 16.

Seaver, John D., Cohasset, Mass., assignor to General Electric Company. Method and apparatus for casting permanent magnets. 2,256,218; Sept. 16.

Shaffer, Glenn A., De Pere, assignor to Fort Howard Paper Company, Green Bay, Wis. Paper roll holder. 2,255,861; Sept. 16.

Shank, McConnell, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Battery plate. 2,256,105; Sept. 16.

Shanley, Connor B., Kirkwood, Mo. Molding machine. 2,255,988; Sept. 16.

Shellenberger, Rolfe, Westfield, assignor to The Babcock & Wilcox Company, Newark, N. J. Furnace. 2,256,106; Sept. 16.

Shelters, Frederick C., assignor to Thompson Cabinet Company, Ludington, Mich. Drawer construction. 2,255,950; Sept. 16.

Sheperdson, John W., assignor to Morgan Construction Company, Worcester, Mass. Shearing elongated material. 2,256,176; Sept. 16.

Sherrill, Columbus H., Berkeley, Calif. Battery post clamp. 2,2o5,862; Sept. 16.

Sherrill, Harry J., Youngstown, Ohio. Auxiliary valve gear for locomotives. 2,255,902; Sept. 16.

Shoemaker, J. H., trustee, et al. (See Probst, Karl K., assignor.)

Shonle, Horace A., and W. J. Doran, assignors to Eli Lilly and Company, Indianapolis, Ind. 5,5-disubstituted-2,4-thiazolidiones, and making them. 2,255,903; Sept. 16.

Shreffler, Elwyne O., Manteno, Ill. Clutch control construction. 2,256,059; Sept. 16.

Shuey, Charles R., La Grande, Oreg. Trailer logging bunk. 2,255,863; Sept. 16.

Shuler, Harry V., assignor of thirty-three and one-third percent to C. F. Miller, and sixteen percent to J. F. Denham, Ontario, Oreg. Envelope opener. 2,255,945; Sept. 16.

Shwayder Bros. Inc. (See Adler, John B., assignor.)

Siemens-Schuckertwerke Aktiengesellschaft. (See Hintze, Rudolf, assignor.)

Signal Service Corporation. (See Haggart, John C., Jr., assignor.)

Silverstein, Abraham, New York, N. Y. Coat. 2,255,823; Sept. 16.

Simons, Eric J. (See Buxton, L. O., and Simons.)

Simpson, Howard W., Dearborn, assignor to Detroit Harvester Company, Detroit, Mich. Mower structure. 2,256,413; Sept. 16.

Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Brake. 2,255,989; Sept. 16.

Sinclair Refining Company. (See Allen, Charles J., assignor.)

Sjogren, Oscar W., Huntington Park, assignor to Killefer Manufacturing Corporation, Los Angeles, Calif. Disk gang assembly. 2,256,220; Sept. 16.

Skaer, Arthur H., Huntington Park, Calif., assignor to Independent Pneumatic Tool Co., Chicago, Ill. Air-line lubricator for pneumatic tools. 2,255,824; Sept. 16.

Skeen, John R., Philadelphia, Pa., assignor to The United Gas Improvement Company. Paint composition. 2,255,825; Sept. 16.

Skeen, John R., Philadelphia, Pa., assignor to The United Gas Improvement Company. Protecting corrodible metal surfaces, and product resulting therefrom. 2,255,826; Sept. 16.

Smaltz, John C., New York, N. Y., and C. W. Kahlerth, Newark, N. J., assignors to McKiernan Terry Corporation, New York, N. Y. Winch. 2,256,154; Sept. 16.

Smedley, Samuel. (See Dane, P., McCulloch, and Smedley.)

Smit, J. K., & Sons, Inc. (See Koebel, F. E., and Metz, assignors.)

Smit, J. K., & Sons, Inc. (See Taylor, Rutherford H., assignor.)

Smith, Arthur R., Schenectady, N. Y., assignor to General Electric Company. Elastic fluid turbine casing. 2,256,221; Sept. 16.

Smith, Chester F., Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Belt fastener. 2,256,155; Sept. 16.

Smith, George T., assignor to Herbert Morris Limited, Loughborough, England. Pulley or like block. 2,256,296; Sept. 16.

Smith, John F., Quincy, assignor to Compo Shoe Machinery Corporation, Boston, Mass. Counter for shoe press machines. 2,256,222; Sept. 16.

Smith, Kenneth L., assignor to Stedman's Foundry & Machine Works, Aurora, Ind. Screening apparatus. 2,256,358; Sept. 16.

Smith, Nelson J., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,256,127; Sept. 16.

Smith, Philip T., East Orange, and L. P. Garner, Newark, N. J., assignors to Radio Corporation of America. Electron discharge device. 2,256,297; Sept. 16.

Smith, Uel L., Morris Plains, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Instrument casing. 2,255,946; Sept. 16.

Smith, William M., assignor to Vapor Car Heating Company, Inc., Chicago, Ill. Suction-vapor heating system. 2,255,904; Sept. 16.

Snyder, Clarence E. (See Hunter, W. H., and Snyder.)

Snyder, Floyd C., Massillon, Ohio. Mechanism including a driven tool for feeding and operating upon work elements. 2,255,827; Sept. 16.

Snyder, James E., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Packaging. 2,256,156; Sept. 16.

Snyder, Le Roy J., trustee et al. (See Wilcox, William D., assignor.)

Societe Anonyme des Tubes de Valenciennes et Denain. (See Damien, René, assignor.)

Societe d'Electrochimie, d'Electrometallurgie et des Acieries Electriques d'Ugine. (See Gentil, Henri L., assignor.)

Society of Chemical Industry in Basle. (See Kambli, E., Stoecklin, and Tobler, assignors.)

Socony-Vacuum Oil Company. (See Clewell, D. H., and Maeder, assignors.)

Socony-Vacuum Oil Company. (See Reiff, Orland M., assignor.)

Somers, Richard M., West Orange, and C. T. Jacobs, New Providence, assignors to Thomas A. Edison, Incorporated, West Orange, N. J. Electrical control. 2,255,905; Sept. 16.

Sonneveld, Antonie, assignor to Transtone Corporation, New York, N. Y. Manufacture of cellulosic articles. 2,255,828; Sept. 16.

South Carolina National Bank of Charleston, The, as trustee. (See Harris, William A., assignor.)

Spang, Ferdinand J., Butler, Pa., and R. B. Anderson, Charleston, W. Va. Safety drilling-in head. 2,255,829; Sept. 16.

Spencer Lens Company. (See Critoph, D. I., and Popp, assignors.)

Spencer, Milton, assignor to M. Bressler, Chicago, Ill. Identification tag. 2,255,830; Sept. 16.

Sperry Gyroscope Company. (See Bates, Mortimer F., assignor.)

Splaine, Edward M., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 2,255,831; Sept. 16.

Square D Company. (See Hudson William J., assignor.)

Stabilovolt G. m. b. H. (See Müller, Erwin, assignor.)

Stahl, William V., Glendale, Calif. Seed germinator and plant cover. 2,256,414; Sept. 16.

Standard Meter Corporation, The. (See Lucia, Louis V., assignor.)

Standard Oil Company. (See Carmody, D. R., and Oblad, assignors.)

Standard Railway Devices Company. (See Bonsall, Charles D., assignor.)

Standard Railway Devices Company. (See Finger, Paul E., assignor.)

Standard Railway Devices Company. (See Winship, Ralph B. assignor.)

Standard Railway Equipment Manufacturing Company. (See Bonsall, Charles D., assignor.)

Standard Railway Equipment Manufacturing Company. (See Schlesinger, Edgar E., assignor.)

Standard Railway Equipment Manufacturing Company. (See Zeidler, Kurt E., assignor.)

Stansfield, Richard. (See Beale, E. S. L., and Stansfield.)

Stark, John S., Sharonville, assignor to Clopay Corporation, Cincinnati, Ohio. Bracket structure for Venetian blinds. 2,256,359; Sept. 16.

Starr, Raymond H., Kansas City, Mo. Refrigerator display case. 2,255,947; Sept. 16.

Stedman's Foundry & Machine Works. (See Smith, Kenneth L., assignor.)

Steel Storage File Company, The. (See Regenhardt, Hans W., assignor.)

Steidl, Charles J. (See Herbst, Robert L., assignor.)

Steinmayer, Alwin G., and C. W. Brown, assignors to Line Material Company, South Milwaukee, Wis. Pretensioned fuse link. 2,256,360; Sept. 16.

Stephens, Goebel M., Garden City, Mich. Exercise and massage machine. 2,255,864; Sept. 16.

Stewart, Robert J., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Container sealing apparatus. 2,256,415; Sept. 16.

Stites, Joseph D., Onanock, Va. Reinforcing bar. 2,256,060; Sept. 16.

Stockstill, Jesse R., Sacramento, Calif. Valve. 2,256,416; Sept. 16.

Stoecklin, Ernst. (See Kambli E., Stoecklin, and Tobler.)

Stoll, Albert, assignor to C. L. Brackett, Detroit, Mich. Thread rolling die. 2,256,269; Sept. 16.

Stovel, Laurence J., Richmond, Calif. Self-contained dispensing can. 2,256,223; Sept. 16.

Stratton, Philip B., assignor to Kirsch Company, Sturgis, Mich. Curtain rod construction. 2,255,990; Sept. 16.

Straub, Francis J. New Kensington, Pa. Block making apparatus and manufacture. 2,256,361; Sept. 16.

Stromeyer, Charles F., East Orange, N. J., assignor to Revelation Patents Holding Company, New York, N. Y. Thermionic tube and circuit. 2,256,177; Sept. 16.

Stuart, Kenneth E., assignor to Hooker Electrochemical Company, Niagara Falls, N. Y. Precision apparatus for dividing flowing liquids into definite proportions. 2,256,362; Sept. 16.

Stuart, Robert, Forest Hills, N. Y. Film reading system. 2,256,178; Sept. 16.

Sturgel, Silas, Banner, assignor of one-half to O. Hall, Wheelwright, Ky. Radio clock. 2,256,417; Sept. 16.

Sulzer Frères, Société Anonyme. (See Schläpfer, Oscar, assignor.)

Sunan, Milton T., Red Bluff, Calif. Ink. 2,256,128; Sept. 16.

Super Mold Corporation of California. (See Glynn, Edwin A., assignor.)

Svenska Aktiebolaget Gasaccumulator. (See Dalén, G., and Johanson, assignors.)

Swanstrom, Carl A., Maplewood, assignor to Elastic Stop Nut Corporation, Elizabeth, N. J. Self-locking socket nut. 2,255,948; Sept. 16.

Swartwout Company, The. (See Mastenbrook, Henry J., assignor.)

Swift, Maurice E., Detroit, Mich., assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Loud-speaker. 2,256,270; Sept. 16.

Switzer, Eldred A., Vancouver, British Columbia, Canada. Rotary engine. 2,256,418; Sept. 16.

Sylvania Industrial Corporation. (See Replogle, Harry H., assignor.)

Symington-Gould Corporation, The. (See Barrows, Donald S., assignor.)

Szerenyi, Andreas, and H. Rollmann, assignors, by mesne assignments, to H. Rollmann Brussels, Belgium. Making footwear. 2,256,329; Sept. 16.

Talner, Herbert H., Oregon City, Oreg. Combined flashlight and testing device. 2,256,129; Sept. 16.

Tapken, Karl A., Waterbury, Conn. Valve tool. 2,256,061; Sept. 16.

Tarzian, Peter J. (See Khandjian, John, assignor.)

Taylor, Barney L., U. S. Navy. Pocket syringe. 2,255,833; Sept. 16.

Taylor, James, Saltcoats, Scotland, assignor to Imperial Chemical Industries Limited. Blasting device. 2,256,298; Sept. 16.

Taylor, John, Kansas City, Mo. Battery cable. 2,255,991; Sept. 16.

Taylor, Joseph I., and K. T. Schaefer, Elizabethton, Tenn., assignors to North American Rayon Corporation New York, N. Y. Rubberizing cellulose fabrics. 2,255,834; Sept. 16.

Taylor, Rutherford H., Millburn, N. J., assignor to J. K. Smit & Sons, Inc., New York, N. Y. Making diamond tools. 2,256,062; Sept. 16.

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Brück, Lothar, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Hofer, Rudolf, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Ilberg, W., and Röhrich, assignors.)

Teletype Corporation. (See Lake, Ross A., assignor.)

Tellegen, Bernardus D. H., and V. C. Henriquez, Eindhoven, Netherlands, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Receiver noise control circuits. 2,256,063; Sept. 16.

Temple, George W., New York, assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Machine for enameling the shoulders of collapsible tubes. 2,256,363; Sept. 16.

Texas Company, The. (See Goldsby, A. R., Pevere, Clarke, and Hatch, assignors.)

Texas Company, The. (See McMillan, Wallace A., assignor.)

Thayer, Richard N., Cleveland Heights, Ohio, assignor to General Electric Company. Circuit for electric discharge devices. 2,256,224; Sept. 16.

Thomas, Joseph R., Chicago, Ill. Movable support. 2,256,004; Sept. 16.

Thomas, Laurence H. (See Kuhn, F., and Thomas.)

Thompson Cabinet Company. (See Shelters, Frederick C., assignor.)

Thompson Cabinet Company. (See Thompson, Edward J., assignor.)

Thompson, Edward J., assignor to Thompson Cabinet Company, Ludington, Mich. Drawer construction. 2,255,949; Sept. 16.

Thompson, Harry E., Dobbs Ferry, assignor to Anaconda Wire and Cable Company, New York, N. Y. Impregnated electric cable. 2,255,832; Sept. 16.

Thompson, Julian M., R. F. D., Swoope, Va. Mop holder and mop. 2,256,299; Sept. 16.

Thompson, Louis A., Lakewood, Ohio, assignor to Acme Newspictures, Inc., New York, N. Y. Phasing system. 2,256,364; Sept. 16.

Thompson, Louis W., Schenectady, N. Y., assignor to General Electric Company. Electroresponsive device. 2,256,225; Sept. 16.

Thomson, Thomas, London, England, assignor to H. A. Brassert & Company, Chicago, Ill. Shaft cooling system for blast furnaces. 2,256,179; Sept. 16.

Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Knob connection or the like. 2,256,419; Sept. 16.

Tinnerman Products, Inc. (See Tinnerman, George A., assignor.)

Titus, Robert L., assignor of one-half to B. Saunders, Los Angeles, Calif. Exerciser. 2,256,001; Sept. 16.

Tobler, Richard. (See Kambli, E., Stoecklin, and Tobler.)

Tomtlund, Karl H., assignor to Aktiebolaget Karlstads Mekaniska Werkstad, Karlstad, Sweden. Paper machine. 2,255,951; Sept. 16.

Torburn, Gustav P., Oakland, Calif. Floor rack for refrigerator vehicles. 2,256,180; Sept. 16.

Townsend, Leonard G., Washington, D. C. Apparatus for plotting line graphs. 2,255,835; Sept. 16.

Trachsel, Robert S., St. Joseph, Mo. Metal reshaping tool. 2,256,130; Sept. 16.

Trane Company, The. (See Collins, John W., assignor.)

Transit Research Corporation. (See Mason, Sam E., assignor.)

Transtone Corporation. (See Sonneveld, Antonie, assignor.)

Traver, William A., Providence, and J. M. Wood, Cranston, assignors to Franklin Process Company, Providence, R. I. Holder for dye cops, packages, or the like. 2,255,952; Sept. 16.

Troxler, Charles G., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,255,790; Sept. 16.

Tunick, Harry. (See Crosby, M. G., and Tunick.)

Tupper, John B., Upper Montclair, N. J. Photographic reproduction apparatus. 2,256,064; Sept. 16.

Tymann, S. M., et al. (See Ballou, John M., assignor.)

Tyrner, Joseph, Englewood, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Change-over switch. 2,256,181; Sept. 16.

Ulibarr, Paul J., Los Angeles, Calif. Dispensing device. 2,255,902; Sept. 16.

Umbreit, Stanton, West Orange, N. J., assignor to Radio Corporation of America. Grid. 2,255,906; Sept. 16.

Union Oil Company of California. (See Kyropoulos, Spiro, assignor.)

United-Carr Fastener Corporation. (See Churchill, Wilmer H., assignor.)

United-Carr Fastener Corporation. (See Fowler, George L., assignor.)

United-Carr Fastener Corporation. (See Hall, Charles L., assignor.)

United Gas Improvement Company, The. (See Skeen, John R., assignor.)

United Shoe Machinery Corporation. (See MacKenzie, Wilbur L., assignor.)

U. S. Electrical Motors, Inc. (See Heyer, Don, assignor.)

United States Gypsum Company. (See McNeil, William M., assignor.)

United States Pipe and Foundry Company. (See Projahn, Heinrich, assignor.)

Urschel, Bertis H. and H. C., Bowling Green, Ohio, assignors, by mesne assignments, to Pittsburgh Steel Company, Pittsburgh, Pa. Tubular car axle and making it. 2,256,065; Sept. 16.

Urschel, Harold C. (See Urschel, Bertis H. and H. C.)

Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Coaxial conductor system. 2,256,066; Sept. 16.

Utica Knitting Company. (See Kloster, George M., assignor.)

V. Borries, Bodo, Berlin-Spandau, and H. Ruska, Berlin-Nikolassee, assignors to "Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung," Berlin, Germany. Examining objects in an air space by means of electron microscopes. 2,256,191; Sept. 16.

Vance, Arthur W., Haddonfield, N. J., assignor to Radio Corporation of America. Electrical network. 2,255,805; Sept. 16.

Van Mierlo, Stanislas, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Device applicable mainly to television. 2,256,300; Sept. 16.

Van Slooten, Jacob, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Receiver selectivity control. 2,256,067; Sept. 16.

Vapor Car Heating Company. (See Smith, William M., assignor.)

Vaughan, Andrew E. and A. E., Jr., assignors to The Vaughan Knitting Company, Pottstown, Pa. Preparation of stockings for marketing. 2,255,836; Sept. 16.

Vaughan, Andrew E., Jr. (See Vaughan, Andrew E. and A. E., Jr.)

Vaughan Knitting Company, The. (See Vaughan, Andrew E. and A. E., Jr., assignors.)

Vergobbi, John G., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Ornamental wrapping sheet and making the same. 2,255,953; Sept. 16.

Vergobbi, Robert W., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Packaging machine. 2,255,954; Sept. 16.

Vickery, Absolum, Chehalis, Wash. Animal trap. 2,255,955; Sept. 16.

Victor Metal Products Corporation. (See Temple, George W., assignor.)

Vogel, Charles P., Millburn, N. J., assignor to Radio Corporation of America. High voltage rectifier. 2,256,330; Sept. 16.

Vogelsang, George K. (See Novotny, E. E., and Vogelsang.)

Volk, Joseph A., Wilton, Conn. Enclosure. 2,255,837; Sept. 16.

Vöster, Reinhold, Stuttgart, Germany. Strap connector. 2,256,068; Sept. 16.

Wacker, Dr. Alexander, Gesellschaft für Electrochemische Industrie G. m. b. H. (See Basel, G., and Schaeffer, assignors.)

Wagner, Adam, and F. Mai, Wetzlar, Germany,, assignors, by mesne assignments, to F. Dumur, Laussanne, Switzerland. Focal plane shutter. 2,256,226; Sept. 16.

Wagner, Herbert M., Kearny, N. J., assignor to Radio Corporation of America. Electron beam tube. 2,256,301; Sept. 16.

Wagner, Max, Stuttgart, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Vehicle axle suspension. 2,256,069; Sept. 16.

Wahlmark, Gunnar A., Rockford, Ill. Fluid transmission. 2,255,993; Sept. 16.

Ward, Frederick A., Highland Park, assignor to Gear Grinding Machine Company, Hamtramck, Mich. Multi-motored vehicle. 2,256,131; Sept. 16.

Warren, Geoffrey W. (See Aldous, W. H., and Warren.)

Watson-Stillman Co., The. (See Dinzl, Richard W., assignor.)

Watson-Stillman Co., The. (See Farley, Francis S., assignor.)

Watt, George W., Austin, Tex., assignor to Wingfoot Corporation, Wilmington, Del. Vulcanization of rubber. 2,256,157; Sept. 16.

Watt, Oscar G., Tulsa, Okla. Dual service heating system. 2,255,956; Sept. 16.

Watter, Theophila, Huntington, N. Y. Plate fastener. 2,256,331; Sept. 16.

Watts, William S., assignor to Monington & Weston, Limited, London, England. Piano. 2,255,865; Sept. 16.

Weagant, Roy A., Douglaston, Long Island, N. Y., assignor to Radio Corporation of America. Radio receiving system. 2,256,070; Sept. 16.

Weber, Theodore R., Latrobe, Pa., assignor to American Locomotive Company, New York, N. Y. Journal box lid. 2,255,866; Sept. 16.

Wehmeier, Fred R., Indianapolis, Ind. Brake control. 2,256,302; Sept. 16.

Weisbender, Eugene R., Manhattan, Kans. Spring. 2,256,158; Sept. 16.

Weiss, Emil. (See Becker, O. W., and Weiss.)

Wells, Charles E., San Gabriel, assignor to Lane-Wells Company, Los Angeles, Calif. Electrical connector. 2,255,838; Sept. 16.

Welte, Benedict, Berkley, assignor to Colonial Broach Company, Detroit, Mich. Hydraulic circuit. 2,256,332; Sept. 16.

Wendt, Walter A., Wahiawa, assignor to Hawaiian Pineapple Company, Limited, Honolulu, Hawaii. Culture of pineapple plants bearing a ratoon crop. 2,256,254; Sept. 16.

Wentworth, Harry T., South Orange, assignor to Foster Engineering Co., Newark, N. J. Dual relief valve. 2,256,365; Sept. 16.

Western Electric Company. (See Bandur, Adolph F., assignor.)

Western Union Telegraph Company, The. (See Ridings, G. H., and Wise, assignors.)

Western Union Telegraph Company, The. (See Wise, R. J., Ridings, O'Brien, and d'Humy, assignors.)

Westinghouse Air Brake Company, The. (See Canetta, John, assignor.)

Westinghouse Air Brake Company, The. (See Erson, Erik G., assignor.)

Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)

Westinghouse Air Brake Company, The. (See Farmer, C. C., and Hewitt, assignors.)

Westinghouse Air Brake Company, The. (See Good, John N., assignor.)

Westinghouse Air Brake Company, The. (See Hewitt, E. E., and McNeal, assignors.)

Westinghouse Air Brake Company, The. (See Hines, Claude M., assignor.)

Westinghouse Air Brake Company, The. (See McCune, Joseph C., assignor.)

Westinghouse Air Brake Company, The. (See McNeal, Donald L., assignor.)

Westinghouse Electric & Manufacturing Company. (See Baudry, René A., assignor.)

Westinghouse Electric & Manufacturing Company. (See Griscom, Samuel B., assignor.)

Westinghouse Electric & Manufacturing Company. (See Hüber, M., and Dahms, assignors.)

Westinghouse Electric & Manufacturing Company. (See Lenehan, B. E., and Goldsborough, assignors.)

Westinghouse Electric & Manufacturing Company. (See Müller-Hillebrand, D., and Proschmann, assignors.)

Westinghouse Electric & Manufacturing Company. (See Smith, Uel L., assignor.)

Weston, Edwin J., Canton, Ohio. Steering gear for vehicles. 2,256,366; Sept. 16.

White, Harry B., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,255,789; Sept. 16.

Whorton, Leo H., Donna, Tex. Lemon squeezer. 2,255,750; Sept. 16.

Widing, Lars A. (See Eweryd, K. K. H., Ödman, and Widing.)

Wiedemann, Hans, West New York, assignor to Keuffel & Esser Company, Hoboken, N. J. Drafting machine. 2,256,445; Sept. 16.

Wilcox, Henry M., trustee et al. (See Wilcox, William D., assignor.)

Wilcox, Mary P., executrix. (See Wilcox, William D.)

Wilcox, William D., Kansas City, Mo.; M. P. Wilcox, executrix of said W. D. Wilcox, deceased, assignor to L. J. Snyder, Kansas City, Mo., J. V. Richards, Pekin, Ill., and H. M. Wilcox, Santa Monica, Calif., as trustees. Obtaining a mixture of carbon monoxide and hydrogen in controlled proportions. 2,256,333; Sept. 16.

Wiley, Verlis. (See Cutting, F., and Wiley.)

Williams, J. H. & Co. (See Kress, Willard C., assignor.)

Williams, Robert D., Memphis, Tenn., assignor to Fairbanks, Morse & Co., Chicago, Ill. Recovery and utilization of waste engine heat. 2,256,303; Sept. 16.

Wills, Walter P., assignor to The Brown Instrument Company, Philadelphia, Pa. Control apparatus. 2,256,304; Sept. 16.

Wilmanns, Gustav. (See Kumetat, K., and Wilmanns.)

Wilson, Jack T. (See Atlee, Z. J., and Wilson.)

Wilson, John C., Bayside, N. Y., assignor to Hazeltine Corporation. Periodic wave repeater. 2,255,839; Sept. 16.

Wingfoot Corporation. (See Lichty, Joy G., assignor.)

Wingfoot Corporation. (See Long, John R., assignor.)

Wingfoot Corporation. (See Mallory, Gerald D., assignor.)

Wingfoot Corporation. (See Martin, Ralph C., assignor.)

Wingfoot Corporation. (See Riehl, Theodore A., assignor.)

Wingfoot Corporation. (See Smith, Chester F., assignor.)

Wingfoot Corporation. (See Snyder, James E., assignor.)

Wingfoot Corporation. (See Watt, George W., assignor.)

Wingfoot Corporation. (See Young, Foster J., assignor.)

Winship, Ralph B., Montreal, Quebec, Canada, assignor, by mesne assignments, to Standard Railway Devices Company. Refrigerator car construction. 2,256,182; Sept. 16.

Wisckol, William A., assignor to Douglas & Lomason Company, Detroit, Mich. Bending machine. 2,255,867; Sept. 16.

Wise, Raleigh J., Dunellen, G. H. Ridings, Summit, and F. L. O'Brien, Lyndhurst, N. J., and F. E. d'Humy, Scarsdale, assignors to the Western Union Telegraph Company, New York, N. Y. System and apparatus for facsimile telegraphy. 2,255,868; Sept. 16.

Wise, Raleigh J. (See Ridings, G. H., and Wise.)

Wojcicki, John, assignor of one-half to J. Bandyga, Chicago, Ill. Burner. 2,256,183; Sept. 16.

Wolf, Anton. (See Klavehn, W., and Wolf.)

Wolf, Carl, Meriden, Conn. Grinding wheel. 2,256,367; Sept. 16.

Wood, Gar, Industries, Inc. (See Haile, Jack B., assignor.)

Wood, John M. (See Traver, W. A., and Wood.)

Wood, Robert W., Detroit, Mich. Conveyer. 2,256,005; Sept. 16.

Woodhouse, John C., New Castle, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Denatured material. 2,256,368; Sept. 16.

Woodruff, Alvie C., Juntura, Oreg. Boat carrying trailer. 2,256,038; Sept. 16.

Woolf, William L., Long Island, N. Y. Communicating device and system. 2,255,840; Sept. 16.

Wyrick, Edward J. (See Gora, J. J., and Wyrick.)

Yates, John, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Tea or coffee bag. 2,255,957; Sept. 16.

Yeager, Anton J., assignor to Prentiss Wabers Products Co., Wisconsin Rapids, Wis. Burner construction. 2,256,305; Sept. 16.

Young, Foster J., Kent, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Rubber hydrochloride sipper. 2,256,159; Sept. 16.

Young, L. A., Spring and Wire Corporation. (See Asaro V., and Krajewski, assignors.)

Younghusband, James L., Chicago, Ill. Cosmetic container. 2,256,132; Sept. 16.

Zaccheo, John, New Rochelle, N. Y. Surgical bandage impregnating device. 2,256,227; Sept. 16.

Zadek, Arthur, New York, N. Y. Carriage clamp. 2,256,107; Sept. 16.

Zeidler, Kurt E., Chicago, Ill., assignor to Standard Railway Equipment Manufacturing Company. Hatch plug. 2,256,334; Sept. 16.

Zeller, Lester L., New Madison, and R. E. Zeller, Versailles, Ohio. Heat distributing unit. 2,256,006; Sept. 16.

Zeller, Ruben E. (See Zeller, Lester L. and R. E.)

Ziegler, Albert F., Cheviot, assignor to Clopay Corporation, Cincinnati, Ohio. Tilt rail structure for Venetian blinds. 2,256,369; Sept. 16.

Ziegler, Robert R., Nutley, assignor to Encor Corporation, Belleville, N. J. Circular shear for shearing circular metal plates. 2,256,306; Sept. 16.

Zimmermann, Otto, Wetzlar, Germany. Optical system for measuring purposes. 2,256,228; Sept. 16.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 16TH DAY OF SEPTEMBER, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Ball, Inflated. M. B. Reach. Re. 21,901; Sept. 16.
Jar. H. M. Gehm. Des. Re. 21,900; Sept. 16.
Tuning device, Push button. H. J. Tyzzer. Re. 21,902; Sept. 16.

LIST OF DESIGN INVENTIONS

Airplane. I. M. Laddon. 129,529; Sept. 16.
Airplane, Glider. C. F. Rocheville. 129,548; Sept. 16.
Applicator and eyelash curler, Combined mascara. A. O. Hanisch. 129,526; Sept. 16.
Badge or similar article. G. M. Marx. 129,511; Sept. 16.
Bicycle frame joint or similar article. H. L. Kraeft. 129,568; Sept. 16.
Bottle. J. Payne. 129,515; Sept. 16.
Bottle or similar article, Cologne. J. D. Buckingham. 129,503; Sept. 16.
Bowl and Holder. Combined flower. A. Rosenfeld. 129,517; Sept. 16.
Bowl or analogous article. C. Haus. 129,479; Sept. 16.
Bottle or similar article, Perfume. G. R. Parkinson. 129,514; Sept. 16.
Bracelet. M. Chernow. 129,521–2; Sept. 16.
Bracelet or the like. L. C. Mark. 129,531; Sept. 16.
Bracelet or the like. L. C. Mark. 129,572; Sept. 16.
Braid. L. Beer. 129,471; Sept. 16.
Bric-a-brac, Piece of. C. W. Parker. 129,513; Sept. 16.
Brooch or similar article. E. J. O'Brien. 129,537; Sept. 16.
Brooch or the like. L. C. Mark. 129,533; Sept. 16.
Brooch or similar article. D. Mir. 129,535; Sept. 16.
Brooch or similar article. A. Philippe. 129,544–5; Sept. 16.
Brooch or similar article. A. Spaney. 129,549; Sept. 16.
Brooch or similar article. A. Spaney. 129,531–3; Sept. 16.
Brooch or similar article. G. Verrecchio. 129,560; Sept. 16.
Brush or similar article, Nasal. C. S. Watson. 129,518; Sept. 16.
Cabinet, Display. R. A. Maurer. 129,534; Sept. 16.
Case, Display. E. P. Gannon. 129,475–7; Sept. 16.
Case, Display. J. B. Guttman. 129,525; Sept. 16.
Chair. L. Jiranek. 129,486; Sept. 16.
Chest. L. Jiranek. 129,482–4; Sept. 16.
Clip, Pin. A. Philippe. 129,516; Sept. 16.
Clip, Pin. A. Philippe. 129,538–43; Sept. 16.
Clip, Pin. A. Spaney. 129,550; Sept. 16.
Coat. A. Del Re. 129,524; Sept. 16.
Cover, Laundry tray. R. M. and I. Moon. 129,536; Sept. 16.
Curler, Hair. G. De Santis. 129,505; Sept. 16.
Cup, Coffee. A. Tujague. 129,496; Sept. 16.
Distributing device and bracket therefor, Solvent. H. W. Mitchell. 129,512; Sept. 16.
Dress. G. Constantine. 129,523; Sept. 16.
Dress. L. Hoshaflan. 129,561; Sept. 16.
Dress. M. K. McClintock. 129,562; Sept. 16.
Dress. M. K. McClintock. 129,574; Sept. 16.
Dress. R. Richman. 129,563; Sept. 16.
Escutcheon for a radio set, Dial. R. D. Budlong. 129,519–20; Sept. 16.
Fabric, Combined pleated and embroidered. J. Nachman. 129,575; Sept. 16.
Fabric, Textile. H. Horowitz. 129,480–1; Sept. 16.
Fabric, Textile. S. B. Schaeffer. 129,490–5; Sept. 16.
Fabric, Textile. S. B. Schaeffer. 129,565–7; Sept. 16.
Fan. W. A. Norris. 129,488; Sept. 16.
Game board. I. P. Cassidy. 129,472; Sept. 16.
Glove. J. F. Ward and M. Wascoe. 129,497–8; Sept. 16.
Guitar or similar musical instrument. F. Gretsch, Jr. 129,478; Sept. 16.
Gun, Gallery air machine. B. A. Hannigan. 129,527; Sept. 16.
Handbag. I. Pichel. 129,569; Sept. 16.
Hanger, Garment. G. J. Rhodes. 129,547; Sept. 16.
Hat. J. Artz. 129,460–70; Sept. 16.
Hat or similar article. R. Jacobson. 129,528; Sept. 16.
Iron, Electric. M. Ireland. 129,507; Sept. 16.
Jar, Glass. W. J. Lundy. 129,509–10; Sept. 16.
Key. C. L. Ragot. 129,546; Sept. 16.
Label, Bow. P. L. Forsman. 129,474; Sept. 16.
Lug and corner for casket handle or similar article. J. Pastor. 129,489; Sept. 16.
Mounting for handbags or the like. S. R. Dupuis. 129,473; Sept. 16.
Necklace. L. C. Mark. 129,532; Sept. 16.
Necklace or the like. L. C. Mark. 129,571; Sept. 16.
Pin or the like. L. C. Mark. 129,570; Sept. 16.
Pin or the like. L. C. Mark. 129,573; Sept. 16.
Press. W. Ernst and J. A. Muller. 129,506; Sept. 16.
Rack, Neck-tie. A. Waterman. 129,499; Sept. 16.
Server, Cocktail. B. B. Manaster. 129,530; Sept. 16.
Shoe wedge and platform or similar article, Combined. A. Kardo-Sessoeff. 129,487; Sept. 16.
Sign, Illuminable house. O. Wright. 129,502; Sept. 16.
Slicing machine. G. R. Wood. 129,559; Sept. 16.
Stamp or similar article. A. Strauss. 129,554–8; Sept. 16.
Stopper or similar article, Bottle. J. D. Buckingham. 129,504; Sept. 16.
Table. L. Jiranek. 129,485; Sept. 16.
Tire. J. G. Rideout. 129,564; Sept. 16.
Toy boat. J. K. Weddell. 129,500; Sept. 16.
Tube and massage device, Combination collapsible. J. N. Landau. 129,508; Sept. 16.
Veiling. A. Weinblum. 129,501; Sept. 16.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 16TH DAY OF SEPTEMBER, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abdominal body brace. P. H. Robbins. 2,256,110; Sept. 16.
Accordion. V. Galanti. 2,256,260; Sept. 16.
Acid, Preparing derivatives of anacardic. E. E. Novotny and G. K. Vogelsang. 2,256,349; Sept. 16.
Aeridine compounds and material colored therewith. J. G. McNally and J. B. Dickey. 2,256,403; Sept. 16.
Adhesion of rubber to cotton, Improving the. R. A. Crawford. 2,256,194; Sept. 16.
Air chamber, Automatic. J. W. Adams. 2,256,370; Sept. 16.
Air conditioning system for railway cars. K. F. Nystrom. 2,256,350; Sept. 16.
Air cooled drive for draft fans. L. T. Mart. 2,256,345; Sept. 16.
Air distributing device. F. J. Kurth. 2,255,850; Sept. 16.
Air envelope knockout, Automatic. E. B. Moore. 2,256,167; Sept. 16.
Air, Humidifying. W. W. Cummings, Jr. 2,256,374; Sept. 16.
Air shutter for oil burners, Automatic. H. B. Donley and S. Johnson. 2,255,917; Sept. 16.
Aircraft, Method and means for guiding. W. Ilberg and K. Röhrich. 2,256,090; Sept. 16.
Aircraft power plant. M. Hahn. 2,256,198; Sept. 16.
Airplane engine. B. C. Lynch. 2,256,094; Sept. 16.
Airplane wing and fuselage. F. E. Best. 2,256,234; Sept. 16.
Alloy: *See*—
  Ferrous alloy.
Aminoplast, Plasticized. G. F. D'Alelio. 2,256,278; Sept. 16.
Amplifier, Audio frequency. R. A. Bierwirth. 2,255,757; Sept. 16.
Amplifier, Radio frequency. J. L. Hathaway and W. C. Resides. 2,255,882; Sept. 16.
Animal feeding device. A. A. MacDonell. 2,256,210; Sept. 16.
Animal trap. S. J. Evans. 2,256,048; Sept. 16.
Animal trap. A. Vickery. 2,255,955; Sept. 16.
Antioxidant for rubber. M. Bögemann, O. Bayer, R. Schröter, and H. Pohle. 2,256,189; Sept. 16.
Apparatus for conditioning chocolate or the like. E. D. Rapisarda. 2,255,986; Sept. 16.
Apparatus for obtaining indications of the pressure and/or variation of pressure in the cylinders of internal combustion engines. E. S. L. Beale and R. Stansfield. 2,256,307; Sept. 16.
Apparatus for plotting line graphs. L. G. Townsend. 2,255,835; Sept. 16.
Apparatus for preparing bituminous cement aggregate compositions. S. E. Finley. 2,256,281; Sept. 16.
Apparatus for stacking articles. I. Hill. 2,256,024; Sept. 16.
Apparatus for treating dough. C. J. Patterson. 2,256,003; Sept. 16.
Aromatic, Making polymerized vinyl articles. E. C. Britton and W. J. Le Fevre. 2,256,160; Sept. 16.
Ash can and sieve. S. M. Moye. 2,256,266; Sept. 16.
Attachment for cultivators and the like. H. G. Dyer. 2,256,384; Sept. 16.
Attachment for vehicle dump bodies, Self-loading. J. S. Boone and J. L. Caldwell. 2,256,042; Sept. 16.
Assembling apparatus and method, Manifold set. H. S. Jones. 2,255,777; Sept. 16.
Automatic throttle control for multiengined aircraft. M. F. Bates. 2,255,753; Sept. 16.
Automatic tool. W. Blair. 2,256,012; Sept. 16.
Axle and making it, Tubular car. B. H. and H. C. Urschel. 2,256,065; Sept. 16.
Axle suspension, Vehicle. M. Wagner. 2,256,069; Sept. 16.
Azo compounds, Preparing. A. Girard. 2,256,261; Sept. 16.
Back pressure valve. R. A. Lillich. 2,256,119; Sept. 16.
Bag: *See*—
  Burlap bag. Tea or coffee bag.
Bandage impregnating device, Surgical. J. Zaccheo. 2,256,227; Sept. 16.
Bar: *See*—
  Reinforced bar.
Battery cable. J. Taylor. 2,255,991; Sept. 16.
Battery post clamp. C. H. Sherrill. 2,255,862; Sept. 16.
Bearing structure. H. A. Hadley. 2,256,318; Sept. 16.
Belt fastener. C. F. Smith. 2,256,155; Sept. 16.
Bending machine. W. A. Wiskol. 2,255,867; Sept. 16.
Binocular. F. Husar. 2,256,026; Sept. 16.
Bit: *See*—
  Diamond bit.
Bituminous paving composition mixing apparatus. E. H. Brayer. 2,256,422; Sept. 16.
Blade holder. P. Jepson. 2,255,930; Sept. 16.
Blasting device. J. Taylor. 2,256,298; Sept. 16.
Block: *See*—
  Hand sanding and rubbing block.
Block making apparatus and manufacture. F. J. Straub. 2,256,361; Sept. 16.
Block system. M. H. Loughridge. 2,255,797; Sept. 16.
Blower for field coils. R. A. Baudry. 2,255,910; Sept. 16.
Board: *See*—
  Running board.
Bottle carrier. N. Hamilton. 2,256,451; Sept. 16.
Box making machine. N. A. Anderson. 2,255,745; Sept. 16.
Bracket structure for Venetian blinds. J. S. Stark. 2,256,359; Sept. 16.
Brake: *See*—
  Fluid operated brake. Rail brake.
  Fluid pressure brake.
Brake. C. W. Sinclair. 2,255,989; Sept. 16.
Brake analyzer, Portable. E. F. Hartlove. 2,256,250; Sept. 16.
Brake arrangement, Track. S. E. Mason. 2,255,798; Sept. 16.
Brake control. F. R. Wehmeier. 2,256,302; Sept. 16.
Brake control, Locomotive. C. C. Farmer. 2,256,280; Sept. 16.
Brake control means. E. G. Erson. 2,256,284; Sept. 16.
Brake control means. C. M. Hines. 2,256,285; Sept. 16.
Brake control means. J. C. McCune. 2,256,287; Sept. 16.
Brake indicator. A. Cerveny. 2,256,371; Sept. 16.
Brake means, Fluid pressure. D. L. McNeal. 2,256,404; Sept. 16.
Brake shoe reinforcing and making the same. W. M. McNeil. 2,256,000; Sept. 16.
Brooder for hogs and the like. F. E. Overson. 2,255,806; Sept. 16.
Building. R. C. Hansen. 2,256,050; Sept. 16.
Bulkhead, Freight car. A. McEwen. 2,256,054; Sept. 16.
Bumper clip and installation thereof. W. H. Churchill. 2,255,966; Sept. 16.
Burlap bag. G. I. Goldwyn. 2,255,845; Sept. 16.
Burner: *See*—
  Oil burner.
  Thermally controlled oil burner.
Burner. J. Wojcicki. 2,256,183; Sept. 16.
Burner construction. A. J. Yeager. 2,256,305; Sept. 16.
Bushing or ring, making same, and mounting therefor. R. Blaho. 2,255,964; Sept. 16.
Cabinet. *See*—
  Display cabinet. Refrigerator cabinet.
  Filing cabinet.
Cable: *See*—
  Battery cable. Electric cable.
Calculating device. H. R. Hughes. 2,256,116; Sept. 16.
Calculating machine. H. T. Avery. 2,255,909; Sept. 16.
Calender, Revolving. L. M. Jackson and W. C. Murphy. 2,256,433; Sept. 16.
Camber adjusting device. J. H. Bender. 2,256,231; Sept. 16.
Camera and exposure meter, Combined. L. Leitz and H. Broschke. 2,256,208; Sept. 16.
Camera, Focusing. C. W. Crumrine. 2,256,373; Sept. 16.
Camera, Roll-film. A. Schatz, J. Braun, and R. Heim. 2,256,172; Sept. 16.
Camera with spring motor, Roll film. L. Leitz and H. Broschke. 2,256,207; Sept. 16.
Can: *See*—
  Dispensing can.
Can opener and pouring device, Combined. C. F. James. 2,255,847; Sept. 16.
Car: *See*—
  Refrigerator car.
Car roof. C. D. Bonsall. 2,256,309; Sept. 16.
Car structure, Refrigerator. C. D. Bonsall. 2,256,376; Sept. 16.
Car wall, Insulated. C. D. Bonsall. 2,256,375; Sept. 16.
Carbon monoxide and hydrogen in controlled proportions, Obtaining a mixture of. W. D. Wilcox. 2,256,333; Sept. 16.
Carriage clamp. A. Zadek. 2,256,107; Sept. 16.
Carrier: *See*—
  Bottle carrier.
Case: *See*—
  Refrigerator display case.
Casing, Instrument. U. L. Smith. 2,255,946; Sept. 16.
Castings Production of centrifugal. H. Projahn. 2,255,896; Sept. 16.
Cellulose fabrics, Rubberizing. J. I. Taylor and K. T. Schaefer. 2,255,834; Sept. 16.

Cellulose, Preparing oxidized. G. D. Hiatt. 2,256,391; Sept. 16.
Cellulosic articles, Manufacture of. A. Sonneveld. 2,255,828; Sept. 16.
Chain lug, Reversible mining machine. H. M. Morrow. 2,255,856; Sept. 16.
Chair construction. J. B. Adler. 2,255,870; Sept. 16.
Change-over switch. J. Tyrner. 2,256,181; Sept. 16.
Chintz, Producing glazed. P. C. Schroy. 2,255,901; Sept. 16.
Cigarette extinguisher. C. A. T. Agee. 2,256,420; Sept. 16.
Circuit: *See*—
Electric translating circuit
Hydraulic circuit.
Tone control circuit.
Voltmeter control circuit.
Volume control circuit.
Circuit for electric discharge devices. R. N. Thayer. 2,256,224; Sept. 16.
Circuit interrupter, Enclosed. M. Huber and A. Dahms. 2,255,927; Sept. 16.
Circuits, Coupling. E. D. Goodale and R. A. Monfort. 2,256,084; Sept. 16.
Circuits, Differential condenser. H. Berthold. 2,256,233; Sept. 16.
Circuits, High frequency coupling. E. D. Goodale. 2,256,085; Sept. 16.
Circuits, Receiver noise control. B. D. H. Tellegen and V. C. Henriquez. 2,256,063; Sept. 16.
Circular shear for shearing circular metal plates. R. R. Ziegler. 2,256,306; Sept. 16.
Clamp: *See*—
Battery post clamp.
Carriage clamp.
Rail splice clamp.
Cleaner: *See*—
Seed cleaner.
Suction cleaner.
Traveler cleaner.
Cleaning device, Catch basin. K. Dargitz. 2,256,045; Sept. 16.
Clock, Radio. S. Sturgel. 2,256,417; Sept. 16.
Closure cap for bottles, jars, and like containers. E. Gray. 2,256,113; Sept. 16.
Clutch: *See*—
Hydraulic clutch.
Clutch. J. J. Flickinger. 2,256,258; Sept. 16.
Clutch control construction. E. O. Shreffler. 2,256,059; Sept. 16.
Clutch mechanism for V-belt drives. J. E. Cregier. 2,256,312; Sept. 16.
Coal sizing apparatus. P. Dane, E. H. McCulloch, and S. Smedley. 2,256,141; Sept. 16.
Coal spreader unit. B. F. Bower. 2,255,841; Sept. 16.
Coal treatment. M. D. Curran. 2,256,017; Sept. 16.
Coat. A. Silverstein. 2,255,823; Sept. 16.
Coatings to sheets, Applying protective. H. L. Kohler. 2,255,978–9; Sept. 16.
Coatings to sheets, Applying protective. H. L. Kohler. 2,255,780; Sept. 16.
Coaxial conductor system. G. L. Usselman. 2,256,066; Sept. 16.
Collapsible box or display device. F. H. Lowe. 2,256,439; Sept. 16.
Combination tool with ignition tester. A. A. Gusiel. 2,256,086; Sept. 16.
Combustion motor. K. E. Kylén. 2,256,437; Sept. 16.
Communicating device and system. W. L. Woolf. 2,255,840; Sept. 16.
Commutator. R. G. McCusker. 2,256,321; Sept. 16.
Compass, Gyroscopic. E. P. Ross. 2,255,809; Sept. 16.
Connecting rod. R. Du Coe. 2,256,075; Sept. 16.
Connector: *See*—
Electric connector.
Electrical connector.
Linking connector.
Strap connector.
Construction unit. C. W. Kraus. 2,256,435; Sept. 16.
Container: *See*—
Cosmetic container.
Powder container.
Refrigerated container.
Sand container.
Container. D. T. Cull. 2,256,111; Sept. 16.
Container. M. McI. Dukehart, Jr. 2,256,257; Sept. 16.
Container. J. H. Murch. 2,255,802; Sept. 16.
Container and dispenser, Match. L. W. Copeland. 2,256,044; Sept. 16.
Container bodies, Method of and apparatus for forming paper. J. Haycock. 2,256,263; Sept. 16.
Container sealing apparatus. R. J. Stewart. 2,256,415; Sept. 16.
Control apparatus. W. P. Wills. 2,256,304; Sept. 16.
Control device, Refrigerator. L. V. McCarty. 2,256,121; Sept. 16.
Control device, Train sanding. J. N. Good. 2,256,262; Sept. 16.
Control mechanism for power operated gear shifting apparatus. G. Meyer. 2,256,440; Sept. 16.
Control system, Hydraulic. C. E. Gifford and J. F. Harrison. 2,256,144; Sept. 16.
Converting system, Electrical current. I. K. Dortort. 2,256,383; Sept. 16.
Conveyer. C. Adamson. 2,255,907; Sept. 16.
Conveyer of the endless band type. J. C. Paterson. 2,256,168; Sept. 16.
Conveyers. R. W. Wood. 2,256,005; Sept. 16.
Conveying apparatus for gas generators. M. O'Brian. 2,256,407; Sept. 16.
Cooling system. C. E. Meyerhoefer. 2,256,322; Sept. 16.
Copolymers, Preparing. J. G. Lichty. 2,256,148; Sept. 16.
Copolymers, Styrene. H. S. Nutting and P. S. Petrie. 2,256,152; Sept. 16.
Cosmetic container. J. L. Younghusband. 2,256,132; Sept. 16.
Counter for shoe press machines. J. F. Smith. 2,256,222; Sept. 16.
Cowling, Aircraft engine. E. A. Eddy. 2,256,448; Sept. 16.
Crib, Baby. M. Klopfer and M. Rothschild. 2,255,791; Sept. 16.
Curler, Hair. M. Dunner. 2,255,968; Sept. 16.
Curtain fixture. J. Schunk. 2,255,822; Sept. 16.
Cutout with lightning protection, Electric. R. S. Bennett. 2,256,232; Sept. 16.
Cutter: *See*—
Sewer pipe cleaning cutter
Cutter head, Dry shaver. A. S. Knapp. 2,256,029; Sept. 16.
Cutting, stretching, and twisting. R. C. Martin. 2,256,151; Sept. 16.
Dead end anchor. S. P. Becker. 2,255,961; Sept. 16.
Denatured material. J. C. Woodhouse. 2,256,368; Sept. 16.
Denature bases, Manufacturing nonshatterable vitreous. P. W. Lee. 2,256,344; Sept. 16.
Desilting machine. C. H. Plumlee. 2,255,807; Sept. 16.
Detachable device for airing clothes. M. M. Berren. 2,256,188; Sept. 16.
Detecting device for ultra short waves, Portable. F. Morawetz. 2,256,323; Sept. 16.
Detector, Frequency modulation. M. G. Crosby and H. Tunick. 2,256,078; Sept. 16.
Device for attaching belt hooks. C. Matthael. 2,255,855; Sept. 16.
Device for converting multiphase alternating current into direct current. H. N. Landon. 2,255,795; Sept. 16.
Device for cutting cheese or similar substances. L. M. Salmon. 2,255,942; Sept. 16.
Device for laying down or measuring angular values. H. B. Porter and S. F. Fahringer. 2,255,808; Sept. 16.
Device for providing twist in rovings preparatory to spinning. A. Kruse. 2,256,436; Sept. 16.
Device responsive to sudden changes in electric circuits. C. D. Hayward. 2,256,251; Sept. 16.
Device responsive to sudden changes in electric circuits. D. E. Mode. 2,256,347; Sept. 16.
Device for securing saws and other appliances to arbors. R. L. Herbst. 2,255,885; Sept. 16.
Diamond bit. F. E. Koebel and J. H. Metz. 2,256,092; Sept. 16.
Diamond tools, Making. R. H. Taylor. 2,256,062; Sept. 16.
Die: *See*—
Thread rolling die.
Die fixture. H. G. Groehn. 2,256,247; Sept. 16.
Diphenylamine, Purification of. W. F. Filbert. 2,256,196; Sept. 16.
Discharge apparatus, Gaseous electric. M. A. Edwards and H. W. Lord. 2,256,242; Sept. 16.
Discharge device, Electron. W. H. Aldous and G. W. Warren. 2,256,335; Sept. 16.
Discharge device, Electron. H. G. Lubszynski. 2,256,460; Sept. 16.
Discharge device, Electron. P. T. Smith and L. P. Garner. 2,256,297; Sept. 16.
Discharge device, Gas. S. Ruben. 2,255,818; Sept. 16.
Discharge device, High frequency electron. B. Salzberg. 2,256,293; Sept. 16.
Discharge stabilizer tube, Glow. E. Müller. 2,256,101; Sept. 16.
Disk gang assembly. O. W. Sjogren. 2,256,220; Sept. 16.
Dispensing can, Self-contained. L. J. Stovel. 2,256,223; Sept. 16.
Dispensing device. W. A. Harris. 2,256,282; Sept. 16.
Dispensing device. P. J. Ulibarr. 2,255,992; Sept. 16.
Dispenser for paper articles. J. B. Engel. 2,256,020; Sept. 16.
Dispensing mechanism. W. A. Gabriel. 2,256,022; Sept. 16.
Display arrangement, Merchandise. P. M. Kleinwachter. 2,255,889; Sept. 16.
Display cabinet. C. D. Fallert. 2,256,339; Sept. 16.
Display form, Skirt. M. Cohen. 2,256,043; Sept. 16.
Display holder. H. McGill. 2,256,122; Sept. 16.
Door: *See*—
Overhead door.
Door and running board for automobiles. E. T. Gregorie. 2,255,880; Sept. 16.
Door attachment. O. E. Riedel. 2,255,860; Sept. 16.
Door fastener. W. M. Dwyer. 2,255,919; Sept. 16.
Draft excluding means. T. J. R. Bright. 2,256,276; Sept. 16.
Draft regulator. G. Dalén and G. K. V. Johanson. 2,255,877; Sept. 16.
Drafting board holder. M. Chabon. 2,256,372; Sept. 16.
Drafting instrument. J. M. Ballou. 2,256,011; Sept. 16.
Drafting machine. H. Wiedemann. 2,256,445; Sept. 16.

Drain pan. G. R. Lindahl. 2,256,053; Sept. 16.
Drawer construction. F. C. Shelters. 2,255,950; Sept. 16.
Drawer construction. E. J. Thompson. 2,255,949; Sept. 16.
Drawer follower. H. W. Regenhardt. 2,256,352; Sept. 16.
Drawing and spooling apparatus, Wire. D. E. and E. F. Lewellen. 2,255,935; Sept. 16.
Dressing apparatus. B. R. Hoobler. 2,255,973; Sept. 16.
Drier, Clothes. C. N. Blaisdell. 2,256,109; Sept. 16.
Drilling-in head, Safety. F. J. Spang and R. B. Anderson. 2,255,829; Sept. 16.
Drying, folding, pressing, and counting machine, Flatwork. B. A. and R. C. Parkes. 2,256,327; Sept. 16.
Dynamoelectric machine. B. H. Caldwell, Jr. 2,256,239; Sept. 16.
Electric cable, Impregnated. H. E. Thompson. 2,255,832; Sept. 16.
Electric conductor, Fluid cooled. A. D. Jardine and H. V. Beronius. 2,256,027; Sept. 16.
Electric connector. F. C. Doughman. 2,255,763; Sept. 16.
Electric discharge apparatus. N. L. Harris and R. H. Kirkness. 2,256,249; Sept. 16.
Electric switch. W. J. Hudson. 2,255,886; Sept. 16.
Electric switch. W. Schmid. 2,256,295; Sept. 16.
Electric translating circuit. L. G. Levoy, Jr. 2,256,209; Sept. 16.
Electrical apparatus. D. Müller-Hillebrand and M. Proschmann. 2,255,926; Sept. 16.
Electrical conductor coated with separator strip and method of manufacture. E. Freydberg, J. F. McCullough, and R. D. Coldwell. 2,255,871; Sept. 16.
Electrical connector. C. E. Wells. 2,255,838; Sept. 16.
Electrical contactor, Traveling. B. W. Benbow. 2,255,874; Sept. 16.
Electrical control. R. M. Somers and C. T. Jacobs. 2,255,905; Sept. 16.
Electrical network. A. W. Vance. 2,255,805; Sept. 16.
Electrolyte for electrolytic condensers. S. Ruben. 2,255,817; Sept. 16.
Electron beam tube. G. F. Brett. 2,256,311; Sept. 16.
Electron beam tube. H. M. Wagner. 2,256,301; Sept. 16.
Electron image tube. H. A. Iams. 2,256,461; Sept. 16.
Electron tube. F. Herriger. 2,256,252; Sept. 16.
Electroresponsive device. L. W. Thompson. 2,256,225; Sept. 16.
Enamel removing means. C. C. Rhodes. 2,256,267; Sept. 16.
Enameling furnace. A. J. Boland. 2,256,275; Sept. 16.
Enclosure. J. A. Volk. 2,255,837; Sept. 16.
Engine: *See*
Airplane engine.
Internal combustion engine.
Rotary engine.
Engine heat, Recovery and utilization of waste. R. D. Williams. 2,256,303; Sept. 16.
Envelope, Manifolding pay. C. J. Allen. 2,256,184; Sept. 16.
Ethers of glycerol. G. L. Doelling. 2,255,916; Sept. 16.
Ethylamine derivative, Saturated. W. Klavehn and A. Wolf. 2,256,434; Sept. 16.
Exercise and massage machine. G. M. Stephens. 2,255,864; Sept. 16.
Exerciser. R. L. Titus. 2,256,001; Sept. 16.
Expansible brake structure. W. H. Hunter and C. E. Snyder. 2,256,431; Sept. 16.
Expansion plug for internal combustion engines. S. E. Pearson. 2,256,217; Sept. 16.
Extension bar for ironing boards. B. E. Nilsson. 2,256,213; Sept. 16.
Exterminator, Grasshopper. F. P. and R. L. Noffsinger and G. H. Loustalet. 2,256,125; Sept. 16.
Extractor: *See*—
Honey extractor.
Fastener: *See*—
Belt fastener.
Door fastener.
Plate fastener.
Fastener. H. Maze. 2,256,401; Sept. 16.
Fastener assembly. G. L. Fowler. 2,255,970; Sept. 16.
Fastening device. R. W. Edwards. 2,256,243; Sept. 16.
Feeding apparatus, Liquid. L. C. Roof. 2,256,268; Sept. 16.
Ferrous alloy. A. T. Cape and C. V. Foerster. 2,256,135–8; Sept. 16.
Filing cabinet. W. F. Regenhardt. 2,256,351; Sept. 16.
Film reading system. R. Stuart. 2,256,178; Sept. 16.
Film, Treating sensitive photographic. M. E. Russell and L. A. Jones. 2,256,356; Sept. 16.
Films from one support to another, Transferring light polarizing. R. P. Blake. 2,256,108; Sept. 16.
Films, Preparing cellulose acetate. E. S. Farrow and S. J. Carroll. 2,256,387; Sept. 16.
Filter. A. Hock. 2,256,145; Sept. 16.
Filter. G. F. McNamara. 2,255,937; Sept. 16.
Fishhook. P. W. Kridler. 2,255,793; Sept. 16.
Fishhook, Trolling. T. Jorgensen. 2,255,976; Sept. 16.
Fishing line bobber. S. H. Makus and W. J. Schultz. 2,255,853; Sept. 16.
5,5-disubstituted-2,4-thiazolidiones and process of making them. H. A. Shonle and W. J. Doran. 2,255,903; Sept. 16.
Flashlight and testing device, Combined. H. H. Tainer. 2,256,129; Sept. 16.
Float, Indicating. C. G. Barber. 2,255,959; Sept. 16.
Floor covering manufacture. R. G. Knowland. 2,255,890; Sept. 16.
Floor structure, Vehicle. F. M. Reid. 2,256,037; Sept. 16.
Fluffer, Handkerchief. J. F. and H. J. Huebsch. 2,255,928; Sept. 16.
Fluid flow meter. M. J. E. Golay. 2,255,771; Sept. 16.
Fluid motor, Reversible vane type. C. M. Kendrick. 2,255,786; Sept. 16.
Fluid operated brake. R. C. Hoyt. 2,255,974; Sept. 16.
Fluid pressure apparatus, Rotary. K. H. MacKay. 2,256,264; Sept. 16.
Fluid pressure brake. E. E. Hewitt and D. L. McNeal. 2,256,283; Sept. 16.
Fluid pressure device. C. M. Kendrick. 2,255,784–5; Sept. 16.
Fluid pressure device. C. M. Kendrick. 2,256,459; Sept. 16.
Fluid pressure device, Rotary. C. M. Kendrick. 2,255,781; Sept. 16.
Fluid pressure device and system. C. M. Kendrick. 2,255,783; Sept. 16.
Fluid pressure device and system. C. M. Kendrick. 2,255,787; Sept. 16.
Fluid pressure means and system. C. M. Kendrick. 2,255,782; Sept. 16.
Folding leg table. G. L. Moore. 2,255,938; Sept. 16.
Footer bar for full fashioned hosiery machines. R. A. Folkman. 2,255,768; Sept. 16.
Footwear, Making. A. Szerenyi and H. Rollmann. 2,256,329; Sept. 16.
Foundry composition. H. W. Dietert. 2,256,046–7; Sept. 16.
Foundry composition. H. W. Dietert. 2,256,456; Sept. 16.
Frame construction, Refrigerator cabinet. W. H. D. Brouse. 2,256,013; Sept. 16.
Freezing apparatus. J. F. Furry and A. D. Ames. 2,256,021; Sept. 16.
Frequency control, Automatic. J. D. Brailsford. 2,255,746; Sept. 16.
Frequency control systems for braking-field oscillators, Automatic. R. W. George. 2,256,083; Sept. 16.
Furnace: *See*—
Enameling furnace.
Metallurgical furnace.
Reverberatory furnace.
Furnace. R. Shellenberger. 2,256,106; Sept. 16.
Furnace wall. J. J. Offutt. 2,255,803; Sept. 16.
Fuse link, Pretensioned. A. G. Steinmayer and C. W. Brown. 2,256,360; Sept. 16.
Game apparatus, Portable. F. J. Schmidt. 2,256,175; Sept. 16.
Game ball, Athletic. M. B. Reach. 2,255,749; Sept. 16.
Game hanger. S. Medigovich. 2,256,123; Sept. 16.
Garbage receptacle. J. Harvard. 2,255,972; Sept. 16.
Gas analysis apparatus. H. Laub. 2,256,395; Sept. 16.
Gate lock, Crossing. M. M. Dilley. 2,255,878; Sept. 16.
Gauge: *See*—
Gear sitting gauge.
Gear setting gauge. R. L. Dodge and F. F. Adkinson. 2,255,996; Sept. 16.
Glider hook for sash balances. J. B. Jessup. 2,256,205; Sept. 16.
Grading and terracing machine. B. F. Owen. 2,256,214; Sept. 16.
Gravity meter. D. H. Clewell and H. A. Maeder. 2,255,876; Sept. 16.
Grid. S. Umbreit. 2,255,906; Sept. 16.
Grinding wheel. C. Wolf. 2,256,367; Sept. 16.
Ground working implement. M. S. Ariens. 2,256,185; Sept. 16.
Guard, Grade crossing. G. C. Burnison. 2,255,911; Sept. 16.
Gum, Method of handling chewing. J. W. Bowman. 2,256,190; Sept. 16.
Gun sight and mounting. G. D. Russell. 2,256,411; Sept. 16.
Gut produced from animal fibrous material, Drying artificial. O. W. Becker and E. Weiss. 2,256,040; Sept. 16.
Gutter support. M. Rachlin. 2,256,126; Sept. 16.
Hair swirler. M. F. Dunlavy. 2,256,143; Sept. 16.
Hair trimming attachment for electric razors. L. M. Coles. 2,256,076; Sept. 16.
Hair wave gauge, comb, and razor, Combination. L. Quinio. 2,256,326; Sept. 16.
Halide emulsion, Photographic silver. K. Kumetat and G. Wilmanns. 2,256,163; Sept. 16.
Hand covering, Welder's. H. N. Gitt, 2nd. 2,256,427; Sept. 16.
Hand sanding and rubbing block. D. Mauldin. 2,256,098; Sept. 16.
Hand swaging tool. H. A. Douglas. 2,256,457; Sept. 16.
Handle. F. Kuhn and L. H. Thomas. 2,256,147; Sept. 16.
Hanger: *See*—
Game hanger.
Harvester, Grain. H. Kuhlmann. 2,255,980; Sept. 16.
Hatch plug. K. E. Zeidler. 2,256,334; Sept. 16.
Heat distributing unit. L. L. and R. E. Zeller. 2,256,006; Sept. 16.

Heat exchange and domestic water supply system, Combined. J. W. Collins. 2,255,967; Sept. 16.
Heat exchanger. E. C. Franco-Ferreira. 2,255,960; Sept. 16.
Heat motor. E. F. Sarver. 2,255,943; Sept. 16.
Heater. G. B. Gallup. 2,256,049; Sept. 16.
Heating appliance, Electric. H. H. Carpenter. 2,255,759; Sept. 16.
Heating system, Dual service. O. G. Watt. 2,255,956; Sept. 16.
Heating system, Suction-vapor. W. M. Smith. 2,255,904; Sept. 16.
Hectograph blanket having a copy mass containing a small percentage of glycol type or sorbitol type solvent. W. J. Champion. 2,255,912; Sept. 16.
Heel for footwear. G. R. and A. N. Rule. 2,255,941; Sept. 16.
Hinge, Toilet seat. J. B. Coggins. 2,255,913; Sept. 16.
Hitch for trailer vehicles or implements. W. L. Braley and M. L. Hildebrand. 2,256,310; Sept. 16.
Holder: *See*—
Blade holder.
Display holder.
Drafting board holder.
Paper holder.
Paper roll holder.
Holder for dye cops, packages, or the like. W. A. Traver and J. M. Wood. 2,255,952; Sept. 16.
Honey extractor, Centrifugal. C. A. Hungerford. 2,255,775; Sept. 16.
Hook: *See*—
Safety hook.
Horologic instrument. J. A. W. Scott. 2,256,412; Sept. 16.
Hose construction. J. F. P. Farrar and A. F. Johnson. 2,256,386; Sept. 16.
Hydraulic circuit. B. Welte. 2,256,332; Sept. 16.
Hydraulic clutch. J. Custer. 2,256,018; Sept. 16.
Hydrocarbon conversion. D. R. Carmody and A. G. Oblad. 2,255,843; Sept. 16.
Hydrocarbon liquids, Vaporizing. S. P. Jones. 2,255,747; Sept. 16.
Hydrocarbons, Alkylation of. A. R. Goldsby, E. F. Pevers, L. A. Clarke, and G. B. Hatch. 2,256,450; Sept. 16.
Hydrocarbons, Producing acetylene from. H. Schilling and L. Heer. 2,256,174; Sept. 16.
Ignition apparatus for internal combustion engines. F. R. F. Ramsay. 2,256,292; Sept. 16.
Image device, Electron. G. A. Morton. 2,255,801; Sept. 16.
Impulse repeating arrangement. W. Rotscheidt. 2,255,816; Sept. 16.
Indicating and/or recording unknown quantities. M. J. Johnson. 2,255,888; Sept. 16.
Indicator: *See*—
Brake indicator.
Load distribution indicator.
Pressure indicator.
Temperature indicator.
Indicator for grinding machines, Electric. H. J. Lovenston. 2,256,120; Sept. 16.
Inhalator. A. R. Morrison. 2,256,212; Sept. 16.
Ink. M. T. Supan. 2,256,128; Sept. 16.
Installation, Fastener secured. C. L. Hall. 2,255,971; Sept. 16.
Internal combustion engines, Cooling the charge of. F. Klein. 2,256,393; Sept. 16.
Internal combustion engine, Multistage. C. W. P. Heylandt. 2,255,925; Sept. 16.
Joint: *See*—
Universal joint.
Journal box lid. T. R. Weber. 2,255,866; Sept. 16.
Junction and switching arrangement for high frequency cables. J. G. Robb. 2,255,898; Sept. 16.
Ketone, Preparation of methyl vinyl. J. R. Long. 2,256,149; Sept. 16.
Knob connection or the like. G. A. Tinnerman. 2,256,419; Sept. 16.
Ladder attachment. C. F. Marshall. 2,256,452; Sept. 16.
Latch: *See*—
Refrigerator latch.
Laundry apparatus. F. Damiano. 2,256,425; Sept. 16.
Lawn mower attachment. L. E. Bangert. 2,256,255; Sept. 16.
Leather substitute, Artificial. C. L. Nottebohm. 2,256,034; Sept. 16.
Lighting fixture, Fluorescent. F. J. Roesler. 2,256,058; Sept. 16.
Linking connector, Hand operated. E. L. Morrow. 2,256,263; Sept. 16.
Load distribution indicator. J. A. Roché. 2,255,814; Sept. 16.
Loud-speaker. M. E. Swift. 2,256,270; Sept. 16.
Lock: *See*—
Gate lock.
Lock for telescopic stems. C. Hansen. 2,256,248; Sept. 16.
Locket, Bracelet. W. Kuehner. 2,255,999; Sept. 16.
Locking dispenser for packaged sheet material. E. R. Crebbs. 2,256,074; Sept. 16.
Logging bunk, Trailer. C. R. Shuey. 2,255,863; Sept. 16.
Lubricant composition and improving agent therefor. O. M. Reiff. 2,256,443; Sept. 16.
Lubricating system. F. S. Bell. 2,256,041; Sept. 16.
Lubricator. M. F. Broden. 2,256,237; Sept. 16.
Lubricator for pneumatic tools, Air-line. A. H. Skaer. 2,255,824; Sept. 16.
Locking device, Window. J. Megela. 2,256,100; Sept. 16.
Luminescent coating for electric lamps. E. T. Caselilni. 2,255,761; Sept. 16.
Lure, Fish. E. F. Hogan. 2,256,088; Sept. 16.
Lure, Artificial fish. C. Mathie. 2,256,346; Sept. 16.
Macerator and juice extractor. R. E. Drachenberg. 2,255,764; Sept. 16.
Machine for enameling the shoulders of collapsible tubes. G. W. Temple. 2,256,363; Sept. 16.
Machine for making paper receptacles. C. A. Moeller. 2,256,124; Sept. 16.
Magnetic body. A. F. Bandur. 2,255,873; Sept. 16.
Magnets, Method and apparatus for casting permanent. J. D. Seaver. 2,256,218; Sept. 16.
Mailing card. J. B. MacHarg. 2,256,399; Sept. 16.
Manufacture of dinitro-ortho-cresol. W. F. Filbert. 2,256,195; Sept. 16.
Manufacture of hardened articles. A. M. Howald and L. S. Meyer. 2,255,998; Sept. 16.
Manufacture of rubber goods. E. L. Hanna. 2,255,772; Material excavating, loading, transporting, and placing machine. J. B. Haile. 2,256,051; Sept. 16.
Material having varying birefringence and manufacture. E. H. Land. 2,256,093; Sept. 16.
Matrix or mold apparatus and making same. R. P. Redmond. 2,256,036; Sept. 16.
Measuring or testing apparatus, Optical. R. E. Reason. 2,256,102; Sept. 16.
Meat product, Marked. H. H. Replogle. 2,255,810; Sept. 16.
Meat, Tenderising and shaping fresh. L. L. Linane and G. Federighi. 2,255,796; Sept. 16.
Mechanical system of the resonance type, Oscillating. G. H. Schieferstein. 2,255,820; Sept. 16.
Mechanism including a driven tool for feeding and operating upon work elements. F. C. Snyder. 2,255,827; Sept. 16.
Metal reshaping tool. R. S. Trachsel. 2,256,130; Sept. 16.
Metal surfaces, and product resulting therefrom, Protecting corrodible. J. R. Skeen. 2,255,826; Sept. 16.
Metal wall, Fabricated. E. G. Lamel. 2,256,394; Sept. 16.
Metals, Production of light. J. D. Hanawalt and J. S. Peake. 2,256,161; Sept. 16.
Metallurgical furnace. H. L. Gentil. 2,255,844; Sept. 16.
Meter: *See*—
Fluid flow meter.
Gravity meter.
Parking meter.
Method and apparatus for forming clay products. H. S. Orth, C. R. Oberst, and W. E. Cramer. 2,256,216; Sept. 16.
Method and apparatus for reducing wear on lubricated bearing surfaces. S. Kyropoulos. 2,256,118; Sept. 16.
Microscope. H. Fricke. 2,256,245; Sept. 16.
Microscopes, Focusing electron. H. Ruska. 2,256,171; Sept. 16.
Microscopes, Method for examining objects in an air space by means of electron. B. v. Borries and H. Ruska. 2,265,191; Sept. 16.
Milk can or container. E. J. Clemons. 2,256,240; Sept. 16.
Mineral oil composition and improving agent therefor. O. M. Reiff. 2,256,441–2; Sept. 16.
Mineral oil product and treating same. T. W. Bartram. 2,256,187; Sept. 16.
Minnow plug, Artificial. O. Schechterle. 2,256,173; Sept. 16.
Modulation. R. Hofer. 2,256,202; Sept. 16.
Mold: *See*—
Retreading mold.
Mold-charging apparatus. F. S. Farley. 2,256,081; Sept. 16.
Molding machine. C. B. Shanley. 2,255,988; Sept. 16.
Moldings, Securing. B. C. Place. 2,255,858; Sept. 16.
Molybdenite by froth flotation, Recovering. T. A. Janney, A. G. Johnson, and C. M. Nokes. 2,255,776; Sept. 16.
Mop. W. G. Bailey. 2,255,872; Sept. 16.
Mop holder and mop. J. McD. Thompson. 2,256,299; Sept. 16.
Motor: *See*—
Combustion motor.
Heat motor.
Toy airplane motor.
Motor. R. B. Potter. 2,256,035; Sept. 16.
Motor support and belt tightening apparatus, Resilient. E. L. Anderson. 2,255,908; Sept. 16.
Mounting: *See*—
Ophthalmic mounting.
Spectacle mounting.
Movable support. J. R. Thomas. 2,256,004; Sept. 16.
Mower structure. H. W. Simpson. 2,256,413; Sept. 16.
Multimotored vehicle. F. A. Ward. 2,256,131; Sept. 16.
Nickel and nickel alloy, Workable. L. B. Pfeil. 2,255,895; Sept. 16.
Nozzle, Exhaust and suction. F. H. Carroll. 2,255,760; Sept. 16.
Nut, Self-locking socket. C. A. Swanstrom. 2,255,948; Sept. 16.
Oil burner. K. K. H. Eweryd, T. A. Ödman, and L. A. Widing. 2,256,080; Sept. 16.

Oil from hydroxylated fatty acids. A. E. Rheineck and J. S. Long. 2,256,353; Sept. 16.
Oil, Refining vitaminiferous. L. O. Buxton and E. J. Simons. 2,255,875; Sept. 16.
Oil well casing. T. J. Crawford. 2,256,455; Sept. 16.
Oils, Reconditioning of absorption. W. A. McMillan. 2,256,405; Sept. 16.
Opener, Can. J. F. Schindler. 2,255,944; Sept. 16.
Opener, Envelope. H. V. Shuler. 2,255,945; Sept. 16.
Ophthalmic mounting. E. M. Splaine. 2,255,831; Sept. 16.
Optical system for measuring purposes. O. Zimmermann. 2,256,228; Sept. 16.
Ornamental wrapping sheet and making the same. J. G. Vergobbi. 2,255,953; Sept. 16.
Oscillating device. K. K. Probst. 2,256,055; Sept. 16.
Overhead door. D. Gallagher and F. W. Riverman. 2,255,769; Sept. 16.
Packaging. J. E. Snyder. 2,256,156; Sept. 16.
Packaging machine. R. W. Vergobbi. 2,255,954; Sept. 16.
Packing. P. B. Hultkrans. 2,255,975; Sept. 16.
Packing, Machinery. C. R. Hubbard. 2,256,343; Sept. 16.
Paint composition. J. R. Skeen. 2,255,825; Sept. 16.
Panel elements, Making composite. C. Batcheller. 2,256,272; Sept. 16.
Paper converting machine. D. M. Feurt. 2,256,082; Sept. 16.
Paper holder, Roll. S. N. Hope. 2,256,342; Sept. 16.
Paper machine. K. H. Tomtlund. 2,255,951; Sept. 16.
Paper rod and constructing the same. M. Katz. 2,255,887; Sept. 16.
Paper roll holder. G. A. Shaffer. 2,255,861; Sept. 16.
Paper-trimming machine. S. K. Grammer. 2,255,846; Sept. 16.
Parking meter. L. V. Lucia. 2,256,398; Sept. 16.
Patterns, Foaming mold. J. B. Brennan. 2,256,338; Sept. 16.
Pen, Fountain. H. R. Hughes. 2,256,430; Sept. 16.
Pen nib. H. R. Hughes. 2,256,429; Sept. 16.
Phase and frequency modulation, Eliminating. C. W. Hansell. 2,256,199; Sept. 16.
Phasing system. L. A. Thompson. 2,256,364; Sept. 16.
Photoelectric device and manufacture. W. Hickok. 2,256,341; Sept. 16.
Photographic reproduction apparatus. J. B. Tupper. 2,256,064; Sept. 16.
Piano. W. S. Watts. 2,255,865; Sept. 16.
Picture apparatus, Motion. J. F. Leventhal. 2,255,892; Sept. 16.
Pile flocking. R. W. Kent. 2,255,779; Sept. 16.
Pilot valve. H. J. Mastenbrook. 2,256,165; Sept. 16.
Pineapple plants bearing a ratoon crop, Culture of. W. A. Wendt. 2,256,254; Sept. 16.
Pipe: *See*—
Smoking pipe.
Pipe bending assemblage. E. M. Pfauser. 2,255,985; Sept. 16.
Pipe, Method and apparatus for molding concrete. C. B. Breedlove. 2,256,235; Sept. 16.
Planographic plates, Removing images from. A. George. 2,256,449; Sept. 16.
Plastic and making the same. J. N. Kuzmick and L. S. Hilton. 2,255,891; Sept. 16.
Plastics, Production of protein-containing urea-formaldehyde. O. Neuss. 2,256,253; Sept. 16.
Plasticizer. R. P. Cosgrove. 2,255,995; Sept. 16.
Plate, Battery. McC. Shank. 2,256,105; Sept. 16.
Plate fastener. T. Watter. 2,256,331; Sept. 16.
Plow, Self-lifting. P. C. Axtell. 2,256,039; Sept. 16.
Plug: *See*—
Hatch plug.
Minnow plug.
Pneumatic displacement pump. L. Hegy. 2,255,924; Sept. 16.
Pocket syringe. B. L. Taylor. 2,255,833; Sept. 16.
Polarizing material, Formation of light. H. G. Rogers. 2,255,940; Sept. 16.
Polyazo compounds. E. A. Markush. 2,256,096; Sept. 16.
Portable welding device. A. D. Jardine and H. V. Beronius. 2,256,028; Sept. 16.
Powder container. F. H. Maloney. 2,256,095; Sept. 16.
Power generating apparatus. O. Schlipfer. 2,256,294; Sept. 16.
Power mowing machine. A. Ronning. 2,256,219; Sept. 16.
Power plant, Vibrationless. P. Heftler. 2,255,773; Sept. 16.
Precision apparatus for dividing flowing liquids into definite proportions. K. E. Stuart. 2,256,362; Sept. 16.
Pressure indicator. F. L. Prescott. 2,255,809; Sept. 16.
Printer, Photographic. W. H. Richards. 2,255,811; Sept. 16.
Printer, Projection. R. M. Evans and B. E. Luboshez. 2,256,385; Sept. 16.
Printer slotter, combined pull roll, and gate control. T. S. Fitchett. 2,256,244; Sept. 16.
Prints, Producing vat dyestuff. E. Kambli, E. Stoecklin, and R. Tobler. 2,255,778; Sept. 16.
Producing jack sinkers for straight bar knitting machines. G. H. Green. 2,256,428; Sept. 16.
Projection printer. B. E. Luboshez. 2,256,396; Sept. 16.
Projecting apparatus, Optical. R. E. Reason. 2,256,103; Sept. 16.
Projection printer. B. E. Luboshez. 2,256,397; Sept. 16.
Projector. D. I. Critoph and W. H. Popp. 2,256,424; Sept. 16.
Projector. E. Salani. 2,255,819; Sept. 16.
Propeller having rotatable blades, Ship. J. E. Englesson. 2,255,920; Sept. 16.
Propeller synchronizing and other instruments. W. P. Powers. 2,256,170; Sept. 16.
Protector: *See*—
Shoe protector.
Pulley or like block. G. T. Smith. 2,256,296; Sept. 16.
Pulse modulation system. W. A. Beatty. 2,256,336; Sept. 16.
Pump: *See*—
Pneumatic displacement pump.
Well pump.
Pump. H. Crewdson. 2,256,423; Sept. 16.
Pump and motor. E. Benedek. 2,255,962; Sept. 16.
Pump assembly. K. E. Lundin. 2,255,851–2; Sept. 16.
Pump system, Hydraulic. E. M. Pfauser. 2,255,984; Sept. 16.
Pumping apparatus. W. F. Mayer. 2,256,099; Sept. 16.
Quartenary nitrogen compounds. G. Balle and K. Horst. 2,256,186; Sept. 16.
Rack for lawn mowers. C. M. McCarthy. 2,256,166; Sept. 16.
Rack for refrigerator vehicles, Floor. G. P. Torburn. 2,256,180; Sept. 16.
Radio communication. A. N. Rebori and J. P. Hume. 2,255,897; Sept. 16.
Rail brake. H. Posentrup and H. Schutte. 2,256,325; Sept. 16.
Rail splice clamp. R. J. Chapman. 2,256,192; Sept. 16.
Rail structure for Venetian blinds, Tilt. A. F. Ziegler. 2,256,369; Sept. 16.
Railroad crossing, Laminated. P. E. Hoak. 2,256,025; Sept. 16.
Rasp bar for grain threshing cylinders. H. S. and W. S. Ausherman. 2,256,010; Sept. 16.
Razor blade and sharpener, Hollow-ground safety. F. E. McKee. 2,256,032; Sept. 16.
Receiver, Frequency modulation. M. G. Crosby. 2,256,077; Sept. 16.
Receiving system, Radio. R. A. Weagant. 2,256,070; Sept. 16.
Receptacle: *See*—
Garbage receptacle.
Rectifier, High voltage. C. P. Vogel. 2,256,330; Sept. 16.
Reel. P. W. Matthews. 2,256,400; Sept. 16.
Reflector device. J. C. Haggart, Jr. 2,255,748; Sept. 16.
Refractive equalizer. G. W. Barnes. 2,256,133; Sept. 16.
Refractory bodies of tin oxide, Making. D. McLachlan, Jr. 2,256,033; Sept. 16.
Refrigerated container. L. F. Clerc. 2,256,110; Sept. 16.
Refrigerating apparatus. J. W. Craig. 2,256,139; Sept. 16.
Refrigerating apparatus. N. J. Smith. 2,256,127; Sept. 16.
Refrigeration apparatus of the compression type. R. Hintze. 2,256,201; Sept. 16.
Refrigerator cabinet. J. L. Knight. 2,256,206; Sept. 16.
Refrigerator car. C. D. Bonsall. 2,256,377–8; Sept. 16.
Refrigerator car. P. E. Finger. 2,256,197; Sept. 16.
Refrigerator car structure. E. E. Schlesinger. 2,255,900; Sept. 16.
Refrigerator car construction. R. B. Winship. 2,256,182; Sept. 16.
Refrigerator display case. R. H. Starr. 2,255,947; Sept. 16.
Refrigerator latch. W. O. Burke. 2,256,447; Sept. 16.
Register drive for dispensing pumps. C. S. Hazard and W. L. Marden. 2,255,883; Sept. 16.
Regulator: *See*—
Draft regulator.
Reinforcing bar. J. D. Stites. 2,256,060; Sept. 16.
Relaying system, Carrier-current protective. B. E. Lenehan and S. L. Goldsborough. 2,255,934; Sept. 16.
Release valve Quick. W. E. Huffman and G. W. Replogle. 2,255,774; Sept. 16.
Relief valve, Dual. H. T. Wentworth. 2,256,365; Sept. 16.
Repair equipment, Automobile. E. H. Schultz. 2,255,987; Sept. 16.
Resin reaction products, Maleic anhydride-polyhydric alcohol-natural. I. Rosenblum. 2,256,444; Sept. 16.
Retreading mold. E. A. Glynn. 2,255,770; Sept. 16.
Reverberatory furnace. J. H. Ambrose. 2,256,271; Sept. 16.
Ribbon actuating mechanism. W. Dieck. 2,256,256; Sept. 16.
Rod: *See*—
Connecting rod.
Rod construction, Curtain. P. B. Stratton. 2,255,990; Sept. 16.
Roofing anchor strip. C. J. Dexter. 2,256,313; Sept. 16.
Roost, Poultry. H. Forsyth. 2,256,259; Sept. 16.
Rotary engine. E. A. Switzer. 2,256,418; Sept. 16.
Rubber articles, Making microporous. E. G. Partridge. 2,256,408; Sept. 16.
Rubber, Vulcanization of. G. W. Watt. 2,256,157; Sept. 16.
Running board, Vehicle drop. C. O. Griffith. 2,256,389; Sept. 16.
Safety control device. T. Brown. 2,256 238; Sept. 16.

Safety control, Hydraulic vehicle brake. G. C. Mosher. 2,256,348; Sept. 16.
Safety device for power presses. K. H. Morck. 2,256,458; Sept. 16.
Safety hook. E. J. Mahoney. 2,256,164; Sept. 16.
Sagger pins, Packaging. H. S. Orth, C. R. Oberst, and W. E. Cramer. 2,256,215; Sept. 16.
Salts in gelatin, Preventing precipitation of alkaline-earth metal. E. Hewitson. 2,256,390; Sept. 16.
Sand container. J. C. McCune. 2,256,290; Sept. 16.
Sanding apparatus, Rail. J. Canetta. 2,256,289; Sept. 16.
Sanding apparatus, Rail. J. C. McCune. 2,256,288; Sept. 16.
Sanitary valve. N. Atterbury. 2,256,230; Sept. 16.
Saw clamp and file guide. J. W. Coghlan. 2,256,016; Sept. 16.
Scooter ski. R. R. Hylan. 2,256,203; Sept. 16.
Scraper, Sleet. E. Sears. 2,256,357; Sept. 16.
Screen. G. A., G., and C. Overstrom. 2,255,939; Sept. 16.
Screening apparatus. K. L. Smith. 2,256,358; Sept. 16.
Screw, Thread cutting. W. M. Hanneman. 2,255,997; Sept. 16.
Seat: *See*—
Vehicle seat.
Seed cleaner. E. D. Eddy. 2,256,316; Sept. 16.
Seed germinator and plant cover. W. V. Stahl. 2,256,414; Sept. 16.
Selectivity control, Receiver. J. van Slooten. 2,256,067; Sept. 16.
Selectivity device, Variable. W. L. Carlson. 2,256,073; Sept. 16.
Selector and image rejector circuit. F. Cutting and V. Wiley. 2,256,277; Sept. 16.
Separation of air by liquefaction and rectification. P. Borchardt. 2,256,421; Sept. 16.
Separator. J. C. Hobbs. 2,256,115; Sept. 16.
7-dehydro-steroids, Production of. H. R. Rosenberg and T. Parsons, Jr. 2,255,815; Sept. 16.
Sewer pipe cleaning cutter. J. C. Miller. 2,255,800; Sept. 16.
Shaft cooling system for blast furnaces. T. Thomson. 2,256,179; Sept. 16.
Shaker. G. H. Meinzer. 2,255,799; Sept. 16.
Shearing elongated material. J. W. Sheperdson. 2,256,176; Sept. 16.
Shearing heads of dry shavers, Forming the. J. Ormond. 2,255,894; Sept. 16.
Ship's hatch. S. Hay. 2,256,087; Sept. 16.
Shoe-bottom cementing machine. W. L. MacKenzie. 2,255,854; Sept. 16.
Shoe protector. J. Khandjian. 2,256,091; Sept. 16.
Shower, Compartment. H. G. Mullett. 2,255,893; Sept. 16.
Shutter, Focal plane. A. Wagner and F. Mai. 2,256,226; Sept. 16.
Signaling device. H. N. Carver. 2,256,014–15; Sept. 16.
Siphoning device. C. A. Iverson. 2,256,432; Sept. 16.
Sipper, Rubber hydrochloride. F. J. Young. 2,256,159; Sept. 16.
Ski binding. O. Miöen. 2,256,291; Sept. 16.
Slicing and grinding machine, Button blank. W. E. Knott. 2,256,146; Sept. 16.
Smoking pipe. L. Keffeler. 2,255,848; Sept. 16.
Snowplow. J. A. Begley. 2,256,273; Sept. 16.
Sound and picture reproducing apparatus, Portable. V. J. Boor and A. J. Bradford. 2,256,337; Sept. 16.
Sound recording, Variable density. J. H. McLeod and O. Sandvik. 2,256,402; Sept. 16.
Spectacle mounting. J. W. Engler. 2,255,767; Sept. 16.
Speed changer. W. N. Olson. 2,255,983; Sept. 16.
Speed drive with multiple belts, Variable. D. Heyer. 2,256,114; Sept. 16.
Spring. E. R. Weisbender. 2,256,158; Sept. 16.
Spring cushion, Flexible. G. W. Bristol. 2,256,236; Sept. 16.
Spring cushion structure. V. Asaro and E. Krajewski. 2,255,958; Sept. 16.
Squeezer, Lemon. L. H. Whorton. 2,255,750; Sept. 16.
Starting means for synchronous motors. S. B. Griscom. 2,255,923; Sept. 16.
Steam generator with forced circulation. H. Peters. 2,256,169; Sept. 16.
Steering gear for vehicles. E. J. Weston. 2,256,366; Sept. 16.
Steering wheel. H. C. Robbins and C. F. Hilldring. 2,255,813; Sept. 16.
Stepladder, Folding. J. M. Biegen. 2,255,756; Sept. 16.
Stockings for marketing, Preparation of. A. E. and A. E. Vaughan, Jr. 2,255,836; Sept. 16.
Stop for engines, Safety. A. Lagerberg. 2,255,981; Sept. 16.
Straightedge device, Parallel. H. L. De Lisle. 2,256,241; Sept. 16.
Strap connector. R. Vöster. 2,256,068; Sept. 16.
Strip or sheets, Cleaning and drying. W. M. Quigley. 2,255,850; Sept. 16.
Structure, Assembled. C. Ringle. 2,256,104; Sept. 16.
Suction cleaner. W. G. Kilpatrick. 2,255,788; Sept. 16.
Suction cleaner. C. G. Troxler. 2,255,790; Sept. 16.
Suction cleaner. H. B. White. 2,255,789; Sept. 16.
Suit, Body conditioning apparatus. P. A. Bancel. 2,255,751; Sept. 16.
Sulphanilamides, Salicylic acid sulphonyl. F. Boedecker and A. Heymons. 2,256,274; Sept. 16.
Support: *See*—
Gutter support.
Movable support.
Vehicle flag support.
Support for hoists. A. Pucci. 2,256,409; Sept. 16.
Supporting and manipulating curtains and the like. F. D. Armstrong. 2,256,008; Sept. 16.
Supporting structure, Semitrailer. F. M. Reid. 2,156,328; Sept. 16.
Surgical ligature applicator. P. D. Dole. 2,256,382; Sept. 16.
Swash plate mechanism. R. W. Dinzl. 2,256,079; Sept. 16.
Switch: *See*—
Change-over switch.
Electric switch.
Synchronizing device, Photoflash. W. A. Riddell. 2,256,354–5; Sept. 16.
Synchronizing means. L. A. Bixby and R. Lapsley. 2,256,308; Sept. 16.
System and apparatus for facsimile telegraphy. G. H. Ridings and R. J. Wise. 2,255,809; Sept. 16.
System and apparatus for facsimile telegraphy. R. J. Wise, G. H. Ridings, F. L. O'Brien, and F. E. d'Humy. 2,255,868; Sept. 16.
Table: *See*—
Folding leg table.
Tag, Identification. M. Spencer. 2,255,830; Sept. 16.
Tape drawing frame for spinning and similar machines, Double. L. Schlipp and M. Boettle. 2,255,821; Sept. 16.
Tea or coffee bag. J. Yates. 2,255,957; Sept. 16.
Telegraph apparatus, Printing perforating. R. A. Lake. 2,255,794; Sept. 16.
Telephone system. H. Dreyer and S. Kraatz. 2,255,765; Sept. 16.
Telephone system and automatic switch suitable for use therein. J. St. C. W. Graham. 2,255,881; Sept. 16.
Television, Device applicable mainly to. S. Van Mierlo. 2,256,300; Sept. 16.
Temperature indicator. H. A. Andresen. 2,256,007; Sept. 16.
Tester, Pipe joint. C. A. Fear. 2,255,921; Sept. 16.
Tetrachlorethylene, Producing. G. Basel and E. Schaeffer. 2,255,752; Sept. 16.
Textile materials, Treatment of artificial. H. Dreyfus. 2,255,766; Sept. 16.
Therapeutic device. C. O. Johnston. 2,256,286; Sept. 16.
Therapeutics. K. C. D. Hickman. 2,256,392; Sept. 16.
Thermally controlled oil burner. M. D. Huston and J. G. Gilmore. 2,255,929; Sept. 16.
Thermionic tube and circuit. C. F. Stromeyer. 2,256,177; Sept. 16.
Thermohydrometer. H. W. Eden. 2,256,019; Sept. 16.
Thread rolling die. A. Stoll. 2,256,269; Sept. 16.
Timing device. K. V. Keeley. 2,256,117; Sept. 16.
Tire construction. A. A. Bush. 2,256,994; Sept. 16.
Tire cord and the like. T. A. Riehl. 2,256,153; Sept. 16.
Tire valve. H. T. Kraft and W. C. McCoy. 2,255,932; Sept. 16.
Tissue dispenser for automobiles. C. M. Jameson. 2,256,204; Sept. 16.
Tone control circuit. L. Brück. 2,256,072; Sept. 16.
Tone control circuit. W. van B. Roberts. 2,256,057; Sept. 16.
Tool: *See*—
Automatic tool.
Hand swaging tool.
Metal reshaping tool.
Valve tool.
Top roll. L. D. Cobb. 2,256,193; Sept. 16.
Torque-measuring wrench. W. C. Kress. 2,255,792; Sept. 16.
Toy airplane motor. J. Molnar. 2,256,002; Sept. 16.
Toy hen. J. J. Gora and E. J. Wyrick. 2,256,340; Sept. 16.
Trailer, Boat carrying. A. C. Woodruff. 2,256,038; Sept. 16.
Train, Pipe scraping. H. R. Crane. 2,255,914; Sept. 16.
Transfer machine, Return-type fast. V. Finston. 2,255,922; Sept. 16.
Transmission. R. Lapsley. 2,256,320; Sept. 16.
Transmission. E. Orshansky, Jr. 2,256,324; Sept. 16.
Transmission, Drive. M. A. Holpfer. 2,256,089; Sept. 16.
Transmission dynamometer. N. S. Muir. 2,256,406; Sept. 16.
Transmission, Fluid. G. A. Wahlmark. 2,255,993; Sept. 16.
Transmission, Hydraulic. E. K. Benedek. 2,255,963; Sept. 16.
Transmission system, carrier wave. C. W. Earp. 2,256,317; Sept. 16.
Transmitter control, Hydraulic power. F. N. Osmun. 2,255,857; Sept. 16.
Transmitting device, Television. H. A. Iams. 2,256,462; Sept. 16.
Trap: *See*—
Animal trap.
Traveler cleaner, Adjustable. A. J. Alleman. 2,256,446; Sept. 16.
Trimming and cutting device, Material. R. B. Rickman. 2,255,812; Sept. 16.
Truck, Industrial lift. W. P. Bomar. 2,256,453–4; Sept. 16.
Truck, Industrial. E. J. Dunham. 2,256,314; Sept. 16.

Truck, Lift. E. J. Dunham. 2,256,315; Sept. 16.
Truck, Railway. D. S. Barrows. 2,255,960; Sept. 16.
Truck, Transport. B. G. Call. 2,255,758; Sept. 16.
Tube: *See*—
Discharge stabilizer tube.
Electron beam tube.
Electron image tube.
Electron tube.
Tubes, Manufacturing. R. Damien. 2,256,426; Sept. 16.
Tubing connection, Flexible. D. W. Fentress, 2,256,388; Sept. 16.
Tubing tong. J. P. Ratigan. 2,256,056; Sept. 16.
Tuning arrangement. L. L. de Kramolin. 2,255,915; Sept. 16.
Turbine casing, Elastic fluid. A. R. Smith. 2,256,221; Sept. 16.
Underwear, Man's. G. M. Kloster. 2,255,931; Sept. 16.
Universal joint, Constant velocity. A. Y. Dodge. 2,255,762; Sept. 16.
V belt. T. L. Hedgpeth. 2,255,884; Sept. 16.
Valve: *See*—
Back pressure valve.
Dual relief valve.
Sanitary valve.
Pilot valve.
Release valve.
Tire valve.
Valve. A. J. Johnson. 2,256,319; Sept. 16.
Valve. J. R. Stockstill. 2,256,416; Sept. 16.
Valve apparatus for pumping systems. I. E. Litz. 2,256,031; Sept. 16.
Valve device for fountain brushes. E. S. Garvey. 2,255,879; Sept. 16.
Valve device, Retaining. C. C. Farmer and E. E. Hewitt. 2,256,279; Sept. 16.
Valve gear for locomotives, Auxiliary. H. J. Sherrill. 2,255,902; Sept. 16.
Valve tool. K. A. Tapken. 2,256,061; Sept. 16.
Vapor and liquid contact apparatus. J. M. Larsen. 2,256,438; Sept. 16.
Vehicle: *See*—
Multimotored vehicle.
Vehicle flag support. M. E. Dean. 2,256,142; Sept. 16.
Vehicle seat, Adjustable. L. C. Atwood. 2,256,009; Sept. 16.
Vehicle seat, Adjustable. J. F. Harmon. 2,256,023; Sept. 16.
Velocipede. J. A. La Bille. 2,256,052; Sept. 16.
Vending machine. J. H. Bridwell. 2,255,842; Sept. 16.
Ventilating and illuminating device, Combined. F. J. Kurth. 2,255,849; Sept. 16.
Vernier caliper, depth gauge, and height gauge, Combination. J. Lipani. 2,256,030; Sept. 16.
Vibratory shut-off valve. R. E. Brandon. 2,255,965; Sept. 16.
Voltmeter circuit. S. Minneci. 2,256,211; Sept. 16.
Volume control circuit, Audio amplifier. L. Brück. 2,256,071; Sept. 16.
Watchcase. D. J. Heilman. 2,256,200; Sept. 16.
Wave repeater, Periodic. J. C. Wilson. 2,255,839; Sept. 16.
Wave translating system, Feedback. N. J. Oman. 2,255,804; Sept. 16.
Weather strip. A. J. Mayer. 2,255,936; Sept. 16.
Weeder attachment. J. M. Dalimata. 2,256,140; Sept. 16.
Welding apparatus. J. F. Geibel. 2,256,246; Sept. 16.
Well pump. H. R. Downs. 2,255,918; Sept. 16.
Wells, Multiple record electrologging of. L. C. Beers. 2,255,754; Sept. 16.
Wheel: *See*—
Grinding wheel.
Steering wheel.
Wheel and cleat therefor, Traction. P. Chaffin. 2,256,379; Sept. 16.
Winch. J. C. Smaltz and C. W. Kahlerth. 2,256,154; Sept. 16.
Window. J. M. Mahoney and D. R. Leahy. 2,256,097; Sept. 16.
Window, Variable density. E. H. Land. 2,255,933; Sept. 16.
Wrench: *See*—
Torque-measuring wrench.
Wringer and the like. W. L. Kauffman, II. 2,255,977; Sept. 16.
Wringer and the like. W. L. Kauffman, II. 2,256,162; Sept. 16.
X-ray tube and shield. Z. J. Atlee and J. T. Wilson. 2,256,229; Sept. 16.
Yarn, Apparatus and method for producing elastic. G. D. Mallory. 2,256,150; Sept. 16.
Yarn conditioning. J. B. Dickey. 2,256,380; Sept. 16.
Yarn conditioning process and composition therefor. J. B. Dickey. 2,256,112; Sept. 16.
Yarn conditioning process and compositions therefor. J. B. Dickey. 2,256,381; Sept. 16.
Yarns, Production of composite. A. S. Bell. 2,255,755; Sept. 16.

CLASSIFICATION OF PATENTS

ISSUED SEPTEMBER 16, 1941

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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49.4: 2,255,855
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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,255,766:	8—142.5	2,255,930:	30— 151	2,256,088:	43— 37	2,256,215:	226— 14
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U. S. GOVERNMENT PRINTING OFFICE: 1941

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abbott Laboratories, North Chicago, Ill. Vasodilator indicated in the relief of spasm in coronary disease. Serial No. 445,599; Sept. 23. Class 6.

Alba Pharmaceutical Company, Inc., New York, N. Y. Antiseptic and disinfectant preparation. Serial No. 445,483; Sept. 23. Class 6.

American Dietaids Company, Inc., Yonkers, N. Y. Preparation containing calcium phosphorous, and vitamin D. Serial No. 445,785; Sept. 23. Class 6.

Animated Air Incorporated, New York, N. Y. Air conditioning units. Serial No. 419,994; Sept. 23. Class 34.

Armstrong Cork Company, Lancaster, Pa. Prefabricated, decorative elements of linoleum and similar hard surface floor coverings. Serial No. 446,154; Sept. 23. Class 20.

Armstrong Cork Company, Lancaster, Pa. Ribbons or bands of linoleum and similar hard surface floor coverings. Serial No. 446,155; Sept. 23. Class 20.

Armstrong Cork Company, Lancaster, Pa. Linoleum and similar hard surface floor coverings. Serial Nos. 446,156–7; Sept. 23. Class 20.

Babs Junior Incorporated, New York, N. Y. Junior and misses' dresses. Serial No. 444,817; Sept. 23. Class 39.

Baer, Fritz S., doing business as F. S. Baer Co., Los Angeles, Calif. Cigars, cigarettes, smoking tobacco, and chewing tobacco. Serial No. 443,217; Sept. 23. Class 17.

Beldoch-Popper Inc., New York, N. Y. Sweaters, and sweater ensembles, consisting of sweater and coat. Serial No. 445,485; Sept. 23. Class 39.

Ben-Burk, Inc., Boston, Mass. Rye and bourbon whiskey. Serial No. 442,686; Sept. 23. Class 49.

Benmont Papers, Inc., Bennington, Vt. Waxed paper, waxed paper lunch rolls, dry and waxed shredded paper, Christmas wrapping paper, etc. Serial No. 444,856; Sept. 23. Class 37.

Benson, W. L., Bridgeton, Ind. Synthetic hormone compound, which when applied to seed, reinforces and helps control processes of the natural hormone found in every plant, etc. Serial No. 445,712; Sept. 23. Class 6.

Blank, Nathan, Brooklyn, N. Y. Leather and shoe polishes and detergents. Serial No. 444,322; Sept. 23. Class 4.

Bonat, Samuel, & Bro., New York, N. Y. Machineless permanent hair waving solution. Serial No. 446,016; Sept. 23. Class 6.

Bradley, Milton, Company, Springfield, Mass. Board game. Serial No. 445,801; Sept. 23. Class 22.

Brulin & Company, Inc., Indianapolis, Ind. Cleaning compound for cleaning floors, woodwork, painted walls, and any surface. Serial No. 442,252; Sept. 23. Class 4.

Capucho, Fonseca & Frias, Ltda., Vila Nora De Gaia, Portugal. Wines and vermouth. Serial No. 440,577; Sept. 23. Class 47.

Carson Pirie Scott & Company, Chicago, Ill. Wall brackets, and bathroom accessories. Serial No. 432,600; Sept. 23. Class 13.

Celanese Corporation of America, New York, N. Y. Water-proof fabrics. Serial No. 444,928; Sept. 23. Class 50.

Clark, J. R., Co., The, Minneapolis, Minn. Ironing tables. Serial No. 439,512; Sept. 23. Class 24.

Collins, Austin T., doing business as Miracle Lubricating Company, Detroit, Mich. Lubricating oils. Serial No. 431,545; Sept. 23. Class 15.

Continental Coffee Company, Inc., Chicago, Ill. Coffee urns. Serial No. 444,755; Sept. 23. Class 13.

Cooper, Wells & Company, St. Joseph, Mich. Hosiery. Serial No. 445,517; Sept. 23. Class 39.

Coyne, William F., doing business as Shu-Rap & Sava-Towl Paper Products Co., Chicago, Ill. Absorbent felt or paper mats to stand or sit on. Serial No. 445,518; Sept. 23. Class 50.

Czarnikow-Rionda Company, New York, N. Y. Sugar. Serial No. 442,308; Sept. 23. Class 46.

Dennison Manufacturing Company, Framingham, Mass. Gummed paper and labels. Serial No. 445,545; Sept. 23. Class 37.

Denthol Company, San Francisco, Calif. Antiseptic mouth wash. Serial No. 426,880; Sept. 23. Class 6.

De Pinna, A., Co., Inc., New York, N. Y. Men's and boys' suits. Serial No. 445,286; Sept. 23. Class 39.

Drug Leaders, Inc., doing business as Ny-Lite Company, San Francisco, Calif. Chemical composition in powder form for imparting luminosity to paints, etc. Serial No. 445,922; Sept. 23. Class 6.

Fabri-Steel Products, Incorporated, Detroit, Mich. Clinch nuts and attaching clips therefor. Serial No. 444,669; Sept. 23. Class 13.

Famous-Barr Company. (See May Department Stores Company.)

Faribault Woolen Mill Company, Faribault, Minn. Textile blankets. Serial No. 445,647; Sept. 23. Class 42.

Fenway Coats, Inc., New York, N. Y. Ladies' and misses' coats, suits, and coat and suit combinations. Serial No. 445,174; Sept. 23. Class 39.

Firth Carpet Company, New York, N. Y. Carpets and rugs. Serial No. 440,929; Sept. 23. Class 42.

Fleischmann Distilling Corporation, The, New York, N. Y. Whiskey. Serial No. 444,966; Sept. 23. Class 49.

Forging and Casting Corporation, The, Ferndale, Mich. Steel. Serial No. 439,864; Sept. 23. Class 14.

Frontier Fuel Oil Corporation, Buffalo, N. Y. Motor lubricating oils. Serial Nos. 444,995–6; Sept. 23. Class 15.

Gargiulo & Amendola, Inc., New York, N. Y. Canned fruits. Serial No. 445,632; Sept. 23. Class 46.

General Distillers Corporation of Kentucky, Louisville, Ky. Whiskey, gin, rum, etc. Serial No. 444,905; Sept. 23. Class 49.

Goldenberg, George, Inc., New York, N. Y. Ladies', and misses' and juniors' coats and suits. Serial No. 445,495; Sept. 23. Class 39.

Gremio Dos Exportadores De Azeite, Lisbon, Portugal. Olive oil. Serial No. 433,566; Sept. 23. Class 46.

Hansen, Rasmus, Copenhagen, Denmark. Dairy products. Serial No. 412,763; Sept. 23. Class 46.

Hausinger, R. C., doing business as Texas Food Products Co., Sugar Land and Mission, Tex. Canned citrus fruit juices. Serial No. 440,045; Sept. 23. Class 46.

Hot Shot Prod Company, San Diego, Calif. Electric animal prods. Serial No. 445,578; Sept. 23. Class 21.

House of Tre-Jur, Inc., New York, N. Y. Toilet water, perfume, bath powder, talcum, etc. Serial No. 445,057; Sept. 23. Class 6.

Iles, Thos. J., New York, N. Y. Laxative. Serial No. 445,707; Sept. 23. Class 6.

International Heater Company, Utica, N. Y. Oil burners for heating boilers, for warm air heaters, for air conditioning equipment both boilers and heaters. Serial No. 433,755; Sept. 23. Class 34.

Interwoven Stocking Company, New Brunswick, N. J. Hosiery. Serial No. 445,179; Sept. 23. Class 39.

Irwill Knitwear Corporation. (See May Knitting Co. Inc., assignor.)

Johnson Ant Control, Oakland, Calif. Pest control preparation. Serial No. 445,946; Sept. 23. Class 6.

Kateb, George, Inc., New York, N. Y. Ladies' negligees, hostess coats, house coats, and lounging robes. Serial No. 445,738; Sept. 23. Class 39.

Kawerk, Roch D., doing business as Victory Chemical Co., Birmingham, Ala. Castor oil. Serial No. 445,708; Sept. 23. Class 6.

Keep Klean Cover Co. Inc., St. Louis, Mo. Automobile seat covers. Serial No. 444,001; Sept. 23. Class 19.

Keep Klean Cover Co. Inc., St. Louis, Mo. Automobile seat covers. Serial No. 444,871; Sept. 23. Class 19.

Lakeland Manufacturing Company, Sheboygan, Wis. Men's and boys' overcoats, top coats and sport coats. Serial No. 445,694; Sept. 23. Class 39.

La Salle Hat Company, The, Philadelphia, Pa. Men's and boys' hats and caps. Serial No. 445,470; Sept. 23. Class 39.

Laskin Brothers, Inc., Philadelphia, Pa. Women's, misses', and children's panties, slips, night dresses, pajamas, combinations which are garments, etc. Serial No. 445,059; Sept. 23. Class 39.

Louise, Audrey, Inc., New York, N. Y. Perfumes and toilet water. Serial No. 446,056; Sept. 23. Class 6.

Louise, Audrey, Inc., New York, N. Y. Toilet water and perfume. Serial No. 446,059; Sept. 23. Class 6.

Lowenbaum, R., Manufacturing Co., St. Louis, Mo. Ladies', misses', and juniors' frocks and house and street dresses. Serial No. 444,831; Sept. 23. Class 39.

MacLeod Laboratories, Palmyra, N. J. Canned fruits and fruit juices for food purposes. Serial No. 437,207; Sept. 23. Class 46.

MacLeod Laboratories, Palmyra, N. J. Sandwiches, waffle sandwiches, and pies. Serial No. 437,209; Sept. 23. Class 46.

Manhattan Shirt Company, The, New York, N. Y. Shorts for men and boys. Serial No. 445,065; Sept. 23. Class 39.

Marine Chemicals Company, Ltd., San Francisco, Calif., now by change of name, Marine Magnesium Products Corporation. Light magnesium oxide. Serial No. 432,142; Sept. 23. Class 6.

May Department Stores Company, The, New York, N. Y., Baltimore, Md., Cleveland, Ohio, Los Angeles, Calif., and Denver, Colo., doing business as Famous-Barr Company, St. Louis, Mo., and The M. O'Neil Co., Akron, Ohio. Curtains of cotton and rayon and combinations thereof. Serial No. 445,327; Sept. 23. Class 42.

May Knitting Co. Inc., assignor to Irwill Knitwear Corporation, New York, N. Y. Women's and girls' sweaters. Serial No. 442,962; Sept. 23. Class 39.

Meier's Wine Cellars, Inc., Silverton, Ohio. Wines. Serial No. 438,398; Sept. 23. Class 47.

Mercury Battery Charger & Tester Corp., assignor to The Mercury Corporation, Kansas City, Mo. Combined battery charging and testing apparatus. Serial No. 438,486; Sept. 23. Class 26.

Merz & Co., Chemical Works, Inc., East Orange, N. J. Skin preparation for topical application. Serial No. 440,698; Sept. 23. Class 6.

Meyers, F. E., & Bros. Company, The, Ashland, Ohio. Pumps. Serial No. 445,500; Sept. 23. Class 23.

Miracle Lubricating Company. (See Collins, Austin T.)

Mitchell Bros. Co., Chicago, Ill. Misses' and women's dresses. Serial No. 445,554; Sept. 23. Class 39.

Mitchell Canneries, Inc., Thomasville, Ga. Canned citrus fruit juices. Serial No. 442,453; Sept. 23. Class 46.

Moss, Joseph D., doing business as Moss Bros. Nut Co., Philadelphia, Pa. Peanut butter and salted peanuts, cashew nuts, salted assorted nuts. Serial No. 442,913; Sept. 23. Class 46.

Ny-Lite Company. (See Drug Leaders, Inc.)

Oil Devices, Sante Fe, N. Mex. Space heaters, furnaces, hot water heaters, etc. Serial No. 444,976; Sept. 23. Class 34.

Oldetyme Distillers, Inc., assignor to Oldetyme Distillers Corporation, New York, N. Y. Whiskey. Serial No. 422,416; Sept. 23. Class 49.

O'Neil, M., Co., The. (See May Department Stores Company.)

Ox Fibre Brush Company, Inc., New York, N. Y. Street brushes and brooms. Serial Nos. 420,724–5; Sept. 23. Class 29.

Ox Fibre Brush Company, Inc., New York, N. Y. Street brushes and brooms. Serial No. 420,727; Sept. 23. Class 29.

Parker, Elgin R., doing business as Southern Water Heater Company, Compton, Calif. Automatic storage gas water heaters. Serial No. 437,959; Sept. 23. Class 34.

Parker, Elgin R., doing business as Southern Water Heater Company, Compton, Calif. Automatic storage gas water heaters. Serial No. 437,961; Sept. 23. Class 34.

Peerless Carbon Black Company, The, Pittsburgh, Pa. Carbon black for printing inks, typewriter ribbons and carbon paper, shoe polish, etc. Serial No. 443,730; Sept. 23. Class 6.

Pikle-Rite Company. (See Wood, John A.)

Pillsbury Flour Mills Company, Minneapolis, Minn. Wheat flour. Serial No. 445,823; Sept. 23. Class 46.

Powell's, New York, N. Y. Candies. Serial No. 446,240; Sept. 23. Class 46.

Premo Pharmaceutical Laboratories, Inc., New York, N. Y. Circulatory stimulant administered by injection. Serial No. 445,858; Sept. 23. Class 6.

Presto Color Company, Cudahy, Wis. Coloring material for leather. Serial No. 445,529; Sept. 23. Class 6.

Quaker Oats Company, The, Chicago, Ill. Soup. Serial No. 444,680; Sept. 23. Class 46.

Rappaport, Jack, Inc., New York, N. Y. Women's and misses' housecoats, bed-jackets, negligees, night-gowns, etc. Serial No. 441,787; Sept. 23. Class 39.

Read, F. A., Inc., Albion, N. Y. Hand-made and custom-made can bags, casket bags, furniture bags, etc. Serial No. 444,799; Sept. 23. Class 2.

Revlon Products Corporation, New York, N. Y. Preparation for the nails. Serial No. 445,507; Sept. 23. Class 6.

Riverbank Wine Co. (See Salomone, Salavatore A.)

Rosenfeld, Al, Inc., New York, N. Y. Perfume and toilet water. Serial No. 444,915; Sept. 23. Class 6.

Salomone, Salavatore A., doing business as Riverbank Wine Co., New York, N. Y. Wines. Serial No. 442,804; Sept. 23. Class 47.

Schönfeld, Firma Paul, Chemnitz, Germany. Knitted textile piece goods. Serial No. 436,287; Sept. 23. Class 42.

Searle, G. D., & Co., Chicago, Ill. Sodium tetrathionate preparation. Serial No. 445,828; Sept. 23. Class 6.

Segar, H., New York, N. Y. Lockets, crosses, bracelets, key chains, brooch pins, etc. Serial No. 446,181; Sept. 23. Class 28.

Sharp, K. K., doing business as K. K. Sharp Company, Holtville, Calif. Fresh vegetables. Serial No. 440,294; Sept. 23. Class 46.

Sherwin-Williams Co., The, Cleveland, Ohio. Insecticides and fungicides. Serial No. 444,839; Sept. 23. Class 6.

Sherwin-Williams Company, The, Cleveland, Ohio. Cold water paint. Serial No. 445,561; Sept. 23. Class 16.

Shu-Rap & Sava-Towl Paper Products Co. (See Coyne, William F.)

Southern Phosphate Corporation, Baltimore, Md. Phosphates. Serial No. 446,032; Sept. 23. Class 10.

Southern States Portland Cement Company, Rockmart, Ga. High early strength cement. Serial No. 445,368; Sept. 23. Class 12.

Southern Water Heater Company. (See Parker, Elgin R.)

Springstep, Inc., New York, N. Y. Slippers, shoes, and sandals. Serial No. 445,562; Sept. 23. Class 39.

Stern, Merritt Co. Inc., New York, N. Y. Neckties. Serial No. 445,022; Sept. 23. Class 39.

Sun Rubber Company, The, Barberton, Ohio. Sponge rubber cushions. Serial No. 445,703; Sept. 23. Class 32.

Sylvania Industrial Corporation, Fredericksburg, Va. Cellulose sausage casings. Serial No. 445,592; Sept. 23. Class 2.

Texas Food Products Co. (See Hausinger, R. C.)

Thordarson Electric Manufacturing Company, Chicago, Ill. Electric transformers. Serial No. 445,619; Sept. 23. Class 21.

Tremco Manufacturing Company, The, Cleveland, Ohio. Paint enamels. Serial No. 445,645; Sept. 23. Class 16.

United Grape Products Sales Corporation, Buffalo, N. Y. Grape juice. Serial No. 445,593; Sept. 23. Class 45.

Van Camp Sea Food Company, Inc., doing business as Van Camp Laboratories, Terminal Island, Calif. Vitamin concentrate in capsule form. Serial No. 445,969; Sept. 23. Class 6.

Victory Chemical Co. (See Kawerk, Roch D.)

Ward Paper Company, Merrill, Wis. Manifold, bond, and sulphite paper. Serial No. 444,316; Sept. 23. Class 37.

Wenzel, H., Tent & Duck Company, St. Louis, Mo. Tarpaulins. Serial Nos. 444,951–3; Sept. 23. Class 50.

Wenzel, H., Tent & Duck Company, St. Louis, Mo. Tarpaulins. Serial No. 444,955; Sept. 23. Class 50.

Wheeling Steel Corporation, Wheeling, W. Va. Galvanized pipe. Serial No. 444,427; Sept. 23. Class 13.

Winthrop Chemical Company, Inc., New York, N. Y. Multiple vitamin preparation. Serial No. 445,513; Sept. 23. Class 6.

Wood, John A., doing business as Pikle-Rite Company, Chicago, Ill. Bottled cucumber pickles. Serial No. 439,379; Sept. 23. Class 46.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbott Laboratories, North Chicago, Ill. Medicinal wafers. 390,357; Sept. 23; Serial No. 401,965; published May 3, 1938. Class 6.

Acro Electric Company, Cleveland, Ohio. Snap acting switches. 390,480; Sept. 23; Serial No. 443,317; published July 15, 1941. Class 21.

Allen A. Company, The. (See Black Cat Textiles Company.)

Allied Stores Corporation, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash. Gloves made of leather, fabric, and combinations thereof. 390,399; Sept. 23; Serial No. 440,435; published July 1, 1941. Class 39.

Alport, Ivan, New York, N. Y. Men's and boys' hats and caps. 390,468; Sept. 23; Serial No. 443,065; published July 8, 1941. Class 39.

American Aniline Products, Inc., New York, N. Y. Textile dyeing assistants. 390,510; Sept. 23; Serial No. 444,032; published July 8, 1941. Class 6.

American Cellulose & Chemical Manufacturing Company, Limited, The, New York, N. Y., by change of name to Celanese Corporation of America. Wire cloth and netting. 147,746; renewed Nov. 1, 1941.

American Cellulose & Chemical Manufacturing Company, Limited, New York, N. Y., by change of name to Celanese Corporation of America. Wire cloth and netting. 147,901; renewed Nov. 8, 1941.

American Fork & Hoe Company, The, Cleveland, Ohio. Hand-cultivators. 146,160; renewed Sept. 6, 1941.

American Fork & Hoe Company, The, Cleveland, Ohio. Farm, garden, and other hand-tools. 146,672; renewed Sept. 20, 1941.

American Kardex Company, Tonawanda, assignor, by mesne assignments, to Remington Rand Inc., Buffalo, N. Y. Card-index, record, and filing systems and parts thereof. 147,259; renewed Oct. 11, 1941.

American Kardex Company, Tonawanda, assignor, by mesne assignments, to Remington Rand Inc., Buffalo, N. Y. Card-index, record, and filing systems and parts thereof. 147,257–8; renewed Oct. 11, 1941.

American Kardex Company, Tonawanda, assignor, by mesne assignments, to Remington Rand Inc., Buffalo, N. Y. Card-index, record, and filing systems and parts thereof. 147,260; renewed Oct. 11, 1941.

American Machine & Metals, Inc., New York, N. Y. Nozzles for gasoline hose or gasoline pumps. 390,380; Sept. 23; Serial No. 436,786; published July 15, 1941. Class 13.

American Mills Company of New York, The, West Haven, Conn., assignor to United Elastic Corporation, Easthampton, Mass. Elastic thread and strands both covered and uncovered. 390,422; Sept. 23; Serial No. 441,846; published June 17, 1941. Class 43.

American Social Hygiene Association, Inc., New York, N. Y. Printed booklets and pamphlets. 145,534; renewed Aug. 9, 1941.

American Steel Foundries, Chicago, Ill. Metal-pipe fittings. 148,347; renewed Nov. 15, 1941.

American Steel Foundries, Chicago, Ill. Anchors, and certain castings. 148,982; renewed Dec. 6, 1941.

American Viscose Corporation, Wilmington, Del. Synthetic thread and yarn and thread and yarn filaments. 390,385; Sept. 23; Serial No. 437,361; published July 8, 1941. Class 43.

Ames, Frederick W., New Orleans, La. Tooth wash. 151,419; renewed Feb. 7, 1942.

Anderson Company, The, Gary, Ind. Windshield wiper blades and parts thereof. 390,408; Sept. 23; Serial No. 441,072; published July 15, 1941. Class 19.

André. (See Koenig, Harry D.)

Andromachus Corporation, The, Long Island City, N. Y. Skin ointment for external use. 390,507; Sept. 23; Serial No. 443,830; published July 8, 1941. Class 6.

Angle Soap Corporation, New York, N. Y. Deodorizer. 390,427; Sept. 23; Serial No. 442,021; published July 8, 1941. Class 6.

Associated Distributers, Inc., Chicago, Ill. Lipstick, rouge, face powders, perfumes, etc. 390,543; Sept. 23. Class 6.

Atlas Powder Company, Wilmington, Del. Emulsifying, wetting, and dispersing agents. 390,506; Sept. 23; Serial No. 443,800; published July 8, 1941. Class 6.

Awning Hardware Co. (See Judge, Louis, L.)

Bach, Lesem, assignor to Lesem Bach & Co. Inc., New York, N. Y. Piece goods manufactured from or consisting of linen, cottons, hemps, etc. 148,633; renewed Nov. 22, 1941.

Baker, H. W., Linen Company, New York, N. Y. Face and bath towels. 390,511; Sept. 23; Serial No. 444,033; published July 15, 1941. Class 42.

Ballard & Ballard Company, Louisville, Ky. Wheat-flour, and particularly self-rising flour. 148,992; renewed Dec. 6, 1941.

Bamberger, L., & Co., Newark, N. J. Umbrellas and parasols. 390,459; Sept. 23; Serial No. 442,890; published June 24, 1941. Class 41.

Barbour Welting Company, Brockton, Mass. Shoe welting. 390,548; Sept. 23. Class 39.

Bartmann & Bixer Inc., New York, N. Y. Window curtains. 390,362; Sept. 23; Serial No. 429,340; published July 15, 1941. Class 42.

Bassick Company, The, Bridgeport, Conn. Casters. 150,727; renewed Jan. 10, 1942.

Bayer Company, Inc., The, New York, N. Y. Antirheumatic, analgesic and antipyretic, 148,636; renewed Nov. 22, 1941.

Beckett, Laycock & Watkinson Limited, London, England. Channel-shaped metal rods made in lengths and adapted to be cut to size. 148,353; renewed Nov. 15, 1941.

Best & Co. Inc., New York, N. Y. Dresses, coats, hats, etc. 390,450; Sept. 23; Serial No. 442,585; published July 1, 1941. Class 39.

Best & Co. Inc., New York, N. Y. Pocketbooks and handbags. 390,451; Sept. 23; Serial No. 442,586; published July 15, 1941. Class 3.

Best & Co. Inc., New York, N. Y. Dresses, evening dresses, playsuits, etc. 390,460; Sept. 23; Serial No. 442,859; published July 8, 1941. Class 39.

Billow, Benjamin, New York, N. Y. Children's sleeping garments, gowns, slips, bibs, etc. 390,484; Sept. 23; Serial No. 443,390; published July 15, 1941. Class 39.

Bishop & Babcock Company, The, assignor to The Bishop & Babcock Manufacturing Company, Cleveland, Ohio. Thermostats. 141,871; renewed May 3, 1941.

Black Cat Textiles Company, now by change of name The Allen A. Company, Kenosha, Wis., by change of name to The Allen A Company, Bennington, Vt. Knit hosiery. 145,609; renewed Aug. 16, 1941.

Blair Corset Company, Chicago, Ill. Detachable crotch members for use with women's panty girdles. 390,372; Sept. 23; Serial No. 433,373; published June 17, 1941. Class 39.

Blue Ridge Glass Corporation, Kingsport, Tenn. Glass in sheet form. 390,497; Sept. 23; Serial No. 439,924; published July 1, 1941. Class 33.

Bon March, The. (See Allied Stores Corporation.)

Brockway Glass Company, Inc., Brockway, Pa. Glass bottles. 390,466; Sept. 23; Serial No. 443,038; published July 8, 1941. Class 33.

Brooklyn Mills, Inc., New York, N. Y. Hair nets. 390,383; Sept. 23; Serial No. 437,163; published July 15, 1941. Class 39.

Brown, David, Shoe Company, Baltimore, Md. Shoes. 390,526–7; Sept. 23. Class 39.

Brown Shoe Company, Inc., St. Louis, Mo. Men's, women's, and children's shoes of leather, fabric, etc. 390,496; Sept. 23; Serial No. 443,627; published July 15, 1941. Class 39.

Burns, E. Reed, Supply Company, Brooklyn, N. Y., by change of name to E. Reed Burns Mfg. Corporation. Polishing compositions—namely buffs, polishing-wheels, and petal-polish. 148,228; renewed Nov. 8, 1941.

Burr & Johnson, Washington, D. C. Amusement game. 390,497; Sept. 23; Serial No. 443,650; published July 15, 1941. Class 22.

Calavo-Subtropic Fruit Co., Los Angeles, Calif., now by change of name Calavo, Inc. Fresh limes. 390,518; Sept. 23. Class 46.

California Cotton Mills Company, Oakland, Calif. Cotton, hemp, jute, ropes and cord and twines. 151,320; renewed Jan. 31, 1942.

California Vegetable Union, Los Angeles, Calif., assignor, by mesne assignments, to David L. Moss & Co., Inc., New York, N. Y. Canned pears, canned tomatoes, certain named fresh vegetables, and fresh fruits. 149,865; renewed Dec. 27, 1941.

Caples Company, The, Chicago, Ill.; Omaha, Nebr.; Los Angeles, Calif.; and New York, N. Y. Ladies' and children's play clothes. 390,420; Sept. 23; Serial No. 441,808; published July 1, 1941. Class 39.

Carhoff Company, Cleveland Heights, Ohio. Liquid preparation commonly known as eye drops. 390,513; Sept. 23; Serial No. 444,213; published July 15, 1941. Class 6.

Carleton, Mary T., New York, N. Y. Poison ivy preparation. 390,488; Sept. 23; Serial No. 443,452; published July 8, 1941. Class 6.

Carter, William, Company, The, Needham Heights, Mass. Women's undergarments. 390,425; Sept. 23; Serial No. 441,945; published June 17, 1941. Class 39.

Cartier, Inc., New York, N. Y. Purses and pocketbooks. 149,870; renewed Dec. 27, 1941.

Causse Manufacturing & Importing Co., Bound Brook, N. J. Preserved fruits. 390,400; Sept. 23; Serial No. 440,713; published July 15, 1941. Class 46.

Cavelliero, Lina, Inc., Seattle, Wash. Face powder, lotions, creams, hand lotion, lipstick, etc. 390,429; Sept. 23; Serial No. 442,107; published July 8, 1941. Class 6.

Celanese Corporation of America. (See American Cellulose & Chemical Manufacturing Company.)

Central Pattern and Foundry Company, Chicago, Ill. Aluminum, brass, and bronze metal castings. 390,441; Sept. 23; Serial No. 442,381; published July 15, 1941. Class 14.

Central Screw Company, Chicago, Ill. Screws, bolts, nuts, and rivets. 390,377; Sept. 23; Serial No. 436,203; published July 8, 1941. Class 13.

Certain-Teed Products Corporation. (See Vulcanite Roofing Company, assignor.)

Charleston, Gustave A., Portland, Oreg. Metal safety assembly frame for electric glass coffee makers. 390,384; Sept. 23; Serial No. 437,164; published July 15, 1941. Class 13.

Chicago Mail Order Company, Chicago, Ill. Wearing apparel for men, women, and children. 390,418–19; Sept. 23; Serial Nos. 441,725–6; published July 1, 1941. Class 39.

Cochran, Jacqueline, Roselle, N. J. Cosmetics and beauty preparations. 390,485; Sept. 23; Serial No. 443,400; published July 8, 1941. Class 6.

Coleman & Bell Company, The, Norwood, Ohio. Compositions for use in the preparation and treatment of lithographic plates, etc. 390,394; Sept. 23; Serial No. 439,688; published July 8, 1941. Class 6.

Comet Rice Mills, Inc., Beaumont, Tex. Rice. 390,471; Sept. 23; Serial No. 443,185; published July 15, 1941. Class 46.

Condax, E. A., & Company, Inc., to Liggett & Meyers Tobacco Company, New York, N. Y., successor. Cigarettes. 150,778; renewed Jan. 10, 1942.

Container Corporation of America, Chicago, Ill. Folding cartons. 390,550; Sept. 23. Class 2.

Copeland, Merrell S., Oelwein, Iowa, assignor, by mesne assignments, to Rainbow Gum Company, Boston, Mass. Chewing-gum. 146,205; renewed Sept. 6, 1941.

Crawford Door Company, Detroit, Mich. Complete upward acting door installations comprising door and hardware. 390,525; Sept. 23. Class 12.

Crystallite Products Company, Glendale, Calif. Table glassware. 390,538; Sept. 23. Class 33.

Curdolac Food Co., to Curdolac Food Co., successor, Waukesha, Wis. Diabetic flour. 145,646; renewed Aug. 16, 1941.

Curtiss Candy Company, The, Chicago, Ill. Candy. 146,564; renewed Sept. 13, 1941.

Curtiss Candy Company, The, Chicago, Ill. Candy. 145,938; renewed Aug. 23, 1941.

Curtiss Candy Company, The, Chicago, Ill. Candy. 147,579; renewed Oct. 25, 1941.

Darlington Fabrics Corporation, New York, N. Y. Woven elastic fabric, piece goods of cotton, rayon, etc. 390,365; Sept. 23; Serial No. 430,220; published July 15, 1941. Class 42

Day Company, The, Minneapolis, Minn. Ventilators and chimney-caps. 146,723; renewed Sept. 20, 1941.

Denville Silk Co. Inc., assignor to Denville Silk Company, New York, N. Y. Silks and silk fabrics in the piece. 147,300; renewed Oct. 11, 1941.

Desirable Coats, New York, N. Y. Coats, suits, slacks, skirts, etc. 390,540; Sept. 23. Class 39.

Destruxol Corporation, Ltd., Pasadena, Calif. Chemical solution for treating lawn soil. 390,504; Sept. 23; Serial No. 443,754; published July 15, 1941. Class 6.

Diamond Match Company, The, New York, N. Y. Food dishes of paper or fibrous pulp material. 390,549; Sept. 23. Class 2.

Differential Steel Car Company, Findlay, Ohio. Road and railway (motor) and trailer cars and trucks and structural parts thereof. 390,359; Sept. 23; Serial No. 418,139; published July 15, 1941. Class 19.

Dodson-Fisher Company, Minneapolis, Minn. Bowling shoes. 390,413; Sept. 23; Serial No. 441,504; published July 8, 1941. Class 39.

Dreyfus, Leo, doing business as Orozene Laboratories, New York, N. Y. Aromatic alkaline powder for mouth and tooth washes. 148,817; renewed Nov. 29, 1941.

Drink-Mor Beverage Company, Wilkes-Barre, Pa. Root beer. 390,408; Sept. 23; Serial No. 443,654; published July 15, 1941. Class 45.

Dunlap & Co., New York, N. Y., assignor, by mesne assignments, to Hat Corporation of America, Norwalk, Conn. Clothing. 151,121; renewed Jan. 24, 1942.

Dussol, L. A., & Co., Inc., Brooklyn, N. Y. Decorative wall covering for room interiors. 390,426; Sept. 23; Serial No. 442,005; published July 8, 1941. Class 12.

Dynamatic Corporation, Kenosha, Wis. Electrical governors for motors. 390,430; Sept. 23; Serial No. 442,116; published July 15, 1941. Class 21.

East Bay Fisheries, San Francisco, Calif. Fish oil used in the preparation of poultry feeds. 390,442; Sept. 23; Serial No. 442,412; published July 8, 1941. Class 6.

Eclipse Lawn Mower Company, The, Prophetstown, Ill. Handles for hand and power mowers. 390,532; Sept. 23. Class 23.

Edwards & Crist Company, Chicago, Ill., to Amelia Beatrice Tassencourt, Philadelphia, Pa., successor. Motorcycles and bicycles. 145,656; renewed Aug. 16, 1941.

Elgin Knit Sportswear, Inc., New York, N. Y. Sweaters, scarfs, slack suits, etc. 390,534; Sept. 23. Class 39.

Elmer Candy Co., Inc., New Orleans, La. Candy. 390,428; Sept. 23; Serial No. 442,031; published July 15, 1941. Class 46.

Emeralite Company. (See McFadden, H. G., & Co., assignor.)

Emery Industries, Inc., Cincinnati, Ohio. Fatty acids. 390,489–90; Sept. 23; Serial Nos. 443,490–1; published July 8, 1941. Class 6.

Emery Industries, Inc., Cincinnati, Ohio. Filter powder used in dry cleaning. 390,491; Sept. 23; Serial No. 443,493; published July 8, 1941. Class 6.

Emery Industries, Inc., Cincinnati, Ohio. Material for improving the finish of textile fabrics in dry cleaning. 390,492; Sept. 23; Serial No. 443,494; published July 8, 1941. Class 6.

Epiphone, Inc., New York, N. Y. Stringed musical instruments. 390,486; Sept. 23; Serial No. 443,409; published July 15, 1941. Class 36.

Famous-Barr Company. (See May Department Stores Company.)

Farmers' Commission House, Inc., New York, N. Y. Live and dressed ducks. 151,754; renewed Feb. 14, 1942.

Federal Machine & Welder Co., Warren, Ohio. Electric welders and parts thereof. 151,473; renewed Feb. 7, 1942.

Feltault, Arthur J., doing business as The Visamap Company, Hartford, Conn. Road map holders. 390,411; Sept. 23; Serial No. 441,337; published July 8, 1941. Class 19.

Fine Products Corporation, Augusta, Ga. Candy. 390,533; Sept. 23. Class 46.

Fisher Scientific Company, Pittsburgh, Pa. Motor-driven device employed to shake receptacles and their contents. 390,499; Sept. 23; Serial No. 443,657; published July 15, 1941. Class 21.

Fitts Cotton Goods Co., Atlanta, Ga. Textile diapers. 390,541; Sept. 23. Class 39.

Fox, Frances, Laboratories, Incorporated, New York, N. Y., to Frances Fox Laboratories, Incorporated, Ridgewood, N. J. Soap for hair and skin. 151,768; renewed Feb. 14, 1942.

Freihofer, William, Baking Company, Philadelphia, Pa. Bread. 390,493; Sept. 23; Serial No. 443,535; published July 15, 1941. Class 46.

French, Thomas, & Sons, Ltd., New York, N. Y. Woven ladder web for Venetian blinds. 390,438; Sept. 23; Serial No. 442,316; published June 17, 1941. Class 40.

Fuller Brush Company, The, Hartford, Conn. Brushes, dusters, and danbers. 151,132; renewed Jan. 24, 1942.

Garden Grove Mutual Orange Assn., Garden Grove, Calif. Fresh citrus fruit. 390,375; Sept. 23; Serial No. 435,842; published July 15, 1941. Class 46.

Gardner, Henry A., Washington, D. C. Dechlorinated oils, with or without resin additions. 146,987; renewed Sept. 27, 1941.

Gebrüder Junghans Aktiengesellschaft, Schramberg, Germany. Luminous paints containing radioactive substances. 144,398; renewed July 5, 1941.

Geiger, Louis, Inc., New York, N. Y. Playsuits and sportswear. 390,432; Sept. 23; Serial No. 442,162; published June 24, 1941. Class 39.

General Chemical Company, New York, N. Y. Chemical compound for conditioning of well drilling muds. 390,477; Sept. 23; Serial No. 443,250; published July 8, 1941. Class 6.

General Printing Ink Corporation, New York, N. Y. Printing inks. 390,494; Sept. 23; Serial No. 443,563; published July 15, 1941. Class 11.

Givaudan-Delawanna, Inc., New York, N. Y. Chemical products. 390,371; Sept. 23; Serial No. 432,524; published July 23, 1940. Class 6.

Globe Novelty House, New York, N. Y. Men's garters, suspenders, and belts in the nature of garment supporters. 390,395; Sept. 23; Serial No. 439,093; published July 8, 1941. Class 39.

Globe Roofing Products Co., Inc., Chicago, Ill. Insulated siding. 390,472; Sept. 23; Serial No. 443,190; published July 8, 1941. Class 12.

Gluvtex Corporation, New York, N. Y. Panties and girdles. 390,453; Sept. 23; Serial No. 442,660; published July 1, 1941. Class 39.

Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Die-run unvulcanized rubber tire tread repair material. 390,529; Sept. 23. Class 35.

Groves Shoe Co., Chicago, Ill. Shoes and slippers constructed of leather, fabric, and straw. 390,363; Sept. 23; Serial No. 429,699; published Apr. 8, 1941. Class 39.

Gunite Foundries Corporation. (See Rockford Malleable Iron Works.)

H V Laboratories, Inc., St. Louis, Mo. Preparation for treatment of athlete's foot and other skin diseases. 390,512; Sept. 23; Serial No. 444,080; published July 15, 1941. Class 6.

Halden, J., & Company, Limited, Stockport, England. Chemical preparation used as a base for ointments. 390,360; Sept. 23; Serial No. 420,002; published July 8, 1941. Class 6.

Hall, William H., assignor to Hall & Ruckel, New York, N. Y. Dentifrice. 20,552; re-renewed Jan. 5, 1942.

Hastad, Amanda, New York, N. Y. Chemical preparation for the treatment of hair. 390,501; Sept. 23; Serial No. 443,720; published July 8, 1941. Class 6.

Hat Corporation of America. (See Dunlap & Co., assignor.)

Hays, Daniel, Company, Inc., The, Gloversville, N. Y. Gloves of leather and fabric. 390,361; Sept. 23; Serial No. 424,960; published July 1, 1941. Class 39.

Heller, R. C., Company, The, Baltimore, Md. Feather pillows. 151,805; renewed Feb. 14, 1942.

Hendrickson, Alfred, Fargo, N. Dak. Medicine in the form of a liniment. 390,386; Sept. 23; Serial No. 437,679; published July 8, 1941. Class 6.

Hewitt Soap Company, Inc., The, Dayton, Ohio. Soap—namely, germicidal soap. 390,469; Sept. 23; Serial No. 443,083; published July 15, 1941. Class 4.

Hickok Oil Corporation, Toledo, Ohio. Automobile filling station supplies. 390,452; Sept. 23; Serial No. 442,628; published July 15, 1941. Class 15.

Horvath, John, Passaic, N. J. Medicine for leg ulcers, varicose veins, blood poisoning, and bad blood. 390,435; Sept. 23; Serial No. 442,263; published July 8, 1941. Class 6.

Horvath, John, Passaic, N. J. Medicine for arthritis and stiff joints. 390,436; Sept. 23; Serial No. 442,264; published July 8, 1941. Class 6.

Hubbuck, Thos., & Son Limited, London, England. Cleaning-powders and soap. 148,082; renewed Nov. 8, 1941.

Hubbuck, Thos., & Son Ltd., London, England. Fuller's earth, fossil earth, and crude tar. 148,442; renewed Nov. 15, 1941.

Hudson Products, Inc., Jersey City, N. J. Powders for holding false teeth in place. 390,473; Sept. 23; Serial No. 443,194; published July 8, 1941. Class 6.

Hygrade Sylvania Corporation, Salem, Mass. Enamel coatings for electric lamp reflectors. 390,398; Sept. 23; Serial No. 440,199; published July 15, 1941. Class 16.

Industrial Controller Company, Milwaukee, Wis., assignor to Square D Company, Detroit, Mich. Electrical-motor starters and controllers. 145,381; renewed Aug. 2, 1941.

Inecto, Inc., New York, N. Y. Hair treating preparations. 390,356; Sept. 23; Serial No. 398,538; published Dec. 28, 1937. Class 6.

Interchemical Corporation, New York, N. Y. Printing inks. 390,495; Sept. 23; Serial No. 443,567; published July 15, 1941. Class 11.

International Industries, Inc., Ann Arbor, Mich. Telescopes and binoculars. 390,487; Sept. 23; Serial No. 443,417; published July 15, 1941. Class 26.

Jack Bros. and McBurney, Inc., Brawley, Calif. Fresh vegetables and melons. 390,508; Sept. 23; Serial No. 443,846; published July 15, 1941. Class 46.

Jensen, Georg, Inc., New York, N. Y. Flatware for table use, hollowware for table and decorative uses, toilet-ware, etc. 390,374; Sept. 23; Serial No. 434,876; published July 15, 1941. Class 28.

Jergens, Andrew, Company, The, Cincinnati, Ohio. Perfume. 148,674; renewed Nov. 22, 1941.

Jergens, Andrew, Company, The, Cincinnati, Ohio. Toilet powder. 148,676; renewed Nov. 22, 1941.

Jewel Paint and Varnish Co. (See Wadsworth-Howland Company, assignor.)

Jiffy Juicing Machines, Inc., Seattle, Wash. Juice extracting machine. 390,449; Sept. 23; Serial No. 442,557; published July 15, 1941. Class 21.

Johara, Inc., Chicago, Ill. Ladies' dresses, coats, outer skirts, etc. 390,417; Sept. 23; Serial No. 441,703; published July 17, 1941. Class 39.

Joseph, George, doing business as Theriaca Products Company, New Kensington, Pa. Preparation for external use in treating rheumatism, neuritis, lumbago, etc. 390,410; Sept. 23; Serial No. 441,293; published July 8, 1941. Class 6.

Judge, Louis L., doing business as Awning Hardware Co., Baltimore, Md. Automobile tire jacks. 390,455; Sept. 23; Serial No. 442,683; published July 15, 1941. Class 23.

Justin, H. J., & Sons, Inc., Fort Worth, Tex. Men's, women's, and children's boots made of leather. 390,401; Sept. 23; Serial No. 440,818; published June 24, 1941. Class 39.

Kabo Corset Company, Chicago, Ill. Corsets, girdles, foundations, etc. 390,382; Sept. 23; Serial No. 436,840; published July 1, 1941. Class 39.

Kahn Manufacturing Company, Mobile, Ala. Over-alls, cover-alls, and trousers. 149,128; renewed Dec. 6, 1941.

Karpen, S., & Bros., Chicago, Ill. Upholstered davenports, sofas, settees, arm-chairs, rockers, and side chairs. 149,967; renewed Dec. 27, 1941.

Kayser, Julius, & Co., New York, N. Y. Gloves of fabric and combinations of fabric and leather. 390,434; Sept. 23; Serial No. 442,231; published July 1, 1941. Class 39.

Kerkoff, Inc. (See Smith, Alfred H., Company, assignor.)

Kiesling, A. E., Houston, Tex. Toilet preparations and the like. 146,112; renewed Aug. 30, 1941.

King, Guy, Chattanooga, Tenn. Liquid product used by athletes on their hands to enable them a better grip on golf clubs, etc. 390,478; Sept. 23; Serial No. 443,294; published July 15, 1941. Class 4.

Kirby's Products, Union, S. C. Perfumes, brilliantines, hair lotion, etc. 390,479; Sept. 23; Serial No. 443,295; published July 8, 1941. Class 6.

Kleinert, I. B., Rubber Company, New York, N. Y. Baby pants. 390,358; Sept. 23; Serial No. 417,495; published July 1, 1941. Class 39.

Kleinert, I. B., Rubber Company, New York, N. Y. Hats for women. 390,360; Sept. 23; Serial No. 430,776; published July 1, 1941. Class 39.

Kleistone Rubber Co., Inc., Warren, R. I. Arch supports. 390,551; Sept. 23. Class 44.

Koch, Louis A., doing business as Koch Manufacturing Company, Louisville, Ky. Automobile exhaust pipe deflectors. 390,447; Sept. 23; Serial No. 442,492; published July 15, 1941. Class 23.

Koenig, Harry D., doing business as André, New York, N. Y. Face powders, rouge, creams, lipsticks, toilet water, perfumes, etc. 390,423; Sept. 23; Serial No. 441,872; published July 8, 1941. Class 6.

Kronfeld, Philip, Inc., New York, N. Y. Overcoats, pants, hats, etc. 390,537; Sept. 23. Class 39.

Lancaster Steel Co., Inc., New York, N. Y. Alloy steel. 390,475; Sept. 23; Serial No. 443,233; published July 15, 1941. Class 14.

Lentheric, Incorporated, New York, N. Y. Perfumes and cosmetic creams. 390,515–17; Sept. 23; Serial Nos. 444,265–7; published July 15, 1941. Class 6.

Lewis & Locke, Inc., New York, N. Y. Leather gloves. 390,402; Sept. 23; Serial No. 440,867; published June 17, 1941. Class 39.

Lewis & Locke, Inc., New York, N. Y. Leather gloves. 390,403; Sept. 23; Serial No. 440,868; published July 1, 1941. Class 39.

Liggett & Meyers Tobacco Company. (See Condax, E. A., & Company.)

Lindsley Lumber Company, Miami, Fla. Windows and window frames. 390,405; Sept. 23; Serial No. 440,942; published July 8, 1941. Class 12.

Louisville Electric Manufacturing Company, Louisville, Ky. Portable electrically-driven tools, electric motors, generators, etc. 151,533; renewed Feb. 7, 1942.

Lustig, Lilly, New York, N. Y. Protective garments made of cellophane, paper, and textiles. 390,379; Sept. 23; Serial No. 436,350; published June 17, 1941. Class 39.

Maccaferri, Mario, New York, N. Y. Reeds and mouthpieces for musical instruments, woodwind musical instruments, and accessories. 390,456; Sept. 23; Serial No. 442,714; published July 15, 1941. Class 36.

Macleans, Limited, Brentford, England. Pharmaceutical preparations for the treatment of indigestion, flatulence, gastritis, etc. 390,421; Sept. 23; Serial No. 441,827; published July 8, 1941. Class 6.

Maggi Co. The, Kempttal, Switzerland, assignor to Maggi Co., Inc., New York, N. Y. Seasonings for improving soups, sauces, and gravies; soups, consommé, bouillon, sauces, and gravies. 149,907–8; renewed Dec. 27, 1941.

Magitex Company, Inc., Saco, Maine. Dog shampoo. 390,481; Sept. 23; Serial No. 443,368; published July 8, 1941. Class 6.

Mallory Hat Company, The, Danbury, Conn. Hats. 390,416; Sept. 23; Serial No. 441,615; published July 8, 1941. Class 39.

Marmite Food Extract Co., Limited, The, London, England. Concentrated culinary preparation being a vegetable extract prepared from the yeast-cell. 146,810; renewed Sept. 20, 1941.

May Department Stores Company, The, New York, N. Y., Baltimore, Md., Cleveland, Ohio, Los Angeles, Calif., and Denver, Colo., also doing business as Famous-Barr Company, St. Louis, Mo., and as The M. O'Neil Co., Akron, Ohio. Men's hats. 390,539; Sept. 23. Class 39.

McFaddin, H. G., & Co., assignor to Emeralite Company, Inc., New York, N. Y. Portable electric-lighting fixtures. 151,538; renewed Feb. 7, 1942.

Metz, Reuben, Chicago, Ill. Bowling shoes. 390,404; Sept. 23; Serial No. 440,870; published June 17, 1941. Class 39.

Michaelis, Curt, Jersey City, N. J. Hamburger rolls in the nature of bakery products. 390,458; Sept. 23; Serial No. 442,795; published July 15, 1941. Class 46.

Millus Shoe Company, St. Louis, Mo. Women's shoes made of leather, rubber, fabric, or combinations thereof. 390,461; Sept. 23; Serial No. 442,911; published July 1, 1941. Class 39.

Minneapolis-Moline Power Implement Company, Minneapolis, Minn. Beet drills, beet lifters, combines, corn pickers, etc. 390,414; Sept. 23; Serial No. 441,517; published July 15, 1941. Class 23.

Morandi-Proctor Company Inc., Boston, Mass. Warming-closets, steam-tables, coffee-urns, etc. 150,015; renewed Dec. 27, 1941.

Mosler and Brandmark Printing Ink Corporation, New York, N. Y. Printing inks, lithographic inks, water color inks, and silk inks. 390,462; Sept. 23; Serial No. 442,912; published July 15, 1941. Class 11.

Moss, David L., & Co. (See California Vegetable Union, assignor.)

National Gypsum Company, Buffalo, N. Y. Metal lath, corner bead, expanded metal corner bead, etc. 390,369; Sept. 23; Serial No. 432,268; published July 15, 1941. Class 12.

National-Nampel, Inc., Chicago, Ill. Ladies' hats. 390,521; Sept. 23. Class 39.

New York Evening Journal, Inc., New York, N. Y. Newspaper section. 390,448; Sept. 23; Serial No. 442,496; published June 3, 1941. Class 38.

Noonan, T., Sons Company, Boston, Mass. Hair-dressing preparations. 145,986; renewed Aug. 23, 1941.

Nutilities, Inc., New York, N. Y. Calculators. 390,439; Sept. 23; Serial No. 442,365; published July 15, 1941. Class 26.

O'Neil, M., Co., The. (See May Department Stores Company.)

Operadio Manufacturing Co., St. Charles, Ill. Intercommunicating systems. 390,443; Sept. 23; Serial No. 442,425; published July 15, 1941. Class 21.

Orbis Products Trading Co., Inc., New York, N. Y., by change of name to Orbis Products Corporation. Powdered egg-albumen and powdered egg-yolk. 145,570; renewed Aug. 9, 1941.

Orozene Laboratories. (See Dreyfus, Leo.)

Owens-Illinois Glass Company, Toledo, Ohio. Bottles, jars and jugs all made of glass. 390,467; Sept. 23; Serial No. 443,051; published July 8, 1941. Class 33.

Owl Drug Company, The, assignor to The Owl Drug Co., San Francisco, Calif. Medicated or denatured alcohol. 150,509; renewed Jan. 3, 1942.

P and K Company, Washington, D. C. Hair dressing. 390,431; Sept. 23; Serial No. 442,138; published July 8, 1941. Class 6.

Pabst Brewing Company. (See Premier Malt Products Co. of Ohio, Inc., assignor.)

Pal, George J., Hollywood, Calif. Motion picture films, sound films, combined sound and motion picture films etc. 390,500; Sept. 23; Serial No. 443,700; published July 15, 1941. Class 26.

Panama Lubricating Company, Los Angeles, Calif., by change of name to The Pennzoil Company. Mineral greases used for lubricating bearings and transmissions. 151,203; renewed Jan. 24, 1942.

Paraphone Hearing Aid, Inc., Cleveland, Ohio. Electrical radio-tube hearing aids. 390,440; Sept. 23; Serial No. 442,367; published July 15, 1941. Class 44.

Pennzoil Company. (See Panama Lubricating Company.)

Piper, Stewart S., Elmira, N. Y. Artificially colored table salt. 390,437; Sept. 23; Serial No. 442,277; published July 15, 1941. Class 46.

Pittsburgh Plate Glass Company, Pittsburgh, Pa. Laminated safety glass. 390,464; Sept. 23; Serial No. 443,015; published July 8, 1941. Class 33.

Plough, Inc., Memphis, Tenn. Hair pomade, shampoo preparations. 390,415; Sept. 23; Serial No. 441,547; published July 8, 1941. Class 6.

Potter & Johnston Machine Company, Pawtucket, R. I. Metal working machine tools. 390,388; Sept. 23; Serial No. 438,214; published July 15, 1941. Class 23.

Premier Malt Products Co. of Ohio, Inc., Steubenville, Ohio, assignor to Pabst Brewing Company, Peoria Heights, Ill. Malt syrup used for food purposes. 149,716; renewed Dec. 20, 1941.

Prophylactic Products Corporation, Boston, Mass. Prophylactic rubber articles for the prevention of contagious diseases. 390,520; Sept. 23. Class 44.

Pthinon Bar Co., New York, N. Y. Anti-landing device for pigeons and other birds. 390,387; Sept. 23; Serial No. 438,085; published July 15, 1941. Class 12.

Quaker Oats Company, The, Chicago, Ill. Rolled oats. 390,364; Sept. 23; Serial No. 427,992; published July 15, 1941. Class 46.

Quinlan, Kathleen Mary, assignor to Kathleen Mary Quinlan, Inc., New York, N. Y. Beauty-cream. 145,990; renewed Aug. 23, 1941.

Rainbow Gum Company. (See Copeland, Merrell S., assignor.)

Rainbow Rubber Company, Butler, Pa. Bath stoppers and sink stoppers. 390,535; Sept. 23. Class 13.

Real Silk Hosiery Mills, Inc., Indianapolis, Ind. Belts for outer wear and suspenders. 390,400; Sept. 23; Serial No. 441,178; published July 1, 1941. Class 39.

Recoton Corporation, New York, N. Y. Phonograph needles. 390,424; Sept. 23; Serial No. 441,924; published July 15, 1941. Class 36.

Red Head Brand Company, Chicago, Ill. Men's and women's caps, coats, pants, etc. 390,412; Sept. 23; Serial No. 441,412; published July 8, 1941. Class 39.

Reed Tobacco Company Branch Larus & Brother Company, Inc., Richmond, Va. Cigarettes. 390,519; Sept. 23. Class 17.

Remington Rand Inc. (See American Kardex Company, assignor.)

Revlon Products Corporation, New York, N. Y. Woman's outer and undergarments. 390,445–6; Sept. 23; Serial Nos. 442,458–9; published July 1, 1941. Class 39.

Rice & Adams Corporation, Buffalo, N. Y. Bottle, can, and other certain named washers and milk-bottle fillers, cappers, and pasteurizers. 150,955; renewed Jan. 10, 1942.

Rittenhouse, Joseph, Wildwood, N. J. Board game played with movable pieces and a spinner or dice. 390,391; Sept. 23; Serial No. 438,705; published July 15, 1941. Class 22.

Roach-Indiana Corporation, Gwynnville, Ind. Canned vegetables, tomato juice, and tomato pulp or puree. 390,540; Sept. 23. Class 46.

Rockford Malleable Iron Works, Rockford, Ill., by change of name to Gunite Foundries Corporation. Iron and steel castings and forgings. 150,958; renewed Jan. 10, 1942.

Ross, Sydney, Company, Inc., The, Newark, N. J., and New York, N. Y., to The Sydney Ross Company, Inc., Newark, N. J. Talcum powder. 148,716; renewed Nov. 22, 1941.

S and W Fine Foods, Inc., San Francisco, Calif. Coffee. 390,463; Sept. 23; Serial No. 443,017; published July 15, 1941. Class 46.

Santiago Development Corporation, Long Island City, N. Y. Liquid medicine for malarial fever, headache tablets, etc. 390,474; Sept. 23; Serial No. 443,208; published July 8, 1941. Class 6.

Sarnoff-Irving, Inc., New York, N. Y. Men's and boys' hats, coats, suits, underwear, etc. 390,522; Sept. 23. Class 39.

Schaeffer, Chas. P., doing business as Schaeffer & Company, Reading, Pa. Braids, shoe laces, and corset laces. 151,037; renewed Feb. 14, 1942.

Schafer Co., The, Decatur, Ind. Gloves made of leather and/or fabric. 390,378; Sept. 23; Serial No. 436,320; published June 17, 1941. Class 39.

Schnebbe Fire Protection Engineering Company, New York, N. Y. Vending machines. 390,502; Sept. 23; Serial No. 443,734; published July 15, 1941. Class 23.

Schoenhofen Edelweiss Company, Chicago, Ill. Beer. 390,390; Sept. 23; Serial No. 438,588; published July 15, 1941. Class 48.

Seal-Ins Laboratories, Inc., Los Angeles, Calif. Medicinal compound containing lactic acid, pectin, and agar. 390,444; Sept. 23; Serial No. 442,432; published July 8, 1941. Class 6.

Sears, Roebuck and Co., Chicago, Ill. Men's and boys' rubber footwear. 390,406; Sept. 23; Serial No. 440,958; published July 1, 1941. Class 39.

Semel, J. H., & Co., to J. H. Semel & Co. Inc., New York, N. Y., successor. Hosiery. 151,229; renewed Jan. 24, 1942.

Severa, W. F., Co., Cedar Rapids, Iowa. Medicine for the blood. 147,034; renewed Sept. 27, 1941.

Severa, W. F., Co., Cedar Rapids, Iowa. Medicine for indigestion and similar complaints. 147,162; renewed Oct. 4, 1941.

Severa, W. F., Co., Cedar Rapids, Iowa. Medicine for kidneys and bladder. 147,163; renewed Oct. 4, 1941.

Severa, W. F., Co., Cedar Rapids, Iowa. Antiseptic ointment. 147,164; renewed Oct. 4, 1941.

Severa, W. F., Co., Cedar Rapids, Iowa. Liniment for external application. 147,165; renewed Oct. 4, 1941.

Shapiro, Louis, Chicago, Ill. Cleaning compounds having incidental water softening properties. 390,523; Sept. 23. Class 4.

Sharon Steel Hoop Company, Sharon, Pa., by change of name to Sharon Steel Corporation. Steel plates, strips, and sheets. 150,962; renewed Jan. 10, 1942.

Sherwin-Williams Company, The, Cleveland, Ohio. Paints. 390,463; Sept. 23; Serial No. 442,981; published July 15, 1941. Class 16.

Shulton, Inc., New York, N. Y. Saponaceous compounds for cleaning the hands, shaving cream, shaving sticks, etc. 390,392; Sept. 23; Serial No. 438,999; published July 15, 1941. Class 4.

Sloan, Dr. Earl S., Incorporated, Wilmington, Del., New York, N. Y., and St. Louis, Mo., to Dr. Earl S. Sloan Incorporated, New York, N. Y. Liniment. 150,573; renewed Jan. 3, 1942.

Smith, Alfred H., Company, New York, assignor, by mesne assignments, to Kerkoff, Inc., Long Island City, N. Y. Toilet preparations. 148,740; renewed Nov. 22, 1941.

Society Club Hats Corp., New York, N. Y. Men's hats. 390,530; Sept. 23. Class 39.

Spalding, A. G., & Bros. Inc., Chicopee, Mass. Golf balls, gloves, tennis rackets, volley balls, etc. 390,505; Sept. 23; Serial No. 443,783; published July 15, 1941. Class 22.

Spalding Sales Corporation, Chicopee, Mass. Missiles for racket games, missile rackets, and accessories therefor, racket covers and cases, etc. 390,370; Sept. 23; Serial No. 432,455; published July 15, 1941. Class 22.

Special Formula Corporation, The, East Orange, N. J. Cleansing cream and dry skin cleanser. 390,389; Sept. 23; Serial No. 438,359; published July 15, 1941. Class 6.

Square Controller Company. (See Industrial Controller Company, assignor.)

Standard Brands Incorporated, New York, N. Y. Films carrying associated sound records and pictures for projection. 390,457; Sept. 23; Serial No. 442,734; published July 15, 1941. Class 26.

Stern, Merritt Co. Inc., New York, N. Y. Neckties. 390,545; Sept. 23. Class 39.

Stern, Merritt Co. Inc., New York, N. Y. Neckties. 390,547; Sept. 23. Class 39.

Stetson, John B., Company, Philadelphia, Pa. Men's and women's hats. 390,433; Sept. 23; Serial No. 442,218; published July 1, 1941. Class 39.

Superb Glove Co., The, Johnstown and New York, N. Y. Gloves. 390,544; Sept. 23. Class 39.

Superior Sleeprite Corporation, Chicago, Ill. Tables, chairs, dressers, chests, desks, etc. 390,514; Sept. 23; Serial No. 444,242; published July 15, 1941. Class 32.

Sure-Fit Products Company, Philadelphia, Pa. Mattress covers, blanket covers, day bed covers, etc. 390,367; Sept. 23; Serial No. 431,790; published July 15, 1941. Class 42.

Swift and Company, Chicago, Ill. Sausage. 151,968; renewed Feb. 14, 1942.

Tafel, Robert E., doing business as Tafel Engineering Co., Long Beach, Calif. Motor tricycles. 390,542; Sept. 23. Class 19.

Takeda, Ch., & Co., Ltd., Osaka, Japan. Preparation for beri-beri, influenza, pneumonia, etc. 390,373; Sept. 23; Serial No. 433,766; published July 15, 1941. Class 6.

Tannade Company, The, Chicago, Ill. Tanning extract. 390,503; Sept. 23; Serial No. 443,737; published July 15, 1941. Class 6.

Tassencourt, Amelia B. (See Edwards & Crist Company.)

Templeton Coal Company, Sullivan and Glendora Mine, to Templeton Coal Company, Sullivan and Terre Haute, Ind. Coal. 151,254; renewed Jan. 24, 1942.

Templetons Incorporated, Buffalo, N. Y. Laxative. 390,482; Sept. 23; Serial No. 443,377; published July 8, 1941. Class 6.

Theriaca Products Company. (See Joseph, George.)

Thomas, William G., Varina, N. C. External application effective in the relief of superficial muscular aches and pains. 390,483; Sept. 23; Serial No. 443,378; published July 8, 1941. Class 6.

Union Food Products, Inc., Brooklyn, N. Y. Jellies, jams, and marmalades. 390,528; Sept. 23. Class 46.

Union Fork & Hoe Company, The, Columbus, Ohio. Automatic gas heating and air conditioning units. 390,381; Sept. 23; Serial No. 436,826; published July 1, 1941. Class 34.

Union Tool Chest Company, Rochester, assignor to Union Steel Chest Corporation, Le Roy, N. Y. Tool chests. 151,267; renewed Jan. 24, 1942.

United States Gypsum Company, Chicago, Ill. Roof and side wall covering materials. 390,368; Sept. 23; Serial No. 432,166; published July 15, 1941. Class 12.

United States Shoe Corporation, The, Cincinnati, Ohio. Shoes. 390,476; Sept. 23; Serial No. 443,240; published July 8, 1941. Class 39.

Van Raalte Company, Inc., New York, N. Y. Fabric gloves. 390,454; Sept. 23; Serial No. 442,675; published July 1, 1941. Class 39.

Visamap Company, The. (See Feltault, Arthur J.)

Vulcanite Roofing Company, The, Wilmington, Del., and Buffalo, N. Y., assignor to Certain-Teed Products Corporation, New York, N. Y. Shingles, roofing-tile, roofing-slabs, etc. 145,852; renewed Aug. 16, 1941.

W. & H. Jewelry Company, Inc., Providence, R. I. Bracelets, watch chains, earrings, compacts, etc. 390,531; Sept. 23. Class 28.

Wachsmann, Noa, Flushing, N. Y. Ointment for external use. 390,470; Sept. 23; Serial No. 443,147; published July 15, 1941. Class 6.

Wadsworth-Howland Company, assignor to Jewel Paint and Varnish Co., Chicago, Ill. Paints, varnishes, enamels, etc. 150,639; renewed Jan. 3, 1942.

Wagner Concrete Equipment Company, Portland, Oreg. Portable concrete mixers. 390,393; Sept. 23; Serial No. 439,374; published July 15, 1941. Class 23.

Washington Institute of Technology, Inc., Washington, D. C. Meteorological apparatus for measuring and recording meteorological conditions of the atmosphere. 390,376; Sept. 23; Serial No. 435,091; published July 15, 1941. Class 26.

Wellington Sears Company, Incorporated, New York, N. Y. Drills, jeans, suitings, twills, etc. 390,509; Sept. 23; Serial No. 443,990; published July 15, 1941. Class 42.

Wellington Sears Company, Incorporated, New York, N. Y. Corduroy in the piece. 390,536; Sept. 23. Class 42.

Willys-Overland Motors, Inc., Toledo, Ohio. Automobiles. 390,407; Sept. 23; Serial No. 441,067; published July 1, 1941. Class 19.

Winner Manufacturing Co., Inc., Trenton, N. J. Chemical compound for use in waterproofing. 390,396; Sept. 23; Serial No. 439,915; published July 8, 1941. Class 6.

Winthrop Chemical Company, Inc., New York, N. Y. Preparations for certain named diseases. 150,182; renewed Dec. 27, 1941.

Winthrop Chemical Company, Inc., New York, N. Y. An antiseptic medical substance in powdered form. 150,653; renewed Jan. 3, 1942.

Wool Novelty Co. Inc., New York, N. Y. Tapestry wool yarn. 390,524; Sept. 23. Class 43.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Templeton Coal Company. 151,254; renewed Jan. 24, 1942.

Fuller's earth, fossil earth, and crude tar. Thos. Hubbuck & Son Ltd. 148,442; renewed Nov. 15, 1941.

CLASS 2

Cartons, Folding. Container Corporation of America. 390,550; Sept. 23.

Chests, Tool. Union Tool Chest Company. 151,267; renewed Jan. 24, 1942.

Dishes of paper or fibrous pulp material, Food. Diamond Match Company. 390,549; Sept. 23.

CLASS 3

Pocketbooks and handbags. Best & Co. Inc. 390,451; Sept. 23; Serial No. 442,586; published July 15, 1941.

Purses and pocketbooks. Cartier, Inc. 149,870; renewed Dec. 27, 1941.

CLASS 4

Cleaning compounds having incidental water softening properties. L. Shapiro. 390,523; Sept. 23.

Cleaning-powders and soap. Thos. Hubbuck & Son Limited. 148,082; renewed Nov. 8, 1941.

Liquid product to enable a better grip on golf clubs, etc. G. King. 390,478; Sept. 23; Serial No. 443,294; published July 15, 1941.

Polishing compositions. E. Reed Burns Supply Company. 148,228; renewed Nov. 8, 1941.

Saponacious compounds, shaving cream, shaving sticks, etc. Shulton, Inc. 390,392; Sept. 23; Serial No. 438,999; published July 15, 1941.

Soap. Hewitt Soap Company. 390,469; Sept. 23; Serial No. 443,083; published July 15, 1941.

Soap for hair and skin. Frances Fox Laboratories, Incorporated. 151,768; renewed Feb. 14, 1942.

CLASS 6

Antirheumatic, analgesic, and antipyretic. Bayer Company. 148,636; renewed Nov. 22, 1941.

Antiseptic medical substance in powdered form. Winthrop Chemical Company. 150,653; renewed Jan. 3, 1942.

Antiseptic ointment. W. F. Severa Co. 147,164; renewed Oct. 4, 1941.

Aromatic alkaline powder for mouth and tooth washes. L. Dreyfus. 148,817; renewed Nov. 29, 1941.

Beauty-cream. K. M. Quinlan. 145,996; renewed Aug. 23, 1941.

Chemical compound for conditioning of well drilling muds. General Chemical Company. 390,477; Sept. 23; Serial No. 443,250; published July 8, 1941.

Chemical compound for use in water-proofing. Winner Manufacturing Co. 390,396; Sept. 23; Serial No. 439,915; published July 8, 1941.

Chemical preparation for the treatment of hair. A. Hastad. 390,501; Sept. 23; Serial No. 443,720; published July 8, 1941.

Chemical preparation used as a base for ointments. J. Halden & Company. 390,360; Sept. 23; Serial No. 420,002; published July 8, 1941.

Chemical products. Givaudan-Delawanna, Inc. 390,371; Sept. 23; Serial No. 432,524; published July 23, 1940.

Chemical solution for treating lawn soil. Destruxol Corporation. 390,504; Sept. 23; Serial No. 443,754; published July 15, 1941.

Cleansing cream and dry skin cleanser. Special Formula Corporation. 390,389; Sept. 23; Serial No. 438,359; published July 15, 1941.

Compositions for use in the preparation and treatment of lithographic plates, etc. Coleman & Bell Company. 390,394; Sept. 23; Serial No. 439,688; published July 8, 1941.

Cosmetics and beauty preparations. J. Cochran. 390,485; Sept. 23; Serial No. 443,400; published July 8, 1941.

Dentrifice. W. H. Hall. 20,552; re-renewed Jan. 5, 1942.

Deodorizer. Anglo Soap Corporation. 390,427; Sept. 23; Serial No. 442,021; published July 8, 1941.

Dog shampoo. Magitex Company. 390,481; Sept. 23; Serial No. 443,368; published July 8, 1941.

Emulsifying, wetting, and dispersing agents. Atlas Powder Company. 390,506; Sept. 23; Serial No. 443,800; published July 8, 1941.

External application effective in the relief of superficial muscular aches and pains. William G. Thomas. 390,483; Sept. 23; Serial No. 443,378; published July 8, 1941.

Face powder, lotions, creams, hand lotion, lipstick, etc. Lina Cavellero Inc. 390,429; Sept. 23; Serial No. 442,107; published July 8, 1941.

Face powders, rouge, creams, lip sticks, toilet water, perfumes, etc. H. D. Koenig. 390,423; Sept. 23; Serial No. 441,872; published July 8, 1941.

Fatty acids. Emery Industries, Inc. 390,489–90; Sept. 23; Serial Nos. 443,490–1; published July 8, 1941.

Filter powder used in dry cleaning. Emery Industries, Inc. 390,491; Sept. 23; Serial No. 443,493; published July 8, 1941.

Fish oil used in the preparation of poultry feeds. East Bay Fisheries. 390,442; Sept. 23; Serial No. 442,412; published July 8, 1941.

Hair dressing. P and K Company. 390,431; Sept. 23; Serial No. 442,138; published July 8, 1941.

Hair-dressing preparations. T. Noonan & Sons Company. 145,986; renewed Aug. 23, 1941.

Hair pomade, shampoo preparations. Plough, Inc. 390,415; Sept. 23; Serial No. 441,547; published July 8, 1941.

Hair treating preparations. Inecto, Inc. 390,356; Sept. 23; Serial No. 398,538; published Dec. 28, 1937.

Laxative. Templetons Incorporated. 390,482; Sept. 23; Serial No. 443,377; published July 8, 1941.

Liniment. Dr. Earl S. Sloan Incorporated. 150,573; renewed Jan. 3, 1942.

Liniment for external application. W. F. Severa Co. 147,165; renewed Oct. 4, 1941.

Lipstick, rouge, face powders, perfumes, etc. Associated Distributers, Inc. 390,543; Sept. 23.

Liquid medicine for malarial fever, headache tablets, etc. Santiago Development Corporation. 390,474; Sept. 23; Serial No. 443,208; published July 8, 1941.

Liquid preparation known as eye drops. Carhoff Company. 390,513; Sept. 23; Serial No. 444,213; published July 15, 1941.

Material for improving the finish of textile fabrics in dry cleaning. Emery Industries, Inc. 390,492; Sept. 23; Serial No. 443,494; published July 8, 1941.

Medicated or denatured alcohol. Owl Drug Company. 150,509; renewed Jan. 3, 1942.

Medicinal compound containing lactic acid, pectin, and agar. Seal-ins Laboratories, Inc. 390,444; Sept. 23; Serial No. 442,432; published July 8, 1941.

Medicinal wafers. Abbott Laboratories. 390,357; Sept. 23; Serial No. 401,965; published May 3, 1938.

Medicine. A. Hendrickson. 390,386; Sept. 23; Serial No. 437,679; published July 8, 1941.

Medicine for arthritis and stiff joints. J. Horvath. 390,436; Sept. 23; Serial No. 442,264; published July 8, 1941.

Medicine for indigestion and similar complaints. W. F. Severa Co. 147,162; renewed Oct. 4, 1941.

Medicine for kidneys and bladder. W. F. Severa Co. 147,163; renewed Oct. 4, 1941.

Medicine for leg ulcers, varicose veins, blood poisoning and bad blood. J. Horvath. 390,435; Sept. 23; Serial No. 442,263; published July 8, 1941.

Medicine for the blood. W. F. Severa Co. 147,034; renewed Sept. 27, 1941.

Oils, with or without resin additions, Dechlorinated. H. A. Gardner. 146,987; renewed Sept. 27, 1941.

Ointment. N. Wachsmann. 390,470; Sept. 23; Serial No. 443,147; published July 15, 1941.

Perfume. Andrew Jergens Company. 148,674; renewed Nov. 22, 1941.

Perfumes and cosmetic creams. Lentheric, Incorporated. 390,515–17; Sept. 23; Serial Nos. 444,265–7; published July 15, 1941.

Perfumes, brilliantines, hair lotion, etc. Kirby's Products. 390,479; Sept. 23; Serial No. 443,295; published July 8, 1941.

Pharmaceutical preparations for the treatment of indigestion, flatulence, gastritis, etc. Macleans, Limited. 390,421; Sept. 23; Serial No. 441,827; published July 8, 1941.

Poison ivy preparation. M. T. Carleton. 390,488; Sept. 23; Serial No. 443,452; published July 8, 1941.

Powders for holding false teeth in place. Hudson Products, Inc. 390,473; Sept. 23; Serial No. 443,194; published July 8, 1941.

Preparation for beri-beri, influenza, pneumonia, etc. Ch. Takeda & Co. 390,373; Sept. 23; Serial No. 433,766; published July 15, 1941.

Preparations for certain named diseases. Winthrop Chemical Company. 150,182; renewed Dec. 27, 1941.

Preparation for external use in treating rheumatism, neuritis, lumbago, etc. G. Joseph. 390,410; Sept. 23; Serial No. 441,293; published July 8, 1941.

Preparation for treatment of athlete's foot and other skin diseases. H V Laboratories, Inc. 390,512; Sept. 23; Serial No. 444,080; published July 15, 1941.
Skin ointment for external use. Andromachus Corporation. 390,507; Sept. 23; Serial No. 443,830; published July 8, 1941.
Talcum powder. Sydney Ross Company. 148,716; renewed Nov. 22, 1941.
Tanning extract. Tannade Company. 390,503; Sept. 23; Serial No. 443,737; published July 15, 1941.
Textile dyeing assistants. American Aniline Products, Inc. 390,510; Sept. 23; Serial No. 444,032; published July 8, 1941.
Toilet powder. Andrew Jergens Company. 148,676; renewed Nov. 22, 1941.
Toilet preparations. Alfred H. Smith Company. 148,740; renewed Nov. 22, 1941.
Toilet preparations and the like. A. E. Kiesling. 146,112; renewed Aug. 30, 1941.
Tooth wash. F. W. Ames. 151,419; renewed Feb. 7, 1942.

CLASS 7

Ropes, cord, and twines, Cotton, hemp, and jute. California Cotton Mills Company. 151,320; renewed Jan. 31, 1942.

CLASS 11

Inks, Printing. General Printing Ink Corporation. 390,494; Sept. 23; Serial No. 443,563; published July 15, 1941.
Inks, Printing. Interchemical Corporation. 390,495; Sept. 23; Serial No. 443,567; published July 15, 1941.
Inks, Printing, lithographic, water color, etc. Mosler and Brandmark Printing Ink Corporation. 390,462; Sept. 23; Serial No. 442,912; published July 15, 1941.

CLASS 12

Anti-landing device for pigeons. Pthinon Bar Co. 390,387; Sept. 23; Serial No. 438,085; published July 15, 1941.
Decorative wall covering for room interiors. L. A. Dussol & Co. 390,426; Sept. 23; Serial No. 442,005; published July 8, 1941.
Door installations comprising door and hardware, Complete upward acting. Crawford Door Company. 390,525; Sept. 23.
Insulated siding. Globe Roofing Products Co. 390,472; Sept. 23; Serial No. 443,190; published July 8, 1941.
Metal lath, corner bead, expanded metal corner bead, etc. National Gypsum Company. 390,369; Sept. 23; Serial No. 432,268; published July 15, 1941.
Roof and side wall covering materials. United States Gypsum Company. 390,368; Sept. 23; Serial No. 432,166; published July 15, 1941.
Shingles, roofing-tile, roofing-slabs, etc. Vulcanite Roofing Company. 145,852; renewed Aug. 16, 1941.
Windows and window frames. Lindsley Lumber Company. 390,405; Sept. 23; Serial No. 440,942; published July 8, 1941.

CLASS 13

Bath and sink stoppers. Rainbow Rubber Company. 390,535; Sept. 23.
Casters. Bassick Company. 150,727; renewed Jan. 10, 1942.
Frame for electric glass coffee makers, Metal safety assembly. G. A. Charlston. 390,384; Sept. 23; Serial No. 437,164; published July 15, 1941.
Metal-pipe fittings. American Steel Foundries. 148,347; renewed Nov. 15, 1941.
Nozzles. American Machine & Metals, Inc. 390,380; Sept. 23; Serial No. 436,786; published July 15, 1941.
Screws, bolts, nuts and rivets. Central Screw Company. 390,377; Sept. 23; Serial No. 436,203; published July 8, 1941.
Warming-closets, steam-tables, coffee-urns, etc. Morandi-Proctor Company. 150,015; renewed Dec. 27, 1941.
Wire cloth and netting. American Cellulose & Chemical Manufacturing Company. 147,746; renewed Nov. 1, 1941.
Wire cloth and netting. American Cellulose & Chemical Manufacturing Company. 147,901; renewed Nov. 8, 1941.

CLASS 14

Anchors and certain castings. American Steel Foundries. 148,982; renewed Dec. 6, 1941.
Castings, Aluminum, brass, and bronze metal. Central Pattern and Foundry Company. 390,441; Sept. 23; Serial No. 442,381; published July 15, 1941.
Iron and steel castings and forgings. Rockford Malleable Iron Works. 150,958; renewed Jan. 10, 1942.
Metal rods, Channel-shaped. Beckett, Laycock & Watkinson Limited. 148,353; renewed Nov. 15, 1941.
Steel, Alloy. Lancaster Steel Co. 390,475; Sept. 23; Serial No. 443,233; published July 15, 1941.
Steel plates, strips, and sheets. Sharon Steel Hoop Company. 150,962; renewed Jan. 10, 1942.

CLASS 15

Automobile filling station supplies. Hickok Oil Corporation. 390,452; Sept. 23; Serial No. 442,628; published July 15, 1941.
Greases, Mineral. Panama Lubricants Company. 151,203; renewed Jan. 24, 1942.

CLASS 16

Enamel coatings for electric lamp reflectors. Hygrade Sylvania Corporation. 390,398; Sept. 23; Serial No. 440,199; published July 15, 1941.
Paints. Sherwin-Williams Company. 390,463; Sept. 23; Serial No. 442,981; published July 15, 1941.
Paints containing radioactive substances, Luminous. Gebrüder Junghans Aktiengesellschaft. 144,398; renewed July 5, 1941.
Paints, varnishes, enamels, etc. Wadsworth-Howland Company. 150,639; renewed Jan. 3, 1942.

CLASS 17

Cigarettes. E. A. Condax & Company. 150,778; renewed Jan. 10, 1942.
Cigarettes. Reed Tobacco Company Branch Larus & Brother Company. 390,519; Sept. 23.

CLASS 19

Automobiles. Willys-Overland Motors, Inc. 390,407; Sept. 23; Serial No. 441,067; published July 1, 1941.
Cars and trucks and parts thereof, Road, railway, and trailer. Differential Steel Car Company. 390,359; Sept. 23; Serial No. 418,139; published July 15, 1941.
Motorcycles and bicycles. Edwards & Crist Company. 145,656; renewed Aug. 16, 1941.
Motor tricycles. R. E. Tafel. 390,542; Sept. 23.
Road map holders. A. J. Feltault. 390,411; Sept. 23; Serial No. 441,337; published July 8, 1941.
Windshield wiper blades and parts thereof. Anderson Company. 390,408; Sept. 23; Serial No. 441,072; published July 15, 1941.

CLASS 21

Electric-lighting fixtures, Portable. H. G. McFaddin & Co. 151,538; renewed Feb. 7, 1942.
Electric welders and parts thereof. Federal Machine & Welder Co. 151,473; renewed Feb. 7, 1942.
Electrical governors. Dynamatic Corporation. 390,430; Sept. 23; Serial No. 442,116; published July 15, 1941.
Electrical-motor starters and controllers. Industrial Controller Company. 145,381; renewed Aug. 2, 1941.
Electrically-driven tools, electric motors, generators, etc. Louisville Electric Manufacturing Company. 151,533; renewed Feb. 7, 1942.
Intercommunicating systems. Operadio Manufacturing Co. 390,443; Sept. 23; Serial No. 442,425; published July 15, 1941.
Juice extracting machine. Jiffy Juicing Machines, Inc. 390,449; Sept. 23; Serial No. 442,557; published July 15, 1941.
Motor-driven device employed to shake receptacles and their contents. Fisher Scientific Company. 390,499; Sept. 23; Serial No. 443,657; published July 15, 1941.
Switches, Snap acting. Acro Electric Company. 390,480; Sept. 23; Serial No. 443,317; published July 15, 1941.

CLASS 22

Game, Amusement. Burr & Johnson. 390,497; Sept. 23; Serial No. 443,650; published July 15, 1941.
Game, Board. J. Rittenhouse. 390,391; Sept. 23; Serial No. 438,705; published July 15, 1941.
Golf balls, gloves, tennis rackets, etc. A. G. Spalding & Bros. Inc. 390,505; Sept. 23; Serial No. 443,783; published July 15, 1941.
Missiles for racket games, missile rackets, and accessories therefor, racket covers and cases, etc. Spalding Sales Corporation. 390,370; Sept. 23; Serial No. 432,455; published July 15, 1941.

CLASS 23

Concrete mixers, Portable. Wagner Concrete Equipment Company. 390,393; Sept. 23; Serial No. 439,374; published July 15, 1941.
Cultivators, Hand. American Fork & Hoe Company. 146,160; renewed Sept. 6, 1941.
Drills, lifters, combines, Beet. Minneapolis-Moline Power Implement Company. 390,414; Sept. 23; Serial No. 441,517; published July 15, 1941.
Exhaust pipe deflectors, Automobile. L. A. Koch. 390,447; Sept. 23; Serial No. 442,492; published July 15, 1941.
Handles for hand and power mowers. Eclipse Lawn Mower Company. 390,532; Sept. 23.
Jacks, Automobile tire. L. L. Judge. 390,455; Sept. 23; Serial No. 442,683; published July 15, 1941.
Tools, Farm, garden, and other hand. American Fork & Hoe Company. 146,672; renewed Sept. 20, 1941.
Tools, Metal working machine. Potter & Johnston Machine Company. 390,388; Sept. 23; Serial No. 438,214; published July 15, 1941.
Vending machines. Schnebbe Fire Protection Engineering Company. 390,502; Sept. 23; Serial No. 443,734; published July 15, 1941.
Washers, milk-bottle fillers, cappers, and pasteurizers, Bottle, can, and other named. Rice & Adams Corporation. 150,955; renewed Jan. 10, 1942.

CLASS 26

Calculators. Nutilities, Inc. 390,430; Sept. 23; Serial No. 442,365; published July 15, 1941.
Films, Motion picture, sound, etc. G. J. Pal. 390,500; Sept. 23; Serial No. 443,700; published July 15, 1941.
Meteorological apparatus. Washington Institute of Technology, Inc. 390,376; Sept. 23; Serial No. 435,991; published July 15, 1941.
Records and pictures, Sound. Standard Brands Incorporated. 390,457; Sept. 23; Serial No. 442,734; published July 15, 1941.
Telescopes and binoculars. International Industries, Inc. 390,487; Sept. 23; Serial No. 443,417; published July 15, 1941.
Thermostats. Bishop & Babcock Company. 141,871; renewed May 3, 1941.

CLASS 28

Bracelets, watch chains, earrings, compacts, etc. W. & H. Jewelry Company. 390,531; Sept. 23.
Flatware, hollowware, and toiletware. Georg Jensen Inc. 390,374; Sept. 23; Serial No. 434,876; published July 15, 1941.

CLASS 29

Brushes, dusters, and daubers. Fuller Brush Company. 151,132; renewed Jan. 24, 1942.

CLASS 32

Card-index, record, and filing systems and parts thereof. American Kardex Company. 147,257–8; renewed Oct. 11, 1941.
Card-index, record, and filing systems and parts thereof. American Kardex Company. 147,259; renewed Oct. 11, 1941.
Card-index, record, and filing systems and parts thereof. American Kardex Company. 147,260; renewed Oct. 11, 1941.
Davenports, sofas, settees, etc., Upholstered. S. Karpen & Bros. 149,967; renewed Dec. 27, 1941.
Pillows, Feather. R. C. Heller Company. 151,805; renewed Feb. 14, 1942.
Tables, chairs, dressers, etc. Superior Sleeprite Corporation. 390,514; Sept. 23; Serial No. 444,242; published July 15, 1941.

CLASS 33

Bottles, jars, and jugs, all made of glass. Owens-Illinois Glass Company. 390,467; Sept. 23; Serial No. 443,051; published July 8, 1941.
Glass bottles. Brockway Glass Company. 390,466; Sept. 23; Serial No. 443,038; published July 8, 1941.
Glass in sheet form. Blue Ridge Glass Corporation. 390,397; Sept. 23; Serial No. 439,924; published July 1, 1941.
Glassware, Table. Crystalite Products Company. 390,538; Sept. 23.
Laminated safety glass. Pittsburgh Plate Glass Company. 390,464; Sept. 23; Serial No. 443,015; published July 8, 1941.

CLASS 34

Gas heating and air conditioning units, Automatic. Union Fork & Hoe Company. 390,381; Sept. 23; Serial No. 436,826; published July 1, 1941.
Ventilators and chimney-caps. Day Company. 146,723; renewed Sept. 20, 1941.

CLASS 35

Rubber tire tread repair material, Dye-run unvulcanized. B. F. Goodrich Company. 390,529; Sept. 23.

CLASS 36

Musical instruments, Stringed. Epiphone, Inc. 390,486; Sept. 23; Serial No. 443,409; published July 15, 1941.
Phonograph needles. Recoton Corporation. 390,424; Sept. 23; Serial No. 441,924; published July 15, 1941.
Reeds and mouthpieces. M. Maccaferri. 390,456; Sept. 23; Serial No. 442,714; published July 15, 1941.

CLASS 38

Newspaper section. New York Evening Journal, Inc. 390,448; Sept. 23; Serial No. 442,496; published June 3, 1941.
Printed booklets and pamphlets. American Social Hygiene Association, Inc. 145,534; renewed Aug. 9, 1941.

CLASS 39

Belts. Real Silk Hosiery Mills, Inc. 390,409; Sept. 23; Serial No. 441,178; published July 1, 1941.
Boots. H. J. Justin & Sons, Inc. 390,401; Sept. 23; Serial No. 440,818; published June 24, 1941.
Caps, coats, pants, etc. Red Head Brand Company. 390,412; Sept. 23; Serial No. 441,412; published July 8, 1941.
Clothes, Play. Caples Company. 390,420; Sept. 23; Serial No. 441,808; published July 1, 1941.
Clothing. Dunlap & Co. 151,121; renewed Jan. 24, 1942.
Coats, suits, slacks, skirts, etc. Desirable Coats. 390,540; Sept. 23.
Corsets, girdles, foundations, etc. Kabo Corset Company. 390,382; Sept. 23; Serial No. 436,849; published July 1, 1941.
Crotch members, Detachable. Blair Corset Company. 390,372; Sept. 23; Serial No. 433,373; published June 17, 1941.
Diapers, Textile. Fitts Cotton Goods Co. 390,541; Sept. 23.
Dresses, coats, hats, etc. Best & Co. Inc. 390,450; Sept. 23; Serial No. 442,585; published July 1, 1941.
Dresses, coats, outer skirts, etc. Johara, Inc. 390,417; Sept. 23; Serial No. 441,703; published June 17, 1941.
Dresses, evening dresses, playsuits, etc. Best & Co. Inc. 390,460; Sept. 23; Serial No. 442,859; published July 8, 1941.
Footwear, Rubber. Sears, Roebuck and Co. 390,406; Sept. 23; Serial No. 440,958; published July 1, 1941.
Garments, Protective. L. Lustig. 390,379; Sept. 23; Serial No. 436,350; published June 17, 1941.
Garters, suspenders, and belts in the nature of garment supporters, Men's. Globe Novelty House. 390,395; Sept. 23; Serial No. 439,693; published July 8, 1941.
Gloves. Allied Stores Corporation. 390,399; Sept. 23; Serial No. 440,435; published July 1, 1941.
Gloves. Daniel Hays Company. 390,361; Sept. 23; Serial No. 424,960; published July 1, 1941.
Gloves. Julius Kayser & Co. 390,434; Sept. 23; Serial No. 442,231; published July 1, 1941.
Gloves. Schafer Co. 390,378; Sept. 23; Serial No. 436,320; published June 17, 1941.
Gloves. Superb Glove Co. 390,544; Sept. 23.
Gloves. Van Raalte Company. 390,454; Sept. 23; Serial No. 442,675; published July 1, 1941.
Gloves, Leather. Lewis & Locke, Inc. 390,402; Sept. 23; Serial No. 440,867; published June 17, 1941.
Gloves, Leather. Lewis & Locke, Inc. 390,403; Sept. 23; Serial No. 440,868; published July 1, 1941.
Hair nets. Brooklyn Mills, Inc. 390,383; Sept. 23; Serial No. 437,163; published July 15, 1941.
Hats and caps, Men's and boys'. I. Alport. 390,468; Sept. 23; Serial No. 443,065; published July 8, 1941.
Hats. I. B. Kleinert Rubber Company. 390,366; Sept. 23; Serial No. 430,776; published July 1, 1941.
Hats. John B. Stetson Company. 390,433; Sept. 23; Serial No. 442,218; published July 1, 1941.
Hats. Mallory Hat Company. 390,416; Sept. 23; Serial No. 441,615; published July 8, 1941.
Hats. May Department Stores Company. 390,539; Sept. 23.
Hats. National-Nampel, Inc. 390,521; Sept. 23.
Hats, coats, suits, underwear, etc., Men's and boys'. Sarnoff-Irving, Inc. 390,522; Sept. 23.
Hats. Society Club Hats Corp. 390,530; Sept. 23.
Hosiery. J. H. Semel & Co. 151,229; renewed Jan. 24, 1942.
Hosiery, Knit. Black Cat Textiles Company. 145,609; renewed Aug. 16, 1941.
Neckties. Stern, Merritt Co. Inc. 390,545; Sept. 23.
Neckties. Stern, Merritt Co. Inc. 390,547; Sept. 23.
Outer and undergarments, Women's. Revlon Products Corporation. 390,445–6; Sept. 23; Serial Nos. 442,458–9; published July 1, 1941.
Over-alls, cover-alls, and trousers. Kahn Manufacturing Company. 149,128; renewed Dec. 6, 1941.
Overcoats, pants, hats, etc. Philip Kronfeld, Inc. 390,537; Sept. 23.
Panties and girdles. Gluvtex Corporation. 390,453; Sept. 23; Serial No. 442,660; published July 1, 1941.
Pants, Baby. I. B. Kleinert Rubber Company. 390,358; Sept. 23; Serial No. 417,495; published July 1, 1941.
Playsuits and sportswear. Louis Geiger Inc. 390,432; Sept. 23; Serial No. 442,162; published June 24, 1941.
Shoes. Brown Shoe Company. 390,496; Sept. 23; Serial No. 443,627; published July 15, 1941.
Shoes. David Brown Shoe Company. 390,526–7; Sept. 23.
Shoes. Millus Shoe Company. 390,461; Sept. 23; Serial No. 442,911; published July 1, 1941.
Shoes. United States Shoe Corporation. 390,476; Sept. 23; Serial No. 443,240; published July 8, 1941.
Shoes and slippers. Groves Shoe Co. 390,363; Sept. 23; Serial No. 429,699; published Apr. 8, 1941.
Shoes, Bowling. Dodson-Fisher Company. 390,413; Sept. 23; Serial No. 441,504; published July 8, 1941.
Shoes, Bowling. R. Metz. 390,404; Sept. 23; Serial No. 440,870; published June 17, 1941.
Shoe welting. Barbour Welting Company. 390,548; Sept. 23.
Sleeping garments, gowns, slips, etc. B. Billow. 390,484; Sept. 23; Serial No. 443,390; published July 15, 1941.
Sweaters, scarfs, slack suits, etc. Elgin Knit Sportswear, Inc. 390,534; Sept. 23.
Undergarments, Women's. William Carter Company. 390,425; Sept. 23; Serial No. 441,945; published June 17, 1941.
Wearing apparel. Chicago Mail Order Company. 390,418–19; Sept. 23; Serial Nos. 441,725–6; published July 1, 1941.

CLASS 40

Braids, shoe laces and corset laces. Chas. P. Schaeffer. 151,937; renewed Feb. 14, 1942.
Ladder web for Venetian blinds, Woven. Thomas French & Sons, Ltd. 390,438; Sept. 23; Serial No. 442,816; published June 17, 1941.

CLASS 41

Umbrellas and parasols. L. Bamberger & Co. 390,459; Sept. 23; Serial No. 442,890; published June 24, 1941.

CLASS 42

Corduroy in the piece. Wellington Sears Company. 390,536; Sept. 23.
Curtains, Window. Bartmann & Bixer Inc. 390,362; Sept. 23; Serial No. 429,340; published July 15, 1941.
Drills, jeans, suitings, twills, etc. Wellington Sears Company. 390,509; Sept. 23; Serial No. 443,990; published July 15, 1941.
Fabric, piece goods, woven elastic. Darlington Fabrics Corporation. 390,365; Sept. 23; Serial No. 430,220; published July 15, 1941.
Mattress covers, blanket covers, etc. Sure-Fit Products Company. 390,367; Sept. 23; Serial No. 431,790; published July 15, 1941.
Piece goods. L. Bach. 148,633; renewed Nov. 22, 1941.
Silks and silk fabrics in the piece. Denville Silk Co. Inc. 147,300; renewed Oct. 11, 1941.
Towels, Face and bath. H. W. Baker Linen Company. 390,511; Sept. 23; Serial No. 444,033; published July 15, 1941.

CLASS 43

Thread and strands both covered and uncovered, Elastic. American Mills Company of New York. 390,422; Sept. 23; Serial No. 441,846; published June 17, 1941.
Thread and yarn and thread and yarn filaments, Synthetic. American Viscose Corporation. 390,385; Sept. 23; Serial No. 437,361; published July 8, 1941.
Yarn, Tapestry wool. Wool Novelty Co. Inc. 390,524; Sept. 23.

CLASS 44

Arch supports. Kleistone Rubber Co. 390,551; Sept. 23.
Hearing aids, Electrical radio-tube. Paraphone Hearing Aid, Inc. 390,440; Sept. 23; Serial No. 442,267; published July 15, 1941.
Prophylactic rubber articles for the prevention of contagious diseases. Prophylactic Products Corporation. 390,520; Sept. 23.

CLASS 45

Root beer. Drink-Mor Beverage Company. 390,498; Sept. 23; Serial No. 443,654; published July 15, 1941.

CLASS 46

Bread. William Freihofer Baking Company. 390,493; Sept. 23; Serial No. 443,535; published July 15, 1941.
Candy. Curtiss Candy Company. 145,938; renewed Aug. 23, 1941.
Candy. Curtiss Candy Company. 146,564; renewed Sept. 13, 1941.
Candy. Curtiss Candy Company. 147,579; renewed Oct. 25, 1941.
Candy. Elmer Candy Co. 390,428; Sept. 23; Serial No. 442,031; published July 15, 1941.
Candy. Fine Products Corporation. 390,533; Sept. 23.
Canned pears, canned tomatoes, certain named fresh vegetables, and fresh fruits. California Vegetable Union. 149,865; renewed Dec. 27, 1941.
Canned vegetables, tomato juice, and tomato pulp or puree. Roach-Indiana Corporation. 390,546; Sept. 23.
Chewing-gum. M. S. Copeland. 146,205; renewed Sept. 6, 1941.
Coffee. S and W Fine Foods, Inc. 390,465; Sept. 23; Serial No. 443,017; published July 15, 1941.
Culinary preparation, being a vegetable extract prepared from the yeast-cell, Concentrated. Marmite Food Extract Co. 146,810; renewed Sept. 20, 1941.
Ducks, Live and dressed. Farmers' Commission House, Inc. 151,754; renewed Feb. 14, 1942.
Egg-albumen and egg-yolk, Powdered. Orbis Products Trading Co. 145,570; renewed Aug. 9, 1941.
Flour, Diabetic. Curdolac Food Co. 145,646; renewed Aug. 16, 1941.
Fruit, Fresh citrus. Garden Grove Mutual Orange Assn. 390,375; Sept. 23; Serial No. 435,842; published July 15, 1941.
Fruits, Preserved. Causse Manufacturing & Importing Co. 390,400; Sept. 23; Serial No. 440,713; published July 15, 1941.
Jellies, Jams, and Marmalades. Union Food Products, Inc. 390,528; Sept. 23.
Limes, Fresh. Calavo-Subtropic Fruit Co. 390,518; Sept. 23.
Malt syrup. Premier Malt Products Co. of Ohio, Inc. 149,716; renewed Dec. 20, 1941.
Oats, Rolled. Quaker Oats Company. 390,364; Sept. 23; Serial No. 427,992; published July 15, 1941.
Rice. Comet Rice Mills, Inc. 390,471; Sept. 23; Serial No. 443,185; published July 15, 1941.
Rolls, Hamburger. C. Michaelis. 390,458; Sept. 23; Serial No. 442,795; published July 15, 1941.
Salt, Artificially colored table. S. S. Piper. 390,437; Sept. 23; Serial No. 442,277; published July 15, 1941.
Sausage. Swift and Company. 151,968; renewed Feb. 14, 1942.
Seasonings for improving soups, sauces, and gravies; soups, consommé, bouillon, sauces, and gravies. Maggi Co. 149,997-8; renewed Dec. 27, 1941.
Vegetables and melons, Fresh. Jack Bros. and McBurney, Inc. 390,508; Sept. 23; Serial No. 443,846; published July 15, 1941.
Wheat-flour, and particularly self-rising flour. Ballard & Ballard Company. 148,992; renewed Dec. 6, 1941.

CLASS 48

Beer. Schoenhofen Edelweiss Company. 390,390; Sept. 23; Serial No. 438,588; published July 15, 1941.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 23D DAY OF SEPTEMBER, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Bostad, Fred. (See Nielsen, S. F., and Bostad.)

Brenneisen, Hermann, Paris, France. Strapping material for binding or securing boxes, bales, parcels, and other packages, and manufacturing the same. Re. 21,903; Sept. 23.

Hydraulic Press Corporation, The. (See Shaw, Victor S., assignor.)

Land, Edwin H., Boston, Mass., assignor, by mesne assignments, to Polaroid Corporation, Dover, Del. Laminated light polarizers. Re. 21,904; Sept. 23.
Nielsen, Sverre F., San Diego, and F. Bostad, Los Angeles, Calif. Building construction. Re. 21,905; Sept. 23.
Polaroid Corporation. (See Land, Edwin H., assignor.)
Shaw, Victor S., Cardington, Ohio, assignor to The Hydraulic Press Corporation, Inc., Wilmington, Del. Plastic extrusion molding press. Re. 21,906; Sept. 23.

LIST OF PLANT PATENTEES

Good, John M., assignor to Good & Reece, Inc., Springfield, Ohio. Chrysanthemum plant. 490; Sept. 23.
Good & Reece, Inc. (See Good, John M., assignor.)

Kramer, August, assignor to Kramer Bros. Nurseries, Ontario, Calif. Chrysanthemum plant. 489; Sept. 23.
Kramer Bros. Nurseries. (See Kramer, August, assignor.)

LIST OF DESIGN PATENTEES

Adler Manufacturing Co. (See Donaldson, Joseph F., assignor.)
American Hard Rubber Company. (See Reppert, Roland, assignor.)
American Type Founders, Inc. (See Chappell, Warren, assignor.)
Apisdorf, Irving, New York, N. Y. Pin. 129,628; Sept. 23.
Apisdorf, Irving, New York, N. Y. Pin. 129,629; Sept. 23.
Ausubel, Abraham, New York, N. Y. Heel. 129,576; Sept. 23.
Ausubel, Abraham, New York, N. Y. Heel. 129,577; Sept. 23.
Axelrad, Ben, New York, N. Y. Dress. 129,676; Sept. 23.
Bergman, Gus E., Columbus, Nebr. Boot. 129,630; Sept. 23.
Bingham, George H., Jr., Lincoln, assignor to Cambridge Rubber Co., Cambridge, Mass. Rubber boot. 129,601; Sept. 23.
Bolten, John, Andover, Mass., and R. H. Goldbaum, Plaistow, N. H. Shoe heel. 129,578; Sept. 23.
Bowers, William Henry, Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Condiment shaker. 129,631; Sept. 23.
Bowers, William Henry, Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Condiment shaker set. 129,632; Sept. 23.
Bowers, William Henry, Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Condiment shaker holder. 129,633; Sept. 23.
Breakstone Bros., Inc. (See Forgue, Charles, assignor.)
Briggs Manufacturing Company. (See Roberts, Ralph S., assignor.)
Brucato, Marie, New York, N. Y. Dress. 129,677; Sept. 23.
Bryan, Sally C., Denver, Colo. Generator for producing radium activity. 129,634; Sept. 23.
Cadwallader, Robert, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Lamp lens. 129,641; Sept. 23.
Cadwallader, Robert, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Lamp lens. 129,642; Sept. 23.
Cambridge Rubber Co. (See Bingham, George H., Jr., assignor.)
Cartier, Inc. (See Foret, Edmond, assignor.)
Chappell, Warren, New York, N. Y., assignor to American Type Founders, Inc., Elizabeth, N. J. Font of type. 129,613; Sept. 23.
Charles, Camille, New York, N. Y. Dress. 129,665; Sept. 23.
Charles, Camille, New York, N. Y. Dress. 129,666; Sept. 23.
Charles, Camille, New York, N. Y. Dress. 129,678; Sept. 23.
Christen, Marcel, New York, N. Y. Textile fabric. 129,643; Sept. 23.
Christen, Marcel, New York, N. Y. Textile fabric. 129,644; Sept. 23.
Christen, Marcel, New York, N. Y. Textile fabric. 129,645; Sept. 23.
Christen, Marcel, New York, N. Y. Textile fabric. 129,646; Sept. 23.
Chrysler Corporation. (See Cadwallader, Robert, assignor.)
Ciccone, Elizabeth M., New York, N. Y. Dress. 129,679; Sept. 23.
Cohn & Rosenberger, Inc. (See Verrecchio, Gene, assignor.)
Craley, Nathaniel N., assignor to Red Lion Furniture Co., Red Lion, Pa. Vanity or similar article. 129,623; Sept. 23.
Craley, Nathaniel N., assignor to Red Lion Furniture Co., Red Lion, Pa. Vanity or similar article. 129,624; Sept. 23.
Crane Co. (See Dreyfuss, Henry, assignor.)
Cutler, Elizabeth, New York, N. Y. Dress. 129,680; Sept. 23.
Cutler, Elizabeth, New York, N. Y. Dress. 129,681; Sept. 23.
Cutler, Elizabeth, New York, N. Y. Dress. 129,682; Sept. 23.
Demko, Julius J., assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage battery cover. 129,602; Sept. 23.
De Rosa, Ralph, Bronx, N. Y. Bracelet or similar article. 129,635; Sept. 23.
De Vilbiss Company, The. (See Vuillemenot, Frederic A., assignor.)
Di Nezza, Gioacchino, Providence, R. I. Pocketknife. 129,579; Sept. 23.
Donaldson, Joseph F., assignor to Adler Manufacturing Co., Incorporated, Louisville, Ky. Combination desk unit. 129,614; Sept. 23.
Dreitzer, Albert J., assignor to Pitman-Dreitzer & Company, Inc., New York, N. Y. Glass plate or article of similar nature. 129,647; Sept. 23.
Dreyfuss, Henry, New York, N. Y., assignor to Crane Co., Chicago, Ill. Valve. 129,625; Sept. 23.
Dreyfuss, Henry, New York, N. Y., assignor to Hygrade Sylvania Corporation, Salem, Mass. Fluorescent display lamp. 129,636; Sept. 23.
Dreyfuss, Henry, New York, N. Y., assignor to Hygrade Sylvania Corporation, Salem, Mass. Illuminated display stand. 129,648; Sept. 23.
Dreyfuss, Henry, New York, N. Y., assignor to Crane Co., Chicago, Ill. Valve casing or the like. 129,649; Sept. 23.
Eisen, Daniel, Brooklyn, N. Y. Chicken guard or the like. 129,580; Sept. 23.
Enterprise Aluminum Company, The. (See Krause, R. F., and Mankki, assignors.)
Feeney, James F., White Plains, N. Y. Badge or the like. 129,581; Sept. 23.
Fein, William, Jersey City, N. J. Single strip bamper. 129,603; Sept. 23.
Foret, Edmond, assignor to Cartier, Inc., New York, N. Y. Bill clip. 129,615; Sept. 23.
Forgue, Charles, assignor to Breakstone Bros., Inc., New York, N. Y. Bottle. 129,604; Sept. 23.
Foss, Helen E., New York, N. Y. Dress. 129,650; Sept. 23.
Franks, Joseph K., Morristown, N. J. Sign or similar article. 129,582; Sept. 23.

Fritz, Theresa, New York, N. Y. Dress. 129,683; Sept. 23.
Gershuny, Abe, New York, N. Y. Dress ensemble. 129,684; Sept. 23.
Gershuny, Abe, New York, N. Y. Dress ensemble. 129,685; Sept. 23.
Ginsberg, Benjamin, New York, N. Y. Mitten. 129,651; Sept. 23.
Glassie, Donelson C., Chevy Chase, Md. Shoe. 129,616; Sept. 23.
Goldbaum, Robert H. (See Bolten, J., and Goldbaum.)
Goldman, Jack, New York, N. Y. Dress. 129,686; Sept. 23.
Goldstein, Irving, New York, N. Y. Dress. 129,687; Sept. 23.
Grant, George S., Nashville, Ark. Combined protractor and rule. 129,583; Sept. 23.
Guertin, Louis C., Worcester, Mass. Safety razor blade. 129,584; Sept. 23.
Hennessy, John F., assignor to Geo. D. Roper Corporation, Rockford, Ill. Broiler grill. 129,652; Sept. 23.
Hennessy, John F., assignor to Geo. D. Roper Corporation, Rockford, Ill. Broiler grill. 129,653; Sept. 23.
Henry, Aline, New York, N. Y. Dress ensemble. 129,688; Sept. 23.
Heywood-Wakefield Company. (See Jiranek, Leo, assignor.)
Hoshafian, Lucy, New York, N. Y. Dress. 129,667; Sept. 23.
Hoshafian, Lucy, New York, N. Y. Dress. 129,668; Sept. 23.
Hoshafian, Lucy, New York, N. Y. Dress. 129,689; Sept. 23.
Hygrade Sylvania Corporation. (See Dreyfuss, Henry, assignor.)
Jakobb, Christian Arpad, Bayside, Long Island, N. Y. Lapel clip or similar article. 129,654; Sept. 23.
Jiranek, Leo, Scarsdale, N. Y., assignor to Heywood-Wakefield Company, Gardner, Mass. Buffet. 129,585; Sept. 23.
Jiranek, Leo, Scarsdale, N. Y., assignor to Heywood-Wakefield Company, Gardner, Mass. Buffet. 129,586; Sept. 23.
Jiranek, Leo, Scarsdale, N. Y., assignor to Heywood-Wakefield Company, Gardner, Mass. Vanity. 129,587; Sept. 23.
Jiranek, Leo, Scarsdale, N. Y., assignor to Heywood-Wakefield Company, Gardner, Mass. Vanity. 129,588; Sept. 23.
Jiranek, Leo, Scarsdale, N. Y., assignor to Heywood-Wakefield Company, Gardner, Mass. Bedstead. 129,598; Sept. 23.
Jubiln, Hans M., Houston, Tex. Combination foot rest and magazine rack. 129,590; Sept. 23.
Korte, Alfred C., St. Louis, Mo. Carburetor flow testing cabinet. 129,637; Sept. 23.
Kraissl, Frederick, Jr., Hackensack, N. J. Drip collectors for marine carburetors or the like. 129,690; Sept. 23.
Krause, Richard F., Massillon, and O. Mankki, Cleveland, assignors to The Enterprise Aluminum Company, Massillon, Ohio. Coffee maker. 129,591; Sept. 23.
Kruse, Hugo W., assignor to Geo. D. Roper Corporation, Rockford, Ill. Combined range timer and condiment holder. 129,655; Sept. 23.
Kruse, Hugo W., assignor to Geo. D. Roper Corporation, Rockford, Ill. Condiment holder. 129,656; Sept. 23.
Kuznetz, Samuel, New York, N. Y. Dress. 129,669; Sept. 23.
Latshaw, George M., Centerville, Md. Spoon or similar article. 129,592; Sept. 23.
Liberman, Jack, New York, N. Y. Textile fabric. 129,605; Sept. 23.
Lynn, Max, New York, N. Y. Dress. 129,691; Sept. 23.
Maling, Roy, West Roxbury, Mass. Shoe. 129,593; Sept. 23.
Mankki, Onnie. (See Krause, R. F., and Mankki.)
Mark, Louis C., assignor to Rice-Weiner and Company, Providence, R. I. Bracelet or the like. 129,638; Sept. 23.
Mark, Louis C., assignor to Rice-Weiner and Company, Providence, R. I. Necklace or the like. 129,639; Sept. 23.
Nordquist, Robert G. (See Zimmerman, E. C., and Nordquist.)
Orme, Wilbur L., Cambridge, Ohio. Combined vase and candle holder or similar article. 129,657; Sept. 23.
Patent License Corporation. (See Zimmerman, E. C., and Nordquist, assignor.)
Paxton, Roy L., Decatur, Ill. Dancing figure toy. 129,606; Sept. 23.
Pellegrin, Elmer D., Woodstock, assignor to Geo. D. Roper Corporation, Rockford, Ill. Combined range timer and condiment holder. 129,658; Sept. 23.
Philippe, Alfred, New York, N. Y. Pin clip. 129,659; Sept. 23.
Pitman-Dreitzer & Company. (See Dreitzer, Albert J., assignor.)
Red Lion Furniture Co. (See Craley, Nathaniel N., assignor.)
Reiss, Alfred, Newton, Mass. Combination newel post and score table for bowling alleys. 129,594; Sept. 23.
Reiss, Alfred, Newton, Mass. Newel posts for bowling alleys. 129,595; Sept. 23.
Reppert, Roland, Pelham Manor, assignor to American Hard Rubber Company, New York, N. Y. Battery box. 129,617; Sept. 23.
Rice-Weiner and Company. (See Mark, Louis C., assignor.)
Richards, Julia, Brooklyn, N. Y. Dress. 129,670; Sept. 23.
Richards, Julia, Brooklyn, N. Y. Dress. 129,671; Sept. 23.
Roberts, Nell, Cuyahoga Falls, Ohio. Artificial bouquet. 129,596; Sept. 23.
Roberts, Norman L., Seventrees, Rotherfield, England. Panel for an amusement device. 129,607; Sept. 23.
Roberts, Ralph S., Grosse Pointe Farms, assignor to Briggs Manufacturing Company, Detroit, Mich. Automobile. 129,618; Sept. 23.
Roberts, Ralph S., Grosse Pointe Farms, assignor to Briggs Manufacturing Company, Detroit, Mich. Automobile. 129,619; Sept. 23.
Roper, Geo. D., Corporation. (See Hennessy, John F., assignor.)
Roper, Geo. D., Corporation. (See Kruse, Hugo W., assignor.)
Roper, Geo. D., Corporation. (See Pellegrin, Elmer D., assignor.)
Roth, Bert, New York, N. Y. Dress. 129,672; Sept. 23.
Ruchman, Albert, New York, N. Y. Dress. 129,692; Sept. 23.
Ruchman, Albert, New York, N. Y. Dress. 129,693; Sept. 23
Sadowsky, David R., New York, N. Y. Dress. 129,673; Sept. 23.
Schaeffer, Samuel B., Jackson Heights, N. Y. Textile fabric. 129,608; Sept. 23.
Schaeffer, Samuel B., Jackson Heights, N. Y. Textile fabric. 129,609; Sept. 23.
Schaeffer, Samuel B., Jackson Heights, N. Y. Textile fabric. 129,660; Sept. 23.
Schulman, Gloria, New York, N. Y. Dress. 129,674; Sept. 23.
Shinn, Charles P., Jr., Freeport, N. Y. Sand glass. 129,597; Sept. 23.
Sigoda, Victor J., Brooklyn, N. Y. Pinking machine. 129,598; Sept. 23.
Smedley, William L., Grand Rapids, Mich. Indicating panel for manifold vacuum testing machines. 129,599; Sept. 23.
Stiller, Benjamin, Akron, Ohio. Key case. 129,626; Sept. 23.
Szabo, Alexander J., Port Reading, N. J. Sounding toy. 129,600; Sept. 23.
Teague, James, Jr., Kankakee, Ill. Heater cabinet. 129,627; Sept. 23.
Tratsch, Walter A., Chicago, Ill. Air rifle. 129,620; Sept. 23.
Verrecchio, Gene, Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y. Bracelet. 129,610; Sept. 23.
Verrecchio, Gene, Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 129,611; Sept. 23.
Verrecchio, Gene, Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y. Bracelet. 129,612; Sept. 23.
Victor Metal Products Corporaiton. (See Bowers, William H., assignor.)
Vuilliemenot, Frederic A., assignor to The De Vilbiss Company, Toledo, Ohio. Atomizer. 129,661; Sept. 23.
Vuilliemenot, Frederic A., assignor to The De Vilbiss Company, Toledo, Ohio. Atomizer or the like. 129,662; Sept. 23.
Weiner, Harold, Providence, R. I. Brooch or similar article. 129,663; Sept. 23.
Weinstein, Isidore, New York, N. Y. Textile fabric. 129,664; Sept. 23.
Willard Storage Battery Company. (See Demko, Julius J., assignor.)
Willcox & Gibbs Sewing Machine Company. (See Wonnacott, Norman, assignor.)
Wolff, Malvina, New York, N. Y. Dress. 129,675; Sept. 23.
Wonnacott, Norman, Scarsdale, assignor to Willcox & Gibbs Sewing Machine Company, New York, N. Y. Floor-Type sewing machine frame. 129,621; Sept. 23.
Wonnacott, Norman, Scarsdale, assignor to Willcox & Gibbs Sewing Machine Company, New York, N. Y. Sewing machine frame. 129,622; Sept. 23.
Zahn, Samuel, New York, N. Y. Dress. 129,694; Sept. 23.
Zahn, Samuel, New York, N. Y. Dress. 129,695; Sept. 23.
Zimmerman, Edward C., and R. G. Nordquist, assignors to Patent License Corporation, Chicago, Ill. Combined globe and panel for a lighting fixture. 129,640; Sept. 23.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 23D DAY OF SEPTEMBER, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott, Gheen R., Baltimore, Md. Highway marker. 2,256,636; Sept. 23.
Abbott Laboratories. (See Raiziss, G. W., Clemence, and Freifelder, assignors.)
Acco Products, Inc. (See Kern, Emil, assignor.)
Ackerman, Francis R., Cleveland, Ohio. Electric liquid heater. 2,256,919; Sept. 23.
Adamson, Lee H., Los Angeles, Calif. Traveling sprinkler. 2,256,838; Sept. 23.
Adcox, Albert H., Washington Park, Ill. Brake control device. 2,256,934; Sept. 23.
Air-Line Mfg. Co. (See McCoy, Curtiss J., assignor.)
Akteingesellschaft Dynamit Nobel. (See Müller, W. J., and Niessner, assignors.)
Alajoki, George J. (See Johnson, A. B., and Alajoki.)
Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Speed regulating system. 2,256,463; Sept. 23.
Alford, Andrew, assignor to Mackay Radio and Telegraph Company, New York, N. Y. Phase shifting device and circuits incorporating the same. 2,256,538; Sept. 23.
Alford, Andrew, assignor to Mackay Radio and Telegraph Company, New York, N. Y. Altimeter. 2,256,539; Sept. 23.
Allers, William D., Oak Park, assignor to Armour and Company, Chicago, Ill. Animal glandular product and producing the same. 2,256,920; Sept. 23.
Allis-Chalmers Manufacturing Company. (See Durand, Samuel R., assignor.)
Allis-Chalmers Manufacturing Company. (See McArn, D. G., and McDonald, assignors.)
Allis-Chalmers Manufacturing Company. (See Winograd, Harold, assignor.)
Allmänna Svenska Elektriska Aktiebolaget. (See Dreyfus, Ludwig, assignor.)
Almen, John O., Royal Oak, assignor to General Motors Corporation, Detroit, Mich. V belt pulley. 2,256,699; Sept. 23.
Amen, John, Philadelphia, Pa. Boiler feed water system. 2,256,511; Sept. 23.
Ament, Dr. Phillip. (See Kopczynski, John, assignor.)
American Bitumuls Company. (See Buckley, Walter D., assignor.)
American Brake Shoe & Foundry Company, The. (See Mantle, Burr W., assignor.)
American Can Company. (See Paynter, Horace J., assignor.)
American Cyanamid Company. (See Hill, William H., assignor.)
American Cyanamid Company. (See Ham, Garnet P., assignor.)
American Cyanamid Company. (See Petke, F. E., and Klein, assignors.)
American Cyanamid & Chemical Corporation. (See Davis, Clarke F., assignor.)
American Hyalsol Corporation. (See Bertsch, Heinrich, assignor.)
American Optical Company. (See Peck, W. F., and Gradisar, assignors.)
American Optical Company. (See Rowe, L. F., Silverberg, and Pincus, assignors.)
American Optical Company. (See Splaine, Edward M., assignor.)
American Plastics Corporation. (See Parsons, John A., assignor.)
American Radiator & Standard Sanitary Corporation. (See Walker, William K., assignor.)
American Smelting and Refining Company. (See Phillips, A. J., Smith, and Smart, assignors.)
American Stove Company. (See Brumbaugh, I. V., Kauffman and Reinhart, assignors.)
American Swiss Company, The. (See Rightmyer, Holden W., assignor.)
American Viscose Corporation. (See Collins, Benjamin W., assignor.)
Ames, Adelbert, Jr., and K. N. Ogle, assignors to Trustees of Dartmouth College, Hanover, N. H. Correcting ocular defects. 2,256,587; Sept. 23.
Amrine, Leclare H., assignor to Imperial Molded Products Corporation, Chicago, Ill. Method and apparatus for molding plastic objects. 2,256,769; Sept. 23.
Anderson, William M., assignor to himself and F. J. Kerner, Minneapolis, Minn. Wire coupling and producing same. 2,256,637; Sept. 23.
Andres, Frederick P., Cleveland, assignor to The Hinde & Dauch Paper Company, Sandusky, Ohio. Box. 2,256,995; Sept. 23.
Antonevich, Michael, Franklin Township, Somerset County, assignor to Crawford Manufacturing Company, New Brunswick, N. J. Stop motion for knitting machines. 2,257,030; Sept. 23.
Apostolou, Demeter A., Athens, Greece. Device for neutralizing the inertia of vehicle bodies. 2,256,857; Sept. 23.
Appel, Robert. (See Kuhlman, Florence, assignor.)
Arco Welding & Machine Works, Inc. (See Kintner, Edwin K., assignor.)
Armour and Company. (See Allers, William D., assignor.)
Arness, William B., et al. (See Hörgård, Gunnar, assignor.)
Armstrong Cork Company. (See La Chapelle, Merle P., assignor.)
Armstrong, James A., Los Angeles, Calif. Method and apparatus for cleaning fruit. 2,256,700; Sept. 23.
Armstrong, L. A., Oklahoma City, Okla. Electrically heated ice cream dipper. 2,256,770; Sept. 23.
Armstrong, William, New York, N. Y., assignor to The Dowty Corporation, Wilmington, Del. Ski trimming lock. 2,256,540; Sept. 23.
Armstrong, William, New York, N. Y., assignor to The Dowty Corporation, Wilmington, Del. Ski trimming lock. 2,256,541; Sept. 23.
Armstrong, William, New York, N. Y., assignor to The Dowty Corporation, Wilmington, Del. Ski trimming lock. 2,256,542; Sept. 23.
Art Metal Construction Company. (See Jones, James R., assignor.)
Artzt, Maurice, Haddonfield, N. J., assignor to Radio Corporation of America. Dual channel amplifier. 2,256,512; Sept. 23.
Ashton, Philip E. (See Wolfson, Sidney L., assignor.)
Atlas Power Corporation. (See Reed, Arthur W., assignor.)
Auerbach, Zemach, assignor to Magazine Repeating Razor Company, New York, N. Y. Blade injecting device for safety razors. 2,256,543; Sept. 23.
Auhagen, Ernst, Wuppertal-Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Stable aqueous solution of 9-polyhydroxy-alkyl-isoalloxazines. 2,256,604; Sept. 23.
Austin, Melvin R., Hazelton, Ind., assignor of one-half to D. Grazier, Akron, Ohio. Lunch kit. 2,256,935; Sept. 23.
Avery, Harold T., Oakland, Calif., assignor to Marchant Calculating Machine Company. Calculating machine. 2,256,799; Sept. 23.
Backhouse, Headley T. (See Battey, A. P., and Backhouse.)
Bacon, Henry M., assignor to The Dayton Rubber Mfg. Company, Dayton, Ohio. Lug strap manufacture. 2,256,701; Sept. 23.
Baillie, Douglas J. (See Pearson, E. W., and Baillie.)
Baker, David B., Riverside, C. R. Rogers, Oak Park, and W. O. Bechman, Chicago, Ill., assignors to International Harvester Company. Tractor. 2,256,822; Sept. 23.
Bakke, Hans A., Swampscott, Mass., assignor to General Electric Company. Thermal demand meter reset. 2,256,464; Sept. 23.
Bales, James E., assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Knockdown furniture. 2,256,996; Sept. 23.
Baltimore Salesbook Company, The. (See Stewart, Charles M., Jr., assignor.)
Band-It Company. (See Brown, Ray W., assignor.)
Barber-Colman Company. (See Stewart, Duncan J., assignor.)
Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Web printing rotary press. 2,256,800; Sept. 23.
Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Rotary printing press. 2,256,801; Sept. 23.
Barmer Maschinenfabrik Aktiengesellschaft. (See Bochmann, Otto, assignor.)
Barnes, Carl E. (See Kletler, S. S., and Barnes.)
Barr, Frank T., Summit, N. J., assignor to Standard Oil Development Company. Control of temperature in catalytic exothermic reactions. 2,256,969; Sept. 23.
Barrack, Dallas, Springdale, Ark. Combination display stand and sentinel tower. 2,256,702; Sept. 23.
Barth, Gustav, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany. Power amplifier. 2,257,031; Sept. 23.
Bass, Herman E., Enid, Okla. Supporting means for overhead garage doors. 2,257,032; Sept. 23.
Battey, Alfred P., Eastcote, and H. T. Backhouse, London, England; said Battey assignor to said Backhouse. Fluid operated side jay. 2,256,823; Sept. 23.
Battiste, Donald A., Yeadon, Pa. Doughmaking process. 2,256,936; Sept. 23.

Bauer, Julius, Chicago, Ill. Combined book cover and easel. 2,256,513; Sept. 23.

Baumann, Ernst, assignor to Hasler A.-G. Werke für Telephonie und Prazisionsmechanik, Berne, Switzerland. Follow-up mechanism for indicating devices. 2,256,661; Sept. 23.

Baxter, Warren P. (See Cary, H. H., and Baxter.)

Beaman, Robert, Lackawanna, assignor of one-half to Burnwell Corporation, Buffalo, N. Y. Automobile trailer window. 2,256,588; Sept. 23.

Beams, Jesse W., Charlottesville, and F. T. Holmes, Profitt, Va., assignors to Research Corporation, New York, N. Y. Suspension of rotatable bodies. 2,256,937; Sept. 23.

Bechman, William O. (See Baker, D. B., Rogers, and Bechman.)

Beck, Paul, assignor of one-half to F. M. Grosz, Chicago, Ill. Clamp. 2,256,887; Sept. 23.

Belle City Malleable Iron Company. (See Herrmann, Anthony M., assignor.)

Belmont Radio Corporation. (See Dunn, W. L., Marholz, and Plensler, assignors.)

Bendix Aviation Corporation. (See Hurley, Roy T., assignor.)

Bendix Aviation Corporation. (See Karey, Romuald, assignor.)

Berghaus, Bernhard, Berlin-Lankwitz, and W. Burkhardt, Berlin-Grunewald, Germany; said Burkhardt assignor to said Berghaus. Coating articles by cathode disintegration. 2,256,771; Sept. 23.

Bergstein, Samuel, Cincinnati, Ohio. Gluing waterproof blanks. 2,256,888; Sept. 23.

Bertsch, Heinrich, Chemnitz, Saxony, Germany, assignor to American Hyalsol Corporation, Wilmington, Del. Wetting, penetrating, foaming, and dispersing agent. 2,256,877; Sept. 23.

Biederman, Joseph B., Cincinnati, Ohio. Respiratory filter. 2,256,997; Sept. 23.

Bier, Robert W., Houston, Tex. Counterbalancing apparatus. 2,256,605; Sept. 23.

Bishop, Homer L., Dayton, assignor of one-half to E. E. Stansell, Middletown, Ohio. Make-ready. 2,256,921; Sept. 23.

Bissell, Carl H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Switch operating mechanism. 2,257,033; Sept. 23.

Björklund, Gustaf E. (See Dalén, G., and Björklund.)

Black, Willy, Berlin-Halensee, Germany, assignor to General Electric Company. Hydraulic coupling. 2,256,878; Sept. 23.

Blakeney, Deane A., McCamey, Tex. Container. 2,256,638; Sept. 23.

Blaker, James L., Blaker Mills, W. Va. Automatic gate. 2,256,662; Sept. 23.

Blanc, Adolph I., assignor to D. W. Blanc, Coldwater, Mich. Trimming board. 2,256,606; Sept. 23.

Blanc, David W. (See Blanc, Adolph I., assignor.)

Blech, Henry, et al. (See Sugarwater, Harold.)

Bleichert Transportanlagen G. m. b. H. (See Liebing R., and Rubin, assignors.)

Bliley Electric Company. (See Wolfskill, John M., assignor.)

Blink, Peter, West Allis, assignor to Mitchell Manufacturing Company, Milwaukee, Wis. Folding table leg brace lock. 2,256,889; Sept. 23.

Blydworth, Joseph E., Cumberland, Md., assignor to Celanese Corporation of America. Manufacture of salts of alkyl acrylic acids. 2,256,544; Sept. 23.

Bochmann, Otto, Remscheid-Lennep, Rhineland, assignor to Barmer Maschinenfabrik Aktiengesellschaft, Wuppertal-Oberbarmer, Germany. Thread guide driving arrangement for textile machines, especially for artificial silk. 2,256,858; Sept. 23.

Boice, John E., Toledo, Ohio. Woodworking machine. 2,256,607; Sept. 23.

Bothmann, Hans, Aken, Germany, assignor, by mesne assignments, to Magnesium Development Corporation. Apparatus for the production of tapered metal sections by extrusion. 2,256,545; Sept. 23.

Bottome, Mabel E., South Orange, N. J. Tableware article. 2,256,922; Sept. 23.

Bouwers, Albert, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn. Voltage converter. 2,256,859; Sept. 23.

Boysen, John A., Rutherford, N. J., assignor to Robert Reis & Co., New York, N. Y. Undergarment. 2,256,884; Sept. 23.

Braden, Rene A., Collingswood, N. J., assignor to Radio Corporation of America. Microwave device. 2,256,608; Sept. 23.

Braendel, Helmuth G. (See Roensch, M. M., Braendel, and Cousino.)

Brewer, John H., assignor to Hynson, Westcott & Dunning, Incorporated, Baltimore, Md. Washing ampoules. 2,256,663; Sept. 23.

Bridgeport Metal Goods Manufacturing Company, The. (See Fullmer, Giles C., assignor.)

Bridgeport Metal Goods Manufacturing Company, The. (See Houlihan, Rudolph N., assignor.)

Brinkert, Carroll A., Buffalo, assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Selector key mechanism for automatic phonographs. 2,257,019; Sept. 23.

Brostrom, Charles G., Salem, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Roughing machine. 2,256,546; Sept. 23.

Brown, Arthur S., assignor to Arthur S. Brown Manufacturing Company, Tilton, N. H. Power transmission belt. 2,256,756; Sept. 23.

Brown, Arthur S., Manufacturing Company. (See Brown, Arthur S., assignor.)

Brown, Gordon H., assignor to Electromaster, Inc., Detroit, Mich. Thermostatic regulator. 2,256,732; Sept. 23.

Brown, Ray W., assignor to Band-It Company, Denver, Colo. Clamp applying tool. 2,256,824; Sept. 23.

Brown, Theophilus, and T. W. Paul, assignors to Deere & Company, Moline, Ill. Tractor enclosure. 2,256,890; Sept. 23.

Brown, William S. (See Lubszynski, H. G., and Brown.)

Brubaker, Kenneth E., Waukegan, Ill., assignor to Houdaille-Hershey Corporation. Automobile hood latch. 2,256,465; Sept. 23.

Brueshaber, Martin W., assignor to The Goss Printing Press Company, Chicago, Ill. Rotary printing press. 2,256,514; Sept. 23.

Brueshaber, Martin W., assignor to The Goss Printing Press Company, Chicago, Ill. Rotary photogravure printing press. 2,256,515; Sept. 23.

Brumbaugh, Isaac V., L. S. Kauffman, and H. C. Reinhart, assignors to American Stove Company, St. Louis, Mo. Automatic fuel control. 2,256,998; Sept. 23.

Bruns, August, Richmond Hill, Jamaica, N. Y. Awning. 2,256,609; Sept. 23.

Bruss, Franz, Berlin-Johannisthal, Germany, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Vehicle chassis frame. 2,256,885; Sept. 23.

Bryant, Alfred R., Bloomington, Ind. Air discharge nozzle. 2,256,589; Sept. 23.

Bryant, Ozro N., Prospect Park, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Governing mechanism. 2,256,970; Sept. 23.

Bublick, Sol. (See Stewart, Edward T., assignor.)

Buc, Hyym E., Roselle, N. J., assignor to Sandard Oil Development Company. Producing alkyl aryl sulphonates. 2,256,610; Sept. 23.

Buckeye Steel Castings Company, The. (See Heimberger, W. W., and Wolfe, assignors.)

Buckley, Walter D., Berkeley, assignor to American Bitumuls Company, San Francisco, Calif. Emulsion and preparing the same. 2,256,880; Sept. 23.

Budd, Edward G., Manufacturing Company. (See Bruss, Franz, assignor.)

Budd, Edward G., Manufacturing Company. (See Dean, Albert G., assignor.)

Budd, Edward G., Manufacturing Company. (See Ragsdale, E. J. W., and Dean, assignors.)

Budd, Edward G., Manufacturing Company. (See Ragsdale, E. J. W., and Dean, Albert G. and W. B.)

Budd, Edward G., Manufacturing Company. (See Trautvetter, George, assignor.)

Buffington, Malcolm R., Millburn, N. J., assignor to Rubber Associates, Incorporated. Composition of matter. 2,257,083; Sept. 23.

Bugatti, Ettore, Paris, France. Device for conjugating the rotations of rotating members. 2,257,034; Sept. 23.

Burdick, John S., North Muskegon, assignor to The Shaw-Walker Company, Muskegon, Mich. Drophead typewriter desk. 2,256,547; Sept. 23.

Burke, Thomas J., Blytheville, Ark. Coffeepot. 2,256,664; Sept. 23.

Burkhardt, Wilhelm. (See Berghaus, B., and Burkhardt.)

Burman, Olof S., Minneapolis, Minn. Drain valve for laundry tubs. 2,256,891; Sept. 23.

Burman, Olof S., Minneapolis, Minn. Adjustable supporting leg. 2,256,892; Sept. 23.

Burnwell Corporation. (See Beaman, Robert, assignor.)

Butenandt, Adolf. (See Serini, A., Strassberger, and Butenandt.)

Butler, Frank D., U. S. Navy. Valve mechanism for motors of pumps. 2,256,471; Sept. 23.

Cable, Julius L., Dorchester, Mass. Chair construction. 2,256,893; Sept. 23.

Cahill, James H. (See Spurgeon, N. B., and Cahill.)

Carbide and Carbon Chemicals Corporation. (See Quattelbaum, William M., Jr., assignor.)

Cardwell-Westinghouse Company. (See Krauser, Webb G., assignor.)

Carey, Reece M., administrator. (See Galvin, Charles E., assignor.)

Carlin, Charles R., Brunswick, Ga. Bleeder fitting for brake cylinders. 2,256,516; Sept. 23.

Carney, Clifford R., Detroit, Mich. Ice tray grid. 2,256,703; Sept. 23.

Carson, William E., Riverton, Va. Apparatus for recovering rock wool. 2,256,605; Sept. 23.

Cary, Henry H., Santa Monica, and W. P. Baxter, assignors to National Techincal Laboratories, Pasadena, Calif. Electrode for the electrical determination of pH. 2,256,733; Sept. 23.

Castner, James B., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Nitration of organic compounds. 2,256,999; Sept. 23.

Cat's Paw Rubber Company. (See Esterson, Albert A., assignor.)

Celanese Corporation of America. (See Bludworth, Joseph E., assignor.)

Celotex Corporation. (See Taylor, R. J., and O'Neil, assignors.)

Chadkin, Bernard, New York, N. Y. Easel. 2,256,894; Sept. 23.

Chaffee, Edward F., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y. Sash and sash attaching means. 2,256,548; Sept. 23.

Chaffee, Edward F., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y. Window sash construction. 2,257,035; Sept. 23.

Chamberlain, Joseph W., Zeeland, Mich. Refrigerator. 2,256,971; Sept. 23.

Charbonneaux, Wilson A., Burlington, Iowa. Electrical generation power plant of the start-stop type. 2,256,938; Sept. 23.

Chicago Telephone Supply Company. (See Schellenger, Newton C., assignor.)

Chojnik, Joseph, Whiting, Ind. Toy. 2,256,666; Sept. 23.

Christman, Joseph A., Pittsburgh, Pa. Apparatus for use in treatment of photoengraving plates, and photolithographic plates. 2,256,825; Sept. 23.

Chrysler Corporation. (See Fleming, Alexander M., assignor.)

Chrysler Corporation. (See Janeway, Robert N., assignor.)

Chrysler Corporation. (See Michailoff, Alexander, assignor.)

Chrysler Corporation. (See Neracher, C. A., and Dunn, assignors.)

Chrysler Corporation. (See Redford, Carlyle, assignor.)

Chrysler Corporation. (See Roensch, M. M., Braendel, and Cousino, assignors.)

Cities Service Oil Company. (See Schelmann, Walter W., assignor.)

Claassen, Anthony F. P. J., and J. D. de Vries, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, as trustee, Hartford, Conn. Method and device for making aluminum electrodes. 2,256,860; Sept. 23.

Clark, Ray H., Star City, Ind. Pollenizer. 2,257,036; Sept. 23.

Clearing Machine Corporation. (See Johansen, E. K., and Waltman, assignors.)

Clemence, Le Roy W. (See Raiziss, G. W., Clemence, and Freifelder.)

Clickner, Earle D., assignor to Shakespeare Company, Kalamazoo, Mich. Fishing reel. 2,257,000; Sept. 23.

Coen, Myles. (See Kirkpatrick, W. B., and Coen.)

Cohen, Adolph. (See Wolwode, C., and Cohen.)

Cohen, Alvin H., assignor of one-half to F. L. Katz, New York, N. Y. Camera. 2,256,517; Sept. 23.

Collins, Benjamin W., Swarthmore, assignor to American Viscose Corporation, Marcus Hook, Pa. Identification of materials. 2,256,549; Sept. 23.

Colvin, Donald, San Francisco, Calif. Dispensing device. 2,256,550; Sept. 23.

Colvin, Donald, San Francisco, Calif. Refrigeration unit. 2,256,551; Sept. 23.

Comtois, Raymond E. (See Eddy, L., Comtois, and Keller.)

Conklin, Roscoe D. (See Forman, P. R., and Conklin.)

Consolidated Edison Company of New York, Inc. (See Davidson, W. F., and Thomas, assignors.)

Consolidated Packaging Machinery Corporation. (See Nicolas, Marcel A., assignor.)

Continental Carbon Company. (See McKinney, Charles E., assignor.)

Cook, John B., assignor to Reliable Electric Company, Chicago, Ill. Strain insulator clevis. 2,256,895; Sept. 23.

Coombs, Dan L. F., Kansas City, Mo. Colonic irrigator. 2,257,072; Sept. 23.

Copeland, Robert F., Cullman, Ala. Making inner spring mattresses. 2,256,939; Sept. 23.

Cornell, Edward S., Jr., Larchmont, N. Y. Welding device. 2,256,879; Sept. 23.

Cornell, Elias S., Evanston, S. C. Killian, Oak Park, and J. A. Stoos, Naperville, assignors to The Delta-Star Electric Company, Chicago, Ill. Contact finger for switches. 2,256,734; Sept. 23.

Cornell Securities Corporation. (See Dale, Colin B., assignor.)

Cory, Abram A., Portsmouth, Va. Radio direction finder deviation correction device. 2,256,472; Sept. 23.

Cote, George H., Bridgeport, Conn. Die holder. 2,256,611; Sept. 23.

Cotta Transmission Corporation. (See Nelson, Floyd R., assignor.)

Cottrell, C. B., & Sons Company. (See Barber, Howard M., assignor.)

Cousino, Patrick T. (See Roensch, M. M., Braendel, and Cousino.)

Crawford, Alfred, assignor to Crawford Manufacturing Company, New Brunswick, N. J. Stop motion device for knitting machines. 2,257,037; Sept. 23.

Crawford Manufacturing Company. (See Antonevich, Michael, assignor.)

Crawford Manufacturing Company. (See Crawford, Alfred, assignor.)

Crawford, Robert B. P., Athens, Ga. Air conditioning. 2,256,940; Sept. 23.

Crawford, Wilbur F., Waco, Tex. Ventilated awning. 2,256,941; Sept. 23.

Crickmer, Charles S., and J. J. Lane, assignors to Merla Tool Company, Dallas, Tex. Flow device. 2,256,704; Sept. 23.

Crossley, Royal E., Fayetteville, assignor to Crouse-Hinds Company, Syracuse, N. Y. Floodlight unit. 2,257,038; Sept. 23.

Crouse-Hinds Company. (See Bissell, Carl H., assignor.)

Crouse-Hinds Company. (See Crossley, Royal E., assignor.)

Crouse-Hines Company. (See Olley, Earl M., assignor.)

Cullen, Edward V., assignor to Cullen-Friestedt Company, Chicago, Ill. Lifter. 2,256,896; Sept. 23.

Cullen-Friestedt Company. (See Cullen, Edward V., assignor.)

Cullin, Jasper F., Detroit, Mich., assignor of two-thirds to L. Mervis, Lock Haven, Pa. Starting mechanism for internal-combustion engines. 2,256,466; Sept. 23.

Cunningham, Daniel G. (See Lemen, W. W., and Cunningham.)

Curtis & Marble Machine Company. (See Remington, Leland F., assignor.)

Czeija, Oskar. (See Lierg, Friedrich, assignor.)

Dake, Charles W., assignor to Peerless Novelty Company, Grand Haven, Mich. Vizor structure. 2,256,972; Sept. 23.

Dale, Colin B., Oak Park, assignor to Cornell Securities Corporation, Cleveland, Ohio. Barrel locking ring. 2,257,039; Sept. 23.

Dalén, Gustaf, Lidingo, and G. E. Björklund, assignors to Svenska Aktiebolaget Gasaccumulator. Stockholm, Sweden. Fuel combustion. 2,256,785; Sept. 23.

Daniel, Karl, assignor to Tefi-Apparatebau Dr. Daniel K.-G., Cologne, Germany. Sound apparatus. 2,257,040; Sept. 23.

Daniels-Murtaugh Company. (See Murtaugh, Joseph P., assignor.)

Darby, John, Summit, N. J. Clutch mechanism. 2,256,826; Sept. 23.

Dartmouth College, Trustees of. (See Ames, A., Jr., and Ogle, assignors.)

Davidson, Ward F., Port Washington, N. Y., and E. R. Thomas, Palisades Park, N. J., assignors to Consolidated Edison Company of New York, Inc., New York, N. Y. Insulating joint for electric cable sheaths and making same. 2,256,897; Sept. 23.

Davies, Katherine. (See Reid, E. B., and Davies.)

Davis, Clarke F., Short Hills, N. J., assignor to American Cyanamid & Chemical Corporation, New York, N. Y. Building unit and construction. 2,257,001; Sept. 23.

Dayton Rubber Mfg. Company, The. (See Bacon, Henry M., assignor.)

Dean, Albert G. (See Ragsdale, E. J. W., and Dean.)

Dean, Albert G. (See Ragsdale, E. J. W., and Dean, Albert G. and W. B.)

Dean, Albert G., Narberth, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. End construction for rail cars. 2,257,084; Sept. 23.

Dean, Walter B. (See Ragsdale, E. J. W., and Dean, Albert G. and W. B.)

De Boer, Jan H., J. Sack, and P. C. van der Willigen, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., trustee. Welding rod. 2,256,861; Sept. 23.

Deere & Company. (See Brown, T., and Paul, assignors.)

De Giers, Clarence A., Forest Hills, assignor to The Liquidometer Corporation, Long Island City, N. Y. Electric pressure indicator. 2,256,473; Sept. 23.

Deimel, Albert H. (See Peterson, C. D., and Deimel.)

Delivuk, Louis, Spokane, Wash. Demountable truck body. 2,256,705; Sept. 23.

Dellinger, W. E. (See Turley, Patrick H., assignor.)

Delta-Star Electric Company, The. (See Cornell, E. S., Killian, and Stoos, assignors.)

Detroit Hydrostatic Brake Corporation. (See Sauzedde, Claude, assignor.)

De Vries, Johan D. (See Claassen, A. F. P. J., and de Vries.)

Dewar, George. (See Puckette, C. C., and Dewar.)

Diamond Iron Works, Incorporated. (See Winther, George C., assignor.)

Dixie Metal Products Company. (See Harper, William W., assignor.)

Dodge, Sherwood O., Medford, assignor to Guaranteed Parts, Inc., Allston, Mass. Shuttle checking device for looms. 2,256,735; Sept. 23.

Doherty, Cornelius, and W. Mitten, Jersey City, N. J. Ice forming can. 2,256,973; Sept. 23.

Dondlinger, Eugene J., Chicago, Ill. Dual drive transmission. 2,256,974; Sept. 23.

Doret, Clair M., Los Angeles, Calif. Tooth study model. 2,256,667; Sept. 23.

Dowty Corporation, The. (See Armstrong, William, assignor.)

Drake, Hugh E., Huntington Park, Calif. Retrievable formation tester. 2,256,552; Sept. 23.

Drake, Stoney, Atlanta, Ga. Starch size and preparing the same. 2,256,474; Sept. 23.

Dreyfus, Camille, New York, N. Y. Tire cord. 2,256,553; Sept. 23.

Dreyfus, Ludwig, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Electric furnace. 2,256,518; Sept. 23.
Duffy, John J., Denison, Iowa. Surgical instrument. 2,256,942; Sept. 23.
Duffy, Thomas L., Harrison, N. J. Amusement device. 2,256,862; Sept. 23.
Dunbeck, Norman J., Elfort, Ohio, assignor to Peerpatco Incorporated. Foundry composition. 2,256,943; Sept. 23.
Dunn, William L., R. C. Marholz, and A. W. Plensler, assignors to Belmont Radio Corporation, Chicago, Ill. Indicating and control apparatus for radio receivers. 2,256,668; Sept. 23.
Dunn, William T. (See Neracher, C. A., and Dunn.)
Du Pont, E. I., de Nemours & Company. (See Castner, James B., assignor.)
Du Pont, E. I., de Nemours & Company. (See Johnston, Frederick L., assignor.)
Du Pont, E. I., de Nemours & Company. (See Schwartz, George L., assignor.)
Durand, Samuel R., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electrical valve control system. 2,256,757; Sept. 23.
Duro Metal Products Company. (See Odlum, William H., assignor.)
Dye, Theodore C. (See Gutwein, Theodore, assignor.)
E. A. Laboratories, Inc. (See Meyerhoefer, Carl E., assignor.)
Eastman, Walter S., Glendale, R. I., assignor to Stillwater Worsted Mills. Spinning frame. 2,257,041; Sept. 23.
Eastman, Walter S., Glendale, R. I., assignor to Stillwater Worsted Mills. Spinning frame. 2,257,043; Sept. 23.
Eastman, Walter S., Glendale, R. I., assignor to Stillwater Worsted Mills. Spinning frame. 2,257,044; Sept. 23.
Eastman, Walter S., Glendale, R. I., assignor to Stillwater Worsted Mills. Spinning frame. 2,257,045; Sept. 23.
Eastman, Walter S., and R. Patterson, Glendale, R. I., assignors to Stillwater Worsted Mills. Spinning frame. 2,257,042; Sept. 23.
Eaton Manufacturing Company. (See Veale, George W., assignor.)
Economic Machinery Company. (See Holm, Carl, assignor.)
Eddy, Lawrence, R. E. Comtois, and A. R. Keller, assignors to Morgan Construction Company, Worcester, Mass. Apparatus for manipulating metal coils. 2,256,975; Sept. 23.
Eden, A. G. (See Kaulen, Robert, assignor.)
Edwards, Ellis H., Scarsdale, N. Y. Gynecologic instrument. 2,256,602; Sept. 23.
Edwards, O. M., Company, The. (See Chaffee, Edward F., assignor.)
Egry Register Company, The. (See Stern, Milton C., assignor.)
Ehlers, Albert, Inc. (See Keogler, William H., assignor.)
Ehmke, Gustav A. W., Spokane, Wash. Trolling plate. 2,256,898; Sept. 23.
Electric & Musical Industries Limited. (See Lubszynski, H. G., and Brown, assignors.)
Electric Storage Battery Company, The. (See White, Curtice C., assignor.)
Electrical Manufacturing Company. (See Miller, Herbert E., assignor.)
Electromaster, Inc. (See Brown, Gordon H., assignor.)
Electro Metallurgical Company. (See Franks, Russell, assignor.)
Ellis, Carleton, Montclair, N. J., assignor to Standard Oil Development Company. Manufacture of mixed phenol ethers and alkylated phenols. 2,256,612; Sept. 23.
Elwell, George H., New Haven, Conn. Wire button loop having tipping strap-binding-and-release slides. 2,257,073; Sept. 23.
Englehart, Orton H., Glendora, Calif. Automatic reversing rotary sprinkler. 2,256,737; Sept. 23.
Epstein, Barnett, Richmond, Mass. Carpenter's tool. 2,256,554; Sept. 23.
Erickson, Henry R., Minneapolis, Minn. Spray bar for road oilers. 2,256,639; Sept. 23.
Esterson, Albert A., assignor to Cat's Paw Rubber Company, Inc., Baltimore, Md. Rubber heel and sole, wear plug therefor, and manufacture. 2,256,863; Sept. 23.
Esval, Orland E., Allendale, N. J., and J. Freitag, Jackson Heights, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Balanced directional gyroscopic instrument. 2,256,475; Sept. 23.
Etten, Nicholas L., Waterloo, Iowa. Safety control for wringers. 2,256,736; Sept. 23.
Ettl, Joseph, Highlands, N. J., assignor to Potdevin Machine Company, Brooklyn, N. Y. Label pasting machine and the like. 2,256,640; Sept. 23.
Fairclough & Gold, Inc. (See Stam, Jesse, assignor.)
Faith, Harold B., et al. (See Johnson, Agnar, assignor.)
Falk Corporation, The. (See Schmitter, W. P., and Wiken, assignors.)
Fall, Albert P., Toledo, Ohio. Arm rest for motor vehicles. 2,256,944; Sept. 23.
Farkas, Emil N., assignor to E. N. Farkas, Chicago, Ill. Spiral binder. 2,257,003; Sept. 23.
Feingold, Samuel, assignor to Abraham Sprung, New York, N. Y. Intermittently operating electrical apparatus, 2,256,802; Sept. 23.
Ferguson, William C., St. Louis, Mo. Sealing composition. 2,256,864; Sept. 23.
Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen, Schutzrechten m. b. H. (See Simon, Franz, assignor.)
Finestone, Arthur, Montreal, Quebec, Canada. Fuel heating and vaporizing system for internal combustion engines. 2,257,047; Sept. 23.
Firestone Tire & Rubber Company, The. (See Saurer, Curt, assignor.)
Firth-Sterling Steel Company. (See Welch, Elmer B., assignor.)
Fleming, Alexander M., Grosse Pointe, assignor to Chrysler Corporation, Highland Park, Mich. Coating material spraying apparatus. 2,257,004; Sept. 23.
Fleming, Frank E. (See Fleming, Ivan R. and F. E.)
Fleming, Ivan R. and F. E., Liverpool, England. Hand-propelling gear for ships' boats. 2,256,669; Sept. 23.
Folkestad, Jacob, Big Stone City, S. Dak. Holder for brooms. 2,256,590; Sept. 23.
Folmer Graflex Corporation, The. (See Hineline, Edson S., assignor.)
Folmer Graflex Corporation, The. (See Whitman, Vernon E., assignor.)
Foltin, Stephen, and V. E. Turner, Cleveland, Ohio. Game apparatus. 2,256,555; Sept. 23.
Food Machinery Corporation. (See Magnuson, Roy M., assignor.)
Ford, Everett P., assignor of one-half to L. H. Garrison, San Francisco, Calif. Vending machine. 2,256,976; Sept. 23.
Forman, Paris R., and R. D. Conklin, Rahway, N. J., assignors to National Pneumatic Company, New York, N. Y. Door operating mechanism. 2,256,613; Sept. 23.
Fowler, Charles A., Salt Lake City, Utah. Safe lock. 2,256,827; Sept. 23.
Fox, Thomas M., Swissvale, assignor to E. L. Wiegand, Pittsburgh, Pa. Electrical heating element. 2,256,706; Sept. 23.
Franks, Russell, Niagara Falls, N. Y., assignor to Electro Metallurgical Company. Cast article. 2,256,614; Sept. 23.
Freeman, Max, and D. Suss, New York, N. Y. Novelty pin construction. 2,257,002; Sept. 23.
Freitag, Joseph. (See Esval, O. E., and Freitag.)
Freudenberg, Werner, Scarsdale, N. Y., assignor to Thomas Young Nurseries, Inc., Bound Brook, N. J. Perfume manufacture. 2,256,772; Sept. 23.
Friefelder, Morris. (See Raiziss, G. W., Clemence and Freifelder.)
Frisse, John P. (See Henn, William A., assignor.)
Fritz, Oswald R., assignor to the firm Ural-Maschinen-Vertriebsgesellschaft m. b. H., Vienna, Germany. Portable motor-driven saw. 2,256,786; Sept. 23.
Fulbright, Clarence C., Pine Bluff, Ark. Ply wood floor block. 2,257,048; Sept. 23.
Fullmer, Giles C., assignor to The Bridgeport Metal Goods Manufacturing Company, Bridgeport, Conn. Rotary switch. 2,256,641; Sept. 23.
Fultz, Daniel E., Spokane, Wash. Pencil sharpener. 2,256,707; Sept. 23.
G. L. T. Corporation. (See Lawler, Frank P., assignor.)
Galvin, Charles E., Springfield, Ohio, deceased; Reece M. Carey, administrator. Making aluminum wool. 2,256,923; Sept. 23.
Gardner, Robert L. (See Lloyd, R. D., and Gardner.)
Garrison, Lloyd H. (See Ford, Everett P., assignor.)
Gaut, Geoffrey C., Romford, B. F. Huggins, Forest Gate, London, D. Swaddle, Ilford, and H. V. G. Stubbs, Clacton-on-Sea, England, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electric resistance element. 2,256,642; Sept. 23.
Geib, Martin N. (See Weber, C. G., and Geib.)
General Electric Company. (See Alexanderson, Ernst F. W., assignor.)
General Electric Company. (See Bakke, Hans A., assignor.)
General Electric Company. (See Black, Willy, assignor.)
General Electric Company. (See Moran, Don E., assignor.)
General Electric Company. (See Schaffer, Herman W., assignor.)
General Electric Company. (See Wade, Elmer J., assignor.)
General Electric Company Limited, The. (See Puckette, C. C., and Dewar, assignors.)
General Motors Corporation. (See Almen, John O., assignor.)
General Motors Corporation. (See Geyer, Harvey D., assignor.)
General Motors Corporation. (See Geyer, H. D., and Hunt, assignors.)
General Motors Corporation. (See Grooms, Albert O., assignor.)
General Motors Corporation. (See Harder, Delmar S., assignor.)
General Motors Corporation. (See Hunt, George, assignor.)
General Motors Corporation. (See Kirschner, Henry J., assignor.)

General Motors Corporation. (See Martin, George E., assignor.)
General Motors Corporation. (See Pierce, E. R., and Hause, assignors.)
General Motors Corporation. (See Rippingille, Edward V., assignor.)
General Motors Corporation. (See Wolfram, William S., assignor.)
General Spring Corporation. (See Wood, Joseph K., assignor.)
Geyer, Harvey D., and G. Hunt, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Friction clutch. 2,256,708; Sept. 23.
Geyer, Harvey D., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Clutch driven plate. 2,256,709; Sept. 23.
Ghelardi, Robert A. (See Hulme, P. M., and Ghelardi.)
Gibbons, James A., North Hollywood, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y. Support. 2,256,556; Sept. 23.
Gilbert, Harold H., Sacramento, Calif. Measuring device. 2,256,865; Sept. 23.
Gilli, Paul, Vienna, Germany. Operating fireless locomotives. 2,256,738; Sept. 23.
Gleason Works. (See Wildhaber, Ernest, assignor.)
Gledhill, Edward C., Galion, Ohio. Straightedge assembly. 2,257,049; Sept. 23.
Goldfield, Edwin R., University Heights, assignor to Picker X-Ray Corporation, Waite Manufacturing Division, Inc., Cleveland, Ohio. Timing apparatus for X-ray exposures. 2,257,050; Sept. 23.
Goldsby, Arthur R., and J. C. Van Gundy, Beacon, assignors to Texaco Development Corporation, New York, N. Y. Alkylation of hydrocarbons. 2,256,880; Sept. 23.
Goldsby, Arthur R., Beacon, assignor to The Texas Company, New York, N. Y. Manufacture of high anti-knock hydrocarbons. 2,257,074; Sept. 23.
Goodall, Currier T., Lynbrook, N. Y. Hat decoration. 2,256,866; Sept. 23.
Goodman Manufacturing Company. (See Sloane, William W., assignor.)
Goodrich, B. F., Company, The. (See Hosker, Clarence E., assignor.)
Goodrich, B. F., Company, The. (See Merrill, Allan B., assignor.)
Gora, Henry Z., Bridgeport, Conn., assignor to Jenkins Bros., New York, N. Y. Cutting mechanism. 2,256,773; Sept. 23.
Goss Printing Press Company, The. (See Brueshaber, Martin W., assignor.)
Gossen, Martin J., Whitefish Bay, Wis. Metal weather strip and sash balance. 2,257,051; Sept. 23.
Government of the United States. (See Weber, C. G., and Geib, assignors.)
Gowdy, Albert W., assignor to W. B. Jarvis Company, Grand Rapids, Mich. Escutcheon for motor vehicle door handles, remote door handles, and the like. 2,256,710; Sept. 23.
Gradisar, Albin A. (See Peck, W. F., and Gradisar.)
Graebener, Richard, Karlsruhe, Baden, Germany. Case, display carton, and the like. 2,256,977; Sept. 23.
Graves, Nelson. (See Graves, Weston, assignor.)
Graves, Weston, assignor of one-half to N. Graves, Flint, Mich. Machine for selectively projecting cinema film records. 2,256,739; Sept. 23.
Grazier, Dennis. (See Austin, Melvin R., assignor.)
Greenlees, Edward E., Flint, Mich. Illuminating attachment for vehicle door locks. 2,256,670; Sept. 23.
Greenwood, Kendall T., Sanford, Maine. Reel-supporting means for motion picture projectors. 2,256,899; Sept. 23.
Gregory, James. (See Quilter, J. R. C., and Gregory.)
Grindle, William H., Harlingen, Tex. System for generating gas from liquefied gas. 2,256,591; Sept. 23.
Griscom-Russell Company, The. (See Sebald, Leslie E., assignor.)
Groeniger, William C., Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y. Device for trapping waste outlets. 2,256,758; Sept. 23.
Grooms, Albert O., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,256,671; Sept. 23.
Grosse, Adolph F., Duluth, Minn. Drawing board. 2,257,005; Sept. 23.
Grosz, Frances M. (See Beck, Paul, assignor.)
Grubb, Gunnar, Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., New York, N. Y. Refrigeration. 2,256,519; Sept. 23.
Guaranteed Parts, Inc. (See Dodge, Sherwood O., assignor.)
Guardite Corporation, The. (See Smith, H. L., Jr., and Jones, assignors.)
Gulf Research & Development Company. (See Pigott, Reginald J. S., assignor.)
Gup, David, assignor to The West Tire Setter Company, Rochester, N. Y. Hydraulic circular press. 2,256,740; Sept. 23.
Gurley, John W., Dayton, Ohio. Rotary pump. 2,256,741; Sept. 23.
Gustin, Alex H., Jr., Rosalia, Wash. Steering coupling mechanism. 2,256,557; Sept. 23.
Gutwein, Theodore, Dayton, assignor of one-third to T. C. Dye, Oakwood, Ohio. Shoe. 2,256,900; Sept. 23.
Hacklander, Hans, Linden, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Uncurling guide. 2,256,672; Sept. 23.
Hacklander, Hans, Linden, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Uncurling guide for sewing machines. 2,256,881; Sept. 23.
Haines, John E., Chicago, Ill., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Furnace regulator. 2,256,840; Sept. 23.
Hall, Edward H., Chicago, Ill. Clutch engaging mechanism. 2,257,006; Sept. 23.
Ham, Garnet P., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Amidine salts of aminobenzoic acids. 2,256,759; Sept. 23.
Hanna, Atto N., Orange, N. J. Filing device. 2,257,052; Sept. 23.
Hannon, Albert H., Springfield, Ohio. Electroprocessing machine. 2,256,560; Sept. 23.
Hansen Mfg. Company. (See Hansen, W. L., and Hurst, assignors.)
Hansen, Odd A., Kenmore, assignor to The Linde Air Products Company, New York, N. Y. Support for double-walled containers. 2,256,673; Sept. 23.
Hansen, William L., and I. N. Hurst, assignors to Hansen Mfg. Company, Inc., Princeton, Ind. Slow speed synchronous motor. 2,256,711; Sept. 23.
Harder, Delmar S., assignor to General Motors Corporation, Detroit, Mich. Flash remover. 2,256,558; Sept. 23.
Harder, Delmar S., assignor to General Motors Corporation, Detroit, Mich. Flash remover. 2,256,559; Sept. 23.
Hardinge, Harry W., Forest Hills, N. Y. Grinding mill. 2,256,841; Sept. 23.
Hardisty, Henry L., Portland, Oreg. Handle for crosscut saws. 2,256,842; Sept. 23.
Hardy, Earl C. (See Nazette, C. F., and Hardy.)
Harper, William W., assignor to Dixie Metal Products Co., Birmingham, Ala. Kitchen cabinet. 2,256,592; Sept. 23.
Harris, John L., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,257,007; Sept. 23.
Hartford National Bank and Trust Company. (See Bouwers, Albert, assignor.)
Hartford National Bank and Trust Company, trustee. (See de Boer, J. H., Sack, and van der Willigen, assignors.)
Hartford National Bank and Trust Company, as trustee. (See Claassen, A. F. P. J., and de Vries, assignors.)
Haskelite Manufacturing Corporation. (See Potchen, Joseph A., assignor.)
Hasler A.-G. Werke für Telephonie und Prazisionsmechanik. (See Baumann, Ernst, assignor.)
Hasler A. G. Werke für Telephonie & Prazisionsmechanik. (See Ochsenbein, Walter, assignor.)
Hass, Henry B., La Fayette, Ind., and B. R. Strickland, Elizabeth, N. J., assignors to Purdue Research Foundation, La Fayette, Ind. 1,1-dichloro-1-nitro-paraffins and making them. 2,256,839; Sept. 23.
Hatheway Mfg. Co., The. (See Olmstead, Wilbur E., assignor.)
Hause, Gilbert K. (See Pierce, E. R., and Hause.)
Hauser, Eric, New York, N. Y. Antenna system for radio receiving sets. 2,256,803; Sept. 23.
Hawkins, Luty, assignor to Hawkins Million Dollar Hen, Inc., Mount Vernon, Ill. Brooder. 2,256,476; Sept. 23.
Hawkins Million Dollar Hen, Inc. (See Hawkins, Luty, assignor.)
Hayes, Stanley W., assignor to Hayes Track Appliance Company, Richmond, Ind. Bumping post. 2,256,828; Sept. 23.
Hayes Track Appliance Company. (See Hayes, Stanley W., assignor.)
Hebblewhite, Gilbert W., Lansing, Mich., assignor to E. C. Jarvis, doing business as Jarvis Engineering Works. Aircraft hanger construction. 2,257,053; Sept. 23.
Hederhorst, Fred, Baytown, Tex., assignor to Standard Oil Development Company. Alkylation process. 2,256,615; Sept. 23.
Heimberger, William W., Upper Arlington, and H. H. Wolfe, Groveport, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Car underframe and coupler. 2,256,774; Sept. 23.
Heimbinder, Barney A. (See Klein, B., and Heimbinder.)
Heitzman Safety Blasting Plug Corp. (See Mossman, H. M., and Steward, assignors.)
Hellman, Simon M., Waukegan, Ill. Rolling mill guide box. 2,256,945; Sept. 23.
Hemphill Company. (See Morin, Lionel A., assignor.)
Hemphill Company. (See Smith, William L., Jr., assignor.)
Henn, William A., assignor of one-half to J. P. Frisse, Evansville, Ind. Locking device. 2,257,008; Sept. 23.
Herrmann, Anthony M., Racine, Wis., assignor to Belle City Malleable Iron Company. Making malleable cast iron. 2,256,674; Sept. 23.
Herzog, John H., Brooklyn, assignor to The Sleetex Company, Inc., New York, N. Y. Window wiper. 2,256,477; Sept. 23.
Heyden Chemical Corporation. (See Reynolds, Blythe M., assignor.)

Higbee, George G., Santa Barbara, Calif. Lock-switch for motor driven vehicles. 2,256,675; Sept. 23.
Hildebrand, William R., New York, N. Y. Automatic gas heater for printing presses. 2,257,010; Sept. 23.
Hill, Howard, North Hollywood, Calif. Bowstave or the like. 2,256,946; Sept. 23.
Hill, James M., San Antonio, Tex. Tension wrench. 2,256,478; Sept. 23.
Hill, Walter F., Cincinnati, Ohio, assignor of one-half to J. J. Kohler, Newport, Ky. Harrow. 2,256,593; Sept. 23.
Hill, William H., Stamford, Conn., assignor American Cyanamid Company, New York, N. Y. Organic vanadium esters. 2,257,009; Sept. 23.
Hillier, Harold, assignor to G. & J. Weir Limited, Cathcart, Glasgow, Scotland. Lubricating and cooling system for the stuffing boxes for pumps and like engines. 2,257,011; Sept. 23.
Hinde & Dauch Paper Company, The. (See Andres, Frederick P., assignor.)
Hineline, Edson S., assignor to The Folmer Graflex Corporation, Rochester, N. Y. Shutter actuating mechanism, particularly for reflex cameras. 2,257,012; Sept. 23.
Hoelscher, Otto, Detroit, Mich. Exterminator. 2,256,561; Sept. 23.
Hoffman, Harold, Chicago, Ill. Lock decoder. 2,257,054; Sept. 23.
Holm, Carl, assignor to Economic Machinery Company, Worcester, Mass. Labeling machine. 2,257,055; Sept. 23.
Holmes, Frederick T. (See Beams, J. W., and Holmes.)
Holzwarth Gas Turbine Co. (See Holzwarth, Hans, assignor.)
Holzwarth, Hans, Dusseldorf, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif. Blade for rotary machines operated by high temperature media. 2,256,479; Sept. 23.
Hoof, Addison C., Hinsdale, Ill. Governor. 2,256,467; Sept. 23.
Hopkins, Robert K., assignor to M. W. Kellogg Co., New York, N. Y. Welding method. 2,256,924; Sept. 23.
Hörgård, Gunnar, Oslo, Norway, assignor to W. B. Arness, Ambridge, and O. Smalley, Pittsburgh, Pa. Production of ferroalloys. 2,256,901; Sept. 23.
Horwood Incorporated. (See Kors, Henry F., assignor.)
Hosker, Clarence E., Watertown, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Article of footwear. 2,256,643; Sept. 23.
Houdaille-Hershey Corporation. (See Brubaker, Kenneth E., assignor.)
Houde Engineering Corporation. (See Peo, R. F., and Magrum, assignors.)
Houde Engineering Corporation. (See Perkins, Charles E., assignor.)
Houlihan, Rudolph N., assignor to The Bridgeport Metal Goods Manufacturing Company, Bridgeport, Conn. Cosmetic holder. 2,256,644; Sept. 23.
Hubbell, Alfred W., Bartlesville, Okla., assignor Phillips Petroleum Company. Pipe-line plug. 2,256,775; Sept. 23.
Huff, Van E., assignor of one-half to C. F. Miller, Miami, Fla. Operating mechanism for louver construction. 2,257,056; Sept. 23.
Huggins, Benjamin F. (See Gaut, G. C., Huggins, Swaddle, and Stubbs.)
Hughes, Grover A., Seattle, Wash. Welding gun. 2,256,480; Sept. 23.
Hulme, Philip M., and R. A. Ghelardi, Metuchen, N. J., assignors to International Smelting & Refining Company. Producing flat-set copper shapes. 2,256,481; Sept. 23.
Hunt, George. (See Geyer, H. D., and Hunt.)
Hunt, George, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Clutch driven plate. 2,256,712; Sept. 23.
Hunt, George, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Clutch driven plate. 2,256,713; Sept. 23.
Hunt, George, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Clutch. 2,256,714; Sept. 23.
Hurley, Roy T., Dobbs Ferry, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Pressure measuring means. 2,256,804; Sept. 23.
Hurst, Ira N. (See Hansen, W. L., and Hurst.)
Huthsing, Charles K., Grosse Pointe, Mich. Fire extinguisher construction. 2,256,902; Sept. 23.
Huye, Joseph G., New Orleans, La. Hat packing stay. 2,257,057; Sept. 23.
Hyman, Benjamin M., Moline, Ill., assignor to International Harvester Company. Pick-up attachment for harvester-threshers. 2,256,829; Sept. 23.
Hynson, Westcott & Dunning, Incorporated. (See Brewer, John H., assignor.)
Imperial Brass Manufacturing Company, The. (See McIntosh, Robert D., assignor.)
Imperial Molded Products Corporation. (See Amrine, Leclare H., assignor.)
Ingram, John E., San Antonio, Tex. Road roller. 2,256,594; Sept. 23.
International Harvester Company. (See Baker, D. B., Rogers, and Bechman, assignors.)
International Harvester Company. (See Hyman, Benjamin M., assignor.)
International Harvester Company. (See Johnson, Arnold E. W., assignor.)
International Harvester Company. (See Lindgren, A. C., and Scarlett, assignors.)
International Harvester Company. (See Raney, C. R., and MacDonald, assignors.)
International Harvester Company. (See Scarlett, Arthur A., assignor.)
International Harvester Company. (See Welty, Albert B., assignor.)
International Smelting & Refining Company. (See Hulme, P. M., and Ghelardi, assignors.)
Isbister, Eric J. (See Moseley, F. L., and Isbister.)
Isbister, Eric J., Brooklyn, and F. L. Moseley, Pelham, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Data transmission and control system. 2,256,482; Sept. 23.
Iverson, Carl O., Longview, Wash. Flexible steel rule gauge. 2,256,676; Sept. 23.
Jacobson, Samuel, New York, N. Y. Supporting window shades. 2,257,014; Sept. 23.
Jakosky, John J., Los Angeles, Calif. Electrical exploration of the subsurface. 2,256,742; Sept. 23.
Janeway, Robert N., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Railway vehicle. 2,256,978; Sept. 23.
Jarvis, E. Clement. (See Hebblewhite, Gilbert W., assignor.)
Jarvis Engineering Works. (See Hebblewhite, Gilbert W., assignor.)
Jarvis, W. B., Company. (See Gowdy, Albert W., assignor.)
Jenkins Bros. (See Gora, Henry Z., assignor.)
Jennart, Joseph W., Spring City, Pa. Eaves trough fastening device. 2,256,843; Sept. 23.
Johansen, Einar K., and A. E. Waltman, assignors to Clearing Machine Corporation, Chicago, Ill. Sheet metal flexing machine. 2,256,520; Sept. 23.
Johnson, Agnar, assignor of one-third to H. B. Faith and one-third to A. L. Nelson, Rockford, Ill. Battery terminal. 2,257,013; Sept. 23.
Johnson, Arnold E. W., Chicago, Ill., assignor to International Harvester Company. Pickup baler. 2,256,830; Sept. 23.
Johnson, Arthur B., and G. J. Alajoki, Melrose Park, Ill. Supporting decoys. 2,256,616; Sept. 23.
Johnson, Bertman V., and L. M. Stewart, Altoona, Fla. Bag holder. 2,257,058; Sept. 23.
Johnson, Manfred J., Naugatuck, Conn., assignor of one-half to The Lewis Engineering Company. Control system. 2,256,760; Sept. 23.
Johnson, William A., Springfield, Ill., assignor, by mesne assignments, to The Ohio Cultivator Company. Harvester and feeder. 2,256,562; Sept. 23.
Johnston, Frederick L., Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthetic spongy material. 2,256,483; Sept. 23.
Jonas, Jacob F., Bellevue, Ky., assignor to The Krippendorf-Dittmann Company, Cincinnati, Ohio. Shoe upper. 2,257,075; Sept. 23.
Jones, James R., Lakewood, assignor to Art Metal Construction Company, Jamestown, N. Y. Base for swivel chairs and the like. 2,256,677; Sept. 23.
Jones, John C., Springfield Gardens, N. Y. Communion kneeler cover. 2,256,979; Sept. 23.
Jones, Lucian N. (See Smith, H. L., Jr., and Jones.)
Joyner, George O., and D. S. Myers, St. Louis, Mo. Variable speed transmission. 2,256,903; Sept. 23.
Kammer, George S., Geneva, Switzerland. Compression ignition engine. 2,256,776; Sept. 23.
Kamplade, Heinrich, assignor to Heinrich Lanz Aktiengesellschaft, Mannheim, Germany. Root harvesting machine. 2,256,563; Sept. 23.
Karey, Romuald, assignor to Bendix Aviation Corporation, South Bend, Ind. Outboard motor. 2,256,831; Sept. 23.
Katz, Frederick L. (See Cohen, Alvin H., assignor.)
Kauffman, Lester S. (See Brumbaugh, I. V., Kauffman, and Reinhart.)
Kaulen, Robert, Loevenich, near Cologne-on-the-Rhine, Germany, assignor to the firm Eden A. G., Zug, Zurich, Switzerland. Uniformly coating printing supports. 2,256,777; Sept. 23.
Keller, Alfred R. (See Eddy, L., Comtois, and Keller.)
Kellogg, M. W., Co. (See Hopkins, Robert K., assignor.)
Kemp, Frank E., Honolulu, Hawaii. Portable paving plant. 2,256,484; Sept. 23.
Kennedy, James A., Ann Arbor Township, Washtenaw County, Mich. Synchronizing device. 2,256,569; Sept. 23.
Keogler, William H., Jamaica, assignor to Albert Ehlers, Inc., Brooklyn, N. Y. Package. 2,256,985; Sept. 23.
Kerb-Konus Gesellschaft Dr. Carl Elbes & Co. (See Osenberg, Werner, assignor.)
Kern, Emil, assignor to Acco Products, Inc., Long Island City, N. Y. Filing equipment. 2,256,678; Sept. 23.
Kern, Jean G., East Aurora, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Vat dye composition. 2,256,805; Sept. 23.

Kern, Jean G., East Aurora, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Vat dye composition. 2,256,806; Sept. 23.
Kern, Jean G., East Aurora, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Dyeing with vat dyes. 2,256,807; Sept. 23.
Kern, Jean G., East Aurora, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Dyeing with vat dyes. 2,256,808; Sept. 23.
Kern, Jean G., East Aurora, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Production of resist effects. 2,256,809; Sept. 23.
Kerner, F. J. (See Anderson, William M., assignor.)
Killian, Stanley C. (See Cornell, E. S., Killian, and Stoos.)
King, Oscar H., assignor to Pacific States Cast Iron Pipe Co., Provo, Utah. Sand core and making same. 2,256,832; Sept. 23.
Kintner, Edwin K., Millburn, assignor to Arco Welding & Machine Works, Inc., Jersey City, N. J. Pasteurizing process and apparatus. 2,256,904; Sept. 23.
Kipnis, Abraham, Far Rockaway, N. Y. Dough extruding machine. 2,256,617; Sept. 23.
Kirkpatrick, Willis B., Scarsdale, and M. Coen, Hartsdale, N. Y. All-purpose golf bag. 2,256,521; Sept. 23.
Kirschner, Henry J., assignor to General Motors Corporation, Detroit, Mich. Centrifugal governor. 2,256,715; Sept. 23.
Kistler, Samuel S., West Boylston, and C. E. Barnes, assignors to Norton Company, Worcester, Mass. Making abrasive articles of resin bonded abrasive grains. 2,256,618; Sept. 23.
Klancnik, Frank J., Chicago, Ill. Fuse for outlet connections. 2,256,716; Sept. 23.
Kleckner, Arthur C., assignor, by mesne assignments, to Webster Electric Company, Racine, Wis. Fuel pump. 2,256,743; Sept. 23.
Klein, Arthur F. (See Petke, F. E., and Klein.)
Klein, Bernard, and B. A. Heimbinder, New York, N. Y. Visible portable loose-leaf device. 2,256,980; Sept. 23.
Klein, Louis M., New York, N. Y. Self-developing camera. 2,256,981; Sept. 23.
Kohler, John J. (See Hill, Walter F., assignor.)
Kopczynski, John, assignor of one-half to Dr. P. Ament, Buffalo, N. Y. Traction device. 2,256,570; Sept. 23.
Kornemann, Henry C., and G. H. Zenner, Kenmore, assignors to The Linde Air Products Company, New York, N. Y. Construction for double-walled insulated containers. 2,256,679; Sept. 23.
Kors, Henry F., Chicago, Ill., assignor, by mesne assignments, to Horwood Incorporated, Independence, Kans. Coffee maker. 2,256,717; Sept. 23.
Krauser, Webb G., Montreal, Quebec, Canada, assignor to Cardwell-Westinghouse Company. Friction bolster spring. 2,256,485; Sept. 23.
Kreiter, Richard F., Houston, Tex. Chain press. 2,256,718; Sept. 23.
Krippendorf-Dittmann Company, The. (See Jonas, Jacob F., assignor.)
Kruk, Eugene, New York, N. Y. Cigarette dispensing device and lighter. 2,256,844; Sept. 23.
Kuhlman, Florence, assignor to R. Appel, New York, N. Y. Decorative material. 2,256,645; Sept. 23.
Kuhnl, Leopold. Bridgeport, Conn., assignor to Magazine Repeating Razor Company, New York, N. Y. Razor. 2,256,810; Sept. 23.
Kuzmick, Joseph N., Clifton, and A. Whitelaw, assignors to Raybestos-Manhattan, Inc., Passaic, N. J. Molded composition friction body. 2,256,646; Sept. 23.
La Chapelle, Merle P., assignor to Armstrong Cork Company, Lancaster, Pa. Plasterboard. 2,256,761; Sept. 23.
Lane, John J. (See Crickmer, C. S., and Lane.)
Lanninger, Karl L., Frankfort-on-the-Main, Germany. Pipe coupling. 2,256,845; Sept. 23.
Lanz, Heinrich, Aktiengesellschaft. (See Kamplade, Heinrich, assignor.)
Lapointe Machine Tool Company, The. (See Phaneuf, Wilrose J., assignor.)
Larmour, James J., East Orange, assignor to Plastic Inlays, Inc., Summit, N. J. Inlaid article and method. 2,257,015; Sept. 23.
Lazar, Edward F., New York, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Remote positional control system. 2,256,787; Sept. 23.
Lavino, E. J., and Company. (See Sell, Gilbert E., assignor.)
Lavino, E. J., and Company. (See Yeakel, George L., assignor.)
Lawler, Frank P., assignor, by mesne assignments, to G. L. T. Corporation, San Francisco, Calif. Fair-lead. 2,256,982; Sept. 23.
Lecker, Isaac M., assignor of two-thirds to W. Lindenbaum and one-third to G. Postel, New York, N. Y. Brush construction. 2,256,983; Sept. 23.
Lemen, William W., Glendale, Calif., and D. G. Cunningham, Salt Lake City, Utah. Locomotive. 2,256,984; Sept. 23.
Lemmer, Frederick, Irvington, N. J. Slider lock for slide fastener. 2,256,680; Sept. 23.
Lewis Engineering Company, The. (See Johnson, Manfred J., assignor.)
Lewis, George S., Evanston, Ill. Wheel rim and metal treating method. 2,256,947; Sept. 23.
Liebing, Rudolf, and A. Rubin, assignors to the firm Bleichert Transportanlagen G. m. b. H., Leipzig, Germany. Reclaiming and excavating appliance. 2,256,719; Sept. 23.
Lierg, Friedrich, Berlin-Zehlendorf, assignor of one-half to O. Czelja, Wien IV, Germany. Photographic emulsion and producing it. 2,256,720; Sept. 23.
Likshis, Harry J., Worcester, Mass. Ceiling washer. 2,256,986; Sept. 23.
Lincoln, John S., Des Moines, Iowa. Wall paper cleaning device. 2,256,744; Sept. 23.
Lindberg, John F., Chicago, Ill. Coin detecting apparatus. 2,256,486; Sept. 23.
Linde Air Products Company, The. (See Hansen, Odd A., assignor.)
Linde Air Products Company, The. (See Kornemann, H. C., and Zenner, assignors.)
Linde Air Products Company, The. (See Van Vleet, James G., assignor.)
Lindenbaum, William et al. (See Lecker, Isaac M., assignor.)
Lindgren, Alexus C., Chicago, Ill., and A. A. Scarlett, Hamilton, Ontario, Canada, assignors to International Harvester Company. Power depth control. 2,256,811; Sept. 23.
Link-Belt Company. (See Parker, Richard W., assignor.)
Liquidometer Corporation, The. (See deGiers, Clarence A., assignor.)
Livermon, Carl R., Roxobel, N. C. Feeder. 2,256,681; Sept. 23.
Lloyd, Roy D., and R. L. Gardner, assignors of one-half to Pittsburgh Brass Manufacturing Company, Pittsburgh, Pa. Throttle and ignition control for internal combustion engines. 2,256,948; Sept. 23.
Lohmann, Willi, Berlin-Wilmersdorf, Germany. Ophthalmic mounting. 2,256,846; Sept. 23.
Lomax, Cyrus E. (See Slack, W. R., and Lomax.)
Lomax, Frank B., Chicago, Ill. Leg clamp for containers. 2,256,522; Sept. 23.
Lubszynski, Hans G., Hillingdon, and W. S. Brown, London, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England. Electron multiplier. 2,256,523; Sept. 23.
Luck, David G. C., Haddon Heights, N. J., assignor to Radio Corporation of America. Directional antenna. 2,256,619; Sept. 23.
Luftfahrtforschungsanstalt Hermann Göring. (See Zobel, Theodore, assignor.)
Lundgren, John A., Minden, Nebr. Decoy. 2,256,778; Sept. 23.
Lyon Metal Products, Incorporated. (See Bales, James E., assignor.)
MacDonald, Raymore D. (See Raney, C. R., and MacDonald.)
Machino, Torahachi, Tokyo-Shi, Japan. Duplex tone changing and adjusting device for harmonicas. 2,256,682; Sept. 23.
Mackay Radio and Telegraph Company. (See Alford, Andrew, assignor.)
Magazine Repeating Razor Company. (See Kuhnl, Leopold, assignor.)
Magazine Repeating Razor Company. (See Auerbach, Zemach, assignor.)
Magnesium Development Corporation. (See Bothmann, Hans, assignor.)
Magnuson, Roy M., assignor to Food Machinery Corporation, San Jose, Calif. Apparatus and method for precooling vegetables and the like. 2,256,745; Sept. 23.
Magrum, Gervase M. (See Peo, R. F., and Magrum.)
Mallory, P. R., & Co. (See Gaut, G. C., Huggins, Swaddle, and Stubbs, assignors.)
Mandel, Jacob, assignor to Pronto File Corporation, New York, N. Y. Closure mechanism for cartons and files. 2,256,834; Sept. 23.
Maniscalco, Pietro, Chicago, Ill. Fluid compressor. 2,256,926; Sept. 23.
Mann, Charles et al. (See Sugarwater, Harold, assignor.)
Mantle, Burr W., Pittsford, N. Y., assignor to The American Brake Shoe Foundry Company. Spring expander. 2,256,564; Sept. 23.
Mantle, Burr W., Pittsford, N. Y., assignor to The American Brake Shoe & Foundry Company. Unloading device. 2,256,565; Sept. 23.
Marchant Calculating Machine Company. (See Avery, Harold T., assignor.)
Marchant, Guy O., et al. (See Walker, Jay P., assignor.)
Marholz, Richard C. (See Dunn, W. L., Marholz, and Plensler.)
Markham, Charles M., Birmingham, Ala. Adjustable shore. 2,256,620; Sept. 23.
Martin, George E., assignor to General Motors Corporation, Detroit, Mich. Hydraulic brake. 2,256,721; Sept. 23.
Martin, Herman H., assignor to H. H. Martin Products Corporation, Toledo, Ohio. Container closure. 2,256,722; Sept. 23.
Martin, H. H., Products Corporation. (See Martin, Herman H., assignor.)
Martin, John L. (See Mathias, John W., assignor.)
Mathias, John W., Upper Darby, assignor of one-half to J. L. Martin, Philadelphia, Pa. Track and rail fastening. 2,257,020; Sept. 23.
Mayer, Charles W., Rochester, N. Y. Winding apparatus. 2,256,746; Sept. 23.

McArn, Donald G., Pittsburgh, and J. W. McDonald, West View, Pa., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electrical apparatus support. 2,256,762; Sept. 23.
McCoy, Curtiss J., assignor to Air-Line Mfg. Co., Inc., Indianapolis, Ind. Noise making tube. 2,256,925; Sept. 23.
McDonald, George T., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control device. 2,256,833; Sept. 23.
McDonald, John W. (See McArn, D. G., and McDonald.)
McDonell, William E., assignor to Shuron Optical Company, Inc., Rochester, N. Y. Ophthalmic mounting. 2,256,747; Sept. 23.
McElgin, John, assignor to John J. Nesbitt, Inc., Philadelphia, Pa. Air conditioning apparatus. 2,256,566; Sept. 23.
McHenry, Gail, Muncie, Ind. Shear attachment for power units. 2,256,779; Sept. 23.
McIntosh, Robert D., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Gas outlet box. 2,256,780; Sept. 23.
McKelvey, James F., assignor to Vulcan Steel Tank Corporation, Tulsa, Okla. Oil and gas separator. 2,256,524; Sept. 23.
McKinney, Charles E., Borger, Tex., assignor to Continental Carbon Company. Scraper for carbon black drum. 2,256,949; Sept. 23.
Mercier, Jean, Neuilly-sur-Seine, France. Oleopneumatic device. 2,256,835; Sept. 23.
Merla Tool Company. (See Crickmer, C. S., and Lane, assignors.)
Merrill, Allan B., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Bearing. 2,256,647; Sept. 23.
Mervis, Lou. (See Cullin, Jasper F., assignor.)
Metallgesellschaft Aktiengesellschaft et al. (See Thede, Johannes, assignor.)
Metcalf, Arthur G. B., Milton, assignor to Photoswitch Incorporated, Cambridge, Mass. Photoelectric system. 2,256,595; Sept. 23.
Meteesky, George P., Waterbury, Conn. Solenoid pump. 2,257,059; Sept. 23.
Meyerhoefer, Carl E., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Heat exchanger system and apparatus. 2,256,987; Sept. 23.
Michailoff, Alexander, Grosse Pointe Farms, assignor to Chrsyler Corporation, Highland Park, Mich. Apparatus for making fluid couplings. 2,256,988; Sept. 23.
Mikesell, John L., Pampa, Tex. Applicator band. 2,256,683; Sept. 23.
Mikina, Joseph J., Detroit, Mich. Artificial minnow. 2,256,813; Sept. 23.
Miller, Charles F. (See Huff, Van E., assignor.)
Miller, Herbert E., Washington, D. C., assignor to Electrical Manufacturing Company, Battle Creek, Mich. Cable support. 2,256,596; Sept. 23.
Miller, William B., Lakewood, Ohio. Fabricating joists. 2,256,812; Sept. 23.
Minneapolis-Honeywell Regulator Company. (See Haines, John E., assignor.)
Minneapolis-Honeywell Regulator Company. (See Harris, John L., assignor.)
Minneapolis-Honeywell Regulator Company. (See McDonald, George T., assignor.)
Mitchell Manufacturing Company. (See Blink, Peter, assignor.)
Mitten, Wilmer. (See Doherty, C., and Mitten.)
Moilliet, Theodore K., Vavenby, British Columbia, Canada. Transposing keyboard for pianos and accordions. 2,257,060; Sept. 23.
Molins Machine Company. (See Ruau, Félix Frederic, assignor.)
Moran, Don E., Scotia, N. Y., assignor to General Electric Company. Refrigerator control device. 2,256,468; Sept. 23.
Morgan Construction Company. (See Eddy, L. E., Contois, and Keller, assignors.)
Morgan Construction Company. (See Morgan, M., and Whalen, assignors.)
Morgan, Myles, Worcester, and J. N. Whalen, Boylston, assignors to Morgan Construction Company, Worcester, Mass. Handling of rod bundles or the like. 2,256,684; Sept. 23.
Morin, Lionel A., Laconia, N. H., assignor, by mesne assignments, to Hemphill Company, Pawtucket, R. I. Attachment for rib knitting machines. 2,256,525; Sept. 23.
Morris, Fred H., assignor to Pearson Sanding Machine Company, High Point, N. C. Sanding wheel head. 2,257,061; Sept. 23.
Morrow, Gertrude M., executrix. (See Morrow, Harry E.)
Morrow, Harry E., deceased, Electra, Tex., by G. M. Morrow, executrix, West Los Angeles, Calif. Engine shutdown device. 2,257,062; Sept. 23.
Moseley, Charles F., Bartlesville, Okla. Well pump. 2,256,567; Sept. 23.
Moseley, Francis L. (See Isbister, E. J., and Moseley.)
Moseley, Francis L., Pelham, and E. J. Isbister, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Data transmission and control system. 2,256,487; Sept. 23.
Moss, Frank J., Kansas City, Mo. Window sash operating mechanism. 2,256,905; Sept. 23.
Mossman, Howard M., New York, N. Y., and W. Steward, assignors to Heitzman Safety Blasting Plug Corp., Shamokin, Pa. Blasting plug. 2,257,063; Sept. 23.
Mott, Edwin L., St. Louis, Mo. Container. 2,256,748; Sept. 23.
Müller, Heinrich, Nuremberg, Germany. Traveling toy. 2,257,064; Sept. 23.
Mullen, James C., Cliffside Park, assignor to Verdi Bros. Cooperage Company, North Bergen, N. J. Bung bush. 2,256,906; Sept. 23.
Müller, Wolf J., and M. Niessner, Vienna, Germany, assignors, by mesne assignments, to Aktiengesellschaft Dynamit Nobel, Pressburg, Czechoslovakia. Copper-zinc alloy. 2,256,788; Sept. 23.
Murphree, Eger V., Summit, N. J., assignor to Standard Oil Development Company. Refining process. 2,256,621; Sept. 23.
Murphree, Eger V., Summit, and E. B. Peck, Elizabeth, N. J., assignors to Standard Oil Development Company. Manufacture of hydrocarbon products by hydrogenation of carbon oxides. 2,256,622; Sept. 23.
Murtaugh, Joseph P., Chicago Heights, Ill., assignor to Daniels-Murtaugh Company, Cedar Rapids, Iowa. Replaceable tooth for dippers. 2,256,488; Sept. 23.
Muskat, Irving E., Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Quaternary ammonium hypohalites and making same. 2,256,958; Sept. 23.
Muskat, Irving E., Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Hypochlorite of quaternary ammonium hydroxide and production thereof. 2,256,959; Sept. 23.
Myers, Donald S. (See Joyner, G. O., and Myers.)
N. V. Machinefabriek "Reineveld". (See van Riel, Pieter, assignor.)
Nash-Kelvinator Corporation. (See Phelps, Ross H., assignor.)
National Aniline & Chemical Company. (See Kern, Jean G., assignor.)
National Pneumatic Company. (See Forman, P. R., and Conklin, assignors.)
National Technical Laboratories. (See Cary, H. H., and Baxter, assignors.)
Nazett, Carl F., Boston, and E. C. Hardy, Somerville, Mass. Electrical apparatus. 2,256,489; Sept. 23.
Nelson, Arthur L., et al. (See Johnson, Agnar, assignor.)
Nelson, Floyd R., assignor to Cotta Transmission Corporation, Rockford, Ill. Overload release mechanism. 2,256,781; Sept. 23.
Nelson, Harmon O., assignor to Whitin Machine Works, Whitinsville, Mass. Thread guide. 2,256,568; Sept 23.
Neracher, Carl A., and W. T. Dunn, Detroit, assignors to Chrsyler Corporation, Highland Park, Mich. Power transmission. 2,256,960; Sept. 23.
Nesbitt, John J., Inc. (See McElgin, John, assignor.)
Newman, Samuel P., Sr., Acol, Tex. Logging truck and trailer. 2,256,623; Sept. 23.
Nicholas, Marcel A., assignor to Consolidated Packaging Machinery Corporation, Buffalo, N. Y. Bag closing machine. 2,256,526; Sept. 23.
Niessner, Moritz. (See Müller, W. J., and Niessner.)
Norman, Albert M. (See Onishi, G. E., and Norman.)
Norton Company. (See Kistler, S. S., and Barnes, assignors.)
Norton, Frank W., Chicago, Ill. Coin holder. 2,256,571; Sept. 23.
Nutt, Irwin, Los Angeles, Calif. Carton. 2,256,723; Sept. 23.
Ochsenbein, Walter, assignor to Hasler A. G. Werke für Telephonie & Präzisionsmechanik, Berne, Switzerland. Multipoint magneto for internal combustion engines. 2,256,907; Sept. 23.
Odlum, William H., assignor to Duro Metal Products Company, Chicago, Ill. Wrench joint. 2,256,624; Sept. 23.
Ogle, Kenneth N. (See Ames, A., Jr., and Ogle.)
Ohio Cultivator Company, The. (See Johnson, William A., assignor.)
Olley, Earl M., assignor to Crouse-Hines Company, Syracuse, N. Y. Sealing fitting for electrical conduit lines. 2,257,065; Sept. 23.
Olmstead, Wilbur E., assignor to The Hatheway Mfg. Co., Bridgeport, Conn. Garment clasp. 2,256,867; Sept. 23.
O'Neil, William F. (See Taylor, R. J., and O'Neil.)
Onishi, George E., and A. M. Norman, assignors to The Studebaker Corporation, South Bend, Ind. Automobile heating system. 2,256,724; Sept. 23.
Osenberg, Werner, assignor to Kerb-Konus Gesellschaft Dr. Carl Eibes & Co., Dresden, Germany. Tool. 2,256,887; Sept. 23.
O'Shei, William E., London, England. Wind-screen wiper. 2,257,066; Sept. 23.
Oswego Falls Corporation. (See Price, John F., assignor.)
Pacific States Cast Iron Pipe Co. (See King, Oscar H., assignor.)
Pappert, Andrew J., Jr., Bellevue, Pa. Liquid dispenser. 2,256,782; Sept. 23.
Parker, Clark W., Dobbs Ferry, N. Y. Dual tire inflator device. 2,256,469; Sept. 23.
Parker, Richard W., Indianapolis, Ind., assignor to Link-Belt Company. Self-aligning idler for belt conveyers. 2,256,685; Sept. 23.

Parsons, John A., Bainbridge, assignor to American Plastics Corporation, New York, N. Y. Method and apparatus for making casein plastics. 2,257,067; Sept. 23.
Parsons, John A., Bainbridge, assignor to American Plastics Corporation, New York, N. Y. Molding casein plastic articles. 2,257,068; Sept. 23.
Patent Button Company, The. (See Purinton, Forrest G., assignor.)
Patterson, Richard. (See Eastman, W. S., and Patterson.)
Patterson, Richard, Glendale, R. I., assignor to Stillwater Worsted Mills. Spinning frame. 2,257,046; Sept. 23.
Paul, Talbert W. (See Brown, T., and Paul.)
Paynter, Horace J., Union, N. J., assignor to American Can Company, New York, N. Y. Can orienting mechanism. 2,256,490; Sept. 23.
Peak, Joseph D., Austin, Tex. Orthodontic bracket. 2,257,069; Sept. 23.
Pearson, Ernest W., and D. J. Baillie, Montreal, Quebec, Canada. Refrigerator car insulation and applying it. 2,256,961; Sept. 23.
Pearson Sanding Machine Company. (See Morris, Fred H., assignor.)
Peck, Edward B. (See Murphree, E. V., and Peck.)
Peck, William F., Kenmore, and A. A. Gradisar, Buffalo, N. Y., assignors to American Optical Company, Southbridge, Mass. Trial frame. 2,256,491; Sept. 23.
Peerless Novelty Company. (See Dake, Charles W., assignor.)
Peerpatco Incorporated. (See Dunbeck, Norman J., assignor.)
Pégard, Marcel, Paris, France. Clutch device. 2,256,789; Sept. 23.
Penn Electric Switch Co. (See Shaw, Burton E., assignor.)
Pennell, Robert E., Anderson, S. C. Production of alum and aluminum salts. 2,256,790; Sept. 23.
Penning, Richard M., Clayton, Mo. Garment hanger. 2,256,686; Sept. 23.
Penter, Eli E., Huntington Park, Calif. Safety striking match. 2,256,687; Sept. 23.
Peo, Ralph F., and G. M. Magrum, assignors to Houde Engineering Corporation, Buffalo, N. Y. Hydraulic shock absorber. 2,256,470; Sept. 23.
Perkins, Charles E., assignor to Houde Engineering Corporation, Buffalo, N. Y. Hydraulic shock absorber control for railway trucks. 2,256,868; Sept. 23.
Perlick, Hilbert R., assignor to R. Perlick Brass Company, Milwaukee, Wis. Beverage dispenser. 2,257,070; Sept. 23.
Perlick, R., Brass Company. (See Perlick, Hilbert R., assignor.)
Peterson, Carl D., and A. H. Deimel, Toledo, Ohio. Poppetless synchronizing clutch. 2,257,071; Sept. 23.
Peterson, Chris L., Cheyenne, Wyo. Recap tire balance wheel. 2,256,814; Sept. 23.
Pettke, Frederick E., Bound Brook, N. J., and A. F. Klein, Philadelphia, Pa., assignors to American Cyanamid Company, New York, N. Y. Dyeing of polyvinyl halide-acetate copolymer fibers and fabrics. 2,257,076; Sept. 23.
Pfarrwaller, Erwin, assignor to Tefag Textil-Finanz A. G., Winterthur, Switzerland. Heald frame. 2,256,572; Sept. 23.
Phaneuf, Wilrose J., assignor to The Lapointe Machine Tool Company, Hudson, Mass. Stripping broach. 2,256,573; Sept. 23.
Phelps, Ross H., assignor to Nash-Kelvinator Corporation, Kenosha, Wis. Automotive suspension. 2,256,749; Sept. 23.
Philco Radio and Television Corporation. (See Pressley, Jackson H., assignor.)
Phillips, Albert J., Plainfield, A. A. Smith, Jr., Metuchen, and J. S. Smart, Jr., Orange, N. J., assignors to American Smelting and Refining Company, New York, N. Y. Treating copper and product thereof. 2,256,492; Sept. 23.
Phillips Petroleum Company. (See Hubbell, Alfred W., assignor.)
Photoswitch Incorporated. (See Metcalf, Arthur G. B., assignor.)
Picker X-Ray Corporation, Waite Manufacturing Division, Inc. (See Goldfield, Edwin R., assignor.)
Pierce, Earl R., and G. K. Hause, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Disk brake. 2,256,725; Sept. 23.
Pierce, John B., Foundation. (See Groeniger, William C., assignor.)
Pierce, Lyle F., Santa Cruz, Calif. Tire inflation signal. 2,256,688; Sept. 23.
Pigott, Reginald J. S., assignor to Gulf Research & Development Company, Pittsburgh, Pa. Bearing. 2,256,783; Sept. 23.
Pincus, Alexis G. (See Rowe, L. F., Silverberg, and Pincus.)
Pittman, Reinhart W., Jackson Heights, N. Y. Baker's dough cutting and spreading machine. 2,256,927; Sept. 23.
Pittsburgh Brass Manufacturing Company. (See Lloyd, R. D., and Gardner, assignors.)
Pittsburgh Plate Glass Company. (See Muskat, Irving E., assignor.)
Pittsburgh Plate Glass Company. (See Pollack, Maxwell A., assignor.)

Plastic Inlays, Inc. (See Larmour, James J., assignor.)
Plensler, Alexander W. (See Dunn, W. L., Marholz, and Plensler.)
Pokorny, Jerome J., Cleveland, Ohio. Pipe tool. 2,256,848; Sept. 23.
Pollack, Maxwell A., Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Esters of di halo propionic acid. 2,257,021; Sept. 23.
Postel, George et al. (See Lecker, Isaac M., assignor.)
Potchen, Joseph A., Grand Rapids, Mich., assignor to Haskelite Manufacturing Corporation. Wood flooring. 2,256,836; Sept. 23.
Potdevin Machine Company. (See Ettl, Joseph, assignor.)
Powers Accounting Machines Limited. (See Thomas, Arthur, assignor.)
Preisser, Frederick, Plainville, Conn. Electrically heated paint and paper scraper. 2,256,648; Sept. 23.
Pressed Steel Car Company. (See Schmohl, Alfred C., assignor.)
Pressed Steel Car Company. (See Utzler, E. S., and Schlienger, assignors.)
Pressley, Jackson H., Marion, Ind., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa. Rotary indicating device. 2,257,022; Sept. 23.
Price, John F., assignor to Oswego Falls Corporation, Fulton, N. Y. Machine for applying slip covers to containers. 2,256,574; Sept. 23.
Pronto File Corporation. (See Mandel, Jacob, assignor.)
Puckette, Charles C., and G. Dewar, Coventry, assignors to The General Electric Company Limited, London, England. Impulse registering device of the type used in telephone systems. 2,256,869; Sept. 23.
Purdue Research Foundation. (See Hass, H. B., and Strickland, assignors.)
Purinton, Forrest G., assignor to The Patent Button Company, Waterbury, Conn. Snap fastener. 2,256,849; Sept. 23.
Purinton, Forrest G., assignor to The Patent Button Company, Waterbury, Conn. Snap fastener. 2,256,850; Sept. 23.
Quam, James P., assignor to Quam-Nichols Company, Chicago, Ill. Air gap shield for loud-speakers. 2,256,689; Sept. 23.
Quam-Nichols Company. (See Quam, James P., assignor.)
Quattlebaum, William M., Jr., Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Stabilized vinyl resin. 2,256,625; Sept. 23.
Quilter, John R. C., and J. Gregory, Woking, England. Aviation garment. 2,256,597; Sept. 23.
Radio Corporation of America. (See Artzt, Maurice, assignor.)
Radio Corporation of America. (See Braden, Rene A., assignor.)
Radio Corporation of America. (See Luck, David G. C., assignor.)
Radio Corporation of America. (See Seeley, Stuart W., assignor.)
Rafter, Albert, Glen Ridge, assignor to Rafter Machine Company, Belleville, N. J. Machine for bending sheet metal shapes. 2,256,908; Sept. 23.
Rafter Machine Company. (See Rafter, Albert, assignor.)
Ragsdale, Earl J. W., Norristown, and A. G. and W. B. Dean, Narberth, assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Rail car front end construction. 2,256,493; Sept. 23.
Ragsdale, Earl J. W., Norristown, and A. G. Dean, Narberth, assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Rail car front end construction. 2,256,494; Sept. 23.
Raiziss, George W., L. W. Clemence, and M. Freifelder, Philadelphia, Pa., assignors to Abbott Laboratories, North Chicago, Ill. Making alkali metal formaldehyde sulphoxylate diamino diphenyl sulphide or sulphone reaction products. 2,256,575; Sept. 23.
Raney, Clemma R., Riverside, and R. D. Macdonald, Western Springs, Ill., assignors to International Harvester Company. Manure spreader. 2,256,815; Sept. 23.
Rawlings, Ben M., assignor to Tennessee Stove Works, Chattanooga, Tenn. Stove. 2,256,649; Sept. 23.
Ray, Hjalmer A., Fairhaven, Mass. Fishing reel. 2,257,023; Sept. 23.
Ray, William A., Glendale, Calif. Valve reset mechanism. 2,257,024; Sept. 23.
Raybestos-Manhattan, Inc. (See Kuzmick, J. N., and Whitelaw, assignors.)
Reconstruction Finance Corporation. (See Visser, John, assignor.)
Redford, Carlyle, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Clutch. 2,256,989; Sept. 23.
Reed, Arthur W., Boston, Mass., assignor to Atlas Power Corporation. Apparatus for destroying acid flame in internal combustion motor gases. 2,256,950; Sept. 23.
Reed, Daniel E., assignor to Yankee Metal Products Corp., Norwalk, Conn. Mounting for vehicle accessories such as rearview mirrors and the like. 2,256,763; Sept. 23.
Rehm, Gustav A., assignor to Riley Stoker Corporation, Worcester, Mass. Steam generator. 2,256,576; Sept. 23.
Reich, Gustave T., Philadelphia, Pa. Recovering carbon dioxide from flue gases. 2,256,962; Sept. 23.

Reid, Elsa B., Portland, Oreg., and K. Davies, Cle Elum, Wash. Scraper and cleaner for egg beaters and the like. 2,256,650; Sept. 23.
Reinhart, Harold C. (See Brumbaugh, I. V., Kauffman, and Reinhart.)
Reis, Robert & Co. (See Boysen, John A., assignor.)
Reliable Electric Company. (See Cook, John B., assignor.)
Remington, Leland F., assignor to Curtis & Marble Machine Company, Worcester, Mass. Machine for mixing textile fibers. 2,256,577; Sept. 23.
Research Corporation. (See Beams, J. W., and Holmes, assignors.)
Revere Camera Company. (See Sperry, Philmore F., assignor.)
Reynolds, Blythe M., Upper Montclair, N. J., assignor to Heyden Chemical Corporation, New York, N. Y. Purifying and concentrating formaldehyde solutions. 2,256,497; Sept. 23.
Riemenschneider, Edmund W., assignor to The Union Metal Manufacturing Company, Canton, Ohio. Reinforced skid platform. 2,256,750; Sept. 23.
Rightmyer, Holden W., assignor to The American Swiss Company, Toledo, Ohio. Latching device. 2,256,909; Sept. 23.
Rile, Frank H., Detroit, Mich. Roof sump. 2,256,626; Sept. 23.
Riley Stoker Corporation. (See Rehm, Gustav A., assignor.)
Ring, Raymond M., Chicago, Ill. Indicating device. 2,256,527; Sept. 23.
Rioux, John A., Jamaica, N. Y. Lapping tool. 2,256,495; Sept. 23.
Rippingille, Edward V., assignor to General Motors Corporation, Detroit, Mich. Crankshaft construction. 2,256,726; Sept. 23.
Roberts, Lloyd S., Denver, Colo. Mechanical counter. 2,256,581; Sept. 23.
Robinson, Girard C., Maywood, Ill. Power driven tool. 2,256,496; Sept. 23.
Roe, Floyd C., Washington, Iowa. Watering device. 2,256,751; Sept. 23.
Roensch, Max M., Birmingham, H. G. Braendel, Oakland County, and P. T. Cousino, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Manifold. 2,256,990; Sept. 23.
Rogers, Clifford R. (See Baker, D. B., Rogers, and Bechman.)
Rogers, Elwood C., Indianapolis, Ind. Photographic enlarger. 2,256,651; Sept. 23.
Rosen, Raphael, Elizabeth, N. J., assignor to Standard Oil Development Company. Motor fuel. 2,256,627; Routin, Joseph L., Paris, France. Talking machine. 2,256,578; Sept. 23.
Routin, Joseph L., Paris, France. Repeating device for gramophones. 2,256,579; Sept. 23.
Rowe, Louis F., Southbridge, and C. G. Silverberg, Brookfield, Mass., and A. G. Pincus, State College, Pa., assignors to American Optical Company, Southbridge, Mass. Material for polishing, cleaning, or the like, and making the same. 2,256,528; Sept. 23.
Rowe, Raymond N., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Enclosed switch. 2,256,910; Sept. 23.
Royal, Thomas M., & Company. (See Wagner, Melvin, assignor.)
Ruau, Félix F., Deptford, London, assignor to Molins Machine Company, Limited, London, England. Conveyer for the feeding of cigarettes or other rod shaped articles. 2,256,508; Sept. 23.
Rubber Associates, Incorporated. (See Buffington, Malcolm R., assignor.)
Rubin, Adolf. (See Liebing, R., and Rubin.)
Sabins, Roland C., Cincinnati, Ohio. Humidifier construction. 2,256,991; Sept. 23.
Sack, Jacob. (See de Boer, J. H., Sack, and van der Willigen.)
Sappington, Paul, Los Angeles, Calif. Air compressor. 2,256,952; Sept. 23.
Saurer, Curt, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Resilient mounting. 2,256,752; Sept. 23.
Sausedde, Claude, assignor to Detroit Hydrostatic Brake Corporation, Detroit, Mich. Hydrostatic brake. 2,256,498; Sept. 23.
Scarlett, Arthur A. (See Lindgren, A. C., and Scarlett.)
Scarlett, Arthur A., Hamilton, Ontario, Canada, assignor, by mesne assignments, to International Harvester Company, Chicago, Ill. Plow. 2,256,816; Sept. 23.
Schaffer, Herman W., Erie, Pa., assignor to General Electric Company. Dynamoelectric machine. 2,256,870; Sept. 23.
Schellenger, Newton C., El Paso, Tex., assignor to Chicago Telephone Supply Company, Elkhart, Ind. Combination electrical control assembly. 2,256,628; Sept. 23.
Schering Corporation. (See Serini, A., Strassberger, and Butenandt, assignors.)
Scheumann, Walter W., Tulsa, assignor to Cities Service Oil Company, Bartlesville, Okla. Stabilizing cracked gasoline. 2,256,753; Sept. 23.
Schlenger, Max A. (See Utzler, E. S., and Schlenger.)
Schlums, Otto W., assignor to Whitin Machine Works, Whitinsville, Mass. Guide support for winding spool. 2,256,580; Sept. 23.
Schmidinger, Joseph, Long Island City, N. Y. Electric switch device. 2,256,490; Sept. 23.
Schmidt, Henry F., Lansdowne, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Hydraulic governing apparatus. 2,256,903; Sept. 23.
Schmitter, Walter P., Wauwatosa, and R. Wiken, assignors to The Falk Corporation, Milwaukee, Wis. Speed reducer. 2,256,754; Sept. 23.
Schmohl, Alfred C., Beaver Falls, assignor to Pressed Steel Car Company, Inc., Pittsburgh, Pa. Cane car. 2,257,016; Sept. 23.
Schmohl, Alfred C., Beaver Falls, assignor to Pressed Steel Car Company, Inc., Pittsburgh, Pa. Car construction. 2,257,017; Sept. 23.
Schneck, Edwin B. F., Detroit, Mich. Barrel rifling means. 2,256,817; Sept. 23.
Schnorr, Adolf, Stuttgart-Botnang, Germany. Locking device for nuts, bolts, and screws. 2,256,851; Sept. 23.
Scholes, Richard T., Hinsdale, Ill. Rail fastening means. 2,257,077; Sept. 23.
Schroeder, Otto, assignor to Soule Steel Co., San Francisco, Calif. Building unit and interlock therefor. 2,256,701; Sept. 23.
Schubert, Karl, Vienna, Germany. Apparatus for feeding cloth samples from a supply thereof in a magazine. 2,256,852; Sept. 23.
Schuster, Fritz, Chemnitz, Germany. Rubber-faced roller. 2,257,025; Sept. 23.
Schwab, George L., Denver, Colo. Electric lighting generator for velocipedes. 2,256,794; Sept. 23.
Schwartz, George L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Paper product. 2,256,853; Sept. 23.
Schwartzberg, Louis, Chicago, Ill. Egg carton. 2,256,652; Sept. 23.
Schwendner, Anthony F., Ridley Park, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Governor apparatus. 2,256,964; Sept. 23.
Schwinn, Frank W., Chicago, Ill. Bicycle carrier. 2,256,629; Sept. 23.
Scott, Henery M., Sweetwater, Tenn. Foodstuff packaging process. 2,256,764; Sept. 23.
Scott, John M., McConnelsville, Ohio. Transom-equipped door. 2,256,854; Sept. 23.
Seaman, Charles, Jamaica Estates, N. Y. Apparatus for making trimmings. 2,256,792; Sept. 23.
Seaman, Charles, Jamaica Estates, N. Y. Sewing machine and attachment therefor. 2,256,793; Sept. 23.
Sears, Roebuck and Co. (See Spurgeon, N. B., and Cahill, assignors.)
Sebald, Leslie E., Ridgewood, N. J., assignor to The Griscom-Russell Company, New York, N. Y. Heat exchanger. 2,256,882; Sept. 23.
Seeley, Stuart W., Bayside, N. Y., assignor to Radio Corporation of America. Synchronizing signal separator circuit. 2,256,529; Sept. 23.
Seeley, Stuart W., Bayside, N. Y., assignor to Radio Corporation of America. Synchronizing system. 2,256,530; Sept. 23.
Sell, Gilbert E., Cynwyd, assignor to E. J. Lavino and Company, Philadelphia, Pa. Magnesia-lime-silica refractory. 2,256,795; Sept. 23.
Seitz, Casper P., Nampa, Idaho. Vehicle signaling device. 2,256,765; Sept. 23.
Serini, Arthur, Berlin, L. Strassberger, Berlin-Wilmersdorf, and A. Butenandt, Berlin-Dahlem, Germany, assignors to Schering Corporation, Bloomfield, N. J. Manufacture of pregnendiones. 2,256,500; Sept. 23.
Servel, Inc. (See Grubb, Gunnar, assignor.)
Sexton, Delaney E., Hollywood, Calif. Remote control for camera shutters. 2,256,965; Sept. 23.
Shakespeare Company. (See Clickner, Earle D., assignor.)
Shakespeare Products Company. (See Weber, Herman, assignor.)
Shaw, Burton E., Bristol, Ind., assignor to Penn Electric Switch Co., Goshen, Ind. Burner control system. 2,256,766; Sept. 23.
Shaw-Walker Company, The. (See Burdick, John S., assignor.)
Shield, Lansing P., Ridgewood, N. J. Carton cutter. 2,256,630; Sept. 23.
Shields, Carl, Pomeroy, Ohio. Storage tank cleaner. 2,256,767; Sept. 23.
Shuron Optical Company. (See McDonell, William E., assignor.)
Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung. (See Barth, Gustav, assignor.)
Silver, David F., Peekskill, N. Y. Razor. 2,256,871; Sept. 23.
Silverberg, Carl G. (See Rowe, L. F., Silverberg, and Pincus.)
Simon, Franz, Berlin-Friedenau, assignor to Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten m. b. H., Berlin, Germany. Telephone system. 2,256,872; Sept. 23.
Simonton, William, New York, N. Y. Combined sunglass and eye shade. 2,256,966; Sept. 23.
Singer Manufacturing Company, The. (See Hacklander, Hans, assignor.)
Slack, William R., and C. E. Lomax, Dayton, Ohio. Box. 2,256,928; Sept. 23.
Sleetex Company, The. (See Herzog, John H., assignor.)

Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Resistor. 2,256,727; Sept. 23.
Slyke, Josephine A. (See Van Slyke, John C., assignor.)
Smalley, Oliver, et al. (See Hörgård, Gunnar.)
Smart, John S., Jr. (See Phillips, A. J., Smith, and Smart.)
Smith, Albert A., Jr. (See Phillips, A. J., Smith, and Smart.)
Smith, Benjamin F., Lincoln, Nebr. Snowplow. 2,256,953; Sept. 23.
Smith, Horace L., Jr., and L. N. Jones, Richmond, Va., assignors to The Guardite Corporation, Apparatus for tobacco treatment. 2,256,954; Sept. 23.
Smith, William L., Jr., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Knitted fabric and method. 2,256,690; Sept. 23.
Smith, William L., Jr., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Knitted fabric and method. 2,256,691; Sept. 23.
Snavely, Clarence S., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 2,256,653; Sept. 23.
Soave, John G., assignor to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Manufacture of separable fastener elements. 2,256,796; Sept. 23.
Soday, Frank J., Upper Darby, Pa., assignor to The United Gas Improvement Company. Purification of valuable hydrocarbons. 2,257,078; Sept. 23.
Somes, Howard E., Detroit, Mich. Inside induction heater. 2,256,873; Sept. 23.
Sorensen, Ed L., Albany, Calif. Safety link. 2,256,582; Sept. 23.
Soule Steel Co. (See Schroeder, Otto, assignor.)
Specialty Papers Company. (See Wilshire, Van Hamm, assignor.)
Sperry Gyroscope Company. (See Esval, O. E., and Freitag, assignors.)
Sperry Gyroscope Company. (See Isbister, E. J., and Moseley, assignors.)
Sperry Gyroscope Company. (See Lazar, Edward F., assignor.)
Sperry Gyroscope Company. (See Moseley, F. J., and Isbister, assignors.)
Sperry, Philmore F., assignor to Revere Camera Company, Chicago, Ill. Speed control means for projectors. 2,256,818; Sept. 23.
Splaine, Edward M., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 2,256,501; Sept. 23.
Splaine, Edward M., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 2,256,502; Sept. 23.
Sprung, Abraham. (See Feingold, Samuel, assignor.)
Spurgeon, Neil B., River Forest, and J. H. Cahill, Wheaton, assignors to Sears, Roebuck and Co., Chicago, Ill. Twin compressor unit. 2,256,654; Sept. 23.
Squires, Lloyd H., Olathe, Kans. Lawn mower. 2,256,531; Sept. 23.
Squires, Lloyd H., Olathe, Kans. Power lawn mower. 2,256,583; Sept. 23.
Stableford, John L., London, England. Projection screen for cinematography, television, stereoscopy, and like purposes. 2,256,692; Sept. 23.
Stagg, Irving, Garden City, Mich. Corner protecting plate for structural building blocks. 2,256,967; Sept. 23.
Stam, Jesse, Newton Center, assignor to Fairclough & Gold, Inc., Boston, Mass. Curtain. 2,256,992; Sept. 23.
Standard Development Company. (See Wright, Donald L., assignor.)
Standard Oil Development Co. (See Barr, Frank T., assignor.)
Standard Oil Development Company. (See Buc, Hyym E., assignor.)
Standard Oil Development Company. (See Ellis, Carleton, assignor.)
Standard Oil Development Company. (See Hederhorst, Fred, assignor.)
Standard Oil Development Company. (See Murphree, Eger V., assignor.)
Standard Oil Development Company. (See Murphree, E. V., and Peck, assignors.)
Standard Oil Development Company. (See Rosen, Raphael, assignor.)
Stansell, Earl E. (See Bishop, Homer L., assignor.)
Stearns Magnetic Mfg. Co. (See Stearns, Roswell H., assignor.)
Stearns, Roswell H., Wauwatosa, assignor to Stearns Magnetic Mfg. Co., Milwaukee, Wis. Magnetic separator. 2,256,728; Sept. 23.
Steele, Robert E., Pomona, Calif. Recapping process. 2,256,631; Sept. 23.
Steeple, Reginald C., San Mateo, Calif. Ornament. 2,256,584; Sept. 23.
Steiner, Max, River Edge, N. J. Tying machine. 2,256,532; Sept. 23.
Sterling, Bernard A., Chicago, Ill. Hair curler. 2,256,819; Sept. 23.
Stern, Milton C., assignor to The Egry Register Company, Dayton, Ohio. Manifolding stationery. 2,256,585; Sept. 23.
Stevens, Gus D., Norcross, Ga. Swing. 2,256,955; Sept. 23.
Steward, Walter. (See Mossman, H. M., and Steward.)
Stewart, Charles M., Jr., Eccleston, assignor to The Baltimore Salesbook Company, Baltimore, Md. Sales book. 2,256,956; Sept. 23.
Stewart, Duncan J., assignor to Barber-Colman Company, Rockford, Ill. Thermostatic control. 2,256,503; Sept. 23.
Stewart, Edward T., assignor of one-half to S. Bublick, St. Paul, Minn. Road sanding machine. 2,256,655; Sept. 23.
Stewart, Frank P., Salt Lake City, Utah. Gold concentrator. 2,256,504; Sept. 23.
Stewart, Luther M. (See Johnson, B. V., and Stewart.)
Stillwater Worsted Mills. (See Eastman, Walter S., assignor.)
Stillwater Worsted Mills. (See Eastman, W. S., and Patterson, assignors.)
Stillwater Worsted Mills. (See Patterson, Richard, assignor.)
Stolberger Zink Aktiengesellschaft für Bergbau und Huttenbetrieb et al. (See Thede, Johannes, assignor.)
Stoos, Joseph A. (See Cornell, E. S., Killian, and Stoos.)
Story, Le Roy G., White Plains, assignor to The Texas Company, New York, N. Y. Motor fuel. 2,257,079; Sept. 23.
Strassberger Lothar. (See Serini, A., Strassberger, and Butenandt.)
Strickland, Barney R. (See Hass, H. B., and Strickland.)
Stubbs, Harold V. G. (See Gaut, G. C., Huggins, Swaddle, and Stubbs.)
Studebaker Corporation, The. (See Onishi, G. E., and Norman, assignors.)
Sugarwater, Harold, assignor of one-fourth to C. Mann and fifteen percent to H. Blech, Chicago, Ill. Automatic gear shift mechanism. 2,256,929; Sept. 23.
Suss, David. (See Freeman, M., and Suss.)
Svenska Aktiebolaget Gasaccumulator. (See Dalén, G., and Björklund, assignors.)
Swabacker, John E. B., Chicago, Ill. Blood transfusion device. 2,256,656; Sept. 23.
Swabacker, John E. B., Chicago, Ill. Parenteral injection unit. 2,256,657; Sept. 23.
Swaddle, Donald. (See Gaut, G. C., Huggins, Swaddle, and Stubbs.)
Sweet, Albert A., assignor to Sweet Neckwear Company, Dallas, Tex. Tie forming device. 2,256,632; Sept. 23.
Sweet Neckwear Company. (See Sweet, Albert A., assignor.)
Szauer, Sandor, Budapest, Hungary. Shoe sole. 2,257,026; Sept. 23.
Taggart, James A., assignor, by mesne assignments, to The Tri-Graph Company, Chicago, Ill. Manifolding device. 2,256,533; Sept. 23.
Taylor, George W., Jr. (See Taylor, George W., Sr., assignor.)
Taylor, George W., Sr., assignor of one-half to G. W. Taylor, Jr., Cut Bank, Mont. Well pump operating apparatus. 2,256,599; Sept. 23.
Taylor, Roy J., Lorain, and W. F. O'Neil, Port Clinton, Ohio, assignors, by mesne assignments, of three-fourths to The Celotex Corporation, Chicago, Ill., and one fourth to said Taylor. Fastener for building board or the like. 2,256,658; Sept. 23.
Taylor, Thomas K., Berlin, Md. Fishing line sinker. 2,256,768; Sept. 23.
Tefag Textil-Finanz A. G. (See Pfarrwaller, Erwin, assignor.)
Teti-Apparatebau Dr. Daniel K.-G. (See Daniel, Karl, assignor.)
Tennessee Stove Works. (See Rawlings, Ben M., assignor.)
Texaco Development Corporation. (See Goldsby, A. R., and Van Gundy, assignors.)
Texas Company, The. (See Goldsby, Arthur R., assignor.)
Texas Company, The. (See Story, Le Roy G., assignor.)
Texas Company, The. (See Turner, Edgar J., assignor.)
Texas Company, The. (See Yarnall, Willis A., assignor.)
Thayer Company. (See Troendle, William C., assignor.)
Thede, Johannes, Stolberg, assignor to Stolberger Zink Aktiengesellschaft für Bergbau und Huttenbetrieb, Aachen, and Metallgesellschaft Aktiengesellschaft, Frankfort-on-the-Main, Germany. Zinc liquation. 2,257,085; Sept. 23.
Thomas, Arthur, Wallington, assignor to Powers Accounting Machines Limited, London, England. Paper feeding mechanism for satistical machines. 2,256,693; Sept. 23.
Thomas, Earl R. (See Davidson, W. F., and Thomas.)
Thompson Manufacturing Company. (See Thompson, Walter Van E., assignor.)
Thompson, Walter Van E., assignor to Thompson Manufacturing Company, Los Angeles, Calif. Multiple jet sprinkler. 2,256,729; Sept. 23.
Thompson, Marvin R., Great Neck, assignor to William R. Warner & Company, Inc., New York, N. Y. Cosmetic. 2,256,505; Sept. 23.
Thomson, McLeod, Atlantic City, N. J., assignor to The Thomson Rail Corporation. Modified T-rail. 2,257,027; Sept. 23.
Thomson Rail Corporation, The. (See Thomson, McLeod, assignor.)
Thrasher, Leo R., San Jon, N. Mex. Deep well pump motor. 2,256,659; Sept. 23.
Tjaden, Alex S., Edna, Tex. Massaging device. 2,256,534; Sept. 23.

Trautvetter, George, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Vehicle body construction and fabrication. 2,256,837; Sept. 23.

Trautvetter, George, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Trim strip for vehicle bodies. 2,256,883; Sept. 23.

Traynor, Roberto, Buenos Aires, Argentina. Flask tray with a mechanical stopper lifter and a means for delivering a predetermined volume of liquid. 2,256,957; Sept. 23.

Tri-Graph Company, The. (See Taggart, James A., assignor.)

Troendle, William C., assignor to Thayer Company, Gardner, Mass. Prop front for carriages. 2,256,730; Sept. 23.

Trumbull Electric Manufacturing Company, The. (See Rowe, Raymond N., assignor.)

Tuley, Charles B., Glenolden, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Condenser. 2,256,535; Sept. 23.

Turley, Patrick H., Chattanooga, Tenn., assignor of one-half to W. E. Dellinger, Rome, Ga. Chenille tufting attachment for sewing machines. 2,256,633; Sept. 23.

Turner, Edgar J., Santa Paula, Calif., assignor to The Texas Company, New York, N. Y. Drill pipe cleaner. 2,257,080; Sept. 23.

Turner, Vernon E. (See Foltin S., and Turner.)

Tuttle, Wainwright, Bridgeport, Conn. Lather fount. 2,256,694; Sept. 23.

Udy, Marvin J., Niagara Falls, N. Y. Concentrating of chromium-bearing ores. 2,256,536; Sept. 23.

Union Metal Manufacturing Company, The. (See Riemenschneider, Edmund W., assignor.)

Union Switch & Signal Company. (See Snavely, Clarence S., assignor.)

United Gas Improvement Company, The. (See Soday, Frank J., assignor.)

United Shoe Machinery Corporation. (See Brostrom, Charles G., assignor.)

Ural-Maschinen-Vertriebegesellschaft m. b. H. (See Fritz, Oswald R., assignor.)

Utzler, Elmer S., Pittsburgh, and M. A. Schlienger, Bellevue, assignors to Pressed Steel Car Company, Inc., Pittsburgh, Pa. Steel cribbing. 2,256,911; Sept. 23.

Van der Willigen, Paul C. (See de Boer, J. H., Sack, and van der Willigen.)

Van Gundy, John C. (See Goldsby, A. R., and Van Gundy.)

Van Riel, Pieter, assignor to N. V. Machinefabriek "Reineveld", Delft, Netherlands. Horizontal centrifugal machine. 2,256,951; Sept. 23.

Van Slyke, John C., deceased, L. C. Van Slyke, administrator, assignor to J. A. Van Slyke, Washington, D. C. Escapement mechanism for sustained power clock and bearing material for clocks generally. 2,256,600; Sept. 23.

Van Slyke, L. Clair, administrator. (See Van Slyke, John C., assignor.)

Van Vleet, James G., Kenmore, N. Y., assignor to The Linde Air Products Company. Heat exchange structure. 2,256,993; Sept. 23.

Veale, George W., Grass Lake, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Anode salvaging. 2,256,820; Sept. 23.

Verdi Bros. Cooperage Company. (See Mullen, James C., assignor.)

Visser, John, Grand Rapids, assignor, by mesne assignments, to Reconstructions Finance Corporation, Detroit, Mich. Ash receptable. 2,256,874; Sept. 23.

Vulcan Steel Tank Corporation. (See McKelvey, James F., assignor.)

Wade, Elmer J., Pittsfield, Mass., assignor to General Electric Company. Automatic steering system. 2,256,875; Sept. 23.

Wagner, Melvin, assignor to Thomas M. Royal & Company, Philadelphia, Pa. Method and apparatus for making bags. 2,256,506; Sept. 23.

Waldes Koh-I-Noor, Inc. (See Soave, John G., assignor.)

Walker, Jay P., assignor of forty percent to G. O. Marchant and six percent to C. G. Wells, Tulsa, Okla. Treatment of oil, water, and gas mixtures. 2,256,695; Sept. 23.

Walker, William K., assignor, by mesne assignments, to American Radiator & Standard Sanitary Corporation, New York, N. Y. Temperature control system. 2,256,797; Sept. 23.

Waltman, Adolf E. (See Johansen, E. K., and Waltman.)

Warner Bros. Pictures, Inc. (See Gibbons, James A., assignor.)

Warner, William R., & Company. (See Thompson, Marvin R., assignor.)

Warshaw, Arthur H., Kansas City, Mo. Apparatus for relieving constipation. 2,256,994; Sept. 23.

Watts, Gerald F., Crooksville, Ohio. Machine for dispensing molding material to molds. 2,256,660; Sept. 23.

Webb, Louis A., Pasadena, Calif. Basting clamp. 2,256,634; Sept. 23.

Weber, Charles G., Arlington, Va., and M. N. Gelb, Washington, D. C., assignors to the Government of the United States, as represented by the Secretary of Commerce. Apparatus for conditioning paper. 2,256,507; Sept. 23.

Weber, Herman, assignor to Shakespeare Products Company, Kalamazoo, Mich. Remote control. 2,256,696; Sept. 23.

Weber, Herman, assignor to Shakespeare Products Company, Kalamazoo, Mich. Remote control. 2,256,697; Sept. 23.

Webster Electric Company. (See Kleckner, Arthur C., assignor.)

Weinstein, Abraham S., Brighton, Mass. Flashing. 2,256,508; Sept. 23.

Weir, G. & J. Limited. (See Hillier, Harold, assignor.)

Welch, Elmer B., McKeesport, Pa., assignor to Firth-Sterling Steel Company. Manufacture of wire-drawing dies. 2,256,912; Sept. 23.

Welch, Elmer B., McKeesport, Pa., assignor to Firth-Sterling Steel Company. Manufacture of wire-drawing dies. 2,256,913; Sept. 23.

Wells, C. G., et al. (See Walker, Jay P., assignor.)

Welty, Albert B., Moline, Ill., assignor to International Harvester Company. Grain tank for harvester-threshers. 2,256,821; Sept. 23.

West, Thomas M., Dorchester, Nebr. Power take-off mechanism for tractor. 2,256,601; Sept. 23.

Westerkamp, Hugo, Cologne-Braunsfeld, Germany. Sound recorder for sound tapes. 2,257,028; Sept. 23.

Westinghouse Electric & Manufacturing Company. (See Tuley, Charles B., assignor.)

West Tire Setter Company, The. (See Gup, David, assignor.)

Westinghouse Electric & Manufacturing Company. (See Bryant, Ozro N., assignor.)

Westinghouse Electric & Manufacturing Company. (See Schmidt, Henry F., assignor.)

Westinghouse Electric & Manufacturing Company. (See Schwendner, Anthony F., assignor.)

Whalen, John N. (See Morgan, M., and Whalen.)

Whitcomb, Herbert H., Littleton, Mass. Cattle food and preparing same. 2,256,914; Sept. 23.

White, Curtice C., Johnsville, assignor to The Electric Storage Battery Company, Philadelphia, Pa. Manufacture of storage battery electrodes. 2,257,018; Sept. 23.

Whitelaw, Albert. (See Kuzmick, Joseph N., and Whitelaw.)

Whitin Machine Works. (See Nelson, Harmon O., assignor.)

Whitin Machine Works. (See Schlums, Otto W., assignor.)

Whitman, Vernon E., assignor to The Folmer Graflex Corporation, Rochester, N. Y. Universal type camera. 2,257,081; Sept. 23.

Wiegand, Edwin L. (See Fox, Thomas M., assignor.)

Wiken, Ralph. (See Schmitter, W. P., and Wiken.)

Wildhaber, Ernest, assignor to Gleason Works, Rochester, N. Y. Tool for finishing tapered gears and finishing such gears. 2,256,586; Sept. 23.

Wilhelm, Otto U. G., Los Angeles, Calif. Product treating device. 2,256,915; Sept. 23.

Willard, Donald E., Danville, Ill. Joint. 2,256,930; Sept. 23.

Wilshire, Van Hamm, assignor to The Specialty Papers Company, Dayton, Ohio. Laminating paper. 2,256,916; Sept. 23.

Winograd, Harold, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electric valve control system. 2,256,755; Sept. 23.

Winther, George C., assignor to Diamond Iron Works, Incorporated, Minneapolis, Minn. Forming and segregating rock chips from aggregates. 2,256,731; Sept. 23.

Winthrop Chemical Company. (See Auhagen, Ernst, assignor.)

Wochner, Henry, Rock Island, Ill. Wheel aligning instrument. 2,256,968; Sept. 23.

Wolwode, Carl, Yonkers, and A. Cohen, New York, N. Y. Scented fabricated article. 2,256,917; Sept. 23.

Wolfe, Harry H. (See Heimberger, W. W., and Wolfe.)

Wolfskill, John M., assignor to Bliley Electric Company, Erie, Pa. Piezoelectric crystal oscillator. 2,256,931; Sept. 23.

Wolfskill, John M., assignor to Bliley Electric Company, Erie, Pa. Piezoelectric crystal apparatus. 2,256,932; Sept. 23.

Wolfson, Sidney L., assignor to P. E. Ashton, Meriden, Conn. Electric cigar lighter. 2,256,876; Sept. 23.

Wolfram, William S., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Clutch driven plate. 2,256,698; Sept. 23.

Wollheim, Ernst, Lund, Sweden. Obtaining a substance lowering the blood pressure. 2,256,933; Sept. 23.

Wood, Joseph K., Providence, R. I., assignor to General Spring Corporation, New York, N. Y. Spring device. 2,256,784; Sept. 23.

Wright, Donald L., Westfield, N. J., assignor to Standard Oil Development Company. Processing with nonstaining compounds. 2,256,603; Sept. 23.

Wulle, William A., Chicago, Ill., assignor to W. A. Wulle, as trustee. Circuit breaker attachment plug. 2,256,537; Sept. 23.

Wurlitzer, Rudolph, Company, The. (See Brinkert, Carroll A., assignor.)

Yankee Metal Products Corp. (See Reed, Daniel E., assignor.)

Yarnall, Willis A., Beacon, assignor to The Texas Company, New York, N. Y. Treatment of hydrocarbons. 2,257,082; Sept. 23.

Yeakel, George L., Norristown, assignor to E. J. Lavino and Company, Philadelphia, Pa. Control apparatus for molding presses. 2,256,798; Sept. 23.

Young, Arthur M., Paoli, Pa. Aircraft and means for stabilizing the same. 2,256,635; Sept. 23.

Young, Arthur M., Paoli, Pa. Aircraft. 2,256,918; Sept. 23.

Young, George, Washington, D. C. Floor cleaning machine. 2,256,509; Sept. 23.

Young, Myrtle M., Lincoln, Nebr. Diaper. 2,256,510; Sept. 23.

Young, Thomas, Nurseries, Inc. (See Freudenberg, Werner, assignor.)

Zenner, George H. (See Kornemann, H. C., and Zenner.)

Zimmermann, Charles, Cincinnati, Ohio. Thread cutting tool. 2,257,029; Sept. 23.

Zobel, Theodore, Brunswick-Lehndorf, assignor to Luftfahrtforschungsanstalt Hermann Göring, Brunswick, Germany. System for investigating density fields. 2,256,855; Sept. 23.

Zwald, Nicholas, Philadelphia, Pa. Clothesline support and holder. 2,256,856; Sept. 23.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 23D DAY OF SEPTEMBER, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Building construction. S. F. Nielsen and F. Bostad. Re. 21,905; Sept. 23.

Light polarizers, Laminated. E. H. Land. Re. 21,904; Sept. 23.

Molding press, Plastic extrusion. V. S. Shaw. Re. 21,906; Sept. 23.

Strapping material for binding or securing boxes, bales, parcels, and other packages and manufacturing the same. H. Brennelsen. Re. 21,903; Sept. 23.

LIST OF PLANT INVENTIONS

Chrysanthemum plant. J. M. Good. 490; Sept. 23.

Chrysanthemum plant. A. Kramer. 489; Sept. 23.

LIST OF DESIGN INVENTIONS

Atomizer. F. A. Vuillemenot. 129,661; Sept. 23.
Atomizer or the like. F. A. Vuillemenot. 129,662; Sept. 23.
Automobile. R. S. Roberts. 129,618–19; Sept. 23.
Badge or the like. J. F. Feeney. 129,581; Sept. 23.
Battery box. R. Reppert. 129,617; Sept. 23.
Battery cover, Storage. J. J. Demko. 129,602; Sept. 23.
Bedstead. L. Jiranek. 129,589; Sept. 23.
Boot. G. E. Bergman. 129,630; Sept. 23.
Boot, Rubber. G. H. Bingham, Jr. 129,601; Sept. 23.
Bouquet, Artificial. N. Roberts. 129,596; Sept. 23.
Bottle. C. Forgue. 129,604; Sept. 23.
Bracelet. G. Verrecchio. 129,610; Sept. 23.
Bracelet. G. Verrecchio. 129,612; Sept. 23.
Bracelet or similar article. R. De Rosa. 129,635; Sept. 23.
Bracelet or the like. L. C. Mark. 129,638; Sept. 23.
Brooch or similar article. G. Verrecchio. 129,611; Sept. 23.
Brooch or similar article. H. Weiner. 129,663; Sept. 23.
Buffet. L. Jiranek. 129,585–6; Sept. 23.
Cabinet, Carburetor flow testing. A. C. Korte. 129,637; Sept. 23.
Cabinet, Heater. J. Teague, Jr. 129,627; Sept. 23.
Case, Key. B. Stiller. 129,626; Sept. 23.
Casing or the like, Valve. H. Dreyfuss. 129,649; Sept. 23.
Clip, Bill. E. Foret. 129,615; Sept. 23.
Clip or similar article, Lapel. C. A. Jakobb. 129,654; Sept. 23.
Clip, Pin. A. Phillippe. 129,650; Sept. 23.
Coffee maker. R. F. Krause and O. Mankki. 129,591; Sept. 23.
Desk unit, Combination. J. F. Donaldson. 129,614; Sept. 23.
Dress. B. Axelrad. 129,676; Sept. 23.
Dress. M. Brucato. 129,677; Sept. 23.
Dress. C. Charles. 129,665–6; Sept. 23.
Dress. C. Charles. 129,678; Sept. 23.
Dress. E. M. Ciccone. 129,679; Sept. 23.
Dress. E. Cutler. 129,680–2; Sept. 23.
Dress. H. E. Foss. 129,650; Sept. 23.
Dress. T. Fritz. 129,683; Sept. 23.
Dress. J. Goldman. 129,686; Sept. 23.
Dress. I. Goldstein. 129,687; Sept. 23.
Dress. L. Hoshafian. 129,667–8; Sept. 23.
Dress. L. Hoshafian. 129,689; Sept. 23.
Dress. S. Kuznetz. 129,669; Sept. 23.
Dress. M. Lynn. 129,691; Sept. 23.
Dress. J. Richards. 129,670–1; Sept. 23.
Dress. B. Roth. 129,672; Sept. 23.
Dress. A. Ruchman. 129,692–3; Sept. 23.
Dress. D. R. Sadowsky. 129,673; Sept. 23.
Dress. G. Schulman. 129,674; Sept. 23.
Dress. M. Wolff. 129,675; Sept. 23.
Dress. S. Zahn. 129,694–6; Sept. 23.
Dress ensemble. A. Gershuny. 129,684–5; Sept. 23.
Dress ensemble. A. Henry. 129,688; Sept. 23.
Drip collectors for marine carburetors or the like. F. Kraissl, Jr. 129,690; Sept. 23.
Fabric, Textile. M. Christen. 129,643–6; Sept. 23.
Fabric, Textile. J. Liberman. 129,605; Sept. 23.
Fabric, Textile. S. B. Schaeffer. 129,608–9; Sept. 23.
Fabric, Textile. S. B. Schaeffer. 129,660; Sept. 23.
Fabric, Textile. I. Weinstein. 129,664; Sept. 23.
Font of type. W. Chappell. 129,613; Sept. 23.
Foot rest and magazine rack, Combination. H. M. Juhlin. 129,590; Sept. 23.
Generator for producing radium activity. S. C. Bryan. 129,634; Sept. 23.
Glass, Sand. C. P. Shinn, Jr. 129,597; Sept. 23.
Globe and panel for a lighting fixture, Combined. E. C. Zimmerman. 129,640; Sept. 23.
Grill, Broiler. J. F. Hennessy. 129,652–3; Sept. 23.
Guard or the like, Chicken. D. Elsen. 129,580; Sept. 23.
Hamper, Single strip. W. Fein. 129,603; Sept. 23.
Heel. A. Ausubel. 129,576–7; Sept. 23.
Holder, Condiment. H. W. Kruse. 129,656; Sept. 23.
Holder or similar article, Combined vase and candle. W. L. Orme. 129,657; Sept. 23.
Lamp, Fluorescent display. H. Dreyfuss. 129,636; Sept. 23.
Lens, Lamp. R. Cadwallader. 129,641–2; Sept. 23.
Mitten. B. Ginsberg. 129,651; Sept. 23.
Necklace or the like. L. C. Mark. 129,639; Sept. 23.
Newel post and score table for bowling alleys, Combination. A. Reiss. 129,594; Sept. 23.
Newel posts for bowling alleys. A. Reiss. 129,595; Sept. 23.
Panel for an amusement device. N. L. Roberts. 129,607; Sept. 23.
Panel for manifold vacuum testing machines, Indicating. W. L. Smedley. 129,599; Sept. 23.
Pin. I. Apisdorf. 129,628–9; Sept. 23.
Pinking machine. V. J. Sigoda. 129,598; Sept. 23.
Plate or article of similar nature, Glass. A. J. Dreitzer. 129,647; Sept. 23.
Pocket knife. G. Di Nezza. 129,579; Sept. 23.
Protractor and rule, Combined. G. S. Grant. 129,583; Sept. 23.
Range timer and condiment holder, Combined. H. W. Kruse. 129,655; Sept. 23.
Range timer and condiment holder, Combined. E. D. Pellegrin. 129,658; Sept. 23.
Razor blade, Safety. L. C. Guertin. 129,584; Sept. 23.
Rifle, Air. W. A. Tratsch. 129,620; Sept. 23.
Sewing machine frame. N. Wonnacott. 129,622; Sept. 23.
Sewing machine frame, Floor-type. N. Wonnacott. 129,621; Sept. 23.
Shaker, Condiment. W. H. Bowers. 129,631; Sept. 23.
Shaker holder, Condiment. W. H. Bowers. 129,633; Sept. 23.
Shaker set, Condiment. W. H. Bowers. 129,632; Sept. 23.
Shoe. D. C. Glassie. 129,616; Sept. 23.
Shoe. R. Maling. 129,593; Sept. 23.
Shoe heel. J. Bolten and R. H. Goldbaum. 129,578; Sept. 23.
Sign or similar article. J. K. Franks. 129,582; Sept. 23.
Spoon or similar article. G. M. Latshaw. 129,592; Sept. 23.
Stand, Illuminated display. H. Dreyfuss. 129,648; Sept. 23.
Toy, Dancing figure. R. L. Paxton. 129,606; Sept. 23.
Toy, Sounding. A. J. Szabo. 129,600; Sept. 23.
Valve. H. Dreyfuss. 129,625; Sept. 23.
Vanity. L. Jiranek. 129,587–8; Sept. 23.
Vanity or similar article. N. N. Craley. 129,623–4; Sept. 23.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 23D DAY OF SEPTEMBER, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive articles of resin bonded abrasive grains, Making. S. S. Kistler and C. E. Barnes. 2,256,618; Sept. 23.
Actuating mechanism, particularly for reflex cameras, Shutter. E. S. Hineline. 2,257,012; Sept. 23.
Air conditioning. R. B. P. Crawford. 2,256,940; Sept. 23.
Air conditioning apparatus. J. McElgin. 2,256,566; Sept. 23.
Aircraft. A. M. Young. 2,256,918; Sept. 23.
Aircraft and stabilizing the same. A. M. Young. 2,256,635; Sept. 23.
Aircraft hanger construction. G. W. Hebblewhite. 2,257,053; Sept. 23.
Alkylation process. F. Hederhorst. 2,256,615; Sept. 23.
Alloy: *See*—
Copper-zinc alloy.
Altimeter. A. Alford. 2,256,539; Sept. 23.
Aluminum wool, Making. C. E. Galvin. 2,256,923; Sept. 23.
Amplifier, Dual channel. M. Artzt. 2,256,512; Sept. 23.
Amplifier, Power. G. Barth. 2,257,031; Sept. 23.
Ampoules, Washing. J. H. Brewer. 2,256,663; Sept. 23.
Amusement device. T. L. Duffy. 2,256,862; Sept. 23.
Animal glandular product and producing the same. W. D. Allers. 2,256,920; Sept. 23.
Anode salvaging. G. W. Veale. 2,256,820; Sept. 23.
Antenna, Directional. D. G. C. Luck. 2,256,619; Sept. 23.
Antenna system for radio receiving sets. E. Hauser. 2,256,803; Sept. 23.
Apparatus for conditioning paper. C. G. Weber and M. N. Geib. 2,256,507; Sept. 23.
Apparatus for destroying acid flame in internal combustion motor gases. A. W. Reed. 2,256,950; Sept. 23.
Apparatus for feeding cloth samples from a supply thereof in a magazine. K. Schubert. 2,256,852; Sept. 23.
Apparatus for making fluid couplings. A. Michalloff. 2,256,988; Sept. 23.
Apparatus for making trimmings. C. Seaman. 2,256,792; Sept. 23.
Apparatus for manipulating metal coils. L. Eddy, R. E. Comtois, and A. R. Keller. 2,256,975; Sept. 23.
Apparatus for recovering rock wool. W. E. Carson. 2,256,665; Sept. 23.
Apparatus for relieving constipation. A. H. Warshaw. 2,256,994; Sept. 23.
Apparatus for the production of tapered metal sections by extrusion. H. Bothmann. 2,256,545; Sept. 23.
Apparatus for tobacco treatment. H. L. Smith, Jr., and L. N. Jones. 2,256,954; Sept. 23.
Apparatus for use in treatment of photoengraving plates, and photolithographic plates. J. A. Christman. 2,256,825; Sept. 23.
Applicator band. J. L. Mikesell. 2,256,683; Sept. 23.
Arm rest for motor vehicles. A. P. Fall. 2,256,944; Sept. 23.
Ash receptacle. J. Visser. 2,256,874; Sept. 23.
Attachment for harvester-threshers, Pick-up. B. M. Hyman. 2,256,829; Sept. 23.
Attachment for rib knitting machines. L. A. Morin. 2,256,525; Sept. 23.
Attachment for vehicle door locks, Illuminating. E. E. Greenlees. 2,256,670; Sept. 23.
Automatic gate. J. L. Blaker. 2,256,662; Sept. 23.
Automobile hood latch. K. E. Brubaker. 2,256,465; Sept. 23.
Automotive suspension. R. H. Phelps. 2,256,749; Sept. 23.
Awning. A. Bruns. 2,256,609; Sept. 23.
Awning, Ventilated. W. F. Crawford. 2,256,941; Sept. 23.
Bag: *See*—
Golf bag.
Bag closing machine. M. A. Nicolas. 2,256,526; Sept. 23.
Bag holder. B. B. Johnson and L. M. Stewart. 2,257,058; Sept. 23.
Baler, Pickup. A. E. W. Johnson. 2,256,830; Sept. 23.
Barrel locking ring. C. B. Dale. 2,257,039; Sept. 23.
Barrel rifling means. E. B. F. Schneck. 2,256,817; Sept. 23.
Base for swivel chairs and the like. J. R. Jones. 2,256,677; Sept. 23.
Basting clamp. L. A. Webb. 2,256,634; Sept. 23.
Battery terminal. A. Johnson. 2,257,013; Sept. 23.
Bearing. A. B. Merrill. 2,256,647; Sept. 23.
Bearing. R. J. S. Pigott. 2,256,783; Sept. 23.
Beverage dispenser. H. R. Perlick. 2,257,070; Sept. 23.
Bicycle carrier. F. W. Schwinn. 2,256,629; Sept. 23.
Binder, Spiral. E. N. Farkas. 2,257,003; Sept. 23.
Blade for rotary machines operated by high temperature media. H. Holzwarth. 2,256,479; Sept. 23.
Blade injecting device for safety razors. Z. Auerbach. 2,256,543; Sept. 23.
Blasting plug. H. M. Mossman and W. Steward. 2,257,063; Sept. 23.
Bleeder fitting for brake cylinders. C. R. Carlin. 2,256,516; Sept. 23.
Block: *See*—
Plywood floor block.
Blood pressure, Process for obtaining a substance lowering the. E. Wollheim. 2,256,933; Sept. 23.
Blood transfusion device. J. E. B. Swabacker. 2,256,656; Sept. 23.
Board: *See*—
Drawing board. Trimming board.
Book cover and easel, Combined. J. Bauer. 2,256,513; Sept. 23.
Book, Sales. C. M. Stewart, Jr. 2,256,956; Sept. 23.
Bowstave or the like. H. Hill. 2,256,946; Sept. 23.
Box: *See*—
Gas outlet box. Rolling mill guide box.
Box. F. P. Andres. 2,256,995; Sept. 23.
Box. W. R. Slack and C. E. Lomax. 2,256,928; Sept. 23.
Bracket: *See*—
Orthodontic bracket.
Brake: *See*—
Disk brake. Hydrostatic brake.
Hydraulic brake.
Brake control device. A. H. Adcox. 2,256,934; Sept. 23.
Broach, Stripping. W. J. Phaneuf. 2,256,673; Sept. 23.
Brooder. L. Hawkins. 2,256,476; Sept. 23.
Brush construction. I. M. Lecker. 2,256,983; Sept. 23.
Building unit and construction. C. F. Davis. 2,257,001; Sept. 23.
Building unit and interlock therefor. O. Schroeder. 2,256,791; Sept. 23.
Bung bush. J. C. Mullen. 2,256,906; Sept. 23.
Button loop having a tipping strap-binding-and-release slides, Wire. G. H. Elwell. 2,257,073; Sept. 23.
Cabinet: *See*—
Kitchen cabinet.
Cable support. H. E. Miller. 2,256,596; Sept. 23.
Calculating machine. H. T. Avery. 2,256,799; Sept. 23.
Camera. A. H. Cohen. 2,256,517; Sept. 23.
Camera, Self-developing. L. M. Klein. 2,256,981; Sept. 23.
Camera, Universal type. V. E. Whitman. 2,257,061; Sept. 23.
Can: *See*—
Ice forming can.
Can orienting mechanism. H. J. Paynter. 2,256,490; Sept. 23.
Cane car. A. C. Schmohl. 2,257,016; Sept. 23.
Car: *See*—
Cane car.
Car construction. A. C. Schmohl. 2,257,017; Sept. 23.
Car underframe and coupler. W. W. Heimberger and H. H. Wolfe. 2,256,774; Sept. 23.
Carpenter's tool. B. Epstein. 2,256,554; Sept. 23.
Carbon-dioxide from flue gases, Recovering. G. T. Reich. 2,256,962; Sept. 23.
Carrier: *See*—
Bicycle carrier.
Carton. I. Nutt. 2,256,723; Sept. 23.
Carton cutter. L. P. Shield. 2,256,630; Sept. 23.
Carton, Egg. L. Schwartzberg. 2,256,652; Sept. 23.
Case, display carton, and the like. R. Graebener. 2,256,977; Sept. 23.
Cast article. R. Franks. 2,256,614; Sept. 23.
Cattle food and preparing same. H. H. Whitcomb. 2,256,914; Sept. 23.
Ceiling washer. H. J. Likshis. 2,256,986; Sept. 23.
Centrifugal machine, Horizontal. P. van Riel. 2,256,951; Sept. 23.
Chain press. R. F. Kreiter. 2,256,718; Sept. 23.
Chair construction. J. L. Cable. 2,256,893; Sept. 23.
Changing and adjusting device for harmonicas, Duplex tone. T. Machino. 2,256,682; Sept. 23.
Chromium-bearing ores, Concentrating of. M. J. Udy. 2,256,536; Sept. 23.
Cigar lighter, Electric. S. L. Wolfson. 2,256,876; Sept. 23.
Circuit: *See*—
Signal separator circuit.
Circuit breaker attachment plug. W. A. Wulle. 2,256,537; Sept. 23.

Clamp: *See*—
Basting clamp.
Clamp. P. Beck. 2,256,887; Sept. 23.
Clamp applying tool. R. W. Brown. 2,256,824; Sept. 23.
Clasp, Garment. W. E. Olmstead. 2,256,867; Sept. 23.
Cleaner: *See*—
Drill pipe cleaner. Storage tank cleaner.
Cleaning device, Wall paper. J. S. Lincoln. 2,256,744; Sept. 23.
Clevis, Strain insulator. J. B. Cook. 2,256,895; Sept. 23.
Closure, Container. H. H. Martin. 2,256,722; Sept. 23.
Closure mechanism for cartons and files. J. Mandel. 2,256,834; Sept. 23.
Clutch: *See*—
Friction clutch.
Poppetless synchronizing clutch.
Clutch. G. Hunt. 2,256,714; Sept. 23.
Clutch. C. Redford. 2,256,989; Sept. 23.
Clutch device. M. Pégard. 2,256,789; Sept. 23.
Clutch engaging mechanism. E. H. Hall. 2,257,006; Sept. 23.
Clutch mechanism. J. Darby. 2,256,826; Sept. 23.
Coating articles by cathode disintegration. B. Berghaus and W. Burkhardt. 2,256,771; Sept. 23.
Coating printing supports, Uniformly. R. Kaulen. 2,256,777; Sept. 23.
Coffee maker. H. F. Kors. 2,256,717; Sept. 23.
Coffeepot. T. J. Burke. 2,256,664; Sept. 23.
Coin detecting apparatus. J. F. Lindberg. 2,256,486; Sept. 23.
Coin holder. F. W. Norton 2,256,571; Sept. 23.
Communion kneeler cover. J. C. Jones. 2,256,979; Sept. 23.
Composition friction body, Molded. J. N. Kusmick and A. Whitelaw. 2,256,646; Sept. 23.
Composition of matter. M. R. Buffington. 2,257,083; Sept. 23.
Compression ignition engine. G. S. Kammer. 2,256,776; Sept. 23.
Compressor, Air. P. Sappington. 2,256,952; Sept. 23.
Compressor, Fluid. P. Maniscalco. 2,256,926; Sept. 23.
Compressor unit, Twin. N. B. Spurgeon and J. H. Cahill. 2,256,654; Sept. 23.
Condenser. C. B. Tuley. 2,256,535; Sept. 23.
Construction for doubled-walled insulated containers. H. C. Kornemann and G. H. Zenner. 2,256,679; Sept. 23.
Contact finger for switches. E. S. Cornell, S. C. Killian, and J. A. Stoos. 2,256,734; Sept. 23.
Container. D. A. Blakeney. 2,256,638; Sept. 23.
Container. E. L. Mott. 2,256,748; Sept. 23.
Control apparatus. J. L. Harris. 2,257,007; Sept. 23.
Control apparatus for molding presses. G. L. Yeakel. 2,256,798; Sept. 23.
Control assembly, Combination electrical. N. C. Schellenger. 2,256,628; Sept. 23.
Control device. G. T. McDonald. 2,256,833; Sept. 23.
Control system. M. J. Johnson. 2,256,760; Sept. 23.
Control system, Burner. B. E. Shaw. 2,256,766; Sept. 23.
Control system, Remote positional. E. F. Lazar. 2,256,787; Sept. 23.
Converter, Voltage. A. Bouwers. 2,256,859; Sept. 23.
Conveyer for the feeding of cigarettes or other rod shaped articles. F. F. Ruan. 2,256,598; Sept. 23.
Copper and product thereof, Treating. A. J. Phillips, A. A. Smith, Jr., and J. S. Smart, Jr. 2,256,492; Sept. 23.
Copper shapes, Producing flat-set. P. M. Hulme and R. A. Ghelardi. 2,256,481; Sept. 23.
Copper-zinc alloy. W. J. Müller and M. Niessner. 2,256,788; Sept. 23.
Cosmetic. M. R. Thompson. 2,256,505; Sept. 23.
Cosmetic holder. R. N. Houlihan. 2,256,644; Sept. 23.
Counter, Mechanical. L. S. Roberts. 2,256,581; Sept. 23.
Counterbalancing apparatus. R. W. Bier. 2,256,605; Sept. 23.
Coupling: *See*—
Hydraulic coupling. Pipe coupling.
Coupling and producing same, Wire. W. M. Anderson. 2,256,637; Sept. 23.
Coupling mechanism, Steering. A. H. Gustin, Jr. 2,256,557; Sept. 23.
Cover: *See*—
Communion kneeler cover.
Crankshaft construction. E. V. Rippingille. 2,256,726; Sept. 23.
Cribbing, Steel. E. S. Utzler and M. A. Schlienger. 2,256,911; Sept. 23.
Curler, Hair. B. A. Sterling. 2,256,819; Sept. 23.
Curtain. J. Stam. 2,256,992; Sept. 23.
Cutter: *See*—
Carton cutter.
Cutting mechanism. H. Z. Gora. 2,256,773; Sept. 23.
Decorative material. F. Kuhlman. 2,256,645; Sept. 23.
Decoy. J. A. Lundgren. 2,256,778; Sept. 23.
Decoys, Supporting. A. B. Johnson and G. J. Alajoki. 2,256,616; Sept. 23.
Deep well pump motor. L. R. Thrasher. 2,256,659; Sept. 23.
Depth control, Power. A. C. Lindgren and A. A. Scarlett. 2,256,811; Sept. 23.
Device for conjugating the rotations of rotating members. E. Bugatti. 2,257,034; Sept. 23.
Device for neutralising the inertia of vehicle bodies. D. A. Apostolos. 2,256,857; Sept. 23.
Device for trapping waste outlets. W. C. Groeniger. 2,256,758; Sept. 23.
Diaper. M. M. Young. 2,256,510; Sept. 23.
Die holder. G. H. Cote. 2,256,611; Sept. 23.
Dies, Manufacture of wire-drawing. E. B. Welch. 2,256,912–13; Sept. 23.
Disk brake. E. R. Pierce and G. K. Hause. 2,256,725; Sept. 23.
Dispenser: *See*—
Beverage dispenser. Liquid dispenser.
Dispensing device. D. Colvin. 2,256,550; Sept. 23.
Dispensing device and lighter, Cigarette. E. Kruk. 2,256,844; Sept. 23.
Display stand and sentinel tower, Combination. D. Barrack. 2,256,702; Sept. 23.
Door operating mechanism. P. R. Forman and R. D. Conklin. 2,256,613; Sept. 23.
Door, Transom-equipped. J. M. Scott. 2,256,854; Sept. 23.
Dough cutting and spreading machine, Baker's. R. W. Pittman. 2,256,927; Sept. 23.
Dough extruding machine. A. Kipnis. 2,256,617; Sept. 23.
Doughmaking process. D. A. Battiste. 2,256,936; Sept. 23.
Drain valve for laundry tubs. O. S. Burman. 2,256,891; Sept. 23.
Drawing board. A. F. Grosse. 2,257,005; Sept. 23.
Drill pipe cleaner. E. J. Turner. 2,257,080; Sept. 23.
Drive transmission, Dual. E. J. Dondlinger. 2,256,974; Sept. 23.
Driving arrangement for textile machines, especially for artificial silk, Thread guide. O. Bochmann. 2,256,858; Sept. 23.
Dye composition, Vat. J. G. Kern. 2,256,805–6; Sept. 23.
Dyeing with vat dyes. J. G. Kern. 2,256,807–8; Sept. 23.
Dynamoelectric machine. H. W. Schaffer. 2,256,870; Sept. 23.
Easel. B. Chadkin. 2,256,894; Sept. 23.
Electric furnace. L. Dreyfus. 2,256,518; Sept. 22.
Electric lighting generator for velocipedes. G. L. Schwab. 2,256,794; Sept. 23.
Electric liquid heater. F. R. Ackerman. 2,256,919; Sept. 23.
Electric pressure indicator. C. A. de Giers. 2,256,473; Sept. 23.
Electric resistance element. G. C. Gaut, B. F. Huggins, D. Swaddle, and H. V. G. Stubbs. 2,256,642; Sept. 23.
Electric switch device. J. Schmidinger. 2,256,499; Sept. 23.
Electrical apparatus. C. F. Nazett and E. C. Hardy. 2,256,489; Sept. 23.
Electrical apparatus, Intermittently operating. S. Feingold. 2,256,802; Sept. 23.
Electrical apparatus support. D. G. McArn and J. W. McDonald. 2,256,762; Sept. 23.
Electrical exploration of the subsurface. J. J. Jakosky. 2,256,742; Sept. 23.
Electrode for electrical determination of PH. H. H. Cary and W. P. Baxter. 2,256,733; Sept. 23.
Electrodes, Manufacture of storage battery. C. C. White. 2,257,018; Sept. 23.
Electrodes, Method and device for making aluminum. A. F. P. J. Claassen and J. D. de Vries. 2,256,860; Sept. 23.
Electron multiplier. H. G. Lubszynski and W. S. Brown. 2,256,523; Sept. 23.
Electroprocessing machine. A. H. Hannon. 2,256,560; Sept. 23.
Emulsion and preparing the same. W. D. Buckley. 2,256,886; Sept. 23.
Enclosed switch. R. N. Rowe. 2,256,910; Sept. 23.
End construction for rail cars. A. G. Dean. 2,257,084; Sept. 23.
Engine: *See*—
Compression ignition engine.
Engine shutdown device. H. E. Morrow. 2,257,062; Sept. 23.
Escapement mechanism for sustained power clock and bearing material for clocks generally. J. C. Van Slyke. 2,256,600; Sept. 23.
Escutcheon for motor vehicle door handles, remote door handles, and the like. A. W. Gowdy. 2,256,710; Sept. 23.
Esters of di halo propionic acid. M. A. Pollack. 2,257,021; Sept. 23.
Esters, Organic vanadium. W. H. Hill. 2,257,009; Sept 23.
Ethers and alkylated phenols, Manufacture of mixed phenol. C. Ellis. 2,256,612; Sept. 23.
Exterminator. O. Hoelscher. 2,256,561; Sept. 23.
Fabric and method, Knitted. W. L. Smith, Jr. 2,256,600–1; Sept. 23.
Fair-lead. F. P. Lawler. 2,256,982; Sept. 23.

Fastener: *See*—
Snap fastener.
Fastener for building board or the like. R. J. Taylor and W. F. O'Neil. 2,256,658; Sept. 23.
Fastening device, Eaves trough. J. W. Jennart. 2,256,843; Sept. 23.
Feeder. C. R. Livermon. 2,256,681; Sept. 23.
Ferroalloys, Production of. G. Hörgård. 2,256,901; Sept. 23.
Fibers and fabrics, Dyeing of polyvinyl halide-acetate copolymer. F. E. Petke and A. F. Klein. 2,257,076; Sept. 23.
Filing device. A. N. Hanna. 2,257,052; Sept. 23.
Filing equipment. E. Kern. 2,256,678; Sept. 23.
Filter: *See*—
Respiratory filter.
Fire extinguisher construction. C. K. Huthsing. 2,256,902; Sept. 23.
Fishing line sinker. T. K. Taylor. 2,256,768; Sept. 23.
Fishing reel. E. D. Clickner. 2,257,000; Sept. 23.
Fishing reel. H. A. Ray. 2,257,023; Sept. 23.
Flash remover. D. S. Harder. 2,256,558–9; Sept. 23.
Flashing. A. S. Weinstein. 2,256,508; Sept. 23.
Floodlight unit. R. E. Crossley. 2,257,038; Sept. 23.
Floor cleaning machine. G. Young. 2,256,509; Sept. 23.
Flooring, Wood. J. A. Potchen. 2,256,836; Sept. 23.
Flow device. C. S. Crickmer and J. J. Lane. 2,256,704; Sept. 23.
Fluid operated side lay. A. P. Battey and H. T. Backhouse. 2,256,823; Sept. 23.
Follow-up mechanism for indicating devices. E. Baumann. 2,256,661; Sept. 23.
Foodstuff packaging process. H. M. Scott. 2,256,764; Sept. 23.
Footwear, Article of. C. E. Hosker. 2,256,643; Sept. 23.
Formaldehyde solutions, Purifying and concentrating. B. M. Reynolds. 2,256,497; Sept. 23.
Foundry composition. N. J. Dunbeck. 2,256,943; Sept. 23.
Frame: *See*—
Heald frame. Trial frame.
Spinning frame. Vehicle chassis frame.
Friction bolster spring. W. G. Krauser. 2,256,485; Sept. 23.
Friction clutch. H. D. Geyer and G. Hunt. 2,256,708; Sept. 23.
Fruit, Method and apparatus for cleaning. J. A. Armstrong. 2,256,700; Sept. 23.
Fuel combustion. G. Dalén and G. E. Björklund. 2,256,785; Sept. 23.
Fuel control, Automatic. I. V. Brumbaugh, L. S. Kauffman, and H. C. Reinhart. 2,256,998; Sept. 23.
Fuel heating and vaporizing system for internal combustion engines. A. Finestone. 2,257,047; Sept. 23.
Fuel, Motor. R. Rosen. 2,256,627; Sept. 23.
Fuel, Motor. Le R. G. Story. 2,257,079; Sept. 23.
Fuel pump. A. C. Kleckner. 2,256,743; Sept. 23.
Furnace: *See*—
Electric furnace.
Furnace regulator. J. E. Haines. 2,256,840. Sept. 23.
Furniture, Knockdown. J. E. Bales. 2,256,996; Sept. 23.
Fuse for outlet connections. F. J. Klancnik. 2,256,716; Sept. 23.
Game apparatus. S. Foltin and V. E. Turner. 2,256,555; Sept. 23.
Garment, Aviation. J. R. C. Quilter and J. Gregory. 2,256,597; Sept. 23.
Garment hanger. R. M. Penning. 2,256,686; Sept. 23.
Gas outlet box. R. D. McIntosh. 2,256,780; Sept. 23.
Gasoline, Stabilizing cracked. W. W. Scheumann. 2,256,753; Sept. 23.
Gate: *See*—
Automatic gate.
Gauge: *See*—
Steel rule gauge.
Gear for ships' boats, Hand-propelling. I. R. and F. E. Fleming. 2,256,669; Sept. 23.
Gear shift mechanism, Automatic. H. Sugarwater. 2,256,929; Sept. 23.
Generator: *See*—
Steam generator.
Gold concentrator. F. P. Stewart. 2,256,504; Sept. 23.
Golf bag, All-purpose. W. B. Kirkpatrick and M. Coen. 2,256,521; Sept. 23.
Governing apparatus, Hydraulic. H. F. Schmidt. 2,256,963; Sept. 23.
Governing mechanism. O. N. Bryant. 2,256,970; Sept. 23.
Governor. A. C. Hoof. 2,256,467; Sept. 23.
Governor apparatus. A. F. Schwendner. 2,256,964; Sept. 23.
Governor, Centrifugal. H. J. Kirschner. 2,256,715; Sept. 23.
Grid, Ice tray. C. R. Carney. 2,256,703; Sept. 23.
Grinding mill. H. W. Hardinge. 2,256,841; Sept. 23.
Guide for sewing machines. Uncurling. H. Hacklander. 2,256,881; Sept. 23.
Guide support for winding spool. O. W. Schlums. 2,256,580; Sept. 23.
Guide, Thread. H. O. Nelson. 2,256,568; Sept. 23.
Guide, Uncurling. H. Hacklander. 2,256,672; Sept. 23.
Gynecologic instrument. E. H. Edwards. 2,256,602; Sept. 23.
Gyroscopic instrument, Balanced directional. O. E. Esval and J. Freitag. 2,256,475; Sept. 23.
Handle for crosscut saws. H. L. Hardisty. 2,256,842; Sept. 23.
Hanger: *See*—
Garment hanger.
Harrow. W. F. Hill. 2,256,593; Sept. 23.
Harvester and feeder. W. A. Johnson. 2,256,562; Sept. 23.
Harvesting machine, Root. H. Kamplade. 2,256,563; Sept. 23.
Hat decoration. C. T. Goodall. 2,256,866; Sept. 23.
Hat packing stay. J. G. Huye. 2,257,057; Sept. 23.
Heald frame. E. Pfarrwaller. 2,256,572; Sept. 23.
Heat exchange structure. J. G. Van Vleet. 2,256,993; Sept. 23.
Heat exchange system and apparatus. C. E. Meyerhoefer. 2,256,987; Sept. 23.
Heat exchanger. L. E. Sebald. 2,256,882; Sept. 23.
Heater: *See*—
Electric liquid heater. Inside induction heater.
Heater for printing presses, Automatic gas. W. R. Hildebrand. 2,257,010; Sept. 23.
Heating element, Electrical. T. M. Fox. 2,256,706; Sept. 23.
Heating system, Automobile. G. E. Onishi and A. M. Norman. 2,256,724; Sept. 23.
Holder: *See*—
Bag holder. Cosmetic holder.
Coin holder. Die holder.
Holder for brooms. J. Folkestad. 2,256,590; Sept. 23.
Humidifier construction. R. C. Sabins. 2,256,991; Sept. 23.
Hydraulic brake. G. E. Martin. 2,256,721; Sept. 23.
Hydraulic circular press. D. Gup. 2,256,740; Sept. 23.
Hydraulic coupling. W. Black. 2,256,878; Sept. 23.
Hydrocarbon products by hydrogenation of carbon oxides, Manufacture of. E. V. Murphree and E. B. Peck. 2,256,622; Sept. 23.
Hydrocarbons, Alkylation of. A. R. Goldsby and J. C. Van Gundy. 2,256,880; Sept. 23.
Hydrocarbons, Manufacture of high anti-knock. A. R. Goldsby. 2,257,074; Sept. 23.
Hydrocarbons, Purification of valuable. F. J. Soday. 2,257,078; Sept. 23.
Hydrocarbons, Treatment of. W. A. Yarnall. 2,257,082; Sept. 23.
Hydrostatic brake. C. Sauzedde. 2,256,498; Sept. 23.
Hypochlorite of quarternary ammonium hydroxide and production thereof. I. E. Muskat. 2,256,959; Sept. 23.
Hypohalites and making same, Quarternary ammonium. I. E. Muskat. 2,256,958; Sept. 23.
Ice cream dipper, Electrically heated. L. A. Armstrong. 2,256,770; Sept. 23.
Ice forming can. C. Doherty and W. Mitten. 2,256,973; Sept. 23.
Identification of materials. B. W. Collins. 2,256,549; Sept. 23.
Idler for belt conveyers, Self-aligning. R. W. Parker, 2,256,685; Sept. 23.
Indicating and control apparatus for radio receivers. W. L. Dunn, R. C. Marholz, and A. W. Plensler. 2,256,668; Sept. 23.
Indicating device. R. M. Ring. 2,256,527; Sept. 23.
Indicating device, Rotary. J. H. Pressley. 2,257,022; Sept. 23.
Indicator: *See*—
Electric pressure indicator.
Inlaid article and method. J. J. Larmour. 2,257,015; Sept. 23.
Inside induction heater. H. E. Somes. 2,256,873; Sept. 23.
Insulating joint for electric cable sheaths and making same. W. F. Davidson and E. R. Thomas. 2,256,897; Sept. 23.
Iron, Making malleable cast. A. M. Herrmann. 2,256,674; Sept. 23.
Irrigator, Colonic. D. L. F. Coombs. 2,257,072; Sept. 23.
Joint: *See*—
Wrench joint.
Joint. D. E. Willard. 2,256,930; Sept. 23.
Joists, Fabricating. W. B. Miller. 2,256,812; Sept. 23.
Keyboards for pianos and accordions, Transposing. T. K. Moilliet. 2,257,060; Sept. 23.
Kitchen cabinet. W. W. Harper. 2,256,592; Sept. 23.
Label pasting machine and the like. J. Ettl. 2,256,640; Sept. 23.
Labeling machine. C. Holm. 2,257,055; Sept. 23.
Lapping tool. J. A. Rioux. 2,256,495; Sept. 23.
Latch: *See*—
Automobile hood latch.
Latching device. H. W. Rightmyer. 2,256,909; Sept. 23.
Lather fount. W. Tuttle. 2,256,694; Sept. 23.
Lawn mower. L. H. Squires. 2,256,531; Sept. 23.
Lawn mower, Power. L. H. Squires. 2,256,583; Sept. 23.
Leg, Adjustable supporting. O. S. Burman. 2,256,892; Sept. 23.
Leg clamp for containers. F. B. Lomax. 2,256,522; Sept. 23.
Lifter. E. V. Cullen. 2,256,896; Sept. 23.
Link, Safety. E. L. Sorensen. 2,256,582; Sept. 23.
Liquid dispenser. A. J. Pappert, Jr. 2,256,782; Sept.

Lock: *See*—
Safe lock. Table leg brace lock.
Ski trimming lock.
Lock decoder. H. Hoffman. 2,257,054; Sept. 23.
Lock for slide fasteners, Slider. F. Lemmer. 2,256,680; Sept. 23.
Locking device. W. A. Henn. 2,257,008; Sept. 23.
Locking device for nuts, bolts, and screws. A. Schnorr. 2,256,851; Sept. 23.
Locomotive. W. W. Lemen and D. G. Cunningham. 2,256,984; Sept. 23.
Locomotives, Operating fireless. P. Gilli. 2,256,738; Sept. 23.
Loose-leaf device, Visible portable. B. Klein and B. A. Heimbinder. 2,256,980; Sept. 23.
Lubricating and cooling system for the stuffing boxes for pumps and like engines. H. Hillier. 2,257,011; Sept. 23.
Lug strap manufacture. H. M. Bacon. 2,256,701; Sept. 23.
Lunch kit. M. R. Austin. 2,256,935; Sept. 23.
Machine for applying slip covers to containers. J. F. Price. 2,256,574; Sept. 23.
Machine for bending sheet metal shapes. A. Rafter. 2,256,908; Sept. 23.
Machine for dispensing molding materials to molds. G. F. Watts. 2,256,660; Sept. 23.
Machine for mixing textile fibers. L. F. Remington. 2,256,577; Sept. 23.
Machine for selectively projecting cinema film records. W. Graves. 2,256,739; Sept. 23.
Magnesia-lime-silica refractory. G. E. Seil. 2,256,795; Sept. 23.
Magnetic separator. R. H. Stearns. 2,256,728; Sept. 23.
Magneto for internal combustion engines, Multipoint. W. Ochsenbein. 2,256,907; Sept. 23.
Make-ready. H. L. Bishop. 2,256,921; Sept. 23.
Manifold. M. M. Roensch, H. G. Braendel, and P. T. Cousino. 2,256,990; Sept. 23.
Manifolding device. J. A. Taggart. 2,256,533; Sept. 23.
Marker, Highway. G. R. Abbott. 2,256,636; Sept. 23.
Massaging device. A. S. Tjaden. 2,256,534; Sept. 23.
Match, Safety striking. E. E. Penter. 2,256,687; Sept. 23.
Material for polishing, cleaning, or the like and making the same. L. F. Rowe, C. G. Silverberg, and A. G. Pincus. 2,256,528; Sept. 23.
Mattresses, Making inner spring. R. F. Copeland. 2,256,939; Sept. 23.
Measuring device. H. H. Gilbert. 2,256,865; Sept. 23.
Measuring means, Pressure. R. T. Hurley. 2,256,804; Sept. 23.
Metal formaldehyde sulphoxylate diamino diphenyl sulphide or sulphone reaction products, Making alkali. G. W. Raiziss, L. W. Clemence, and M. Friefelder. 2,256,575; Sept. 23.
Meter reset, Thermal demand. H. A. Bakke. 2,256,464; Sept. 23.
Method and apparatus for making bags. M. Wagner. 2,256,506; Sept. 23.
Microwave device. R. A. Braden. 2,256,608; Sept. 23.
Mill: *See*—
Grinding mill.
Minnow, Artificial. J. J. Mikina. 2,256,813; Sept. 23.
Motor: *See*—
Deep well pump motor. Synchronous motor.
Outboard motor.
Mounting: *See*—
Ophthalmic mounting. Resilient mounting.
Mounting for vehicle accessories such as rear-view mirrors and the like. D. E. Reed. 2,256,763; Sept. 23.
9-polyhydroxyalkyl-isoalloxazines, Stable aqueous solution of. E. Auhagen. 2,256,604; Sept. 23.
Noise making tube. C. J. McCoy. 2,256,925; Sept. 23.
Nonstaining compounds, Processing with. D. I. Wright. 2,256,603; Sept. 23.
Nozzle, Air discharge. A. R. Bryant. 2,256,589; Sept. 23.
Ocular defects, Correcting. A. Ames, Jr. and K. N. Ogle. 2,256,587; Sept. 23.
Oil and gas separator. J. F. McKelvey. 2,256,524; Sept. 23.
Oil, water, and gas mixtures, Treatment of. J. P. Walker. 2,256,695; Sept. 23.
Oleopneumatic device. J. Mercier. 2,256,835; Sept. 23.
1,1-dichloro-1-nitro-paraffins and making them. H. B. Hass and B. R. Strickland. 2,256,839; Sept. 23.
Operating mechanism for louver construction. V. E. Huff. 2,257,056; Sept. 23.
Operating mechanism, Window sash. F. J. Moss. 2,256,905; Sept. 23.
Ophthalmic mounting. W. Lohmann. 2,256,846; Sept. 23.
Ophthalmic mounting. W. E. McDonell. 2,256,747; Sept. 23.
Ophthalmic mounting. E. M. Splaine. 2,256,501–2; Sept. 23.
Organic compounds, Nitration of. J. B. Castner. 2,256,999; Sept. 23.
Ornament. R. C. Steeple. 2,256,584; Sept. 23.
Orthodontic bracket. J. D. Peak. 2,257,040; Sept. 23.
Oscillator, Piezoelectric crystal. J. M. Wolfskill. 2,256,931; Sept. 23.
Outboard motor. R. Karey. 2,256,831; Sept. 23.
Package. W. H. Keogler. 2,256,985; Sept. 23.
Paint and paper scraper, Electrically heated. F. Preisser. 2,256,648; Sept. 23.
Paper feeding mechanism for statistical machines. A. Thomas. 2,256,693; Sept. 23.
Paper, Method of laminating. Van H. Wilshire. 2,256,916; Sept. 23.
Paper product. G. L. Schwartz. 2,256,853; Sept. 23.
Parenteral injection unit. J. E. B. Swabacker. 2,256,657; Sept. 23.
Pasteurizing process and apparatus. E. K. Kintner. 2,256,904; Sept. 23.
Paving plant, Portable. F. E. Kemp. 2,256,484; Sept. 23.
Perfume manufacture. W. Freudenberg. 2,256,772; Sept. 23.
Phase shifting device and circuits incorporating the same. A. Alford. 2,256,538; Sept. 23.
Photoelectric system. A. G. B. Metcalf. 2,256,595; Sept. 23.
Photographic emulsion and producing it. F. Lierg. 2,256,720; Sept. 23.
Photographic enlarger. E. C. Rogers. 2,256,651; Sept. 23.
Piezoelectric crystal apparatus. J. M. Wolfskill. 2,256,932; Sept. 23.
Pin construction, Novelty. M. Freeman and D. Suss. 2,257,002; Sept. 23.
Pipe coupling. K. L. Lanninger. 2,256,845; Sept. 23.
Pipe-line plug. A. W. Hubbell. 2,256,775; Sept. 23.
Pipe tool. J. J. Pokorny. 2,256,848; Sept. 23.
Plasterboard. M. F. La Chapelle. 2,256,761; Sept. 23.
Plastic articles, Molding casein. J. A. Parsons. 2,257,068; Sept. 23.
Plastic objects, Method and apparatus for molding. L. H. Amrine. 2,256,709; Sept. 23.
Plastics, Method and apparatus for making casein. J. A. Parsons. 2,257,067; Sept. 23.
Plate, Clutch driven. H. D. Geyer. 2,256,709; Sept. 23.
Plate, Clutch driven. G. Hunt. 2,256,712–13; Sept. 23.
Plate, Clutch driven. W. S. Wolfram. 2,256,698; Sept. 23.
Plate for structural building blocks, Corner protecting. I. Stagg. 2,256,967; Sept. 23.
Plate, Trolling. G. A. W. Ehmke. 2,256,898; Sept. 23.
Platform, Reinforced skid. E. W. Riemenschneider. 2,256,750; Sept. 23.
Plow. A. A. Scarlett. 2,256,816; Sept. 23.
Plug: *See*—
Blasting plug. Pipe-line plug.
Circuit breaker attachment plug.
Ply wood floor block. C. C. Fulbright. 2,257,048; Sept. 23.
Pollenizer. R. H. Clark. 2,257,036; Sept. 23.
Post, Bumping. S. W. Hayes. 2,256,828; Sept. 23.
Poppetless synchronizing clutch. C. D. Peterson and A. H. Deimel. 2,257,071; Sept. 23.
Power driven tool. G. C. Robinson. 2,256,496; Sept. 23.
Power plant of the start-stop type, Electrical generation. W. A. Charbonneaux. 2,256,938; Sept. 23.
Power take-off mechanism for tractors. T. M. West. 2,256,601; Sept. 23.
Power transmission. C. A. Neracher and W. T. Dunn. 2,256,960; Sept. 23.
Pregnendions, Manufacture of. A. Serini, L. Strassberger, and A. Butenandt. 2,256,500; Sept. 23.
Press: *See*—
Chain press. Rotary printing press.
Hydraulic circular press. Web printing rotary press.
Printing press.
Printing press, Rotary. M. W. Brueshaber. 2,256,514; Sept. 23.
Printing press, Rotary photogravure. M. W. Brueshaber. 2,256,515; Sept. 23.
Product treating device. O. U. G. Wilhelm. 2,256,915; Sept. 23.
Production of resist effects. J. G. Kern. 2,256,809; Sept. 23.
Prop front for carriages. W. C. Troendle. 2,256,730; Sept. 23.
Pulley, V-belt. J. O. Almen. 2,256,699; Sept. 23.
Pump: *See*—
Fuel pump. Solenoid pump.
Rotary pump. Well pump.
Pump operating apparatus, Well. G. W. Taylor, Sr. 2,256,599; Sept. 23.
Radio direction finder deviation correction device. A. A. Cory. 2,256,472; Sept. 23.
Rail car front end construction. E. J. W. Ragsdale and A. G. and W. B. Dean. 2,256,493; Sept. 23.
Rail car front end construction. E. J. W. Ragsdale and A. G. Dean. 2,256,494; Sept. 23.
Rail fastening means. R. T. Scholes. 2,257,077; Sept. 23.
Railway vehicle. R. N. Janeway. 2,256,978; Sept. 23.
Razor. L. Kuhnl. 2,256,610; Sept. 23.
Razor. D. F. Silver. 2,256,871; Sept. 23.
Recapping process. R. E. Steele. 2,256,631; Sept. 23.
Receptacle: *See*—
Ash receptacle.
Reclaiming and excavating appliance. R. Liebing and A. Rubin. 2,256,719; Sept. 23.
Recorder for sound tapes, Sound. H. Westerkamp. 2,257,028; Sept. 23.

Reel: *See*—
Fishing reel.
Reel supporting means for motion picture projectors. K. T. Greenwood. 2,256,899; Sept. 23.
Refining process. E. V. Murphree. 2,256,621; Sept. 23.
Refrigerating apparatus. A. O. Grooms. 2,256,671; Sept. 23.
Refrigeration. G. Grubb. 2,256,519; Sept. 23.
Refrigeration unit. D. Colvin. 2,256,551; Sept. 23.
Refrigerator. J. W. Chamberlain. 2,256,971; Sept. 23.
Refrigerator car insulation and applying it. E. W. Pearson and D. J. Baillie. 2,256,961; Sept. 23.
Refrigerator control device. D. E. Moran. 2,256,468; Sept. 23.
Registering device of the type used in telephone systems, Impulse. C. C. Puckette and G. Dewar. 2,256,869; Sept. 23.
Regulating system, Speed. E. F. W. Alexanderson. 2,256,463; Sept. 23.
Regulator: *See*—
Furnace regulator. Thermostatic regulator.
Relay, Electrical. C. S. Snavely. 2,256,653; Sept. 23.
Release mechanism, Overload. F. R. Nelson. 2,256,781; Sept. 23.
Remote control. H. Weber. 2,256,696–7; Sept. 23.
Remote control for camera shutters. D. E. Sexton. 2,256,965; Sept. 23.
Repeating device for gramophones. J. L. Routin. 2,256,579; Sept. 23.
Resilient mounting. C. Saurer. 2,256,752; Sept. 23.
Resin, Stabilized vinyl. W. M. Quattlebaum, Jr. 2,256,625; Sept. 23.
Resistor. W. W. Sloane. 2,256,727; Sept. 23.
Respiratory filter. J. B. Biederman. 2,256,997; Sept. 23.
Ring: *See*—
Barrel locking ring.
Road roller. J. E. Ingram. 2,256,594; Sept. 23.
Rock chips from aggregates, Forming and segregating. G. C. Winther. 2,256,731; Sept. 23.
Rod: *See*—
Welding rod.
Rod bundles or the like, Handling of. M. Morgan and J. N. Whalen. 2,256,684; Sept. 23.
Roller, Rubber-faced. F. Schuster. 2,257,025; Sept. 23.
Rolling mill guide box. S. M. Heliman. 2,256,945; Sept. 23.
Roof sump. F. H. Rile. 2,256,626; Sept. 23.
Rotary printing press. H. M. Barber. 2,256,801; Sept. 23.
Rotary pump. J. W. Gurley. 2,256,741; Sept. 23.
Rotary switch. G. C. Fullmer. 2,256,641; Sept. 23.
Rotatable bodies, Suspension of. J. W. Beams and F. T. Holmes. 2,256,937; Sept. 23.
Roughing machine. C. G. Brostrom. 2,256,546; Sept. 23.
Rubber heel and sole, wear plug therefor, and manufacture. A. A. Esterson. 2,256,863; Sept. 23.
Safe lock. C. A. Fowler. 2,256,827; Sept. 23.
Safety control for wringers. N. L. Etten. 2,256,736; Sept. 23.
Salts of alkyl acrylic acids, Manufacture of J. E. Bludworth. 2,256,544; Sept. 23.
Salts of aminobenzoic acids, Amidine. G. P. Ham. 2,256,759; Sept. 23.
Salts, Production of alum and aluminum. R. E. Pennell. 2,256,790; Sept. 23.
Sand core and making same. O. H. King. 2,256,832; Sept. 23.
Sanding machine, Road. E. T. Stewart. 2,256,655; Sept. 23.
Sanding wheel head. F. H. Morris. 2,257,061; Sept. 23.
Sash and sash attaching means. E. F. Chaffee. 2,256,548; Sept. 23.
Saw, Portable motor-driven. O. R. Fritz. 2,256,786; Sept. 23.
Scented fabricated article. C. Wolwode and A. Cohen. 2,256,917; Sept. 23.
Scraper and cleaner for egg beaters and the like. E. B. Reid and K. Davies. 2,256,650; Sept. 23.
Scraper for carbon black drum. C. E. McKinney. 2,256,949; Sept. 23.
Screen for cinematography, television, stereoscopy, and like purposes, Projection. J. L. Stableford. 2,256,692; Sept. 23.
Sealing composition. W. C. Ferguson. 2,256,864; Sept. 23.
Sealing fitting for electrical conduit lines. E. M. Olley. 2,257,065; Sept. 23.
Separator: *See*—
Magnetic separator. Oil and gas separator.
Selector key mechanism for automatic phonographs. C. A. Brinkert. 2,257,019; Sept. 23.
Separable fastener elements, Manufacture of. J. G. Soave. 2,256,796; Sept. 23.
Sewing machine and attachment therefor. C. Seaman. 2,256,793; Sept. 23.
Sharpener, Pencil. D. E. Fultz. 2,256,707; Sept. 23.
Shear attachment for power units. G. McHenry. 2,256,779; Sept. 23.
Sheet metal flexing machine. E. K. Johansen and A. E. Waltman. 2,256,520; Sept. 23.
Shield for loud-speakers, Air gap. J. P. Quam. 2,256,689; Sept. 23.
Shock absorber control for railway trucks, Hydraulic. C. E. Perkins. 2,256,868; Sept. 23.
Shock absorber, Hydraulic. R. F. Peo and G. M. Magrum. 2,256,470; Sept. 23.
Shoe. T. Gutwein. 2,256,900; Sept. 23.
Shoe sole. S. Szauer. 2,257,026; Sept. 23.
Shoe upper. J. F. Jonas. 2,257,075; Sept. 23.
Shore, Adjustable. C. M. Markham. 2,256,620; Sept. 23.
Shuttle checking device for looms. S. O. Lodge. 2,256,735; Sept. 23.
Signal: *See*—
Tire inflation signal.
Signal separator circuit, Synchronizing. S. W. Seeley. 2,256,529; Sept. 23.
Signaling device, Vehicle. C. P. Seitz. 2,256,765; Sept. 23.
Ski trimming lock. W. Armstrong. 2,256,540–2; Sept. 23.
Snap fastener. F. G. Purinton. 2,256,849–50; Sept. 23.
Snowplow. B. F. Smith. 2,256,953; Sept. 23.
Solenoid pump. G. P. Metesky. 2,257,059; Sept. 23.
Sound apparatus. K. Daniel. 2,257,040; Sept. 23.
Speed control means for projectors. P. F. Sperry. 2,256,818; Sept. 23.
Speed reducer. W. P. Schmitter and R. Wiken. 2,256,754; Sept. 23.
Spinning frame. W. S. Eastman. 2,257,041; Sept. 23.
Spinning frame. W. S. Eastman and R. Patterson. 2,257,042; Sept. 23.
Spinning frame. W. S. Eastman. 2,257,043–5; Sept. 23.
Spinning frame. R. Patterson. 2,257,046; Sept. 23.
Spongy material, Synthetic. F. L. Johnston. 2,256,483; Sept. 23.
Spray bar for road oilers. H. R. Erickson. 2,256,639; Sept. 23.
Spraying apparatus, Coating material. A. M. Fleming. 2,257,004; Sept. 23.
Spreader, Manure. C. R. Raney and R. D. MacDonald. 2,256,815; Sept. 23.
Spring: *See*—
Friction bolster spring.
Spring device. J. K. Wood. 2,256,784; Sept. 23.
Spring expander. B. W. Mantle. 2,256,564; Sept. 23.
Sprinkler, Automatic reversing rotary. O. H. Englehart. 2,256,737; Sept. 23.
Sprinkler, Multiple jet. W. Van E. Thompson. 2,256,729; Sept. 23.
Sprinkler, Traveling. L. H. Adamson. 2,256,838; Sept. 23.
Starch size and preparing the same. S. Drake. 2,256,474; Sept. 23.
Starting mechanism for internal combustion engines. J. F. Cullin. 2,256,466; Sept. 23.
Stationery, Manifolding. M. C. Stern. 2,256,585; Sept. 23.
Steam generator. G. A. Rehm. 2,256,576; Sept. 23.
Steel rule gauge, Flexible. C. O. Iverson. 2,256,676; Sept. 23.
Steering system, Automatic. E. J. Wade. 2,256,875; Sept. 23.
Stop motion device for knitting machines. A. Crawford. 2,257,037; Sept. 23.
Stop motion for knitting machines. M. Antonevich. 2,257,030; Sept. 23.
Storage tank cleaner. C. Shields. 2,256,767; Sept. 23.
Stove. B. M. Rawlings. 2,256,649; Sept. 23.
Straightedge assembly. E. C. Gledhill. 2,257,049; Sept. 23.
Strip for vehicle bodies, Trim. G. Trautvetter. 2,256,883; Sept. 23.
Sulphonates, Producing alkyl aryl. H. E. Buc. 2,256,610; Sept. 23.
Sunglass and eye shade, Combined. W. Simonton. 2,256,966; Sept. 23.
Support: *See*—
Cable support.
Support. J. A. Gibbons. 2,256,556; Sept. 23.
Support and holder, Clothesline. N. Zwald. 2,256,856; Sept. 23.
Support for double-walled containers. O. A. Hansen. 2,256,673; Sept. 23.
Supporting means for overhead garage doors. H. E. Bass. 2,257,032; Sept. 23.
Surgical instrument. J. J. Duffy. 2,256,942; Sept. 23.
Swing. G. D. Stevens. 2,256,955; Sept. 23.
Switch: *See*—
Enclosed switch. Rotary switch.
Switch for motor driven vehicles, Lock. G. G. Higbee. 2,256,675; Sept. 23.
Switch operating mechanism. C. H. Bissell. 2,257,033; Sept. 23.
Synchronizing device. J. A. Kennedy. 2,256,569; Sept. 23.
Synchronizing system. S. W. Seeley. 2,256,530; Sept. 23.
Synchronous motor, Slow speed. W. L. Hansen and I. N. Hurst. 2,256,711; Sept. 23.
System for generating gas from liquefied gas. W. H. Grindle. 2,256,591; Sept. 23.
System for investigating density fields. T. Zobel. 2,256,855; Sept. 23.
T-rail, Modified. McL. Thomson. 2,257,027; Sept. 23.
Table leg brace lock, Folding. P. Blink. 2,256,889; Sept. 23.
Tableware article. M. E. Bottome. 2,256,922; Sept. 23.
Talking machine. J. L. Routin. 2,256,578; Sept. 23.

Tank for harvester-threshers, Grain. A. B. Welty. 2,256,821; Sept. 23.
Telephone system. F. Simon. 2,256,872; Sept. 23.
Temperature control system. W. K. Walker. 2,256,797; Sept. 23.
Temperature in catalytic exothermic reactions, Control of. F. T. Barr. 2,256,969; Sept. 23.
Tension wrench. J. M. Hill. 2,256,478; Sept. 23.
Tester, Retrievable formation. H. E. Drake. 2,256,552; Sept. 23.
Thermostatic control. D. J. Stewart. 2,256,503; Sept. 23.
Thermostatic regulator. G. H. Brown. 2,256,732; Sept. 23.
Thread cutting tool. C. Zimmerman. 2,257,029; Sept. 23.
Throttle and ignition control for internal combustion engines. R. D. Lloyd and R. L. Gardner. 2,256,948; Sept. 23.
Tie forming device. A. A. Sweet. 2,256,632; Sept. 23.
Timing apparatus for X-ray exposures. E. R. Goldfield. 2,257,050; Sept. 23.
Tire balance wheel, Recap. C. L. Peterson. 2,256,814; Sept. 23.
Tire cord. C. Dreyfus. 2,256,553; Sept. 23.
Tire inflation signal. L. F. Pierce. 2,256,688; Sept. 23.
Tire inflator device, Dual. C. W. Parker. 2,256,469; Sept. 23.
Tool: *See*—
Carpenter's tool. Pipe tool.
Clamp applying tool. Power driven tool.
Lapping tool. Thread cutting tool.
Tool. W. Osenberg. 2,256,847; Sept. 23.
Tool for finishing tapered gears and method of finishing such gears. E. Windhaber. 2,256,586; Sept. 23.
Tooth for dippers, Replaceable. J. P. Murtaugh. 2,256,488; Sept. 23.
Tooth study model. C. M. Doret. 2,256,667; Sept. 23.
Toy. J. Chojnik. 2,256,666; Sept. 23.
Toy, Traveling. H. Müller. 2,257,064; Sept. 23.
Track and rail fastening. J. W. Mathias. 2,257,020; Sept. 23.
Traction device. J. Kopczynski. 2,256,570; Sept. 23.
Tractor. D. B. Baker, C. R. Rogers, and W. O. Bechman. 2,256,822; Sept. 23.
Tractor enclosure. T. Brown and T. W. Paul. 2,256,890; Sept. 23.
Transmission and control system, Data. E. J. Isbister and F. L. Moseley. 2,256,483; Sept. 23.
Transmission and control system, Data. F. L. Moseley and E. J. Isbister. 2,256,487; Sept. 23.
Transmission belt, Power. A. S. Brown. 2,256,756; Sept. 23.
Tray with a mechanical stopper lifter and means for delivering a predetermined volume of liquid, Flask. R. Traynor. 2,256,957; Sept. 23.
Trial frame. W. F. Peck and A. A. Gradisar. 2,256,491; Sept. 23.
Trimming board. A. I. Blanc. 2,256,606; Sept. 23.
Truck and trailer, Logging. S. P. Newman, Sr. 2,256,623; Sept. 23.
Truck body, Demountable. L. Delivuk. 2,256,705; Sept. 23.
Tube: *See*—
Noise making tube.
Tufting attachment for sewing machines, Chenille. P. H. Turley. 2,256,633; Sept. 23.
Tying machine. M. Steiner. 2,256,532; Sept. 23.
Typewriter desk, Drophead. J. S. Burdick. 2,256,547; Sept. 23.
Undergarment. J. A. Boysen. 2,256,884; Sept. 23.
Unloading device. B. W. Mantle. 2,256,565; Sept. 23.
Valve control system, Electric. H. Winograd. 2,256,755; Sept. 23.
Valve control system, Electrical. S. R. Durand. 2,256,757; Sept. 23.
Valve mechanism for motors of pumps. F. D. Butler. 2,256,471; Sept. 23.
Valve reset mechanism. W. A. Ray. 2,257,024; Sept. 23.
Variable speed transmission. G. O. Joyner and D. S. Myers. 2,256,903; Sept. 23.
Vegetables and the like, Apparatus and method for precooling. R. M. Magnuson. 2,256,745; Sept. 23.
Vehicle: *See*—
Railway vehicle.
Vehicle body construction and fabrication. G. Trautvetter. 2,256,837; Sept. 23.
Vehicle chassis frame. F. Bruss. 2,256,885; Sept. 23.
Vending machine. E. P. Ford. 2,256,976; Sept. 23.
Vizor structure. C. W. Dake. 2,256,972; Sept. 23.
Washer: *See*—
Ceiling washer.
Water system, Boiler feed. J. Amen. 2,256,511; Sept. 23.
Watering device. F. C. Roe. 2,256,751; Sept. 23.
Waterproof blanks, Gluing. S. Bergstein. 2,256,888; Sept. 23.
Weather strip and sash balance, Metal. M. J. Gossen. 2,257,051; Sept. 23.
Web printing rotary press. H. M. Barber. 2,256,800; Sept. 23.
Welding device. E. S. Cornell, Jr. 2,256,879; Sept. 23.
Welding gun. G. A. Hughes. 2,256,480; Sept. 23.
Welding method. R. K. Hopkins. 2,256,924; Sept. 23.
Well pump. C. F. Moseley. 2,256,567; Sept. 23.
Welding rod. J. H. de Boer, J. Sack, and P. C. van der Willigen. 2,256,861; Sept. 23.
Wetting, penetrating, foaming, and dispersing agent. H. Bertsch. 2,256,877; Sept. 23.
Wheel: *See*—
Tire balance wheel.
Wheel aligning instrument. H. Wochner. 2,256,968; Sept. 23.
Wheel rim and metal treating method. G. S. Lewis. 2,256,947; Sept. 23.
Wind-screen wiper. W. E. O'Shei. 2,257,066; Sept. 23.
Winding apparatus. C. W. Mayer. 2,256,746; Sept. 23.
Window, Automobile trailer. R. Beaman. 2,256,588; Sept. 23.
Window sash construction. E. F. Chaffee. 2,257,035; Sept. 23.
Window shades, Supporting. S. Jacobson. 2,257,014; Sept. 23.
Window wiper. J. H. Herzog. 2,256,477; Sept. 23.
Woodworking machine. J. E. Boice. 2,256,607; Sept. 23.
Wrench: *See*—
Tension wrench.
Wrench joint. W. H. Odlum. 2,256,624; Sept. 23.
Zinc liquation. J. Thede. 2,257,085; Sept. 23.

CLASSIFICATION OF PATENTS

ISSUED SEPTEMBER 23, 1941

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

2— 12: 2,256,966
186: 2,256,866
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4— 237: 2,256,994
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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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U. S. GOVERNMENT PRINTING OFFICE: 1941

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Aaron, E. A., & Bros., Chicago, Ill. Shredded coconut. Serial No. 445,908; Sept. 30. Class 46.

Abingdon-Cokesbury Press. (See Book Agents of the Methodist Episcopal Church, South.)

Aldine Paper Company, Inc., New York, N. Y. Heat sealing paper for use in teabags, envelopes, paper bags, etc. Serial No. 445,515; Sept. 30. Class 37.

Amereng Fabrics, Inc., New York, N. Y. Woolen and worsted piece goods. Serial No. 445,250; Sept 30. Class 42.

American Broadtail Corporation, New York, N. Y. Fur skins. Serial No. 444,518; Sept. 30. Class 1.

Americal Colloid Corporation, New York, N. Y. Emulsifying and degreasing solvents. Serial No. 445,191; Sept. 30. Class 4.

American Optical Company, Southbridge, Mass. Ophthalmic lenses, eye protection lenses, goggles, and sunglasses. Serial No. 440,485; Sept. 30. Class 26.

Ams, Max, Inc., New York, N. Y. Honey, fruit preserves, jellies, etc. Serial No. 444,294; Sept. 30. Class 46.

Apple Beverage Corporation, The, New York, N. Y. Carbonated non-alcoholic beverage. Serial No. 445,789; Sept. 30. Class 45.

Atlas Powder Company, Wilmington, Del. Emulsifying, dispersing, solubilizing and wetting agents. Serial No. 446,035–36; Sept. 30. Class 6.

Automobile Digest Publishing Company, Cincinnati, Ohio. Periodical publication. Serial No. 446,628; Sept. 30. Class 38.

Balwin, Vern C., Dr., Springfield, Ill. Medicines utilized for rubbing on the gums of a dental patient. Serial No. 432,334; Sept. 30. Class 6.

Barrango, Carmen, San Francisco, Calif. Mannequins and dress forms. Serial No. 444,372; Sept. 30. Class 50.

Beaton, J. R., Co., Inc., New York, N. Y., assignor to Berkshire Knitting Mills, Wyomissing, Pa. Sports sweaters, blouses, dresses, etc. Serial No. 442,300; Sept. 30. Class 39.

Berkshire Knitting Mills. (See Beaton, J. R. Co., Inc., assignor.)

Bol, Ltd., New York, N. Y. Cinematographic and photographic apparatus and accessories thereto. Serial No. 443,301; Sept. 30. Class 26.

Book Agents of the Methodist Episcopal Church, South, doing business as Abingdon-Cokesbury Press, Nashville, Tenn. Books, pamphlets, magazines. Serial No. 443,995; Sept. 30. Class 38.

Booth, F. E., Company, Inc., San Francisco, Calif. Canned sardine spread. Serial No. 444,750; Sept. 30. Class 46.

Borg-Warner Corporation, Chicago, Ill. Defrosting equipment for refrigerators. Serial No. 440,642; Sept. 30. Class 31.

Bray Chemical Co., Chicago, Ill. Lye. Serial No. 442,103; Sept. 30. Class 6.

Brush Beryllium Company, The, Cleveland, Ohio. Ferrous and non-ferrous alloy ingots, billets, castings, forgings, etc. Serial No. 440,358–9; Sept. 30. Class 14.

Cascella Springs Co., Three Rivers, Mass. Nonalcoholic maltless beverages. Serial No. 445,880; Sept. 30. Class 45.

Cassini, Herman C., doing business as X-Sal Drug Company, Orange, N. J. Saline preparation having laxative and treatment of hyperacidity properties. Serial No. 446,286; Sept. 30. Class 6.

Chrystal, Charles B., Co., Incorporated, New York, N. Y. Metal worker's crayons. Serial No. 439,332; Sept. 30. Class 37.

Clicquot Club Company, Millis, Mass. Carbonated water, club soda, quinine soda, and nonalcoholic beverages. Serial No. 444,565; Sept. 30. Class 45.

Clover Cravat Company. (See Shaffer, Elmer E.)

Continental Lithograph Corporation, Cleveland, Ohio. Luminescent lacquers, luminescent paint enamels, dry and ready-mixed paints. Serial No. 445,257; Sept. 30. Class 16.

Courier-Citizen Company, Lowell, Mass., doing business as Uniform Printing and Supply, Division of Courier-Citizen Company, Chicago, Ill. Bond paper. Serial Nos. 443,918–19; Sept. 30. Class 37.

Crockett Laboratories Company, San Antonio, Tex. Veterinary medicine having phenthiazine as its active component. Serial No. 445,381; Sept. 30. Class 6.

Cullen-Friestedt Company, Chicago, Ill. Stationary power driven apparatus, cranes, ingot mold lifters, etc. Serial No. 442,782; Sept. 30. Class 25.

Curtiss 1000 Incorporated, St. Paul, Minn. Correspondence and mailing envelopes. Serial No. 443,222; Sept. 30. Class 37.

De Laval Separator Company, The, New York, N. Y. Milking machines, teat cups, and parts and attachments therefor. Serial No. 446,078; Sept. 30. Class 23.

De Matteis, Alfredo, Valley Stream, N. Y. Toasted throughout bread made in rolls. Serial No. 445,384; Sept. 30. Class 46.

Electronic Laboratories, Incorporated, Indianapolis, Ind. Electric vibrator-type power supply units. Serial No. 446,134; Sept. 30. Class 21.

Erwin Cotton Mills Company, The, Durham, N. C. Denim and other fabrics of cotton, rayon, linen, and combinations thereof in the piece. Serial No. 446,269; Sept. 30. Class 42.

Everfast Fabrics, Inc., New York, N. Y. Cotton piece goods. Serial No. 446,162; Sept. 30. Class 42.

Fawcett Publications, Inc., Greenwich, Conn. Quarterly publication. Serial No. 444,824; Sept. 30. Class 38.

Fazio, Thomas, Yorktown Heights, N. Y. Golf balls. Serial No. 434,715; Sept. 30. Class 22.

Fink-Roselieve Co., Inc., New York, N. Y. Photographic apparatus and accessories thereto. Serial No. 444,698; Sept. 30. Class 26.

Flock Manufacturing Company, Philadelphia, Pa. Knitting yarns. Serial No. 442,591; Sept. 30. Class 43.

Frederick, Henry E., Chicago, Ill. Combination cigarette dispenser and ash tray. Serial No. 432,852; Sept. 30. Class 8.

Fringing & Stitching Company. (See Heller, Milton L.)

Garden Grove Mutual Orange Assn., Garden Grove, Calif. Fresh citrus fruits. Serial No. 432,575; Sept. 30. Class 46.

Gardner, Wm. H., doing business as Gardner Food Products Co., Los Angeles, Calif. Salad dressing. Serial No. 441,864; Sept. 30. Class 46.

Gemex Company, Newark, N. J. Wrist watch straps and buckles for clothing and collar buttons. Serial No. 444,934; Sept. 30. Class 40.

General Electric Company, Schenectady, N. Y. Insulated electric cord. Serial No. 446,106; Sept. 30. Class 21.

General Mills, Inc., Minneapolis, Minn. Milled grain products, particularly poultry feed. Serial No. 445,846; Sept. 30. Class 46.

Glovercraft Inc., Johnstown, N. Y. Ladies' wool-lined leather mittens. Serial No. 445,549; Sept. 30. Class 39.

Hale, Alfred, Rubber Company, Quincy, Mass. Shoe soles. Serial No. 444,672; Sept. 30. Class 39.

Heller, Milton L., doing business as Fringing & Stitching Company, assignor to Poopee Snoopee Inc., New York, N. Y. Coats, hats, scarves, gloves, etc. Serial No. 437,173; Sept. 30. Class 39.

Hemphill-Miller, Tucson, Ariz. Soap for leather articles and shoes. Serial No. 445,154; Sept. 30. Class 4.

Henry, Sidney, doing business as S. H. Hirsch, New York, N. Y. Hair nets and water wave nets. Serial No. 445,732; Sept. 30. Class 39.

Hirsch, S. H. (See Henry, Sidney.)

Holtzer-Cabot Electric Company, The, Boston, Mass. Telephone communication systems. Serial No. 440,094; Sept. 30. Class 21.

Investo Company, Los Angeles, Calif. Material for use in the formation of beds of material for refining, filtering, and softening of fluids. Serial No. 444,705; Sept. 30. Class 6.

Jay Shoe Mfg. Co., Cambridge, Mass. Shoes. Serial No. 445,813; Sept. 30. Class 39.

Jaygol Products Corp., New York, N. Y. Insecticides. Serial No. 446,082; Sept. 30. Class 6.

Jenco Brothers, Inc., Paterson, N. J. Rubber heels. Serial No. 445,014; Sept. 30. Class 39.

Kellogg Company, Battle Creek, Mich. Drawings, illustrated stories, cartoons, etc. Serial No. 442,232; Sept. 30. Class 38.

Kroger Grocery & Baking Company, The, Cincinnati, Ohio. Bread. Serial No. 445,582; Sept. 30. Class 46.

Lentheric, Incorporated, New York, N. Y. Cosmetic creams, face powders, rouges, lipsticks, etc. Serial No. 445,203; Sept. 30. Class 6.

Lilienblum, David, New York, N. Y. Dandruff removing preparation. Serial No. 444,971; Sept. 30. Class 6.

Lish, Samuel, New York, N. Y. Hats, berets, and tam-o-shanters. Serial No. 445,661; Sept. 30. Class 39.

Lish, Samuel, New York, N. Y. Hats, berets, and tam-o-shanters. Serial No. 445,817; Sept. 30. Class 39.

Markets, Inc., Oakland, Calif. Fresh vegetables, namely potatoes. Serial No. 442,870; Sept. 30. Class 46.

Marshall Field & Company, Chicago, Ill. Lace curtains. Serial No. 445,923; Sept. 30. Class 42.

Marshall Field & Company, Chicago, Ill. Lace curtains. Serial Nos. 445,925–6; Sept. 30. Class 42.

Mercury Corporation, The, Kansas City, Mo. Combination battery charging and testing apparatus. Serial No. 445,995; Sept. 30. Class 26.

Metropolitan Coal & Oil Co., Inc., Indianapolis, Ind. Gasoline, fuel oil, and motor oil. Serial No. 442,871; Sept. 30. Class 15.

Michigan Alkali Company, Wyandotte, Mich. Bicarbonate of soda. Serial No. 444,908; Sept. 30. Class 6.
Miller, I., & Sons, Inc., Long Island City, N. Y. Shoes. Serial Nos. 445,696–7; Sept. 30. Class 39.
Moore, John Hudson, Inc., New York, N. Y. Hand soap and shaving soap. Serial No. 445,432; Sept. 30. Class 4.
Muralo Company, Inc., The, New Brighton, N. Y. Cement paint. Serial No. 445,295; Sept. 30. Class 16.
National Lead Company, New York, N. Y. Zinc and zinc alloys. Serial No. 445,634; Sept. 30. Class 14.
Nelson, Julius, Corporation, New York, N. Y. Ladies' coats. Serial No. 445,951; Sept. 30. Class 39.
Palinkos, Stephen J., South Norwalk, Conn. Men's hats, outer shirts, and neckties. Serial No. 444,711; Sept. 30. Class 39.
Palinkos, Stephen J., South Norwalk, Conn. Men's hats, outer shirts, neckties. Serial No. 444,713; Sept. 30. Class 39.
Pappas, C., Company, Inc., Boston, Mass. Cottonseed oil used as a salad dressing for food purposes. Serial No. 429,743; Sept. 30. Class 46.
Parents' Institute, Inc., The, New York, N. Y. Publication published monthly. Serial No. 443,542; Sept. 30. Class 38.
Poopee Snoopee Inc. (See Heller, Milton L.)
Powerin Corporation, Buffalo, N. Y. Liquid additive modifying compound for use with engine fuels. Serial No. 445,103; Sept. 30. Class 6.
Progressive Musical Instrument Corporation, New York, N. Y. Musical instruments. Serial No. 439,683; Sept. 30. Class 36.
Quaker Oats Company, The, Chicago, Ill. Soup. Serial No. 444,682; Sept. 30. Class 46.
Quaker Oats Company, The, Chicago, Ill. Binder twine. Serial No. 446,369; Sept. 30. Class 7.
Reserve Research Company, The, Cleveland, Ohio. Medicinal preparation. Serial No. 445,471; Sept. 30. Class 6.
Richgrove-Jasmine Citrus Association, Richgrove, Calif. Fresh citrus fruits. Serial No. 445,901; Sept. 30. Class 46.
Shaffer, Elmer E., doing business as Clover Cravat Company, Philadelphia, Pa. Neckties. Serial No. 442,604; Sept. 30. Class 39.
Shoecraft, Inc., New York, N. Y. Shoes. Serial No. 445,303; Sept. 30. Class 39.
Somay Products, Inc., Miami, Fla. Oil paint. Serial No. 445,642; Sept. 30. Class 16.
Spare, Edward A., Camden, N. J. Maltless, non-alcoholic beverage sold as soft drink. Serial No. 443,784; Sept. 30. Class 45.
Sports Guild, Inc., New York, N. Y. Women's, misses', and children's wearing apparel. Serial No. 444,240; Sept. 30. Class 39.
Standard Brands Incorporated, New York, N. Y. Yeast. Serial No. 443,141; Sept. 30. Class 46.
Sterilek Company, Inc., The, New York, N. Y. Facial tissue. Serial No. 445,369; Sept. 30. Class 37.
Sun Rubber Company, The, Barberton, Ohio. Rubber toys. Serial No. 444,776; Sept. 30. Class 22.
Superior Petroleum Company, Incorporated, Louisville, Ky. Insect spray. Serial No. 444,692; Sept. 30. Class 6.
Synfleur Scientific Laboratories, Inc., Monticello, N. Y. Flavoring extracts for food purposes. Serial No. 443,468; Sept. 30. Class 46.
Thervac Products, Inc., New York, N. Y. Air tight baby bottle container. Serial No. 430,108; Sept. 30. Class 2.
Uniform Printing and Supply, Division of Courier-Citizen Company. (See Courier-Citizen Company.)
Von Schrader Manufacturing Company, Racine, Wis. Dry cleaning powder for rugs. Serial No. 445,348; Sept. 30. Class 4.
Weber, M. Stanley, Chicago, Ill. Cellulose acetate sheets, films, rods, and tubes. Serial No. 442,466; Sept. 30. Class 50.
Western Union Telegraph Company, The, New York, N. Y. Electrical scanning machine. Serial No. 439,610; Sept. 30. Class 21.
Whitman, Clarence, & Sons, Inc., New York, N. Y. Bedspreads and draperies. Serial No. 446,010; Sept. 30. Class 42.
Whitson Products Co. Inc., New York, N. Y. Ice cream improver made with dextrose and vegetable gum. Serial No. 444,843; Sept. 30. Class 46.
Wing, L. J., Manufacturing Company, New York, N. Y. Fans used in connection with fuel burning devices. Serial No. 441,006; Sept. 30. Class 34.
X-Sal Drug Company. (See Cassini, Herman C.)
Yonkers Mattress Co., Inc., Yonkers, N. Y. Mattresses, box springs, and upholstered furniture. Serial No. 442,471; Sept. 30. Class 32.

LIST OF REGISTRANTS OF TRADE-MARKS

Abrams, Max, Inc., New York, N. Y. Men's clothing. 390,672; Sept. 30; Serial No. 443,316; published July 1, 1941. Class 39.
Airplanes Publishing Co. (See Benas, Jeannette J.)
All-American Comics, Inc., New York, N. Y. Magazine published periodically. 390,661–2; Sept. 30; Serial Nos. 443,151–2; published July 15, 1941. Class 38.
All-American Comics, Inc., New York, N. Y. Cartoons published in a series. 390,677; Sept. 30; Serial No. 443,385; published July 8, 1941. Class 38.
Allen-Bradley Company, Milwaukee, Wis. Electrical controlling devices of the carbon-pile rheostat type. 151,417; renewed Feb. 7, 1942.
Altorfer Bros. Company, Peoria, Ill. Laundry washing machines. 390,583; Sept. 30; Serial No. 440,401; published July 22, 1941. Class 24.
Amereng Fabrics, Inc., New York, N. Y. Woolen and worsted piece goods. 390,760; Sept. 30. Class 42.
American and Continental Patented Products Inc., New York, N. Y. Necklaces and bracelets, finger rings, earrings, etc. 390,687–8; Sept. 30; Serial Nos. 443,472–3; published July 22, 1941. Class 28.
American Motel Association, Inc., East Orange, N. J. Travel guides. 390,601; Sept. 30; Serial No. 443,550; published July 22, 1941. Class 38.
American Turners, Detroit, Mich. Annual publications, books, bulletins, catalogs, etc. 390,643; Sept. 30; Serial No. 442,929; published July 15, 1941. Class 38.
American Universal Coffee Company, to Ara Belle De Clonis, also known as Mrs. A. De Clonis, doing business as American Universal Coffee Company, Dallas, Tex., successor. Coffee. 151,661–2; renewed Feb. 14, 1942.
Anderson, Clayton & Co., Houston, Tex. Fertilizers. 390,594; Sept. 30; Serial No. 441,301; published July 22, 1941. Class 10.
Armor, Morris H., doing business as David Howell, Van Nuys, Calif. Advertising material sold as such. 390,564; Sept. 30; Serial No. 434,707; published July 15, 1941. Class 38.
Atlas Underwear Company, The, Piqua, Ohio. Undergarments and underwear for men, women, and children. 390,587; Sept. 30; Serial No. 440,671; published July 15, 1941. Class 39.
Atlumor Manufacturing Co., Inc., Knoxville, Tenn. Tables. 390,668; Sept. 30; Serial No. 443,216; published July 22, 1941. Class 32.
Babson Bros. Co., Chicago, Ill. Milking parlor stalls and stanchions and multiple stall milking parlor units. 390,651; Sept. 30; Serial No. 443,034; published July 22, 1941. Class 13.
Bane, John B., doing business as Tom Thumb Tray Company, Los Angeles, Calif. Service trays. 390,554; Sept. 30; Serial No. 430,537; published July 22, 1941. Class 2.
Bartmann & Bixer Inc., New York, N. Y. Window curtains. 390,727–8; Sept. 30; Serial Nos. 444,249–50; published July 22, 1941. Class 42.
Beauty Parade, Inc. (See Moran, Earl S., and Harrison, assignors.)
Belvidere Strap Co. Inc., New York, N. Y., now by change of name Belvidere, Inc. Portfolios, handbags, pocketbooks, wallets, etc. 390,692; Sept. 30; Serial No. 443,551; published July 22, 1941. Class 3.
Benas, Jeannette J., doing business as Airplanes Publishing Co., New York, N. Y. Magazine published monthly. 390,586; Sept. 30; Serial No. 440,640; published July 15, 1941. Class 38.
Bennett, Fred S., Inc., New York, N. Y. Cotton, drill, twills, in the piece. 146,067; renewed Aug. 30, 1941.
Bianchini, Férier, Lyon, France, assignor to Bianchini, Férier, Inc., New York, N. Y. Piece goods of silk. 147,928; renewed Nov. 8, 1941.
Bianchini, Férier, Lyon, France, assignor to Bianchini, Férier, Inc., New York, N. Y. Piece goods of silk, wool, linen, cotton, and china-grass. 148,790; renewed Nov. 29, 1941.
Bianchini, Férier, Lyon, France, assignor to Bianchini, Férier, Inc., New York, N. Y. Piece goods of silk, wool, linen, cotton, and china-grass. 148,997–8; renewed Dec. 6, 1941.
Bianchini, Férier, Lyon, France, assignor to Bianchini, Férier, Inc., New York, N. Y. Piece goods of silk. 150,250–1; renewed Jan. 3, 1942.
Black Manufacturing Co. (See Spokane Dry Goods Company, assignor.)
Bol, Ltd., New York, N. Y. Cinematographic and photographic apparatus and accessories thereto. 390,598–600; Sept. 30; Serial Nos. 441,665–7; published June 24, 1941. Class 26.
Bradley, David, Mannfacturing Works. (See Sears, Roebuck and Co.)
Brieff, Adolph, New York, N. Y. Ladies' and misses' coats, wraps, and capes. 390,756; Sept. 30. Class 39.
Brieff, Adolph, New York, N. Y. Pile fabrics in the piece. 390,757; Sept. 30. Class 42.
Brisacher, Emil, doing business as Brisacher, Davis & Staff, San Francisco, Calif. Periodical program skits for radio stations. 390,703; Sept. 30; Serial No. 443,746; published July 22, 1941. Class 38.

Broom and Newman, New York, N. Y. Men's and boys' pajamas. 390,699; Sept. 30; Serial No. 443,712; published July 15, 1941. Class 39.
Brown, Victor, Undies, Inc., New York, N. Y. Slips and camisoles of silk, satin, rayon, and combinations thereof. 390,745; Sept. 30. Class 39.
Brown, Victor, Undies, Inc., New York, N. Y. Ladies' and misses' slips, petticoats and camisoles. 390,749; Sept. 30. Class 39.
Cardinet Candy Company, assignor, by mesne assignments, to Cardinet Candy Company, Inc., Oakland, Calif. Chocolate-coated candy. 151,701; renewed Feb. 14, 1942.
Celanese Corporation of America, New York, N. Y. Artificial ribbons. 390,663; Sept. 30; Serial No. 443,154; published July 22, 1941. Class 37.
Celanese Corporation of America, New York, N. Y. Piece goods. 390,729–30; Sept. 30; Serial Nos. 444,251–2; published July 22, 1941. Class 42.
Central Monogram Jewelry Works. (See Kahn, Samuel B.)
Certain-Teed Products Corporation, New York, N. Y. Sheets of felted fibrous material, roofing and shingles, etc. 390,563; Sept. 30; Serial No. 434,594; published July 22, 1941. Class 12.
Certain-Teed Products Corporation, New York, N. Y. Sheets of felted fibrous material, roofing, and shingles, etc. 390,565; Sept. 30; Serial No. 434,968; published July 22, 1941. Class 12.
Charleston Broom Manufacturing Company, The, Charleston, W. Va. Brooms and brooms in combination with a dust pan attachment. 390,610; Sept. 30; Serial No. 442,058; published July 22, 1941. Class 29.
Charleston Milling Company, Charleston, W. V. Wheat flour, containing vitamin and iron ingredients. 390,623; Sept. 30; Serial No. 442,516; published July 22, 1941. Class 46.
Cheney Brothers, South Manchester, to Cheney Brothers, Manchester, Conn. Woven, knitted, netted, textile, and pile fabrics in the piece, wholly or partly of silk. 146,709; renewed Sept. 20, 1941.
Chicago Musical Instrument Company, Chicago, Ill. Musical instrument. 390,635; Sept. 30; Serial No. 442,781; published July 22, 1941. Class 36.
Churchill, A. Judson, South Jacksonville, Fla. Sandwich spread and salad dressing. 390,552; Sept. 30; Serial No. 423,971; published Dec. 3, 1940. Class 46.
Cluett, Peabody & Co., Inc., Troy, N. Y. Collars. 390,700; Sept. 30; Serial No. 443,714; published July 15, 1941. Class 39.
Colnes & MacDermott Inc., New York, N. Y. Buckles made of nonprecious metal. 390,744; Sept. 30. Class 40.
Columbia-Bedford Corporation, Long Island City, N. Y. Lubricating oils. 390,673; Sept. 30; Serial No. 443,320; published July 22, 1941. Class 15.
Columbia Carbon Company, The, Dayton, Ohio. Inked ribbons and carbon sheets for duplicating or transferring impressions. 151,716; renewed Feb. 14, 1942.
Combustion Engineering Company, Inc., Wilmington, Del., and New York, N. Y. Gas water heaters. 390,618; Sept. 30; Serial No. 442,389; published July 22, 1941. Class 34.
Comey, R. H., Company, Brooklyn, N. Y. Hat braids. 390,617; Sept. 30; Serial No. 442,352; published July 22, 1941. Class 40.
Compo Shoe Machinery Corporation, Boston, Mass. Adhesive shoe cement. 390,715; Sept. 30; Serial No. 443,975; published July 22, 1941. Class 5.
Comte, Marcel, Jacksonville, Ill. Corned beef and cabbage. 390,638; Sept. 30; Serial No. 442,862; published July 22, 1941. Class 46.
Contour Hosiery Mills, Rockford, Ill. Hosiery. 390,736; Sept. 30. Class 39.
Controlair, Incorporated, Elyria, Ohio. Air flow control dampers, damper mounting and operating parts, etc. 390,737; Sept. 30. Class 34.
Cowan, Louis G. (See Quix Kids, Inc., assignor.)
Crompton Company, West Warwick, R. I. Corduroy and pile fabrics in the piece. 390,723; Sept. 30; Serial No. 444,135; published July 22, 1941. Class 42.
Crompton Company, West Warwick, R. I. Fabrics in the piece. 390,725; Sept. 30; Serial No. 444,176; published July 22, 1941. Class 42.
Crown Fabrics Corporation, New York, N. Y. Cotton, spun rayon, and spun acetate fabrics, and mixtures thereof in the piece. 390,718; Sept. 30; Serial No. 444,072; published July 22, 1941. Class 42.
Darling Valve & Manufacturing Company, Williamsport, Pa. Fabric cups. 390,719; Sept. 30; Serial No. 444,074; published July 22, 1941. Class 35.
Davis, A., & Sons, Inc., New York, N. Y. Textile fabrics in the piece of wool, mohair, and combinations thereof. 390,720; Sept. 30; Serial No. 444,075; published July 22, 1941. Class 42.
De Clonis, Ara B. (See American Universal Coffee Company.)
Deep Rock Oil Corporation. (See Greis, H. N., trustee.)
Delson Chemical Co., Inc., The, Brooklyn, N. Y. Medicinal preparation for the treatment of general and chronic constipation. 146,079; renewed Aug. 30, 1941.
De Pinna, A., Co., Inc., New York, N. Y. Certain articles of clothing. 151,736; renewed Feb. 14, 1942.
Detective Comics, Inc., New York, N. Y. Magazine publication. 390,653; Sept. 30; Serial No. 443,072; published July 15, 1941. Class 38.
Detective Comics, Inc., New York, N. Y. Magazine publication. 390,657; Sept. 30; Serial No. 443,117; published July 15, 1941. Class 38.
Devoe & Raynolds Company, Inc., New York, N. Y. Paint brushes. 390,573; Sept. 30; Serial No. 437,856; published July 22, 1941. Class 29.
Dings Magnetic Separator Co., Milwaukee, Wis. Magnets, magnetic clutches, and magnetic separators. 390,697; Sept. 30; Serial No. 443,689; published July 22, 1941. Class 21.
Drexel Furniture Company, Drexel, N. C. Furniture, buffets, sideboards, tables, etc. 390,593; Sept. 30; Serial No. 441,159; published July 22, 1941. Class 32.
Dyer, Dowls L., Tulsa, Okla. Writing paper. 390,570; Sept. 30; Serial No. 437,126; published July 22, 1941. Class 37.
Eagle Clothes, New York, N. Y. Overcoats, topcoats, and suits for men and young men. 390,746; Sept. 30. Class 39.
Edison General Electric Appliance Company, Inc., Chicago, Ill. Machines for cutting or grinding garbage or the like. 390,615; Sept. 30; Serial No. 442,315; published July 22, 1941. Class 23.
Eisenstat, David, New York, N. Y. Fixture type splicing connector made of porcelain. 390,604; Sept. 30; Serial No. 441,861; published July 22, 1941. Class 21.
Emery Industries, Inc., Cincinnati, Ohio. Candles. 390,689; Sept. 30; Serial No. 443,485; published July 22, 1941. Class 15.
Enro Shirt Company, Inc., The, Louisville, Ky. Sport shirts and pajamas. 390,555; Sept. 30; Serial No. 431,042; published July 2, 1940. Class 39.
Epstein Garment Corp., New York, N. Y. Dresses, coats, and dress ensembles consisting of dress and coats. 390,755; Sept. 30. Class 39.
Fall River Curtain Co. Inc., Fall River, Mass., and New York, N. Y. Curtains and draperies. 390,678–9; Sept. 30; Serial Nos. 443,410–11; published July 22, 1941. Class 42.
Fawcett Publications, Inc., Greenwich, Conn. Monthly periodical. 390,644; Sept. 30; Serial No. 442,997; published July 15, 1941. Class 38.
Fawcett Publications, Inc., Greenwich, Conn. Monthly periodical. 390,645; Sept. 30; Serial No. 442,999; published July 15, 1941. Class 38.
Fine Foods, Inc., Seattle, Wash. Fresh deciduous fruits and vegetables, canned fruits, frozen fresh vegetables, and berries, etc. 390,558; Sept. 30; Serial No. 431,602; published Jan. 21, 1941. Class 46.
Fischer & Co., Inc., New York, N. Y. Ladies' pure silk underwear, including nightgowns, slips, and panties. 390,608; Sept. 30; Serial No. 442,033; published July 15, 1941. Class 39.
Fischer & Co., Inc., New York, N. Y. Ladies' silk underwear. 390,664; Sept. 30; Serial No. 443,187; published July 1, 1941. Class 39.
Ford, J. B., Sales Company, The, Wyandotte, Mich. Magazine published periodically. 390,639; Sept. 30; Serial No. 442,865; published July 15, 1941. Class 38.
Frederics, E., Inc., New York, N. Y. Pads used in the permanent waving of hair. 390,665; Sept. 30; Serial No. 443,189; published July 22, 1941. Class 44.
Frigid Process Company. (See Rasmusson, Marlin B.)
Frost Cooked Foods, Inc., Boston, Mass. Cooked food products. 390,627; Sept. 30; Serial No. 442,657; published July 22, 1941. Class 46.
Furniture Sales Service Corporation, Chicago, Ill. Order blanks, data books, folders, etc. 390,646; Sept. 30; Serial No. 443,002; published July 22, 1941. Class 37.
Gaines, M. Charles, New York, N. Y. Magazine publication. 390,669; Sept. 30; Serial No. 443,225; published July 22, 1941. Class 38.
Gaines, M. Charles, New York, N. Y. Magazine publication. 390,670; Sept. 30; Serial No. 443,227; published July 22, 1941. Class 38.
Galumbeck & Co., Asheville, N. C. Hosiery and sweaters for men, women, and children. 390,722; Sept. 30; Serial No. 444,120; published July 22, 1941. Class 39.
Georgia Marble Company, The, Tate, Ga. Finished marble, marble cut to size, and cut stone. 145,673–4; renewed Aug. 16, 1941.
Georgia Marble Company, The, Tate, Ga. Marble cut to size, finished marble, and cut stone. 147,607; renewed Oct. 25, 1941.
Gero Products, Inc., South Boston, Mass. First aid treated gauze pads or strips. 390,704; Sept. 30; Serial No. 443,759; published July 22, 1941. Class 44.
Gilmore Oil Company, Los Angeles, Calif. Petroleum products. 390,707; Sept. 30; Serial No. 443,840; published July 22, 1941. Class 15.
Gimbel Brothers, Inc., New York, N. Y. Women's apparel. 390,629; Sept. 30; Serial No. 442,700; published July 22, 1941. Class 39.
Goldfarb, Samuel J., New York, N. Y. Ladies' housedresses and aprons. 390,739; Sept. 30. Class 39.
Goldfarb, Samuel J., New York, N. Y. Ladies' housedresses and aprons. 390,747; Sept. 30. Class 39.
Goldsmith Bros., New York, N. Y. Gummed Celluloid index strips. 390,750; Sept. 30. Class 37.

Granite Hosiery Mills, Inc., Souderton, Pa. Ladies' full fashioned hosiery. 390,683–4; Sept. 30; Serial Nos. 443,457–8; published July 22, 1941. Class 39.
Greis, H. N., as trustee for Deep Rock Oil Corporation, Tulsa, Okla. Lubricating oil. 390,607; Sept. 30; Serial No. 441,961; published July 22, 1941. Class 15.
Gunn-Hinerman Tire Co., Amarillo, Tex. Trading stamps and printed booklets for saving accumulations of such trading stamps. 390,592; Sept. 30; Serial No. 441,133; published July 15, 1941. Class 38.
Hagley, Olive L., doing business as Hagley Candy Company, Chicago, Ill. Candies. 390,605; Sept. 30; Serial No. 441,866; published July 22, 1941. Class 46.
Hanson & Van Winkle Company, The, Newark, assignor to Hanson-Van Winkle-Munning Company, Matawan, N. J. Preparation for cleaning metals. 149,097; renewed Dec. 6, 1941.
Hargreaves, Willis B., Portland, Oreg. Collapsible portable machine for photographing objects at a fixed focus, aperture, lighting, and timing. 390,606; Sept. 30; Serial No. 441,912; published July 22, 1941. Class 26.
Harrison, Robert. (See Moran, Earl S.)
Hawley & Hoops, New York, N. Y. Candy. 146,765; renewed Sept. 20, 1941.
Helvetia Milk Condensing Company, Highland, Ill., assignor to Pet Milk Company, St. Louis, Mo. Sweetened, unsweetened, full-cream evaporated, and condensed milk, and unsweetened whole-cream milk. 148,664–5; renewed Nov. 22, 1941.
Herman Bros. Undergarments, Inc., New York, N. Y. Ladies' undergarment slips. 390,753; Sept. 30. Class 39.
Hickey Freeman Company, Rochester, N. Y. Men's suits and topcoats. 390,634; Sept. 30; Serial No. 442,752; published July 8, 1941. Class 39.
Hi-Speed Tire and Accessory Company, Toledo, Ohio. Domestic service electrical devices. 390,567; Sept. 30; Serial No. 436,725; published July 22, 1941. Class 21.
Hopp Press, Incorporated, The, New York, N. Y. Laminated printed sheets and printed matter. 390,579; Sept. 30; Serial No. 439,389; published June 17, 1941. Class 38.
Horn, D. E., and Company, York, Pa. Poultry feed, dairy-cattle feed, horse feed, etc. 390,741; Sept. 30. Class 46.
Howell, David. (See Armor, Morris H.)
Independent Lock Company, Fitchburg, Mass. Builder's hardware. 390,572; Sept. 30; Serial No. 437,682; published July 22, 1941. Class 13.
Industrial Chemical Company, assignor to West Virginia Pulp and Paper Company, New York, N. Y. Chemical and medicinal preparations. 148,866; renewed Nov. 29, 1941.
Industrial Undergarment Corporation, Poughkeepsie, N. Y. Slips. 390,611; Sept. 30; Serial No. 442,131; published July 1, 1941. Class 39.
Inland Container Corporation, Indianapolis, Ind. Comparatively rigid shipping container for bicycles sold in trade empty. 390,680; Sept. 30; Serial No. 443,416; published July 22, 1941. Class 2.
Interwoven Stocking Company, New Brunswick, N. J. Hosiery. 390,585; Sept. 30; Serial No. 440,596; published July 8, 1941. Class 39.
Johns-Manville Corporation, New York, N. Y. Fireproof insulating materials. 390,701; Sept. 30; Serial No. 443,721; published July 22, 1941. Class 12.
Kahn, Samuel B., doing business as Central Monogram Jewelry Works, Chicago, Ill. Cuff-buttons and cuff-links. 145,971; renewed Aug. 23, 1941.
Karpen, S., & Bros., Lexington, Ky. Furniture. 390,742; Sept. 30. Class 32.
Kellogg Company, Battle Creek, Mich. Collections of recipes and/or menus issued from time to time. 390,619; Sept. 30; Serial No. 442,417; published July 15, 1941. Class 38.
Kimberly-Clark Corporation, Neenah, Wis. Shoe counter material. 390,601; Sept. 30; Serial No. 441,705; published July 22, 1941. Class 50.
Langendorf United Bakeries, Inc., San Francisco, Calif. Bread. 390,553; Sept. 30; Serial No. 424,325; published July 22, 1941. Class 46.
Lewisburg Chair and Furniture Co., Lewisburg, Pa. Chairs, settees, tables, etc. 390,743; Sept. 30. Class 32.
Libbey Glass Company, Toledo, Ohio. Vases, decanters, bowls, etc., all made of glass. 390,738; Sept. 30. Class 33.
Lish, Samuel, New York, N. Y. Hats, berets, and tam-o-shanters. 390,614; Sept. 30; Serial No. 442,237; published July 22, 1941. Class 39.
Little Countess Girls Coats Co., Inc., New York, N. Y. Coats, capes, skirts, etc. 390,560; Sept. 30; Serial No. 432,708; published July 22, 1941. Class 39.
Livingston, Thomas O., doing business as Livingston Laboratories, Worchester, Mass. Photographic paper prints and enlargements. 390,675; Sept. 30; Serial No. 443,367; published July 22, 1941. Class 38.
Longhorn Roofing Products, Inc., Dallas, Tex. Composition roofing materials. 390,608; Sept. 30; Serial No. 443,695; published uly 22, 1941. Class 12.
Lopez, Calixto, & Co., Jersey City, N. J. Cigars. 390,590; Sept. 30; Serial No. 440,912; published July 22, 1941. Class 17.
Lord's Sportwear, Inc., New York, N. Y. Ladies' dresses of rayon, cotton, silk, and wool. 390,717; Sept. 30; Serial No. 444,040; published July 22, 1941. Class 39.
Lowe, Joe, Corporation. (See Rasmusson, Marlin B.)
Mandelbaum Coats, Inc., New York, N. Y. Textile fabrics in the piece. 390,758; Sept. 30. Class 42.
Manhattan Undergarment Co., Inc., New York, N. Y. Ladies' and misses' slips. 390,566; Sept. 30; Serial No. 435,214; published July 8, 1941. Class 39.
Manning, John A., Paper Company, Inc., Troy, N. Y. Electrical insulating paper. 390,636; Sept. 30; Serial No. 442,792; published July 22, 1941. Class 21.
Marlene Sportwear Co., Inc., New York, N. Y. Ladies and Misses' skirts. 390,642; Sept. 30; Serial No. 442,910; published July 22, 1941. Class 39.
McLarty, Howard, to Randolph McLarty, Monroe, N. C., successor. Pharmaceutical preparation for treating certain named diseases. 139,831; renewed Feb. 22, 1941.
Mastrud, Conrad D., Oak Park, Ill. Electric motor-operated tooth brush apparatus. 390,616; Sept. 30; Serial No. 442,326; published July 22, 1941. Class 21.
Medicas Corporation, New York, N. Y. Periodical. 390,612; Sept. 30; Serial No. 442,176; published July 8, 1941. Class 38.
Melville, John, doing business as John Melville & Co., New York, N. Y. Statuettes. 390,588; Sept. 30; Serial No. 440,826; published July 22, 1941. Class 50.
Mikina Manufacturing Company, Detroit, Mich. Scalp massaging and exercising apparatus. 390,620; Sept. 30; Serial No. 442,420; published July 22, 1941. Class 44.
Moran, Earl S., and Robert Harrison, assignors to Beauty Parade, Inc., New York, N. Y. Periodical published from time to time. 390,589; Sept. 30; Serial No. 440,871; published July 15, 1941. Class 38.
Morris, Mann & Reilly, to Morris, Mann & Reilly, Inc., Chicago, Ill., successor. Powder puffs. 151,197; renewed Jan. 24, 1942.
Mother Hubbard Cake Co., Inc., Chicago, Ill. Combined concentrated soup mix. 390,550; Sept. 30; Serial No. 432,092; published Jan. 14, 1941. Class 46.
Mother Hubbard Cake Co., Inc., Chicago, Ill. Dehydrated parsley flakes. 390,562; Sept. 30; Serial No. 434,540 published Feb. 4, 1941. Class 46.
Munsenmaier Baking Co. Inc., Forest Hills, L. I., N. Y. Baker's bread. 390,571; Sept. 30; Serial No. 437,141; published July 22, 1941. Class 46.
National Lead Company, New York, N. Y. Linseed meal. 390,603; Sept. 30; Serial No. 441,740; published July 22, 1941. Class 46.
Nekoosa-Edwards Paper Company, Port Edwards, Wis. Wrapping paper. 390,751; Sept. 30. Class 37.
Nekoosa-Edwards Paper Company, Port Edwards, Wis. Duplicating paper. 390,613; Sept. 30; Serial No. 442,203; published July 22, 1941. Class 37.
Neville Company, The, Neville Island, Pittsburgh, Pa. Coumarone-indene, or so called coumarone or para-coumarone, resins, etc. 390,557; Sept. 30; Serial No. 431,126; published July 22, 1941. Class 1.
New England Knitting Co., The, Winsted, Conn. Underwear and outerwear. 390,658; Sept. 30; Serial No. 443,131; published July 22, 1941. Class 39.
New England Knitting Co., The, Winsted, Conn. Woven and knitted outerwear. 390,666; Sept. 30; Serial No. 443,204; published July 22, 1941. Class 39.
New England Knitting Co., The, Winsted, Conn. Woven and knitted outerwear. 390,674; Sept. 30; Serial No. 443,338 published July 22, 1941. Class 39.
Newton, Marion W., New York, N. Y. Bed coverings and table coverings. 390,694; Sept. 30; Serial No. 443,615; published July 22, 1941. Class 42.
New York Quebracho Extract Company, New York, N. Y., by change of name to The Tannin Corporation. Tanning extract. 151,563–5; renewed Feb. 7, 1942.
Nienhauser, Bernard A., St. Paul, to Rapinwax Paper Company, Minneapolis, Minn., successor. Wrapping paper. 150,920; renewed Jan. 10, 1942.
Old Colony Knitting Mills, Inc., Hingham, Mass. Sweaters for children, misses, women, and men. 390,685; Sept. 30; Serial No. 443,463; published July 22, 1941. Class 39.
Olympic Knitwear, Inc., New York, N. Y. Ladies' knitted sweaters. 390,574; Sept. 30; Serial No. 438,147; published Feb. 4, 1941. Class 39.
Paramount Childrens Dress Corp., New York, N. Y. Misses' and girls' and childrens' dresses, blouses, skirts and jackets. 390,754; Sept. 30. Class 39.
Parents' Institute, Inc., The, New York, N. Y. Publication. 390,708; Sept. 30; Serial No. 443,856; published July 22, 1941. Class 38.
Peerless Childrens Garments, New York, N. Y. Children's dresses. 390,693; Sept. 30; Serial No. 443,578; published July 8, 1941. Class 39.
Perlman, Hy, & Co. Inc., New York, N. Y. Ladies' underwear. 390,656; Sept. 30; Serial No. 443,100; published July 1, 1941. Class 39.
Pet Milk Company. (See Helvetia Milk Condensing Company, assignor.)
Pharis Tire and Rubber Company, The, Newark, Ohio. Rubber and rubber containing pneumatic tires and tubes. 390,732; Sept. 30; Serial No. 444,415; published July 22, 1941. Class 35.

Phoenix Hosiery Company, Milwaukee, Wis. Silk hosiery. 390,676; Sept. 30; Serial No. 443,372; published July 8, 1941. Class 39.
Placentia Pioneer Valencia Growers Assn., Fullerton, Calif. Fresh citrus fruits. 390,702; Sept. 30; Serial No. 443,732; published July 22, 1941. Class 46.
Plough Chemical Company, assignor to Plough, Inc., Memphis, Tenn. Medicinal and toilet preparations. 148,723–4; renewed Nov. 22, 1941.
Plough Chemical Company, assignor to Plough, Inc., Memphis, Tenn. Medicine for rheumatism, gout, sciatica, etc. 148,916 renewed Nov. 29, 1941.
Porcelain Enamel & Mfg. Co. of Baltimore, The, Baltimore, Md. Enamel frits, ceramic coloring oxides and opacifiers. 390,630–2; Sept. 30; Serial Nos. 442,721–3; published July 22, 1941. Class 1.
Powell-Savory Corp., New York, N. Y. Weekly newspaper. 390,667; Sept. 30; Serial No. 443,206; published July 8, 1941. Class 38.
Precision Thermometer and Instrument Company, Philadelphia, Pa. Sphygmomanometers, thermometers, hydrometers, etc. 147,386; renewed Oct. 11, 1941.
Queen Maid Underwear Co., Inc., Milltown, N. J. Women's and girl's underwear. 390,740; Sept. 30. Class 39.
Quiz Kids, Inc., assignor to Louis G. Cowan, Chicago, Ill. Question and answer games, card games, table board games, etc. 390,568; Sept. 30; Serial No. 436,905; published July 22, 1941. Class 22.
Rapinwax Paper Company. (See Nienhauser, Bernard A.)
Rasmusson, Marlin B., doing business as Frigid Process Company, Sacramento, Calif., assignor to Joe Lowe Corporation, New York, N. Y. Frozen confections. 390,734; Sept. 30. Class 46.
Raybestos-Manhattan, Inc., Passaic, N. J. Flax, jute asbestos, and rubber machinery packing, rubber and asbestos gaskets, etc. 390,682; Sept 30; Serial No. 443,433; published July 22, 1941. Class 35.
Red Head Brand Company, Chicago, Ill. Caps, coats, pants, etc. 390,595; Sept. 30; Serial No. 441,413; published July 22, 1941. Class 39.
Research Products Corporation, Madison, Wis. Air filters for use with heating, and ventilating equipment, etc. 390,640; Sept. 30; Serial No. 442,877; published July 22, 1941. Class 34.
Rubyette Co. (See S and W Fine Foods, Inc.)
Russell, Lillian, Kew Gardens, N. Y. Costume jewelry not including watches, finger rings, bracelets, etc. 390,556; Sept. 30; Serial No. 431,100; published July 22, 1941. Class 28.
Rutherford Coat Co., Inc., New York, N. Y. Coats, suits, capes, skirts, etc. 390,759; Sept. 30. Class 39.
S & B Lederer Co., Providence, R. I. Ornamental jewelry. 390,681; Sept. 30; Serial No. 443,420; published July 22, 1941. Class 28.
S. and S. Leather Company, Colchester, Conn. Bill folds, key cases. 390,641; Sept. 30; Serial No. 442,878; published July 22, 1941. Class 3.
S and W Fine Foods, Inc., doing business as The Rubyette Co., San Francisco, Calif. Canned baked beans and brown bread. 390,647; Sept. 30; Serial No. 443,016; published July 22, 1941. Class 46.
San-Nap-Pak Mfg. Co., Inc., New York, N. Y. Cleansing tissue. 390,659; Sept. 30; Serial No. 443,136; published July 22, 1941. Class 37.
Schneider, William, doing business as Vanity Blouse & Sportswear, New York, N. Y. Spun rayon fabrics in the piece. 390,721; Sept. 30; Serial No. 444,098; published July 22, 1941. Class 42.
Scullin Steel Co., assignor, by mesne assignments, to Scullin Steel Company, St. Louis, Mo. Railway-car accessories. 147,683; renewed Oct. 25, 1941.
Sears, Roebuck and Co., doing business as David Bradley Manufacturing Works, Chicago, Ill. Corn planters. 390,625; Sept. 30; Serial No. 442,607; published July 22, 1941. Class 23.
Select Sportswear, Inc., New York, N. Y. Ladies' and misses' knitted sport sweaters. 390,648; Sept. 30; Serial No. 443,019; published July 8, 1941. Class 39.
Seneca Textile Corporation, New York, N. Y. Cotton, rayon, acetate, and/or silk piece goods. 390,726; Sept. 30; Serial No. 444,202; published July 22, 1941. Class 42.
Shlansky, Philip, & Bro., Inc., New York, N. Y. Pile fabric and cloth coats and suits. 390,577; Sept. 30; Serial No. 438,745; published July 22, 1941. Class 39.
Siegel, A. L., Co., Inc., Newark, N. J. Transparent receptacles or parts of receptacles. 390,580; Sept. 30; Serial No. 439,839; published July 22, 1941. Class 2.
Siegel, A. L., Co., Inc., Newark, N. J. Transparent receptacles or parts of receptacles. 390,624; Sept. 30; Serial No. 442,570; published July 22, 1941. Class 2.
Slipco, Shelton, Conn. Women's slips. 390,690; Sept. 30; Serial No. 443,544; published July 22, 1941. Class 39.
Southern Coal Company, Incorporated, Memphis, Tenn. Coal. 390,652; Sept. 30; Serial No. 443,058; published July 22, 1941. Class 1.
Southwest Magazine Co., Inc., The, Fort Worth, Tex. Weekly newspaper. 390,575; Sept. 30; Serial No. 438,158; published May 27, 1941. Class 38.
Southwest Wheel, Dallas, Tex. Storage batteries. 390,748; Sept. 30. Class 21.
Sovereign Grand Lodge of the I. O. O. F., Baltimore, Md. Robes and regalia. 390,584; Sept. 30; Serial No. 440,564; published July 22, 1941. Class 39.
Spalding Sales Corporation, Chicopee, Mass. Golf balls. 390,713; Sept. 30; Serial No. 443,958; published July 22, 1941. Class 22.
Specialty Products Company, Jersey City, N. J. Hosiery of silk, cotton, wool, etc. 390,602; Sept. 30; Serial No. 441,713; published July 1, 1941. Class 39.
Speidel Corporation, Providence, R. I. Bracelets and bracelet and jewelry chains generally. 390,626; Sept. 30; Serial No. 442,611; published July 22, 1941. Class 28.
Spokane Dry Goods Company, Spokane, assignor to Black Manufacturing Co., Seattle, Wash. Mackinaws and overcoats. 149,244; renewed Dec. 6, 1941.
Squirt Company, The, Beverly Hills, Calif. Monthly trade publication. 390,686; Sept. 30; Serial No. 443,465; published July 8, 1941. Class 38.
Standard Knitting Mills, Inc., Knoxville, Tenn. Athletic shirts, shorts and knitted underwear for men, boys, women, and girls. 390,733; Sept. 30; Serial No. 444,550; published July 22, 1941. Class 39.
State of New York, The, Saratoga Springs, N. Y. Natural mineral water. 146,609–11; renewed Sept. 13, 1941.
State of New York, The, Saratoga Springs, N. Y. Natural mineral water. 148,539; renewed Nov. 15, 1941.
State of New York, The, Saratoga Springs, N. Y. Natural mineral water. 150,124; renewed Dec. 27, 1941.
Steinberg, Kurt. (See Wallach, P., and Steinberg.)
Stetson, John B., Company, Philadelphia, Pa. Hats for men, women, and children. 390,581; Sept. 30; Serial No. 440,103; published June 17, 1941. Class 39.
Stevens, Chas. A., & Co., Chicago, Ill. Children's clothing. 390,582; Sept. 30; Serial No. 440,182; published July 22, 1941. Class 39.
Stok-A-Fire Company, Inc., University City, Mo. Dry refractory material. 390,709–10; Sept. 30; Serial Nos. 443,864–5; published July 22, 1941. Class 12.
Stowe-Woodward, Inc., Newton and Newton Upper Falls, Mass. Bowling balls. 390,711; Sept. 30; Serial No. 443,896; published July 22, 1941. Class 22.
Strathmore Co-Operative Association, Strathmore, Calif. Fresh citrus fruits. 390,724; Sept. 30; Serial No. 444,166; published July 22, 1941. Class 46.
Sullivan, Ruby F., doing business as Mrs. Sullivan's Pie Shop, Jackson, Tenn. Pies. 390,591; Sept. 30; Serial No. 441,001; published July 22, 1941. Class 46.
Superb Glove Co., The, Johnstown and New York, N. Y. Men's, women's, and children's gloves. 390,695; Sept. 30; Serial No. 443,671; published July 22, 1941. Class 39.
Swift and Company, Chicago, Ill. Sausage. 390,569; Sept. 30; Serial No. 436,824; published July 15, 1941. Class 46.
Tailored Silk Undergarment Co., by merger to Tailored Silk Undergarment Co. Inc., New York, N. Y. Underwear—namely, chemises, bloomers, camisoles, etc. 149,256; renewed Dec. 6, 1941.
Tannin Corporation, The. (See New York Quebracho Extract Company.)
Thayer McNeil Company, Boston, Mass. Boots and shoes. 390,696; Sept. 30; Serial No. 443,672; published July 22, 1941. Class 39.
Thompson, James, & Co. Inc., New York, N. Y. Buckrams. 390,731; Sept. 30; Serial No. 444,290; published July 22, 1941. Class 42.
Tilden, S. G., Inc., Brooklyn, N. Y. Adhesive binding material formed of asbestos sheets. 390,596; Sept. 30; Serial No. 441,418; published July 22, 1941. Class 5.
Tom Thumb Tray Company. (See Bane, John B.)
Toy Manufacturers of the U. S. A., Inc., New York, N. Y. Publications, directories, catalogues, pamphlets, etc. 390,597; Sept. 30; Serial No. 441,495; published July 15, 1941. Class 38.
Trans-Lux Ad-News Corporation, New York, N. Y. Electric display signs. 390,609; Sept. 30; Serial No. 442,055; published July 22, 1941. Class 21.
Treesweet Products Co., Santa Ana, Calif. Canned citrus fruit juices. 390,633; Sept. 30; Serial No. 442,738; published July 22, 1941. Class 46.
Treo Company, Inc., New York, N. Y. Girdles, corsets, brassières, etc. 390,660; Sept. 30; Serial No. 443,142; published July 22, 1941. Class 39.
Twin Disc Clutch Company, Racine, Wis. Hydraulic torque converters and hydraulic couplings. 390,561; Sept. 30; Serial No. 433,110; published July 22, 1941. Class 23.
Tye-Set Shirt Company, New York, N. Y. Shirts. 390,735; Sept. 30. Class 39.
Ulmann, Bernhard, Co. Inc., New York, N. Y. Knitting needles for hand use. 390,649; Sept. 30; Serial No. 443,025; published July 22, 1941. Class 40.
Van Arsdale, M. G., Inc., New York, N. Y. Footwear. 390,671; Sept. 30; Serial No. 443,309; published July 22, 1941. Class 39.
Vanity Blouse & Sportswear. (See Schneider, William.)
Vanity Fair Silk Mills, Reading, Pa. Underwear and sleeping garments, etc. 390,578; Sept. 30; Serial No. 439,131; published Apr. 29, 1941. Class 39.
Viramontes, Roberto E., San Antonio, Tex. Devotional lights or candles. 390,752; Sept. 30. Class 15.
Visionator, Inc., Chicago, Ill. Window sash and window frames. 390,712; Sept. 30; Serial No. 443,898; published July 22, 1941. Class 12.

Von Bremen, Asche & Co., assignor to Von Bremen-Asche de Bruyn, Inc., New York, N. Y. Sardines and olive oil. 146,015; renewed Aug. 23, 1941.
Wallach, Paul, and Kurt Steinberg, New York, N. Y. Neckties, scarfs, and handkerchiefs. 390,637; Sept. 30; Serial No. 442,810; published July 22, 1941. Class 39.
Wanamaker, John, Philadelphia, Philadelphia, Pa. Women's and misses' shoes. 390,654; Sept. 30; Serial No. 443,005; published July 22, 1941. Class 39.
Webster Rubber Company, Warren, Ohio. Rubber or rubber-containing bands. 390,716; Sept. 30; Serial No. 444,025; published July 22, 1941. Class 35.
Weekly Publications, Inc., New York, N. Y. Department or section of a weekly magazine. 390,621–2; Sept. 30; Serial Nos. 442,467–8; published July 15, 1941. Class 38.
Wembley, Inc., New Orleans, La. Neckties and scarfs. 390,628; Sept. 30; Serial No. 442,678; published July 22, 1941. Class 39.
Wertheim, Alex., Knitwear, Inc., New York, N. Y. Men's, women's, and children's sport shirts, polo shirts, slacks, etc. 390,576; Sept. 30; Serial No. 438,496; published July 15, 1941. Class 39.
West Virginia Pulp and Paper Company. (See Industrial Chemical Company, assignor.)
Western Auto Supply Company, Los Angeles, Calif. Vacuum cleaners and sewing machines. 390,650; Sept. 30; Serial No. 443,028; published July 22, 1941. Class 23.
White, S. S., Dental Manufacturing Company, The, Philadelphia, Pa. Fibrous gold for filling teeth. 146,625; renewed Sept. 13, 1941.
Williams, J. H., & Co., Brooklyn, to J. H. Williams & Co., Buffalo, N. Y. Drop forgings, castings, stampings, steels, and high-speed steels. 151,644; renewed Feb. 7, 1942.
Wimelbacher & Rice, New York, N. Y. Ladies' leather and fabric gloves. 390,705–6; Sept. 30; Serial Nos. 443,790–1; published July 22, 1941. Class 39.
Young, L. A., Spring and Wire Corporation, Detroit, Mich. Spring inner mats for cushions, mattresses, and upholstered furniture. 390,714; Sept. 30; Serial No. 443,964; published July 22, 1941. Class 32.
Z. & R. Merchandise Co., New York, N. Y. Underwear, slips, panties etc. 390,635; Sept. 30; Serial No. 443,099; published July 22, 1941. Class 39.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Southern Coal Company, Incorporated. 390,652; Sept. 30; Serial No. 443,058; published July 22, 1941.
Coumarone-indene, or so called coumarone or para-coumarone, resins, etc. Neville Company. 390,557; Sept. 30; Serial No. 431,126; published July 22, 1941.
Enamel frits, ceramic coloring oxides and opacifiers. Porcelain Enamel & Mfg. Co. of Baltimore. 390,630–2; Sept. 30; Serial Nos. 442,721–3; published July 22, 1941.

CLASS 2

Shipping container for bicycles sold in trade empty, Comparatively rigid. Inland Container Corporation. 390,680; Sept. 30; Serial No. 443,416; published July 22, 1941.
Transparent receptacles or parts of receptacles. A. L. Siegel Co., Inc. 390,580; Sept. 30; Serial No. 439,839; published July 22, 1941.
Transparent receptacles or parts of receptacles. A. L. Siegel Co., Inc., 390,624; Sept. 30; Serial No. 442,570; published July 22, 1941.
Trays, Service. J. B. Bane. 390,554; Sept. 30; Serial No. 430,537; published July 22, 1941.

CLASS 3

Bill folds, key cases. S. and S. Leather Company. 390,641; Sept. 30; Serial No. 442,878; published July 22, 1941.
Portfolios, handbags, pocketbooks, wallets, etc. Belvidere Strap Co. Inc. 390,602; Sept. 30; Serial No. 443,551; published July 22, 1941.

CLASS 4

Preparation for cleaning metals. Hanson & Van Winkle Company. 149,097; renewed Dec. 6, 1941.

CLASS 5

Adhesive binding material formed of asbestos sheets. S. G. Tilden, Inc. 390,596; Sept. 30; Serial No. 441,418; published July 22, 1941.
Adhesive shoe cement. Compo Shoe Machinery Corporation. 390,715; Sept. 30; Serial No. 443,975; published July 22, 1941.

CLASS 6

Chemical and medicinal preparations. Industrial Chemical Company. 148,866; renewed Nov. 29, 1941.
Medicinal and toilet preparations. Plough Chemical Company. 148,723–4; renewed Nov. 22, 1941.
Medicinal preparation for the treatment of general and chronic constipation. Delson Chemical Co. 146,079; renewed Aug. 30, 1941.
Medicine for rheumatism, gout, sciatica, etc. Plough Chemical Company. 148,916; renewed Nov. 29, 1941.
Pharmaceutical preparation. H. McLarty. 139,831; renewed Feb. 22, 1941.
Tanning extracts. New York Quebracho Extract Company. 151,563–5; renewed Feb. 7, 1942.

CLASS 10

Fertilizers. C. Anderson & Co. 390,594; Sept. 30; Serial No. 441,301; published July 22, 1941.

CLASS 11

Ribbons and carbon sheets for duplicating or transferring impressions, Inked. Columbia Carbon Company. 151,716; renewed Feb. 14, 1942.

CLASS 12

Composition roofing materials. Longhorn Roofing Products, Inc. 390,698; Sept. 30; Serial No. 443,695; published July 22, 1941.
Dry refractory material. Stok-A-Fire Company. 390,709–10; Sept. 30; Serial Nos. 443,864–5; published July 22, 1941.
Fireproof insulating materials. Johns-Manville Corporation. 390,701; Sept. 30; Serial No. 443,721; published July 22, 1941.
Marble and cut stone. Georgia Marble Company. 147,607; renewed Oct. 25, 1941.
Marble, marble cut to size, and cut stone. Georgia Marble Company. 145,673–4; renewed Aug. 16, 1941.
Sheets of felted fibrous material, roofing and shingles, etc. Certain-Teed Products Corporation. 390,563; Sept. 30; Serial No. 434,594; published July 22, 1941.
Sheets of felted fibrous material, roofing, and shingles, etc. Certain-Teed Products Corporation. 390,565; Sept. 30; Serial No. 434,968; published July 22, 1941.
Window sash and window frames. Visionator, Inc. 390,712; Sept. 30; Serial No. 443,898; published July 22, 1941.

CLASS 13

Hardware, Builder's. Independent Lock Company. 390,572; Sept. 30; Serial No. 437,682; published July 22, 1941.
Milking parlor stalls and stanchions and multiple stall milking parlor units. Babson Bros. Co. 390,651; Sept. 30; Serial No. 443,034; published July 22, 1941.

CLASS 14

Forgings, castings, stampings, etc. J. H. Williams & Co. 151,644; renewed Feb. 7, 1942.

CLASS 15

Candles. Emery Industries, Inc. 390,689; Sept. 30; Serial No. 443,485; published July 22, 1941.
Devotional lights or candles. R. E. Viramontes. 390,752; Sept. 30.
Oil, Lubricating. H. N. Greis. 390,607; Sept. 30; Serial No. 441,961; published July 22, 1941.
Oils, Lubricating. Columbia-Bedford Corporation. 390,673; Sept. 30; Serial No. 443,320; published July 22, 1941.
Petroleum products. Gilmore Oil Company. 390,707; Sept. 30; Serial No. 443,840; published July 22, 1941.

CLASS 17

Cigars. C. Lopez & Co. 390,590; Sept. 30; Serial No. 440,912; published July 22, 1941.

CLASS 19

Railway-car accessories. Scullin Steel Co. 147,683; renewed Oct. 25, 1941.

CLASS 21

Batteries, Storage. Southwest Wheel. 390,748; Sept. 30.
Domestic service electrical devices. Hi-Speed Tire and Accessory Company. 390,567; Sept. 30; Serial No. 436,725; published July 22, 1941.
Electric display signs. Trans-Lux Ad-News Corporation. 390,609; Sept. 30; Serial No. 442,055; published July 22, 1941.
Electric motor-operated tooth brush apparatus. C. D. Mastrud. 390,616; Sept. 30; Serial No. 442,326; published July 22, 1941.
Electrical controlling devices of the carbon-pile rheostat type. Allen-Bradley Company. 151,417; renewed Feb. 7, 1942.

Fixture type splicing connector made of porcelain. D. Eisenstat. 390,604; Sept. 30; Serial No. 441,861; published July 22, 1941.
Magnets, magnetic clutches, and magnetic separators. Dings Magnetic Separator Co. 390,697; Sept. 30; Serial No. 443,689; published July 22, 1941.
Paper, Electrical insulating. J. A. Manning Paper Company, Inc. 390,636; Sept. 30; Serial No. 442,792; published July 22, 1941.

CLASS 22

Bowling balls. Stowe-Woodward, Inc. 390,711; Sept. 30; Serial No. 443,896; published July 22, 1941.
Golf balls. Spalding Sales Corporation. 390,713; Sept. 30; Serial No. 443,958; published July 22, 1941.
Question and answer games, card games, table board games, etc. Quiz Kids, Inc. 390,568; Sept. 30; Serial No. 436,905; published July 22, 1941.

CLASS 23

Corn planters. Sears, Roebuck and Co. 390,625; Sept. 30; Serial No. 442,607; published July 22, 1941.
Hydraulic torque converters and hydraulic couplings. Twin Disc Clutch Company. 390,561; Sept. 30; Serial No. 433,110; published July 22, 1941.
Machines for cutting or grinding garbage or the like. Edison General Electric Appliance Company. 390,615; Sept. 30; Serial No. 442,315; published July 22, 1941.
Vacuum cleaners and sewing machines. Western Auto Supply Company. 390,650; Sept. 30; Serial No. 443,028; published July 22, 1941.

CLASS 24

Laundry washing machines. Altorfer Bros. Company. 390,583; Sept. 30; Serial No. 440,401; published July 22, 1941.

CLASS 26

Cinematographic and photographic apparatus and accessories thereto. Boi, Ltd. 390,598–600; Sept. 30; Serial Nos. 441,665–7; published June 24, 1941.
Machine for photographing objects at a fixed focus, aperture, lighting, and timing. Collapsible portable. W. B. Hargreaves. 390,606; Sept. 30; Serial No. 441,912; published July 22, 1941.
Sphygmomanometers, thermometers, hydrometers, etc. Precision Thermometer and Instrument Company. 147,386; renewed Oct. 11, 1941.

CLASS 28

Bracelets and bracelet and jewelry chains generally. Speidel Corporation. 390,626; Sept. 30; Serial No. 442,611; published July 22, 1941.
Costume jewelry not including watches, finger rings, bracelets, etc. L. Russell. 390,556; Sept. 30; Serial No. 431,100; published July 22, 1941.
Cuff-buttons and cuff-links. S. B. Kahn. 145,971; renewed Aug. 23, 1941.
Necklaces and bracelets, finger rings, earrings, etc. American and Continental Patented Products Inc. 390,687–8; Sept. 30; Serial Nos. 443,472–3; published July 22, 1941.
Ornamental jewelry. S and B Lederer Co. 390,681; Sept. 30; Serial No. 443,420; published July 22, 1941.

CLASS 29

Brooms and brooms in combination with a dust pan attachment. Charleston Broom Manufacturing Company. 390,610; Sept. 30; Serial No. 442,058; published July 22, 1941.
Paint brushes. Devoe & Raynolds Company. 390,573; Sept. 30; Serial No. 437,856; published July 22, 1941.
Powder puffs. Morris, Mann & Reilly. 151,197; renewed Jan. 24, 1942.

CLASS 32

Chairs, settees, tables, etc. Lewisburg Chair and Furniture Co. 390,743; Sept. 30.
Furniture. S. Karpen & Bros. 390,742; Sept. 30.
Furniture, buffets, sideboards, tables, etc. Drexel Furniture Company. 390,593; Sept. 30; Serial No. 441,159; published July 22, 1941.
Spring inner mats for cushion, mattresses, and upholstered furniture. L. A. Young Spring and Wire Corporation, 390,714; Sept. 30; Serial No. 443,964; published July 22, 1941.
Tables. Atlumor Manufacturing Co. 390,668; Sept. 30; Serial No. 443,216; published July 22, 1941.

CLASS 33

Vases, decanters, bowls, etc., made of glass. Libbey Glass Company. 390,738; Sept. 30.

CLASS 34

Air filters for use with heating and ventilating equipment, etc. Research Products Corporation. 390,640; Sept. 30; Serial No. 442,877; published July 22, 1941.
Air flow control dampers, damper mounting and operating parts, etc. Controlair, Incorporated. 390,737; Sept. 30.
Water heaters, Gas. Combustion Engineering Company, Inc. 390,618; Sept. 30; Serial No. 442,389; published July 22, 1941.

CLASS 35

Fabric cups. Darling Valve & Manufacturing Company. 390,719; Sept. 30; Serial No. 444,074; published July 22, 1941.
Flax, jute asbestos, and rubber machinery packing, rubber and asbestos gaskets, etc. Raybestos-Manhattan, Inc. 390,682; Sept. 30; Serial No. 443,433; published July 22, 1941.
Rubber and rubber containing pneumatic tires and tubes. Pharis Tire and Rubber Company. 390,732; Sept. 30; Serial No. 444,415; published July 22, 1941.
Rubber or rubber-containing bands. Webster Rubber Company. 390,716; Sept. 30; Serial No. 444,025; published July 22, 1941.

CLASS 36

Musical instrument. Chicago Musical Instrument Company. 390,635; Sept. 30; Serial No. 442,781; published July 22, 1941.

CLASS 37

Artificial ribbons. Celanese Corporation of America. 390,663; Sept. 30; Serial No. 443,154; published July 22, 1941.
Cleansing tissue. San-Nap-Pak Mfg. Co. 390,659; Sept. 30; Serial No. 443,136; published July 22, 1941.
Index strips, Gummed Celluloid. Goldsmith Bros. 390,750; Sept. 30.
Order blanks, data books, folders, etc. Furniture Sales Service Corporation. 390,646; Sept. 30; Serial No. 443,002; published July 22, 1941.
Paper, Duplicating. Nekoosa-Edwards Company. 390,613; Sept. 30; Serial No. 442,203; published July 22, 1941.
Paper, Wrapping. Nekoosa-Edwards Paper Company. 390,751; Sept. 30.
Paper, Wrapping. B. A. Nienhauser. 150,920; renewed Jan. 10, 1942.
Paper, Writing. D. L. Dyer. 390,570; Sept. 30; Serial No. 437,126; published July 22, 1941.

CLASS 38

Advertising material. M. H. Armor. 390,564; Sept. 30; Serial No. 434,707; published July 15, 1941.
Cartoons published in a series. All-American Comics, Inc. 390,677; Sept. 30; Serial No. 443,385; published July 8, 1941.
Department or section of a weekly magazine. Weekly Publications, Inc. 390,621–2; Sept. 30; Serial Nos. 442,467–8; published July 15, 1941.
Magazine. J. J. Benas. 390,586; Sept. 30; Serial No. 440,640; published July 15, 1941.
Magazine. J. B. Ford Sales Company. 390,639; Sept. 30; Serial No. 442,865; published July 15, 1941.
Magazine published periodically. All American Comics, Inc. 390,661–2; Sept. 30; Serial Nos. 443,151–2; published July 22, 1941.
Newspaper, Weekly. Powell-Savory Corp. 390,667; Sept. 30; Serial No. 443,206; published July 8, 1941.
Newspaper, Weekly. Southwest Magazine Co. 390,575; Sept. 30; Serial No. 438,158; published May 27, 1941.
Periodical. Fawcett Publications, Inc. 390,644; Sept. 30; Serial No. 442,997; published July 15, 1941.
Periodical. Fawcett Publications, Inc. 390,645; Sept. 30; Serial No. 442,999; published July 15, 1941.
Periodical. Medicas Corporation. 390,612; Sept. 30; Serial No. 442,176; published July 8, 1941.
Periodical. E. S. Moran and R. Harrison. 390,589; Sept. 30; Serial No. 440,871; published July 15, 1941.
Periodical program skits for radio stations. E. Brisacher. 390,703; Sept. 30; Serial No. 443,746; published July 22, 1941.
Photographic paper prints and enlargements. T. O. Livingston. 390,675; Sept. 30; Serial No. 443,367; published July 22, 1941.
Printed sheets and printed matter, Laminated, Hopp Press, Incorporated. 390,579; Sept. 30; Serial No. 439,389; published June 17, 1941.
Publication. Parents' Institute, Inc. 390,708; Sept. 30; Serial No. 443,856; published July 22, 1941.
Publication, books, bulletins, etc. American Turners. 390,643; Sept. 30; Serial No. 442,929; published July 15, 1941.
Publication, Magazine. Detective Comics, Inc. 390,653; Sept. 30; Serial No. 443,072; published July 15, 1941.
Publication, Magazine. Detective Comics, Inc. 390,657; Sept. 30; Serial No. 443,117; published July 15, 1941.
Publication, Magazine. M. C. Gaines. 390,669; Sept. 30; Serial No. 443,225; published July 22, 1941.
Publication, Magazine. M. C. Gaines. 390,670; Sept. 30; Serial No. 443,227; published July 22, 1941.
Publication, Monthly trade. Squirt Company. 390,686; Sept. 30; Serial No. 443,465; published July 8, 1941.
Publications, directories, catalogues, etc. Toy Manufacturers of the U. S. A., Inc. 390,597; Sept. 30; Serial No. 441,495; published July 15, 1941.

Recipes, and/or menus, Collections of. Kellogg Company. 390,619; Sept. 30; Serial No. 442,417; published July 15, 1941.
Stamps and printed booklets. Gunn-Hinerman Tire Co. 390,592; Sept. 30; Serial No. 441,133; published July 15, 1941.
Travel guides. American Motel Association, Inc. 390,691; Sept. 30; Serial No. 443,550; published July 22, 1941.

CLASS 39

Apparel, Women's. Gimbel Brothers, Inc. 390,629; Sept. 30; Serial No. 442,700; published July 22, 1941.
Boots and shoes. Thayer McNeil Company. 390,696; Sept. 30; Serial No. 443,072; published July 22, 1941.
Caps, coats, pants, etc. Red Head Brand Company. 390,595; Sept. 30; Serial No. 441,413; published July 22, 1941.
Clothing, Certain articles of. A. De Pinna Co. 151,736; renewed Feb. 14, 1942.
Clothing, Children's. C. A. Stevens & Co. 390,582; Sept. 30; Serial No. 440,182; published July 22, 1941.
Clothing, Men's. Max Abrams, Inc. 390,672; Sept. 30; Serial No. 443,316; published July 1, 1941.
Coats, capes, skirts, etc. Little Countess Girls Coats Co. 390,560; Sept. 30; Serial No. 432,708; published July 22, 1941.
Coats and suits, Pile fabric and cloth. P. Shlansky & Bro., Inc. 390,577; Sept. 30; Serial No. 438,745; published July 22, 1941.
Coats, suits, jackets, skirts, etc. Rutherford Coat Co. 390,759; Sept. 30.
Coats, wraps, and capes, Ladies' and misses'. A. Brieff. 390,756; Sept. 30.
Collars. Cluett, Peabody & Co. 390,700; Sept. 30; Serial No. 443,714; published July 15, 1941.
Dresses and aprons, Ladies' house. S. J. Goldfarb. 390,739; Sept. 30.
Dresses, blouses, skirts, and jackets, Misses' and girls'. Paramount Childrens Dress Corp. 390,754; Sept. 30.
Dresses, Children's. Peerless Childrens Garments. 390,693; Sept. 30; Serial No. 443,578; published July 8, 1941.
Dresses, coats, and dress ensembles. Epstein Garment Corp. 390,755; Sept. 30.
Dresses of rayon, cotton, silk and wool, Ladies'. Lord's Sportwear, Inc. 390,717; Sept. 30; Serial No. 444,049; published July 22, 1941.
Footwear. M. G. Van Arsdale, Inc. 390,671; Sept. 30; Serial No. 443,309; published July 22, 1941.
Girdles, corsets, brassières, etc. Treo Company, Inc. 390,660; Sept. 30; Serial No. 443,142; published July 22, 1941.
Gloves, Ladies' leather and fabric. Wimelbacher & Rice. 390,705–6; Sept. 30; Serial Nos. 443,700–1; published July 22, 1941.
Gloves, Men's, women's and children's. Superb Glove Co. 390,695; Sept. 30; Serial No. 443,671; published July 22, 1941.
Hats. John B. Stetson Company. 390,581; Sept. 30; Serial No. 440,103; published June 17, 1941.
Hats, berets, and tam-o-shanters. S. Lish. 390,614; Sept. 30; Serial No. 442,237; published July 22, 1941.
Hosiery. Contour Hosiery Mills. 390,736; Sept. 30.
Hosiery. Interwoven Stocking Company. 390,585; Sept. 30; Serial No. 440,596; published July 8, 1941.
Hosiery. Specialty Products Company. 390,602; Sept. 30; Serial No. 441,713; published July 1, 1941.
Hosiery and sweaters for men, women, and children. Galumbeck & Co. 390,722; Sept. 30; Serial No. 444,120; published July 22, 1941.
Hosiery, Ladies' full fashioned. Granite Hosiery Mills, Inc. 390,683–4; Sept. 30; Serial Nos. 443,457–8; published July 22, 1941.
Hosiery, Silk. Phoenix Hosiery Company. 390,676; Sept. 30; Serial No. 443,372; published July 8, 1941.
Housedresses and aprons, Ladies'. S. J. Goldfarb. 390,747; Sept. 30.
Mackinaws and overcoats. Spokane Dry Goods Company. 140,244; renewed Dec. 6, 1941.
Neckties and scarfs. Wembley, Inc. 390,628; Sept. 30; Serial No. 442,678; published July 22, 1941.
Neckties, scarfs, and handkerchiefs. P. Wallach, and K. Steinberg. 390,637; Sept. 30; Serial No. 442,810; published July 22, 1941.
Outerwear, Woven and knitted. New England Knitting Co. 390,606; Sept. 30; Serial No. 443,204; published July 22, 1941.
Outerwear, Woven and knitted. New England Knitting Co. 390,674; Sept. 30; Serial No. 443,338; published July 22, 1941.
Overcoats, topcoats, and suits for men and young men. Eagle Clothes. 390,746; Sept. 30.
Pajamas. Broom and Newman. 390,699; Sept. 30; Serial No. 443,712; published July 15, 1941.
Robes and regalia. Sovereign Grand Lodge of the I. O. O. F. 390,584; Sept. 30; Serial No. 440,564; published July 22, 1941.
Shirts. Tye-Set Shirt Company. 390,735; Sept. 30.
Shirts and pajamas, Sport. Enro Shirt Company. 390,555; Sept. 30; Serial No. 431,042; published July 2, 1940.
Shirts, shorts, and knitted underwear for men, boys, women, and girls, Athletic. Standard Knitting Mills, Inc. 390,733; Sept. 30; Serial No. 444,550; published July 22, 1941.
Shirts, sport and polo, slacks, etc. Alex Wertheim Knitwear, Inc. 390,576; Sept. 30; Serial No. 438,496; published July 15, 1941.
Shoes. John Wanamaker Philadelphia. 390,654; Sept. 30; Serial No. 443,095; published June 22, 1941.
Skirts. Marlene Sportwear Co., Inc. 390,642; Sept. 30; Serial No. 442,910; published July 22, 1941.
Slips. Industrial Undergarment Corporation. 390,611; Sept. 30; Serial No. 442,131; published July 1, 1941.
Slips and camisoles. Victor Brown Undies, Inc. 390,745; Sept. 30.
Slips, Ladies' and misses'. Manhattan Undergarment Co. 390,566; Sept. 30; Serial No. 435,214; published July 8, 1941.
Slips, Women's. Slipco. 390,690; Sept. 30; Serial No. 443,544; published July 22, 1941.
Slips, petticoats, and camisoles. Victor Brown Undies, Inc. 390,749; Sept. 30.
Suits and topcoats, Men's. Hickey Freeman Company. 390,634; Sept. 30; Serial No. 442,752; published July 8, 1941.
Sweaters. Olympic Knitwear, Inc. 390,574; Sept. 30; Serial No. 438,147; published Feb. 4, 1941.
Sweaters for children, misses, women, and men. Old Colony Knitting Mills, Inc. 390,685; Sept. 30; Serial No. 443,463; published July 22, 1941.
Sweaters, Ladies' and misses' knitted sport. Select Sportswear, Inc. 390,648; Sept. 30; Serial No. 443,019; published July 8, 1941.
Undergarment slips, Ladies'. Herman Bros. Undergarments, Inc. 390,753; Sept. 30.
Undergarments and underwear. Atlas Underwear Company. 390,587; Sept. 30; Serial No. 440,671; published July 15, 1941.
Underwear and sleeping garments, etc. Vanity Fair Silk Mills. 390,578; Sept. 30; Serial No. 430,131; published Apr. 29, 1941.
Underwear and outerwear. New England Knitting Co. 390,658; Sept. 30; Serial No. 443,131; published July 22, 1941.
Underwear, Ladies'. Hy Periman & Co. Inc. 390,656; Sept. 30; Serial No. 443,100; published July 1, 1941.
Underwear, Ladies' pure silk. Fischer & Co. 390,608; Sept. 30; Serial No. 442,033; published July 15, 1941.
Underwear, Ladies' silk. Fischer & Co. 390,664; Sept. 30; Serial No. 443,187; published July 1, 1941.
Underwear—namely, chemises, bloomers, camisoles, etc. Tailored Silk Undergarment Co. 149,256; renewed Dec. 6, 1941.
Underwear, slips, panties, etc. Z. and R. Merchandise Co. 390,655; Sept. 30; Serial No. 443,099; published July 22, 1941.
Underwear, Women's and girl's. Queen Maid Underwear Co. 390,740; Sept. 30.

CLASS 40

Buckles made of nonprecious metal. Coines & MacDermott Inc. 390,744; Sept. 30.
Hat braids. R. H. Comey Company. 390,617; Sept. 30; Serial No. 442,352; published July 22, 1941.
Knitting needles for hand use. B. Ulmann Co. Inc. 390,649; Sept. 30; Serial No. 443,025; published July 22, 1941.

CLASS 42

Bed coverings and table coverings. M. W. Newton. 390,694; Sept. 30; Serial No. 443,615; published July 22, 1941.
Buckrams. J. Thompson & Co. Inc. 390,731; Sept. 30; Serial No. 444,290; published July 22, 1941.
Cotton, drills, twills, in the piece. Fred S. Bennett, Inc. 146,067; renewed Aug. 30, 1941.
Cotton, rayon, acetate, and/or silk piece goods. Seneca Textile Corporation. 390,726; Sept. 30; Serial No. 444,202; published July 22, 1941.
Cotton, spun rayon, and spun acetate fabrics, and mixtures thereof in the piece. Crown Fabrics Corporation. 390,718; Sept. 30; Serial No. 444,072; published July 22, 1941.
Curtains and draperies. Fall River Curtain Co. Inc. 390,678–9; Sept. 30; Serial Nos. 443,410–1; published July 22, 1941.
Curtains, Window. Bartmann & Bixer Inc. 390,727–8; Sept. 30; Serial Nos. 444,249–50; published July 22, 1941.
Fabrics in the piece. Crompton Company. 390,725; Sept. 30; Serial No. 444,176; published July 22, 1941.
Fabrics in the piece, Pile. A. Brieff. 390,757; Sept. 30.
Fabrics in the piece, Textile. Mandelbaum Coats, Inc. 390,758; Sept. 30.
Corduroy and pile fabrics in the piece. Crompton Company. 390,723; Sept. 30; Serial No. 444,135; published July 22, 1941.
Piece goods. Bianchini, Férier. 148,790; renewed Nov. 29, 1941.
Piece goods. Celanese Corporation of America. 390,729–30; Sept. 30; Serial Nos. 444,251–2; published July 22, 1941.
Piece goods of silk. Bianchini, Férier. 147,928; renewed Nov. 8, 1941.

Piece goods of silk. Bianchini, Férier. 150,250–1; renewed Jan. 3, 1942.
Piece goods of silk, wool, linen, etc. Bianchini, Férier. 148,997–8; renewed Dec. 6, 1941.
Piece goods, Woolen and worsted. Amereng Fabrics, Inc. 390,760; Sept. 30.
Spun rayon fabrics in the piece. W. Schneider. 390,721; Sept. 30; Serial No. 444,098; published July 22, 1941.
Textile and pile fabrics in the piece, Woven, knitted, netted. Cheney Brothers. 146,709; renewed Sept. 20, 1941.
Textile fabrics in the piece of wool, mohair and combinations thereof. A. Davis & Sons, Inc. 390,720; Sept. 30; Serial No. 444,075; published July 22, 1941.

CLASS 44

First aid treated gauze pads or strips. Gero Products, Inc. 390,704; Sept. 30; Serial No. 443,759; published July 22, 1941.
Gold for filling teeth, Fibrous. S. S. White Dental Manufacturing Company. 146,625; renewed Sept. 13, 1941.
Pads used in the permanent waving of hair. E. Frederics, Inc. 390,665; Sept. 30; Serial No. 443,189; published July 22, 1941.
Scalp massaging and exercising apparatus. Mikina Manufacturing Company. 390,620; Sept. 30; Serial No. 442,420; published July 22, 1941.

CLASS 45

Mineral water, Natural. State of New York. 146,609–11; renewed Sept. 13, 1941.
Mineral water, Natural. State of New York. 148,539; renewed Nov. 15, 1941.
Mineral water, Natural. State of New York. 150,124; renewed Dec. 27, 1941.

CLASS 46

Bread. Langendorf United Bakeries, Inc. 390,553; Sept. 30; Serial No. 424,325; published July 22, 1941.
Bread, Baker's. Munzenmaier Baking Co. Inc. 390,571; Sept. 30; Serial No. 437,141; published July 22, 1941.
Candy. Cardinet Candy Company. 151,701; renewed Feb. 14, 1942.
Candy. Hawley & Hoops. 146,765; renewed Sept. 20, 1941.
Candies. O. L. Hagley. 390,605; Sept. 30; Serial No. 441,866; published July 22, 1941.
Canned baked beans and brown bread. S and W Fine Foods, Inc. 390,647; Sept. 30; Serial No. 443,016; published July 22, 1941.
Canned citrus fruit juices. Treesweet Products Co. 390,633; Sept. 30; Serial No. 442,738; published July 22, 1941.
Coffee. American Universal Coffee Company. 151,661–2; renewed Feb. 14, 1942.
Confections, Frozen. M. B. Rasmusson. 390,734; Sept. 30.
Cooked food products. Frost Cooked Foods, Inc. 390,627; Sept. 30; Serial No. 442,657; published July 22, 1941.
Corned beef and cabbage. M. Comte. 390,638; Sept. 30; Serial No. 442,862; published July 22, 1941.
Feed, Poultry, dairy-cattle, horse, etc. D. E. Horn and Company. 390,741; Sept. 30.
Flour, containing vitamin and iron ingredients, Wheat. Charleston Milling Company. 390,623; Sept. 30; Serial No. 442,516; published July 22, 1941.
Fruits and vegetables. Fine Foods, Inc. 390,558; Sept. 30; Serial No. 431,602; published Jan. 21, 1941.
Fruits, Fresh citrus. Placentia Pioneer Valencia Growers Assn. 390,702; Sept. 30; Serial No. 443,732; published July 22, 1941.
Fruits, Fresh citrus. Strathmore Co-Operative Association. 390,724; Sept. 30; Serial No. 444,166; published July 22, 1941.
Linseed meal. National Lead Company. 390,603; Sept. 30; Serial No. 441,740; published July 22, 1941.
Milk, Sweetened, unsweetened, evaporated and condensed. Helvetia Milk Condensing Company. 148,664–5; renewed Nov. 22, 1941.
Parsley flakes, Dehydrated. Mother Hubbard Cake Co. 390,562; Sept. 30; Serial No. 434,540; published Feb. 4, 1941.
Pies. R. F. Sullivan. 390,591; Sept. 30; Serial No. 441,001; published July 22, 1941.
Sandwich spread and salad dressing. A. J. Churchill. 390,552; Sept. 30; Serial No. 423,971; published Dec. 3, 1940.
Sardines and olive-oil. Von Bremen, Asche & Co. 146,015; renewed Aug. 23, 1941.
Sausage. Swift and Company. 390,569; Sept. 30; Serial No. 436,824; published July 15, 1941.
Soup mix. Mother Hubbard Cake Co. 390,559; Sept. 30; Serial No. 432,092; published Jan. 14, 1941.

CLASS 50

Shoe counter material. Kimberly-Clark Corporation. 390,601; Sept. 30; Serial No. 441,705; published July 22, 1941.
Statuettes. J. Melville. 390,588; Sept. 30; Serial No. 440,826; published July 22, 1941.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 30TH DAY OF SEPTEMBER, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Balsley, James R., assignor to James R. Balsley, Incorporated, Stamford, Conn. Light control means. Re. 21,907; Sept. 30.

Balsley, James R., Incorporated. (See Balsley, James R., assignor.)

Beecher, Eugene L., Cleveland Heights, assignor to The Gabriel Company, Cleveland, Ohio. Shock absorber. Re. 21,908; Sept. 30.

Brown, William, Wilkes-Barre, Pa., assignor to The Ful-Vue Sales Company, Providence, R. I. Eyelens brace and protector. Re. 21,909; Sept. 30.

Butler, Robert S., Santa Monica, Calif., assignor to Sullivan Machinery Company. Apparatus for reduction. Re. 21,910; Sept. 30.

E. A. Laboratories, Inc. (See Meyerhoefer, Carl E., assignor.)

Frey, Frederick E., Bartlesville, Okla., and W. F. Huppke, Lomita, Calif., assignors to Phillips Petroleum Company, Bartlesville, Okla. Process for converting hydrocarbons. Re. 21,911; Sept. 30.

Ful-Vue Sales Company, The. (See Brown, William, assignor.)

Gabriel Company, The. (See Beecher, Eugene L., assignor.)

Garrison, Allen D. (See Vietti, W. V., and Garrison.)

Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Sanding control means. Re. 21,912; Sept. 30.

Huppke, Walter F. (See Frey, F. E., and Huppke.)

Meyerhoefer, Carl E., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Heater. Re. 21,913; Sept. 30.

Muzzey, David S. Jr., Houston, Tex., assignor to Shell Development Company, San Francisco, Calif. Commutation system. Re. 21,914; Sept. 30.

Nichols, Ernest H., Williamsport, Md. Roofing granules and method of producing same. Re. 21,915; Sept. 30.

Phillips Petroleum Company. (See Huppke, W. F., and Frey, assignors.)

Shell Development Company. (See Muzzey, David S., Jr., assignor.)

Sullivan Machinery Company. (See Butler, Robert S., assignor.)

Texas Company, The. (See Vietti, W. V., and Garrison, assignors.)

Vietti, William V., Cucuta, Colombia, and A. D. Garrison, Houston, Tex., assignors to The Texas Company, New York, N. Y. Treating oil wells. Re. 21,916; Sept. 30.

Westinghouse Air Brake Company, The. (See Hewitt, Ellis E., assignor.)

LIST OF DESIGN PATENTEES

Aemisegger, Jean, Bergenfield, N. J., assignor to Record Lace & Embroidery Company, Inc., New York, N. Y. Embroidered fabric trimming or similar article. 129,697; Sept. 30.

Asteroff, Leah, New York, N. Y. Dress. 129,754; Sept. 30.

Autoyre Company, The. (See Sanford, Roy S., assignor.)

Bayor, Helen, New York, N. Y. Dress. 129,770; Sept. 30.

Beech-Nut Packing Company. (See West, William B., assignor.)

Behr, Siegfried, Flushing, assignor to Ben Hur Products, Inc., New York, N. Y. Barrette. 129,738; Sept. 30.

Behr, Siegfried, Flushing, assignor to Ben Hur Products, Inc., New York, N. Y. Barrette. 129,739; Sept. 30.

Ben Hur Products, Inc. (See Behr, Siegfried, assignor.)

Bernhardt, Rudolph, Chicago, Ill. Dispenser closure top or similar article. 129,728; Sept. 30.

Blake, Virginia, New York, N. Y. Handbag or the like. 129,750; Sept. 30.

Brock, Nicholas V. D., Santa Ana, Calif. Lamp shade. 129,722; Sept. 30.

Brown & Bigelow. (See Trollen, Martin E., assignor.)

Budlong, Robert D., assignor to Zenith Radio Corporation, Chicago, Ill. Escutcheon plate for automobile radio sets or the like. 129,751; Sept. 30.

Cadwallader, Robert, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Lamp lens. 129,698; Sept. 30.

Cahoon, Edward F. (See Lauder, W. A., Cahoon, and Hagopian.)

Canada Dry Ginger Ale, Inc. (See Wyer, Ramon, assignor.)

Carbotti, Marie, New York, N. Y. Dress. 129,771; Sept. 30.

Carbotti, Marie, New York, N. Y. Dress. 129,772; Sept. 30.

Carbotti, Marie, New York, N. Y. Dress. 129,773; Sept. 30.

Carter, Grover C., and F. D. Rohan, Oakland, Calif. Rug. 129,723; Sept. 30.

Chamberlain, William R., Mount Vernon, N. Y. Stove. 129,740; Sept. 30.

Chrysler Corporation. (See Cadwallader, Robert, assignor.)

Cidissen, John, New York, N. Y. Globe for lighting fixtures. 129,699; Sept. 30.

Clark, Frederick E., and W. D. Marshall; said Marshall assignor to T. H. Gough, Ringgold, Va. Ice-cream cone tray or similar article. 129,741; Sept. 30.

Clion, William, Brooklyn, N. Y. Dress. 129,774; Sept. 30.

Collins, Omar L., South Bend, Ind. Garment rack. 129,729; Sept. 30.

Crossman, Harry, Brookline, assignor to Panther-Panco Rubber Co., Inc., Chelsea, Mass. Shoe sole. 129,700; Sept. 30.

Daines, William, Jr., and H. E. Makin, Logan, Utah. Bolt rack. 129,701; Sept. 30.

De Vilbiss Company, The. (See Vuillemenot, Frederic A., assignor.)

Eagle Knitting Mills, Inc. (See Wengen, Frank J., assignor.)

Etkin, Simon, New York, N. Y. Dress. 129,755; Sept. 30.

Etkin, Simon, New York, N. Y. Dress. 129,756; Sept. 30.

Flaxbaum, Charles H., New York, N. Y. Cigarette holder. 129,757; Sept. 30.

Florence Stove Company. (See Kruck, Ralph E., assignor.)

Forzani, Julia, New York, N. Y. Dress ensemble. 129,775; Sept. 30.

Gardner, Roscoe R., Glenrock, Wyo. Desk cabinet. 129,724; Sept. 30.

General Foods Corporation. (See Nash, James H., assignor.)

Goldman, Jack, New York, N. Y. Dress. 129,776; Sept. 30.

Gough, T. H. (See Clark, F. E., and (Marshall, assignor).)

Greer, Charles C. (See Greer, Mary M. and C. C.)

Greer, Mary M. and C. C., Johnstown, Pa. Badge or the like. 129,742; Sept. 30.

Grossmann, Irving E., Stamford, Conn. Shoe or similar article. 129,702; Sept. 30.

Grossmann, Irving E., Stamford, Conn. Shoe or similar article. 129,703; Sept. 30.

Grossmann, Irving E., Stamford, Conn. Shoe or similar article. 129,704; Sept. 30.

Grossmann, Irving E., Stamford, Conn. Shoe or similar article. 129,705; Sept. 30.

Grossmann, Irving E., Stamford, Conn. Shoe or similar article. 129,706; Sept. 30.

Hafner, August, Whitestone, Long Island, N. Y. Textile fabric or similar article. 129,725; Sept. 30.

Hagopian, Vahan. (See Lauder, W. A., Cahoon, and Hagopian.)

Heisey, A. H., & Company. (See Heisey, T. Clarence, assignor.)

Heisey, T. Clarence, Newark, N. J., assignor to A. H. Heisey & Company, Newark, Ohio. Bar bottle or article of similar nature. 129,730; Sept. 30.

Henry, Aline, New York, N. Y. Dress. 129,758; Sept. 30.

Herz, Erwin, assignor to Reproducta, Inc., New York, N. Y. Miniature shrine. 129,707; Sept. 30.

Hygrade Sylvania Corporation. (See Scribner, Kenneth R., assignor.)

International Harvester Company. (See Renno, Donald G., assignor.)

Jacobstein, Emanuel, New York, N. Y. Stud button or similar article. 129,708; Sept. 30.
Jordan, George F., New Dorp, N. Y. Ring or the like. 129,777; Sept. 30.
Kaperst, Philip, New York, N. Y. Dress. 129,778; Sept. 30.
Kaperst, Philip, New York, N. Y. Dress. 129,779; Sept. 30.
Karstadt, Clarence, Glen Ellyn, assignor to Sears, Roebuck and Co., Chicago, Ill. Portable radio reciver. 129,743; Sept. 30.
Keller, Bernard, New York, N. Y. Dress. 129,780; Sept. 30.
Koonz, Frederick W., Bernardston, assignor to Rogers, Lunt & Bowlen Company, Greenfield, Mass. Spoon or similar article. 129,709; Sept. 30.
Koushner, Emanuel, New York, N. Y. Dress. 129,781; Sept. 30.
Kruck, Ralph E., Springfield, assignor to Florence Stove Company, Gardner, Mass. Heater. 129,744; Sept. 30.
Kruck, Ralph E., Springfield, assignor to Florence Stove Company, Gardner, Mass. Heater. 129,745; Sept. 30.
Langknecht, Henry J., Rochester, assignor to Shuron Optical Company, Inc., Geneva, N. Y. Bridge for an ophthalmic mounting. 129,710; Sept. 30.
Lauder, Wallace A., Closter, E. F. Cahoon, Tenafly, N. J., and V. Hagopian, assignors to Telautograph Corporation, New York, N. Y. Housing for a telescriber. 129,762; Sept. 30.
Lauder, Wallace A., Closter, E. F. Cahoon, Tenafly, N. J., and V. Hagopian, assignors to Telautograph Corporation, New York, N. Y. Housing for a telescriber. 129,763; Sept. 30.
Lauder, Wallace A., Closter, E. F. Cahoon, Tenafly, N. J., and V. Hagopian, assignors to Telautograph Corporation, New York, N. Y. Housing for a telescriber. 129,764; Sept. 30.
Lauder, Wallace A., Closter, E. F. Cahoon, Tenafly, N. J., and V. Hagopian, assignors to Telautograph Corporation, New York, N. Y. Housing for a telescriber. 129,765; Sept. 30.
Luttrell, James G., assignor to McCormick & Co., Incorporated, Baltimore, Md. Carton. 129,731; Sept. 30.
Makin, Howard E. (See Daines, W., and Makin.)
Malone, Homer E., assignor to Perfex Corporation, Milwaukee, Wis. Damper operator. 129,746; Sept. 30.
Marshall, Willie D. (See Clark, F. E., and Marshall.)
May, Helen, New York, N. Y. Dress. 129,782; Sept. 30.
May, Helen, New York, N. Y. Dress. 129,783; Sept. 30.
McCormick & Co. (See Luttrell, James G., assignor.)
McNulty, Frank J., Los Angeles, Calif. Oil service station building. 129,711; Sept. 30.
Michelson, Margaret, New York, N. Y. Dress ensemble. 129,784; Sept. 30.
Nash, James H., assignor to General Foods Corporation, New York, N. Y. Bottle. 129,747; Sept. 30.
Oppenheimer, Helga, Little Neck, Long Island, N. Y. Dress. 129,785; Sept. 30.
Oppenheimer, Helga, Little Neck, Long Island, N. Y. Dress. 129,786; Sept. 30.
Oppenheimer, Helga, Little Neck, Long Island, N. Y. Dress. 129,787; Sept. 30.
Oppenheimer, Helga, Little Neck, Long Island, N. Y. Dress. 129,788; Sept. 30.
Oppenheimer, Helga, Little Neck, Long Island, N. Y. Dress ensemble. 129,789; Sept. 30.
Oppenheimer, Helga, Little Neck, Long Island, N. Y. Dress. 129,790; Sept. 30.
Oppenheimer, Helga, Little Neck, Long Island, N. Y. Dress. 129,791; Sept. 30.
Oppenheimer, Helga, Little Neck, Long Island, N. Y. Dress. 129,792; Sept. 30.
Oppenheimer, Helga, Little Neck, Long Island, N. Y. Dress. 129,793; Sept. 30.
Oppenheimer, Helga, Little Neck, Long Island, N. Y. Dress. 129,794; Sept. 30.
Oppenheimer, Morton A., Philadelphia, Pa. Hat or similar article. 129,748; Sept. 30.
Panther-Panco Rubber Co. Inc. (See Crossman, Harry, assignor.)
Perfex Corporation. (See Malone, Homer E., assignor.)
Record Lace & Embroidery Company. (See Aemisegger, Jean, assignor.)
Renke, Natalie, New York, N. Y. Dress. 129,759; Sept. 30.
Renke, Natalie, New York, N. Y. Dress. 129,760; Sept. 30.
Renno, Donald G., assignor to International Harvester Company, Fort Wayne, Ind. Combination radiator, hood, and fenders for vehicles. 129,752; Sept. 30.
Reproducta, Inc. (See Herz, Erwin, assignor.)
Roberson, Willard D., assignor to Yale Fabrics Corp., New York, N. Y. Textile fabric or similar article. 129,732; Sept. 30.
Rogers, Lunt & Bowlen Company. (See Koonz, Frederick W., assignor.)
Rohan, Frank D. (See Carter, G. C., and Rohan.)
Rosenbaum, Le Roy S., New York, N. Y. Textile fabric. 129,766; Sept. 30.
Sanford, Roy S., assignor to The Autotyre Company, Incorporated, Oakville, Conn. Combination shelf, brackets, and towel holder. 129,712; Sept. 30.
Schaeffer, Samuel B., Jackson Heights, N. Y. Textile fabric. 129,733; Sept. 30.
Schaeffer, Samuel B., Jackson Heights, N. Y. Textile fabric. 129,734; Sept. 30.
Schaeffer, Samuel B., Jackson Heights, N. Y. Textile fabric. 129,735; Sept. 30.
Schaeffer, Samuel B., Jackson Heights, N. Y. Textile fabric. 129,767; Sept. 30.
Schaeffer, Samuel B., Jackson Heights, N. Y. Textile fabric. 129,768; Sept. 30.
Schaeffer, Samuel B., Jackson Heights, N. Y. Textile fabric. 129,769; Sept. 30.
Scribner, Kenneth R., Beverly, assignor to Hygrade Sylvania Corporation, Salem, Mass. Fluorescent lamp fixture. 129,726; Sept. 30.
Sears, Roebuck and Co. (See Karstadt, Clarence, assignor.)
Shuron Optical Company. (See Langknecht, Henry J., assignor.)
Shuwarger, Morris, Los Angeles, Calif. Combined stud button and picture frame or similar article. 129,713; Sept. 30.
Skiarek, Clifford, Los Angeles, Calif. Combination lamp and attaching bracket. 129,714; Sept. 30.
Spanel, Abraham N., New York, N. Y. Panty girdle. 129,761; Sept. 30.
Tashman, William, Chicago, Ill. Handbag. 129,753; Sept. 30.
Telautograph Corporation. (See Lauder, W. A., Cahoon, and Hagopian, assignors.)
Trollen, Martin E., assignor to Brown & Bigelow, St. Paul, Minn. Blotter unit. 129,715; Sept. 30.
Trollen, Martin E., assignor to Brown & Bigelow, St. Paul, Minn. Combination driver's license receptacle and key chain. 129,716; Sept. 30.
Tupper, Earl S., Leominster, Mass. Plastic shoe heel. 129,717; Sept. 30.
Vuillemenot, Frederic A., assignor to The De Vilbiss Company, Toledo, Ohio. Atomizer. 129,736; Sept. 30.
Wandell, James W., Hoboken, N. J. Inner seal for bottles. 129,749; Sept. 30.
Weiss, Frank L., New York, N. Y. Combination token and ash holder. 129,737; Sept. 30.
Wengen, Frank J., assignor to Eagle Knitting Mills, Inc., Milwaukee, Wis. Hood or similar article. 129,727; Sept. 30.
West, William B., assignor to Beech-Nut Packing Company, Canajoharie, N. Y. Display stand. 129,718; Sept. 30.
Wiener, Jack, New York, N. Y. Embroidered lace fabric or similar article. 129,795; Sept. 30.
Wood, Schuyler A., Dolgeville, N. Y. Shoe or similar article. 129,719; Sept. 30.
Wood, Schuyler A., Dolgeville, N. Y. Shoe or similar article. 129,720; Sept. 30.
Wyer, Ramon, New York, N. Y., assignor to Canada Dry Ginger Ale, Inc. Beverage dispenser. 129,721; Sept. 30.
Yale Fabrics Corp. (See Roberson, Willard D., assignor.)
Zenith Radio Corporation. (See Budlong, Robert D., assignor.)

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 30TH DAY OF SEPTEMBER, 1941

NOTE.--Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abadjieff, Ivan V., Worcester, Mass. Photographic film transporter. 2,257,444; Sept. 30.
Aberle, Roy, Long Branch, N. J. Lithographic machine. 2,257,490; Sept. 30.
Abrahamson, Robert, Forest Hills, N. Y. Rheostat. 2,257,445; Sept. 30.
Acme Steel Company. (See Childress, William C., assignor.)
Aircraft Screw Products Company. (See Caminez, Harold, assignor.)
Aktiebolaget Orrefors Glasbruk. (See Kurz, Friedrich W. A., assignor.)
Albertson & Company. (See Albertson, Frank O., assignor.)
Albertson, Frank O., assignor to Albertson & Company, Inc., Sioux City, Iowa. Chuck key holder. 2,257,559; Sept. 30.
Albrecht, Harold W., St. Paul, Minn., assignor to American Telephone and Telegraph Company. Apparatus for producing interrupted alternating current. 2,257,663; Sept. 30.
Alexander, Charles G., Lorain, Ohio. Piecrust guard. 2,257,408; Sept. 30.
Almdale, Elnar, Detroit, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio. Automobile frame and structural member. 2,257,664; Sept. 30.
Almdale, Elnar, Detroit, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio. Structural member. 2,257,665; Sept. 30.
Almdale, Elnar, Detroit, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio. X-member. 2,257,666; Sept. 30.
Alton, Thomas, assignor to E. E. Chase, Jr., San Jose, Calif., doing business as Chevy Chase Co. Method and apparatus for canning fruits for salads. 2,257,147; Sept. 30.
American Car and Foundry Company. (See Beeson, Allen E., assignor.)
American Car and Foundry Company. (See Clarke, A. W., and Koeneman, assignors.)
American Car and Foundry Company. (See Euwer, Herbert D., assignor.)
American Car and Foundry Company. (See Willoughby, Victor, assignor.)
American Cyanamid Company. (See Johnston, William B., assignor.)
American Engineering Company. (See Bennett, Joseph S., assignor.)
American Potash & Chemical Corporation. (See Black, Leroy G., assignor.)
American Ship Building Company, The. (See Von Haase, George, assignor.)
American Steel Foundries. (See Baselt, Walter H., assignor.)
American Telephone and Telegraph Company. (See Albrecht, Harold W., assignor.)
American Telephone and Telegraph Company. (See Buxton, Bentley L., assignor.)
American Telephone and Telegraph Company. (See Goodwin, Clayton, assignor.)
American Telephone and Telegraph Company. (See Haywood, Kenneth S., assignor.)
American Telephone and Telegraph Company. (See Hept, John A., assignor.)
American Telephone and Telegraph Company. (See Hidy, John W., assignor.)
American Teletimer Corp. (See Belock, Harry D., assignor.)
Ames Supply Company. (See O'Connor, Clarence P., assignor.)
Amidon, Merle, Elizabeth, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Material guide. 2,257,446; Sept. 30.
Anderson, Gustav, St. Louis Park, O. J. Parks, Hopkins, and K. M. Keith, assignors to Minneapolis-Moline Power Implement Company, Minneapolis, Minn. Crop cleaning attachment for harvester conveyers. 2,257,097; Sept. 30.
Anderson, Louis P., Villa Park, Ill. Dental appliance. 2,257,709; Sept. 30.
Andrew, Frederick W. (See von Meister, F. W., and Andrew.)
Angénieux, Pierre. (See Gance, A., and Anégnieux.)
Anschütz, Robert, and F. Schmidt, assignors to Mercedes Buromaschinen-Werke Aktiengesellschaft, Zella-Mehlis, Thuringia, Germany. Typewriting-calculating machine. 2,257,409; Sept. 30.
Apple, Bessie D. (See Cotterman, Frederick W., assignor.)
Archibald, Frederick R., assignor to Beattie Gold Mines (Quebec) Limited, Duparquet, Quebec, Canada. Treatment of metallurgical dusts containing arsenic. 2,257,710; Sept. 30.
Arens, Charles A., Chicago, Ill. Transmission mechanism. 2,257,098; Sept. 30.
Arentsen, Gerrit J., Diemerburg, near Amsterdam, Netherlands. Process and apparatus for continuously manufacturing armored construction boards. 2,257,410; Sept. 30.
Armbrust Chain Company. (See Wacker, Karl, assignor.)
Armbruster, Richard. (See Krzikalla, H., and Armbruster.)
Armstrong, Edward R., assignor to F. O. Schoedinger, Columbus, Ohio. Obstretrical table. 2,257,491; Sept. 30.
Arnold, Mathew H., Long Beach, Calif. Coupling. 2,257,321; Sept. 30.
Arver, Joseph F., assignor to Hidstitch Company, St. Paul, Minn. Blind stitch mechanism. 2,257,363; Sept. 30.
Aschermann, Gunther, Berlin-Charlottenburg, Germany, assignor to General Electric Company. Luminescent material. 2,257,667; Sept. 30.
Associated Electric Laboratories, Inc. (See Lomax, Clarence E., assignor.)
Associated Electric Laboratories, Inc. (See Lomax, C. E., and Smith, assignors.)
Atchison, Leonard W., Schenectady, N. Y., assignor to General Electric Company. Refrigerant evaporator. 2,257,447; Sept. 30.
Atwell, Harold V. Beacon, assignor to Process Management Company, Inc., New York, N. Y. Treating hydrocarbon fluids. 2,257,086; Sept. 30.
Auvil, Grady, Orondo, assignor to F. E. Dahn and P. A. Combelic, Wenatchee, Wash., jointly. Telescopic handle extension. 2,257,585; Sept. 30.
B. G. Corporation, The. (See Schulz, Christopher A., assignor.)
Babcock, Verner E., Port Clinton, Ohio. Backlash preventer for fishing reels. 2,257,521; Sept. 30.
Bailey, Emmett C., Washington, D. C. Folding table. 2,257,522; Sept. 30.
Bailey, Harrison W., South Braintree, Mass. Automatic aperture control mechanism for camera diaphragms. 2,257,586; Sept. 30.
Bailey, Roy W., assignor to Detroit Power Screwdriver Company, Detroit, Mich. Assembling machine. 2,257,217; Sept. 30.
Bailey, William M., Company. (See Bowland, Andrew, assignor.)
Baird Machine Company, The. (See Barnes, Leslie W., assignor.)
Baker, Augustus J. (See Fuchs, Julius, assignor.)
Baker Castor Oil Company, The. (See Colbeth, Ivor M., assignor.)
Baker, Virgil H., Springfield, Ohio, assignor to Elliott Company, Pittsburgh, Pa. Cutter. 2,257,448; Sept. 30.
Bakewell, Harding F., San Marino, Calif. Machine tool. 2,257,364; Sept. 30.
Ballauf, Albert, and O. Bayer, Leverkusen I. G.-Werk, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Capillary active product. 2,257,148; Sept. 30.
Balls, Arnold K., Washington, D. C., H. Lineweaver, Berkeley, Calif., and S. Schwimmer, Washington, D. C., assignors to Henry A. Wallace, as Secretary of Agriculture of the United States of America, and to his successors in office. 2,257,218; Sept. 30.
Bank, Albert M., assignor to S. Bank, Jersey City, N. J. Spring support for upholstered seats and backs. 2,257,633; Sept. 30.
Bank, Sylvia. (See Bank, Albert M., assignor.)
Bany, Herman, Lansdowne, Pa., assignor to General Electric Company. Protective system for electric valve apparatus. 2,257,449; Sept. 30.
Barch, William E. (See Stokes, W. E., and Barch.)
Barnard, Paul J., Racine, Wis. Sifter. 2,257,322; Sept. 30.
Barnes, Leslie W., Long Hill, assignor to The Baird Machine Company, Stratford, Conn. Feed for forming machines. 2,257,450; Sept. 30.
Barnes, William A., Mansfield, Ohio. Ironing member. 2,257,451; Sept. 30.
Barrett Company, The. (See Miller, Stuart P., assignor.)
Barrett, Edward R., assignor to Gar Wood Industries, Inc., Detroit, Mich. Vehicle body construction. 2,257,365; Sept. 30.
Baselt, Walter H., assignor to American Steel Foundries, Chicago, Ill. Brake arrangement. 2,257,587; Sept. 30.

Bates, Alice and H., New York, N. Y. Glove with seamless crotches. 2,257,492; Sept. 30.
Bates, Earl J., Oakwood, and J. S. Theiss, assignors to The National Cash Register Company, Dayton, Ohio. Reflector for radiant heat. 2,257,366; Sept. 30.
Bates, Harry. (See Bates, Alice and H.)
Bath, William T., Midland, Ontario, Canada. Sectional flooring. 2,257,219; Sept. 30.
Batsel, Cecil N., Los Angeles, Calif., assignor to Radio Corporation of America. Sound film blooping apparatus. 2,257,560; Sept. 30.
Bausch & Lomb Optical Company. (See Bouchard, Samuel E., assignor.)
Bausch & Lomb Optical Company. (See Flint, E. F., and Miles, assignors.)
Bausch & Lomb Optical Company. (See Gallasch, George B., assignor.)
Baxter, Howard F., Grand Rapids, Mich., and R. T. Baxter, Chicago, Ill., assignors to Baxter Laundries Corporation, Grand Rapids, Mich. Laundry method and device. 2,257,323; Sept. 30.
Baxter Laundries Corporation. (See Baxter, Howard F. and R. T., assignors.)
Baxter, Robert T. (See Baxter, Howard F. and R. T.)
Bayer, Otto. (See Ballauf, A., and Bayer.)
Bayne, Richard A., Detroit, Mich. Ice block forming and dispensing device. 2,257,149; Sept. 30.
Beattie Gold Mines (Quebec) Limited. (See Archibald, Frederick R., assignor.)
Beaumont Birch Company. (See Hale, William E., assignor.)
Beaverite Products, Inc. (See Le Fevre, De Witt C., assignor.)
Becker, Gottfried, Dusseldorf, and F. Steinberg, Krefeld, Germany. Formation of protective layers on iron and steel articles. 2,257,668; Sept. 30.
Becker, Otto, Saarbrucken, Germany. Selecting and conveying apparatus for card indexes. 2,257,220; Sept. 30.
Beckmann, William H., Glen Rock, Pa., assignor to The Dentists' Supply Company of New York, New York, N. Y. Artificial tooth and holder therefor. 2,257,669; Sept. 30.
Beeson, Allen E., St. Charles, Mo., assignor to American Car and Foundry Company, New York, N. Y. Swinging footrest. 2,257,150; Sept. 30.
Behm, Walter, Rochester, and E. J. McClellan, Jr., Utica, Mich. Vehicle jack. 2,257,324; Sept. 30.
Beirise, John C., Dayton, Ohio. Pilot's shoulder safety belt take-up reel assembly. 2,257,099; Sept. 30.
Bell Telephone Laboratories, Incorporated. (See Mathes, Robert C., assignor.)
Bell, Trice M., Tampa, Fla. Precooling unit for perishable foodstuffs. 2,257,221; Sept. 30.
Belock, Harry D., Richmond Hill, assignor to American Teletimer Corp., New York, N. Y. Method and apparatus for producing continuous photographic strips. 2,257,100; Sept. 30.
Bemis, Kenneth E., Oakland, Calif. Timing device. 2,257,291; Sept. 30.
Bennett, Joseph S., Merion, assignor to American Engineering Company, Philadelphia, Pa. Stoker. 2,257,588; Sept. 30.
Berghaus, Bernhard, Berlin-Lankwitz, and W. Burkhardt, Berlin-Grunewald, Germany; said Burkhardt assignor to said Berghaus. Cathode disintegration. 2,257,411; Sept. 30.
Bergmann, Armin, Hamburg-Altona, Germany. Manufacture of artificial sausage skins. 2,257,222; Sept. 30.
Berke, Aaron, Brooklyn, N. Y. Hatbox. 2,257,151; Sept. 30.
Bernstein, Samuel S., Beverly Hills, Calif. Wire spring. 2,257,367; Sept. 30.
Beryllium Corporation. (See Stott, Louis L., assignor.)
Betner, Benjamin C., Company. (See Higginbottom, William E., assignor.)
Binks Manufacturing Company. (See Roche, J. F., and Darbyshire, assignors.)
Binns, George W., Cincinnati, and A. H. Dall, Silverton, assignors to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Metal finishing. 2,257,452; Sept. 30.
Bissell Carpet Sweeper Company. (See Siebert, W. E., and Ike, assignors.)
Black, Edward R., assignor to E. R., J. E., and E. L. Black, doing business as Black Systems, Chicago, Ill. Building covering. 2,257,152; Sept. 30.
Black, Elam L., et al. (See Black, Edward R., assignor.)
Black, James E., et al. (See Black, Edward R., assignor.)
Black, Leroy G., assignor to American Potash & Chemical Corporation, Trona, Calif. Separating fused products containing partially vitreous and partially nonvitreous materials. 2,257,325; Sept. 30.
Black Systems. (See Black, Edward R., assignor.)
Black, William A., Montclair, N. J., assignor to Radio Corporation of America. Blooping device for sound reproducers. 2,257,561; Sept. 30.
Blaski, John F., Chicago, Ill. Trussless roof. 2,257,153; Sept. 30.
Blatchford, Carter, Incorporated. (See Lindberg, John F., assignor.)
Blazek, John Y., Bedford, and V. R. Roy, Cleveland, assignors to Lempco Products, Incorporated, Bedford, Ohio. Attachment for machine tools and the like. 2,257,493; Sept. 30.
Bleyco Paper Corporation. (See Bleyer, George S., assignor.)
Bleyer, George S., assignor to Bleyco Paper Corporation, New York, N. Y. Ornament. 2,257,154; Sept. 30.
Blum, Jacques R., San Francisco, Calif. Billiard cue. 2,257,326; Sept. 30.
Bocjl Corporation, trustee. (See Rindfleisch, Arthur G., assignor.)
Bock, Louis H. (See Bruson, H. A., and Bock.)
Bohn Aluminum & Brass Corporation. (See Nelson, Adolph L., assignor.)
Bohn Aluminum & Brass Corporation. (See Pilcher, Edward K., assignor.)
Bolidens Gruvaktiebolag. (See Malmqvist, Johan D., assignor.)
Boothroyd, Hubert, Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Perforating machine. 2,257,087; Sept. 30.
Borgmann, Johann, Duisburg-Hamborn, Germany. Rammer, especially for road making. 2,257,223; Sept. 30.
Bossetta, Gaspar R., New Orleans, La. Electric broiler. 2,257,670; Sept. 30.
Bouchard, Samuel E., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting. 2,257,224; Sept. 30.
Bowers, Claude E., Los Angeles, Calif. Battery hold-down means. 2,257,155; Sept. 30.
Bowland, Andrew, Mount Lebanon, Pa., assignor to William M. Balley Company. Hot-blast stove. 2,257,453; Sept. 30.
Boynton, Alexander, San Antonio, Tex. Threadless drill pipe. 2,257,101; Sept. 30.
Brackett, Clare B., and C. E. S. Place, Detroit, Mich.; said Place assignor to said Brackett. Screw threaded element. 2,257,589; Sept. 30.
Bradford, Carlos L., Coshocton, Ohio. Nut. 2,257,327; Sept. 30.
Branson, Harry, Philadelphia, Pa., assignor to Radio Corporation of America. Intelligence transmission system. 2,257,562; Sept. 30.
Bray, Ulric B., Palos Verdes Estates, assignor to Union Oil Company of California, Los Angeles, Calif. Lubricant. 2,257,328; Sept. 30.
Bray, William N. (See Ricks, F., and Bray.)
Breene, Elizabeth L., Jackson Heights, N. Y. Cuticle shield. 2,257,102; Sept. 30.
Brenot, William H., Toledo, Ohio. Sub-casing-head take-off for wells. 2,257,225; Sept. 30.
Briggs & Stratton Corporation. (See Thompson, Glenn S., assignor.)
Britt, Vernon E., Oakland, assignor of one-fourth to A. F. Edwards, San Leandro, and one-fourth to R. W. Claire, Berkeley, Calif. Therapeutic apparatus. 2,257,329; Sept. 30.
Brokering, Harry G., Osborn, Ohio. Flexible device. 2,257,103; Sept. 30.
Brouhon, Georges, assignor to Solvay & Cie, Brussels, Belgium. Closing metal drums. 2,257,454; Sept. 30.
Brouse, William H. D., Toronto, Ontario, Canada, assignor, by mesne assignments, to John Wood Manufacturing Company Inc., Conshohocken, Pa. Displacement meter for measuring fluids. 2,257,590; Sept. 30.
Brouse, William H. D., Toronto, Ontario, Canada, assignor, by mesne assignments, to John Wood Manufacturing Company Inc., Conshohocken, Pa. Displacement fluid meter. 2,257,591; Sept. 30.
Brouwer, George, Muskegon, Mich., assignor, by mesne assignments, to Ramsey Manufacturing Company. Closing device for piston rings. 2,257,330; Sept. 30.
Brown Bag Filling Machine Company, The. (See Chandler, Austin S., assignor.)
Brown, Fred. (See Tone, F. J., Mahlman, and Brown.)
Brown, Joseph D. (See Dater, Maurice M., assignor.)
Brown, Morton, New York, N. Y., assignor to Strap-A-Liner Corp. Shoulder-strap-retaining device. 2,257,494; Sept. 30.
Brunner, Walter. (See Zerweck, W., and Brunner.)
Bruson, Herman A., and L. H. Bock, assignors to Röhm & Haas Company, Philadelphia, Pa. Water-repellent process. 2,257,088; Sept. 30.
Buchsbaum, Herbert, Chicago, Ill. Buckle for belts. 2,257,671; Sept. 30.
Buffalo Electro-Chemical Company. (See Kauffmann, Hans O., assignor.)
Buggie, H. H., & Company. (See Cook, Everett J., assignor.)
Bunker, Royce S., Baltimore, Md., assignor to The Linen Thread Co., Inc., New York, N. Y. Tennis net. 2,257,634; Sept. 30.
Bunker, Royce S., Baltimore, Md., assignor to The Linen Thread Co., Inc., New York, N. Y. Tennis net. 2,257,635; Sept. 30.
Burkhardt, Wilhelm. (See Berghaus, B., and Burkhardt.)
Burrows, Lawton A., and W. E. Lawson, Woodbury, and C. B. Van Winter, Wenonah, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Extrusion method for organic materials. 2,257,104; Sept. 30.
Buser, R. G., Silk Corp. (See Wagner, George, assignor.)
Buxton, Bentley L., Elmhurst, Ill., assignor to American Telephone and Telegraph Company. Directional monitoring system. 2,257,592; Sept. 30.
Byron, Jackson, Co. (See Lundeen, Chester A., assignor.)
Camines, Harold, Kew Gardens, assignor to Aircraft Screw Products Company, Inc., Long Island City, N. Y. Stud driver. 2,257,089; Sept. 30.

Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Air brake. 2,257,226; Sept. 30.
Campbell, Donald L. (See Martin, H. Z., and Campbell.)
Campbell, Richard C., North Plainfield, N. J. Collar. 2,257,593; Sept. 30.
Canal National Bank of Portland. (See Randall, Walter H., assignor.)
Canetta, John. (See McNeal, D. L., and Canetta.)
Carborundum Company, The. (See de Leeuw, P., and Wooddell, assignors.)
Carborundum Company, The. (See Tone, F. J., Mahlman, and Brown, assignors.)
Case, Kenneth W. (See Righter, W. H., and Case.)
Case, Noel L. (See McKeige, E. E., and Case.)
Cash, A. W., Company. (See Temple, Paul C., assignor.)
Celanese Corporation of America. (See Groombridge, Walter H., assignor.)
Champ-Items Inc. (See Wylie, Ernest L., assignor.)
Champion, William J., La Grange, assignor to Ditto, Incorporated, Chicago, Ill. Preparation of relief printing sheets adapted for use in hectographic reproduction of photographs. 2,257,105; Sept. 30.
Chandler, Austin S., assignor to The Brown Bag Filling Machine Company, Fitchburg, Mass. Dispensing device. 2,257,412; Sept. 30.
Chandler, Austin S., assignor to The Brown Bag Filling Machine Company, Fitchburg, Mass. Envelope or container. 2,257,413; Sept. 30.
Chandler & Price Company, The. (See Jirousek, Joseph F., assignor.)
Chase, E. E., Jr. (See Alton, Thomas, assignor.)
Chevy Chase Co. (See Alton, Thomas.)
Chicago Metallic Manufacturing Company. (See Langel, Adrien L., assignor.)
Chicago Telephone Supply Company. (See Schellenger, Newton C., assignor.)
Childress, William C., Oak Park, assignor to Acme Steel Company, Chicago, Ill. Strap sealing apparatus. 2,257,090; Sept. 30.
Chireix, Henri, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil. Direct reading radio goniometer. 2,257,594; Sept. 30.
Christensen, Alfred C., assignor to H. S. Simpson, Chicago, Ill. Sand sampler. 2,257,672; Sept. 30.
Christiansen, Walter G., Glen Ridge, N. J., assignor to E. R. Squibb & Sons, New York, N. Y. Dermal lotion. 2,257,106; Sept. 30.
Chrysler Corporation. (See Dunn, William T., assignor.)
Chrysler Corporation. (See Livar, Allen P., assignor.)
Cincinnati Grinders Incorporated. (See Binns, G. W., and Dall, assignors.)
Cincinnati Grinders Incorporated. (See Graf, Andrew J., assignor.)
Claire, Robert W., et al. (See Britt, Vernon E., assignor.)
Clare, Norval D. (See Gilbert, H. N., and Clare.)
Clark, Gilbert R. (See Smith, J. E. Whitaker, and Clark.)
Clark, Herbert S., assignor to Scarborough Guild, Limited, Scarborough Township, Ontario, Canada. Loom. 2,257,455; Sept. 30.
Clarke, Allen W., and R. F. Koeneman, St. Charles, Mo., assignors to American Car and Foundry Company, New York, N. Y. Reclining seat. 2,257,156; Sept. 30.
Clarke, John A., St. Louis, Mo. Fundus camera. 2,257,331; Sept. 30.
Clarke, Robert E., Palo Alto, assignor to Marine Magnesium Products Corporation, South San Francisco, Calif. Calcium magnesium carbonate product and manufacture. 2,257,544; Sept. 30.
Clauss, Guido O., Elizabethtown, Pa. Knitting machine. 2,257,332; Sept. 30.
Clearing Machine Corporation. (See Johansen, Einar K., assignor.)
Coberly, Clarence J., Los Angeles, Calif., assignor to Roko Corporation, Reno, Nev. Centrifugal separator. 2,257,107; Sept. 30.
Cochin, John D., San Francisco, Calif. Hose well. 2,257,368; Sept. 30.
Cohen, David, New York, N. Y. World war game. 2,257,636; Sept. 30.
Colbeth, Ivor M., East Orange, N. J., assignor to The Baker Castor Oil Company, New York, N. Y. Insecticide. 2,257,711; Sept. 30.
Combelic, Perc A., et al. (See Auvil, Grady, assignor.)
Combs, Chester A., Benavides, assignor of thirty-three and one-third percent to B. L. Sherrod, Conroe, Tex. Well control device. 2,257,523; Sept. 30.
Combustion Engineering Company. (See Thorsell, Carl V., assignor.)
Compagnie Generale de Telegraphie Sans Fil. (See Chireix, Henry, assignor.)
Connolly, Gerald C., Baton Rouge, La., assignor to Standard Oil Development Company. Using catalysts. 2,257,157; Sept. 30.
Consolidated Cover Co. (See Feurt, Donald M., assignor.)
Consolidated Sewing Machine & Supply Co. Inc. (See Redlich, Solomon, assignor.)
Cook, Everett J., assignor to H. H. Buggie & Company, Toledo, Ohio. Reproducing machine. 2,257,673; Sept. 30.
Cooley, Austin G., assignor, by mesne assignments, to Times Telephoto Equipment Inc., New York, N. Y. Synchronous motor circuit. 2,257,158; Sept. 30.
Corbett, Harvey W. (See Hasenburger, H., and Corbett.)
Corhart Refractories Company. (See Smyth, Harold T., assignor.)
Cornwell, Ralph E., La Canada, Calif. Hydraulic driving and differential mechanism for vehicles. 2,257,108; Sept. 30.
Cotterman, Frederick W., assignor of one-half to B. D. Apple, Dayton, Ohio. Automatic clutch and transmission gearing. 2,257,333; Sept. 30.
Crandell, Dean D., Buffalo, and J. J. Ryan, Kenmore, assignors to National Gypsum Company, Buffalo, N. Y. Wall construction. 2,257,712; Sept. 30.
Crane Co. (See Hepner, Leonard H., assignor.)
Crane Co. (See Marchand, Eugene W., Jr., assignor.)
Crites, Orr E., Short Hills, N. J. Electrical cooking device. 2,257,159; Sept. 30.
Crockford, Joseph R., Chicago, Ill., assignor to Efficiency Specialties, Omaha, Nebr. Scouring device. 2,257,456; Sept. 30.
Crosthwait, Alvin. (See Greenlee, E. M., and Crosthwait.)
Crothers, Paul F. (See Trier, F. R., and Crothers.)
Curtis, Francis J., assignor to Monsanto Chemical Company, St. Louis, Mo. Detergent composition. 2,257,545; Sept. 30.
Cutler-Hammer, Inc. (See Lilliquist, Arvid E., assignor.)
Cutting, Clark T., Canandaigua, N. Y. Stick holding device. 2,257,160; Sept. 30.
Dahn, Floyd E., et al. (See Auvil, Grady, assignor.)
Dall, Albert H. (See Binns, G. W., and Dall.)
Danielson, Edwin W., Dunellen, N. J. Paint for simulating wood grain. 2,257,595; Sept. 30.
Darbyshire, Matt. (See Roche, J. F., and Darbyshire.)
Dater, Maurice M., assignor to J. D. Brown, Detroit, Mich. Night stick. 2,257,227; Sept. 30.
Davenport, Ralph M., Southgate, Calif. Leveler scraper. 2,257,596; Sept. 30.
Davidson, Arthur C., Chicago, Ill. Truck stabilizer. 2,257,109; Sept. 30.
Davis, Arthur G., South Merchantville, N. J., assignor to United States Gasket Company. Gasket. 2,257,334; Sept. 30.
Davis, Edward W., assignor to Regents of the University of Minnesota, Minneapolis, Minn. Furnace structure for reducing ores. 2,257,110; Sept. 30.
Davis, Thomas A., Portland, Oreg. Catheter and drainage tube. 2,257,369; Sept. 30.
Davison, Charles R. (See Turner, E. A., and Davison.)
De Bats, Jean H. L., East Orange, N. J. Metal treating. 2,257,713; Sept. 30.
De Bogory, Alexander, Miami, Fla. Solar water heater. 2,257,524; Sept. 30.
Deere, John, Tractor Company. (See McCormick, Elmer, assignor.)
De Garmo, Willis D., Fort Edward, N. Y. Flush tank valve. 2,257,292; Sept. 30.
De Graff, Wilbur C. (See Lange, M. E., and De Graff.)
De Kay, Robert E., assignor to Na-Mac Products Corp., Los Angeles, Calif. Closeable orifice device. 2,257,370; Sept. 30.
De Leeuw, Peter, and C. E. Wooddell, assignors to The Carborundum Company, Niagara Falls, N. Y. Bonded abrasive article. 2,257,371; Sept. 30.
Dennison Manufacturing Company. (See Smith, Alfred W., assignor.)
Dentists' Supply Company of New York, The. (See Beckmann, William H., assignor.)
Detroit Power Screwdriver Company. (See Bailey, Roy W., assignor.)
Deutsche Malzena Gesellschaft m. b. H. (See Frischmuth, G., and Frobel, assignors.)
De Walt Products Corporation. (See Gardner, Wallace W., assignor.)
Dienenthal, Herbert, and T. Zimmermann, Siegen, Westphalia, Germany. Self-propelled machine for handling forgings. 2,257,546; Sept. 30.
Dietrich, Walter H., Hazleton, Pa., assignor to Duplan Silk Corporation, New York, N. Y. Pile fabric loom construction. 2,257,228; Sept. 30.
Dircksen, Arnold D. (See Roper, J. M., and Dircksen.)
Dirkes, Robert F. (See Roberts, G. L., and Dirkes.)
Ditto, Incorporated. (See Champion, William J., assignor.)
Ditto, Incorporated. (See Hoskins, William, Jr., assignor.)
Douglas Aircraft Company. (See Lundgren, A. T., Rogers, and Pavlecka, assignors.)
Downey, Bert F. (See Watson, Oliver, assignor.)
Draeger, Lloyd H., assignor to The T. L. Smith Company, Milwaukee, Wis. Distributing chute for concrete mixers. 2,257,161; Sept. 30.
Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Furnace. 2,257,229; Sept. 30.
Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Glass inspection apparatus. 2,257,230; Sept. 30.
Draper Corporation. (See Hoeber, Harold, assignor.)
Dreyfus, Henry, London, England. Manufacture of hydrocarbons. 2,257,293; Sept. 30.
Drummond, Virgil D. (See Throckmorton, J. W., and Drummond.)

Dufault, Homer D., Easthampton, assignor to Holyoke Heater Company, Holyoke, Mass. Water heater. 2,257,720; Sept. 30.

Dufault, Homer D., Easthampton, assignor to Holyoke Heater Company, Holyoke, Mass. Gas wafer heater. 2,257,721; Sept. 30.

Duisberg, Walther H. (See Esselman, P., and Düsing.)

Duncan, Gordon W., Scotch Plains, N. J., assignor to Standard Oil Development Company. Solvent treating mineral oils. 2,257,547; Sept. 30.

Dunn, William T., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,257,674; Sept. 30.

Duplan Silk Corporation. (See Dietrich, Walter H., assignor.)

Du Pont, E. I., de Nemours & Company. (See Burrows, L. A., Lawson, and Van Winter, assignors.)

Du Pont, E. I., de Nemours & Company. (See Erickson, Wallace A., assignor.)

Du Pont, E. I., de Nemours & Company. (See Friedrich, M. E., and Schniepp, assignors.)

Du Pont, E. I., de Nemours & Company. (See Gilbert, H. N., and Clare, assignors.)

Du Pont, E. I., de Nemours & Company. (See Macallum, Alexander D., assignor.)

Du Pont, E. I., de Nemours & Company. (See Schaumann, Holger H., assignor.)

Du Pont, E. I., de Nemours and Company. (See Vohrer, Herbert, assignor.)

Düsing, Josef. (See Esselmann, P., and Düsing.)

Eastus, Harold L., Muncie, Ind., assignor to Owens-Illinois Glass Company. Plunger screw-out chuck. 2,257,675; Sept. 30.

Eaton, Francie. (See Eaton, James A., assignor.)

Eaton, James A., assignor to F. Eaton, Birmingham, Mich. Two-cycle Diesel engine. 2,257,372; Sept. 30.

Eaton Manufacturing Company. (See Werther, Odin, assignor.)

Edison General Electric Appliance Company. (See Walker, Forrest A., assignor.)

Edwards, Andrew F., et al. (See Britt, Vernon E., assignor.)

Efficiency Specialties. (See Crockford, Joseph R., assignor.)

Electric Controller & Manufacturing Company, The. (See Yorkey, William R., assignor.)

Elliott Company. (See Baker, Virgil H., assignor.)

Elvove, Elias, Washington, D. C., assignor to the Government of the United States of America, as represented by the Secretary of the Treasury. Removing fluorides from drinking water. 2,257,111; Sept. 30.

Emmer, Charles E., assignor to General Binding Corporation, Chicago, Ill. Binding machine. 2,257,714; Sept. 30.

Ender, Willibald. (See Orthner, L., and Ender.)

Erickson, Wallace A., Chicago, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Solubilization of diazoimino compounds. 2,257,091; Sept. 30.

Ernst, Walter, Mount Gilead, Ohio, assignor to The Hydraulic Press Corp., Inc., Wilmington, Del. Press with corner-guided platen. 2,257,294; Sept. 30.

Esselmann, Paul, Wolfen, and J. Düsing, Dessau, Germany, assignors, by mesne assignments, to W. H. Duisberg, New York, N. Y. Production of resins from alkylenelmine with arylisocyanates. 2,257,162; Sept. 30.

Esselmann, Paul, Wolfen, Kreis Bitterfeld, and J. Düsing, Dessau, Germany, assignors, by mesne assignments, to W. H. Duisberg, New York, N. Y. Synthetic resin stable against dilute acids and alkalies. 2,257,163; Sept. 30.

Euwer, Herbert D., St. Louis, Mo., assignor to American Car and Foundry Company, New York, N. Y. Air conditioning unit. 2,257,164; Sept. 30.

Evans, Seth, and R. S. Grant, assignors to Hughes Tool Company, Houston, Tex. Tool joint welding. 2,257,335; Sept. 30.

Fageol, Rollie B., Beverly Hills, Calif. Automobile buffer. 2,257,495; Sept. 30.

Fanselow, John R., Appleton, Wis., assignor to K. C. M. Company, Dayton, Ohio. Method and apparatus for coating sheet material. 2,257,373; Sept. 30.

Fellmer, Ernst, Leverkusen-I. G.-Werk, Germany, assignor to General Aniline & Film Corporation, New York, N. Y. Azo dyestuffs containing chromium in complex union. 2,257,165; Sept. 30.

Feurt, Donald M., assignor to Consolidated Cover Co., San Francisco, Calif. Knife for paper converting machines. 2,257,336; Sept. 30.

Fischer, Franz, and H. Pichler, Mulheim, Ruhr, Germany, assignors, by mesne assignments, to Hydrocarbon Synthesis Corporation, Linden, N. J. Production of aliphatic hydrocarbons. 2,257,457; Sept. 30.

Fischer, Russell J., East St. Louis, Ill. Oil burner. 2,257,548; Sept. 30.

Fisher, Robert P., Los Angeles, Calif. Crusher and pulverizer. 2,257,166; Sept. 30.

Fivian, Otto, Locarno-Muralto, Switzerland. Preparation for combating pests and disinfecting seeds. 2,257,597; Sept. 30.

Fletcher Works, Incorporated. (See Schaum, Otto W., assignor.)

Flint, Edward F., Rochester, and J. R. Miles, Brighton, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Light projector. 2,257,232; Sept. 30.

Flodman, Curtis, Polk, Nebr. Trailer hitch for towing tractors. 2,257,526; Sept. 30.

Ford, Ben K., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Article forming machine. 2,257,458; Sept. 30.

Forster, Alfred Lindsay, Glasgow, Scotland, assignor, by mesne assignments, to Owens-Corning Fiberglas Corporation. Manufacture of special shapes of heat and sound insulation bodies. 2,257,112; Sept. 30.

Frease, Hurxthal F., Canton, Ohio. Separable frame and connected block structure. 2,257,598; Sept. 30.

Freeman, Robert L., Flushing, N. Y., assignor to Hazeltine Corporation. Frequency-modulated carrier-signal translating system. 2,257,092; Sept. 30.

French & Hecht, Incorporated. (See Hecht, Joseph L., assignor.)

Frey, Elmer A., Lansing, Ill. Vent protector for air brake pressure retaining valves. 2,257,231; Sept. 30.

Friedrich, Martin E., Carneys Point, N. J., and L. E. Schniepp, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Dinitro-benzotrifluoride compounds. 2,257,003; Sept. 30.

Frischmuth, Georg, and E. Frobel, Hamburg, assignors to the firm Deutsche Maizena Gesellschaft m. b. H., Maizenahaus, Hamburg, Germany. Manufacture of starch products. 2,257,599; Sept. 30.

Fritz, Edward M., assignor to Grand Rapids Cabinet Company, Grand Rapids, Mich. Cold storage cabinet. 2,257,374; Sept. 30.

Frobel, Engelbert. (See Frischmuth, G., and Frobel.)

Froelich, Gustave H., assignor to The Turner & Seymour Manufacturing Company, Torrington, Conn. Can opener. 2,257,549; Sept. 30.

Fuchs, Julius, assignor of forty-five percent to A. J. Baker, Cleveland, Ohio. Cleaning device. 2,257,600; Sept. 30.

Fulford Mfg. Co. (See Starr, Everett L., assignor.)

Gagné, Augustin. (See Lawson, R. H., and Gagné.)

Gallasch, George B., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Recording instrument. 2,257,233; Sept. 30.

Gance, Abel, Neuilly-sur-Seine, and Pierre Angénieux, Paris, France. Optical device for photography. 2,257,676; Sept. 30.

Garcia, Salvador G., Somerset Centre, Mass. Thread stand. 2,257,414; Sept. 30.

Gardner, Wallace W., assignor to De Walt Products Corporation, Lancaster, Pa. Attachment for power saws. 2,257,459; Sept. 30.

Gas Products Corporation. (See Parker, Claude E., assignor.)

Gaugler, Daniel D. and E. E., Shamokin Dam, Pa. Chair for motion picture theaters. 2,257,496; Sept. 30.

Gaugler, Edna E. (See Gaugler, Daniel D. and E. E.)

Gaul, Andrew, Jr., Slingerlands, N. Y. Grate. 2,257,295; Sept. 30.

Gavlak, Joseph G., Monongahela, Pa. Wrench. 2,257,460; Sept. 30.

Gay, Carol W., Billings, Mont., assignor of one-half to E. F. Gay, Almota, Wash. Collapsible table and bench. 2,257,550; Sept. 30.

Gay, Elliott F. (See Gay, Carol W., assignor.)

Geigy, J. R., A. G. (See Krebser, Adolf, assignor.)

General Aniline & Film Corporation. (See Ballauf, A., and Bayer, assignors.)

General Aniline & Film Corporation. (See Fellmer, Ernst, assignor.)

General Aniline & Film Corporation. (See Krzikalla, H., and Armbruster, assignors.)

General Aniline & Film Corporation. (See Münz, F., and Tröseken, assignors.)

General Aniline & Film Corporation. (See Orthner, L., and Ender, assignors.)

General Aniline & Film Corporation. (See Riedmair, J., Plissier, and Torinus, assignors.)

General Aniline & Film Corporation. (See von Meister, F. W., and Andrew, assignors.)

General Aniline & Film Corporation. (See Zerweck, W., and Brunner, assignors.)

General Binding Corporation. (See Emmer, Charles E., assignor.)

General Electric Company. (See Aschermann, Gunther, assignor.)

General Electric Company. (See Atchison, Leonard W., assignor.)

General Electric Company. (See Bany, Herman, assignor.)

General Electric Company. (See McKeag, A. H., and Ranby, assignors.)

General Electric Company. (See Thumim, Carl, assignor.)

General Tire & Rubber Company, The. (See Kraft, Herman T., assignor.)

Geophysical Research Corporation. (See Owen, John E., assignor.)

George, Warren, Neenah, Wis., assignor to K-C-M Company, Dayton, Ohio. Coating apparatus. 2,257,113; Sept. 30.

Gerdin, Olof B., Seattle, Wash. Fishline sinker. 2,257,415; Sept. 30.

Gerhardt, Philip B., and J. V. Sommer, Elizabeth, N. J., assignors to Standard Oil Development Company. Rendering of viscous to gummy olefin polymers nonadherent. 2,257,167; Sept. 30.

Gertler, Hyman, Montreal, Quebec, Canada. Combination bed and chair. 2,257,497; Sept. 30.

Gilbert, Harvey N., and N. D. Clare, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Sodium perborate product. 2,257,461; Sept. 30.

Gildersleeve, Gordon H., Cranford, N. J., and E. Graber, Douglaston, N. Y., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Air conditioning system. 2,257,462; Sept. 30.

Gisondi, Emanuel, Scarsdale, N. Y. Fastening device. 2,257,525; Sept. 30.

Gleason, William W., assignor to Nachman Springfilled Corporation, Chicago, Ill. Upholstery spring construction. 2,257,375; Sept. 30.

Glendon, Frank A. (See Scott, G. D., Whittemore, and Glendon.)

Goetz-Voss Corporation. (See Prill, George F., assignor.)

Goldsmith, William M., Cincinnati, Ohio. Lath mounting. 2,257,296; Sept. 30.

Goldstine, Hallan E., Rocky Point, N. Y., assignor to Radio Corporation of America. High frequency radio relay system. 2,257,094; Sept. 30.

Goodwin, Clayton, Denver, Colo., assignor to American Telephone and Telegraph Company. Printing telegraph system. 2,257,677; Sept. 30.

Goodwyn, George G., Dallas, Tex. Candy wrapping machine. 2,257,463; Sept. 30.

Gottlieb, Manious, Philadelphia, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Variable capacity pump for governing apparatus. 2,257,095; Sept. 30.

Gould, George, assignor to Wolseley Motors Limited, Birmingham, England. Machine for rolling screw threads. 2,257,234; Sept. 30.

Goulds Pumps, Inc. (See Mann, John, assignor.)

Government of the United States of America, as represented by the Secretary of the Treasury. (See Elvove, Elias, assignor.)

Graber, Ernst. (See Gildersleeve, G. H., and Graber.)

Grable, Donovan B., Long Beach, Calif. Dental amalgamator. 2,257,337; Sept. 30.

Graf, Andrew J., Norwood, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Radius truing attachment. 2,257,464; Sept. 30.

Grand Rapids Cabinet Company. (See Fritz, Edward M., assignor.)

Grant, Richard S. (See Evans, S., and Grant.)

Greenfield Tap and Die Corporation. (See Herrick, A. A., and Koonz, assignors.)

Greenlee, Eli M., and A. Crosthwait, Newport, Ky. Centrifugal pump. 2,257,678; Sept. 30.

Greer, Agnes J. R. (See Shoemaker, Robert W., assignor.)

Grethe, Kurt, Bochum, Germany. Traveling grate. 2,257,416; Sept. 30.

Grey, Erwin, Kankakee, assignor to Paramount Textile Machinery Co., Chicago, Ill. Loop spreading tool. 2,257,376; Sept. 30.

Griffin, Herbert, Jersey City, N. J., and J. Pearlman, assignors to International Projector Corporation, New York, N. Y. Producing motion pictures. 2,257,551; Sept. 30.

Grimm, Hans, and O. Kempf, Possneck, Thuringia, Germany. Knitted fabric. 2,257,235; Sept. 30.

Groombridge, Walter H., Spondon, near Derby, England, assignor to Celanese Corporation of America. Absorption of olefins in acid liquors. 2,257,297; Sept. 30.

H & W Kite Co. (See Hahn, John, assignor.)

Haben, Acea R., assignor of one-half to Scobey Fireproof Storage Company, San Antonio, Tex. Freezing tray. 2,257,377; Sept. 30.

Hahn, John, assignor to H & W Kite Co., Decatur, Ill. Kite and forming the same. 2,257,298; Sept. 30.

Hale, William E., Fort Washington, assignor to Beaumont Birch Company, Philadelphia, Pa. Remote control mechanism for drag scrapers. 2,257,096; Sept. 30.

Hall, Frank W., New York, and C. C. Towne, Beacon, assignors to The Texas Company, New York, N. Y. Method of lubrication. 2,257,601; Sept. 30.

Hall, John D. (See Starr, R. H., Masters, and Hall.)

Hamby, Allan M., Cottage City, Md. Circuit closer. 2,257,679; Sept. 30.

Hammack, George W., Richmond, Va. Apparatus and method for cleaning and separating leaf tobacco. 2,257,552; Sept. 30.

Hammond, John H., Jr., Gloucester, Mass. Signaling system. 2,257,168; Sept. 30.

Hansell, Walter, New York, N. Y. Game device. 2,257,602; Sept. 30.

Hansen, Clarence K., Racine, Wis. Tire inflation apparatus. 2,257,498; Sept. 30.

Hardesty, Francis D. (See Hull, Alva M., assignor.)

Harrah, Clayton C., assignor to National Standard Company, Niles, Mich. Sealing element. 2,257,603; Sept. 30.

Harrah, Clayton C., assignor to National Standard Company, Niles, Mich. Tire casing. 2,257,604; Sept. 30.

Harris, George W., Chicago, Ill. Hydraulic compressor. 2,257,378; Sept. 30.

Harris-Seybold-Potter Company. (See Wood, William H., assignor.)

Harth, Philip E., Clayton, Mo. Application of drilling fluids. 2,257,114; Sept. 30.

Hartley, Albert L., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Adjustable flame hardening torch. 2,257,605; Sept. 30.

Hartmann Trunk Company. (See Ritter, Julius, Jr., assignor.)

Harvey, Leo M. (See Thacker, Ralph S., assignor.)

Hasenburger, Henry, Newark, N. J., and H. W. Corbett, assignors to Prebilt Housing Corporation, New York, N. Y. Fastening means for uniting building members. 2,257,499; Sept. 30.

Haux, Elmer H., Tarentum, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Preventing interior frosting of multiglazed units. 2,257,680; Sept. 30.

Haux, Elmer H., Tarentum, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Apparatus for making cellular glass blocks. 2,257,681; Sept. 30.

Havener, Arthur R., Wayland, assignor to Judson L. Thomson Manufacturing Company, Waltham, Mass. Work support for riveting and similar machines. 2,257,379; Sept. 30.

Hayden, Joseph B., Greensburg, Pa. Piston. 2,257,236; Sept. 30.

Haywood, Kenneth S., Oak Park, Ill., assignor to American Telephone and Telegraph Company. Ticket stacking device. 2,257,683; Sept. 30.

Hazeltine Corporation. (See Freeman, Robert L., assignor.)

Heald Machine Company, The. (See Scott, G. D., Whittemore, and Glendon, assignors.)

Hecht, Joseph L., Davenport, Iowa, assignor to French & Hecht, Incorporated. Wheel structure. 2,257,237; Sept. 30.

Hecht, Joseph L., Davenport, Iowa, assignor to French & Hecht, Incorporated. Wheel structure. 2,257,684; Sept. 30.

Hellwig, Willy. (See Rohn, W., Hessenbruch, and Hellwig.)

Hemphill Company. (See Lawson, R. H., and Gagné, assignors.)

Hemphill Company. (See Smith, William L., Jr., assignor.)

Hepner, Leonard H., Trenton, N. J., assignor to Crane Co., Chicago, Ill. Refractory body. 2,257,380; Sept. 30.

Hept, John A., Rochester, N. Y., assignor to American Telephone and Telegraph Company. Ribbon reverse mechanism. 2,257,553; Sept. 30.

Heraeus-Vacuumschmelze A. G. (See Rohn, W., Hessenbruch, and Hellwig, assignors.)

Herbert, Harry, South Amboy, N. J. Combination dispenser and cleaning brush. 2,257,606; Sept. 30.

Hermani, Louis, Baltimore, Md., assignor to Owens-Illinois Can Company. Box. 2,257,682; Sept. 30.

Herrick, Albert A., and E. R. Koonz, assignors to Greenfield Tap and Die Corporation, Greenfield, Mass. Flute grinding apparatus. 2,257,256; Sept. 30.

Herskovits, Benjamin, assignor of forty-five one-hundredths to M. Segal, New York, N. Y. Taximeter control device. 2,257,115; Sept. 30.

Herstedt, Delbert C., Moline, Ill. Animal trap. 2,257,299; Sept. 30.

Hessenbruch, Werner. (See Rohn, W., Hessenbruch, and Hellwig.)

Hesser, Fr., Maschinenfabrik-Aktiengesellschaft. (See Jungmayr, Theodor, assignor.)

Hexter, Paul L., Cleveland Heights, Ohio. Dispensing apparatus. 2,257,238; Sept. 30.

Hickok Manufacturing Company. (See Mix, E. S., and Vaisey, assignors.)

Hidstitch Company. (See Arver, Joseph F., assignor.)

Hidy, John W., Pocatello, Idaho, assignor to American Telephone and Telegraph Company. Oscillation generator. 2,257,685; Sept. 30.

Higginbottom, William E., Radnor, assignor to Benjamin C. Betner Company, Devon, Pa. Method of and apparatus for feeding bags from a stack. 2,257,465; Sept. 30.

Hines, Claude M., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electric brake control. 2,257,300; Sept. 30.

Hitchcock, Ethel I., West Boylston, Mass. Mattress clamping device. 2,257,554; Sept. 30.

Hoague-Sprague Corporation. (See Knowlton, Cutler D., assignor.)

Hock, Alvin, Cincinnati, Ohio. Strainer. 2,257,686; Sept. 30.

Hoeber, Harold, South Dartmouth, assignor to Draper Corporation, Hopedale, Mass. Method of and gauge for adjusting automatic looms. 2,257,257; Sept. 30.

Hoffmann-La Roche Inc. (See Meyer, Robert E., assignor.)

Hoffmann, Victor A., Harvey, Ill. Water closet bowl. 2,257,500; Sept. 30.

Holmes, Arthur S. (See Matanovich-Manov, M., and Holmes.)

Holyoke Heater Company. (See Dufault, Homer D., assignor.)

Hoover Company, The. (See Kitto, William H., assignor.)
Hoover Company, The. (See Smellie, Donald G., assignor.)
Hoover Company, The. (See Troxler, Charles G., assignor.)
Hoover Company, The. (See Whittle, William S., assignor.)
Hopkins, Arthur G., Maspeth, N. Y., assignor to National Can Corporation. Snap lock cover can. 2,257,715; Sept. 30.
Hopps, Earl H., Ferndale, Mich. Rotary cutter. 2,257,169; Sept. 30.
Hoskins, William, Jr., La Grange, assignor to Ditto, Incorporated, Chicago, Ill. Means for and method of duplicating. 2,257,116; Sept. 30.
Howell, Hugh A., Berwyn, assignor to Frank Raffles, Chicago, Ill. Sound recording apparatus. 2,257,466; Sept. 30.
Howell, Lynn G., Houston, Tex., assignor to Standard Oil Development Company. Locating hydrocarbon deposits in the earth. 2,257,170; Sept. 30.
Huebner, Walter G. (See Pfeifer, J., and Huebner.)
Huffaker, John E., Portland, Oreg. Board. 2,257,687; Sept. 30.
Huffman, Samuel A., Ben Avon, assignor to Miller Printing Machinery Co., Pittsburgh, Pa. Sheet handling mechanism. 2,257,117; Sept. 30.
Hughes Tool Company. (See Evans, S., and Grant, assignors.)
Hull, Alva M., assignor of one-fifth to F. D. Hardesty, Detroit, Mich. Structural element. 2,257,338; Sept. 30.
Hulsebos, Wichert, Laren, assignor to Naamlooze Vennootschap: Hulsemo, Utrecht, Netherlands. Nonjamming rolling surface for wobbler mechanisms. 2,257,258; Sept. 30.
Humphrey, Fred, and A. Krieger, assignors to The Pass Book and Check Cover Company, Denver, Colo. Folding check cover. 2,257,381; Sept. 30.
Huyett, Robert B., assignor to Pangborn Corporation, Hagerstown, Md. Abrading apparatus. 2,257,118; Sept. 30.
Hydraulic Press Corp., Inc. (See Ernst, Walter, assignor.)
Hydrocarbon Synthesis Corporation. (See Fischer, F., and Pichler, assignors.)
Ike, Dick. (See Siebert, W. E., and Ike.)
Illinois Tool Works. (See Olson, Carl G., assignor.)
Imhoff, Carl A., West Los Angeles, Calif. Rotary brush. 2,257,339; Sept. 30.
Ingersoll-Rand Company. (See Jimerson, Francis A., assignor.)
Inoue, Bunzaemon, assignor to Sumitomo Denki Kogyo Kabusiki Kaisya, Osaka, Japan. High frequency communication cable. 2,257,259; Sept. 30.
International Detachable Bits & Equipment, Limited. (See Knutson, Gustave, assignor.)
International Projector Corporation. (See Griffin, H., and Pearlman, assignors.)
International Projector Corporation. (See Shortt, Earl J., assignor.)
Ironsides Company, The. (See Williams, Robert C., assignor.)
Jacobsen, Edwin, Altadena, Calif. Folded article. 2,257,340; Sept. 30.
Jacobson, Samuel, assignor to M. H. Thurnauer, Cincinnati, Ohio. Cleaning composition. 2,257,467; Sept. 30.
Jage, Fritz, assignor to the firm Silesia Verein Chemischer Fabriken, Saarau, Kreis Schweidnitz, Germany. Polysulphide film-forming material and preparing the same. 2,257,607; Sept. 30.
Javery, Frank B., and R. C. Longvall, assignors to Warp Compressing Machine Company, Worcester, Mass. Yarn delivery arrangement for creels. 2,257,382; Sept. 30.
Jefferson Electric Company. (See Rickmeyer, Ernst W., assignor.)
Jepson, Percy, assignor to Pacific Machinery Company, San Francisco, Calif. Fruit treating machine. 2,257,341; Sept. 30.
Jimerson, Francis A., Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Grinding machine. 2,257,501; Sept. 30.
Jirousek, Joseph F., assignor to The Chandler & Price Company, Cleveland, Ohio. Printing press. 2,257,502; Sept. 30.
Johannesen, Douglas H., Chicago, Ill. Dust guard. 2,257,119; Sept. 30.
Johansen, Einar K., Chicago, assignor to Clearing Machine Corporation, Clearing, Ill. Press. 2,257,383; Sept. 30.
Johnston, John, Jersey City, N. J. Nontilting fifth wheel. 2,257,563; Sept. 30.
Johnston, William B., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Catalytic process. 2,257,384; Sept. 30.
Jones, Kenneth W., Bush Hill Park, Enfield, England. Apparatus for knocking up sheets of paper. 2,257,688; Sept. 30.
Josenhans, Max. (See Koehler, F., and Josenhans.)
Jungmayr, Theodor, Stuttgart, assignor to the firm Fr. Hesser, Maschinenfabrik-Aktiengesellschaft, Stuttgart-Bad Cannstatt, Germany. Machine for manufacturing bags. 2,257,689; Sept. 30.
K. C. M. Company. (See Fanselow, John R., assignor.)
K-C-M Company. (See George, Warren, assignor.)
Kartvelichvili, Alexander, North Hempstead, N. Y., now by judicial change of name Alexander Kartveli, assignor to Seversky Aircraft Corporation. Airfoil. 2,257,260; Sept. 30.
Kauffman, Walter L., II, assignor to Lovell Manufacturing Company, Erie, Pa. Wringer mechanism. 2,257,690; Sept. 30.
Kauffmann, Hans O., Eggertsville, assignor to Buffalo Electro-Chemical Company, Inc., Buffalo, N. Y. Bleaching fibers of vegetable origin. 2,257,716; Sept. 30.
Keefe, Arthur, Akron, Ohio. Electrical connection. 2,257,608; Sept. 30.
Keegan, John G., Cheyenne, Wyo. Storage water heater. 2,257,385; Sept. 30.
Keep, Charles R., Norwood, assignor to B. F. Sturtevant Company, Boston, Mass. Spray nozzle. 2,257,691; Sept. 30.
Kell, Walter M., assignor to Youngstown Foundry and Machine Company, Youngstown, Ohio. Sheet piler. 2,257,469; Sept. 30.
Keith, Kenneth M. (See Anderson, G., Parks, and Keith.)
Kelley, Frank H., Cumberland, Md. Power cylinder for internal combustion engines. 2,257,417; Sept. 30.
Kellogg Company. (See Raymer, Morris M., assignor.)
Kellogg, Homer G., assignor to Motor Products Corporation, Detroit, Mich. Windshield wiper arm. 2,257,692; Sept. 30.
Kempe, Paul, Milwaukee, Wis. Derrick. 2,257,386; Sept. 30.
Kempf, Oskar. (See Grimm, H., and Kempf.)
Kerrick, Walter B. (See Wightman, Frederick, assignor.)
Kilburn, Karl, Boston, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Manufacture of shoes. 2,257,343; Sept. 30.
Kimble, Murl J., Billings, Mont. Plant setter and corn and bean planter combination. 2,257,527; Sept. 30.
Kimble, Murl J., Billings, Mont. Plant setter. 2,257,528; Sept. 30.
King, William R., Mineola, Tex. Low pressure booster regulator. 2,257,171; Sept. 30.
Kinkade, Robert E., Long Beach, and C. B. Mallonee, Huntington Beach, Calif. High pressure pump. 2,257,387; Sept. 30.
Kitto, William H., Canton, assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,257,564; Sept. 30.
Klemola, Harold H., North Hollywood, assignor to Technicolor Motion Picture Corporation, Los Angeles, (Hollywood), Calif. Winding and unwinding apparatus. 2,257,172; Sept. 30.
Knowlton, Cutler D., Beverly, assignor, by mesne assignments, to Hoague-Sprague Corporation, Lynn, Mass. Apparatus for coating. 2,257,261; Sept. 30.
Knutson, Gustave, South Porcupine, Ontario, assignor, by mesne assignments, to International Detachable Bits & Equipment, Limited, Timmins, Ontario, Canada. Detachable bit rock drill. 2,257,418; Sept. 30.
Koch Butchers' Supply Company. (See Starr, R. H., Masters, and Hall, assignors.)
Koehler, Franz, and M. Josenhans, Leuna, Germany, assignors to Standard Catalytic Company. Apparatus for the reduction of pressure from mixtures of liquids with gases. 2,257,173; Sept. 30.
Koeneman, Ralph F. (See Clarke, A. W., and Koeneman.)
Kohout, George A., Chicago, Ill. Furnace. 2,257,693; Sept. 30.
Kollath, Bernard M., Chicago, Ill. Pilot for boring bars. 2,257,609; Sept. 30.
Koonz, Earl R. (See Herrick, A. A., and Koonz.)
Koren, Helman W., Bronx, assignor to Sonotone Corporation, New York, N. Y. Audiometer. 2,257,262; Sept. 30.
Koren, Helman W., Bronx, assignor to Sonotone Corporation, Elmsford, N. Y. Audiometer. 2,257,263; Sept. 30.
Kraft, Herman T., assignor to The General Tire & Rubber Company, Akron, Ohio. Motor control and brake mechanism. 2,257,610; Sept. 30.
Kraft, Ludwig. (See Strassberger, L., and Kraft.)
Krebser, Adolf, Riehen, near Basel, assignor to J. R. Geigy A. G., Basel, Switzerland. Dyeing leather. 2,257,694; Sept. 30.
Krider, George E., Duncansville, Pa. Triple crushing machine. 2,257,388; Sept. 30.
Krieger, Adam. (See Humphrey, F., and Krieger.)
Krzikalla, Hans, and R. Armbruster, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Improving fibrous materials. 2,257,239; Sept. 30.
Kurz, Friedrich Wilhelm Anton, assignor to Aktiebolaget Orrefors Glasbruk, Orrefors, Sweden. Lighting fixture. 2,257,419; Sept. 30.
Landis Machine Company. (See Nell, Frederic, assignor.)
Lange, Max E., Cleveland Heights, and W. C. De Graff, South Euclid, assignors to The Warner & Swasey Company, Cleveland, Ohio. Turning tool. 2,257,503; Sept. 30.
Langel, Adrien L., assignor to Chicago Metallic Manufacturing Company, Chicago, Ill. Cover for baking pans. 2,257,468; Sept. 30.
Langley, Bert, San Jose, Calif. Envelope feeder for typewriters. 2,257,174; Sept. 30.

Larson, Arthur G., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake system. 2,257,301; Sept. 30.
Larson, Arthur G., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electric brake system. 2,257,302; Sept. 30.
Lasker, Charles, Chicago, Ill. Steam producer. 2,257,565; Sept. 30.
Lau, Ernst, Berlin-Karow, Germany. Arrangement for determining the distance of an observer from predetermined objects. 2,257,420; Sept. 30.
Lawson, Robert H., Pawtucket, and A. Gagné, assignors to Hemphill Company, Central Falls, R. I. Striping device for knitting machines. 2,257,504; Sept. 30.
Lawson, Walter E. (See Burrows, L. A., Lawson, and Van Winter.)
Le Blond, R. K., Machine Tool Company, The. (See Hartley, Albert L., assignor.)
Le Fevre, De Witt C., assignor to Beaverite Products, Inc., Beaver Falls, N. Y. Coaster frame. 2,257,264; Sept. 30.
Lempco Products, Incorporated. (See Blazek, J. Y., and Roy, assignors.)
Lenfestey, Percy E. (See Olson, S., and Lenfestey.)
Lent, Henry E., Omro, Wis. Bovine mouth speculum. 2,257,696; Sept. 30.
Lewis, George E., assignor of one-half to B. L. Quarnstrom, Detroit, Mich. Welding electrode and forming the same. 2,257,566; Sept. 30.
Libbey-Owens-Ford Glass Company. (See Drake, John L., assignor.)
Libbey-Owens-Ford Glass Company. (See Lowry, Clyde D., assignor.)
Libbey-Owens-Ford Glass Company. (See Mercer, Donald F., assignor.)
Lichter, Malvin, New Rochelle, N. Y. Corncob holder. 2,257,505; Sept. 30.
Lieberknecht, Karl, Inc. (See Zesch, Eugene M., assignor.)
Lihotzky, Emil, Plattling, Bavaria, Germany. Worm press for the manufacture of alimentary pastes. 2,257,695; Sept. 30.
Liliquist, Arvid E., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Timing device for mechanical power drives. 2,257,611; Sept. 30.
Lindberg, John F., assignor to Carter Blatchford, Incorporated, Chicago, Ill. Railway switch lamp. 2,257,175; Sept. 30.
Linen Thread Co., The. (See Bunker, Royce S., assignor.)
Lineweaver, Hans. (See Balls, A. K., Lineweaver, and Schwimmer.)
Lininger, William W., Denver, Colo. Sun visor extension. 2,257,612; Sept. 30.
Linsert, Otto, Wuppertal-Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Vitamin D$_2$ double compounds. 2,257,176; Sept. 30.
Linsern, William, Cleveland, Ohio. Heating and air circulating unit. 2,257,342; Sept .30.
Livar, Allen P., Dayton, Ohio, assignor to Chrysler Corporation, Detroit, Mich. Draft diverter. 2,257,240; Sept. 30.
Lomax, Clarence E., Oak Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Relay control. 2,257,265; Sept. 30.
Lomax, Clarence E., Oak Park, and A. B. Smith, Evanston, assignors to Associated Electric Laboratories, Inc., Chicago, Ill. Signaling apparatus. 2,257,266; Sept. 30.
Longvall, Raymond C. (See Javery, F. B., and Longvall.)
Lovell Manufacturing Company. (See Kauffman, Walter L., II.)
Lowry, Clyde D., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sash and store front construction. 2,257,241; Sept. 30.
Lundeen, Chester A., Los Angeles, assignor to Byron Jackson Co., Huntington Park, Calif. Well pipe support. 2,257,120; Sept. 30.
Lundgren, Agne T., Trollhattan, Alvborgs Lan, Sweden, A. B. Rogers, and V. H. Pavlecka, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Percussive tool. 2,257,267; Sept. 30.
Luster, Eric W., Westfield, N. J., assignor to Standard Oil Development Company. Polymerization by means of a high frequency electric discharge. 2,257,177; Sept. 30.
Lybarger, Samuel F., assignor to E. A. Myers & Sons, Mount Lebanon, Pa. Carbon cell. 2,257,303; Sept. 30.
Mabry, Allen C., College Park, Ga. Screed chair. 2,257,421; Sept. 30.
Macallum, Alexander D., London, Ontario, Canada, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Recovery of levulinic acid. 2,257,389; Sept. 30.
Macdonald, John G., Toronto, Ontario, Canada. Flatiron. 2,257,506; Sept. 30.
Mahlman, Osborne L. (See Tone, F. J., Mahlman, and Brown.)
Maier, August R., Dallas, Tex., assignor to Oil Well Supply Company. Heavy duty brake. 2,257,722; Sept. 30.
Maier, Friedrich E., Berlin-Charlottenburg, Germany. Joint for wheel suspension devices. 2,257,422; Sept. 30.
Maling, Roy, West Roxbury, Mass. Footwear. 2,257,390; Sept. 30.
Mallonee, Cal B. (See Kinkade, R. E., and Mallonee.)
Malmqvist, Johan D., assignor to Bolidens Gruvaktiebolag, Stockholm, Sweden. Determining the velocity of elastic waves in the ground. 2,257,423; Sept. 30.
Maloney, Joe F., Houston, Tex. Screen pipe. 2,257,344; Sept. 30.
Mann, John, assignor to Goulds Pumps, Inc., Seneca Falls, N. Y. Pumping apparatus. 2,257,507; Sept. 30.
Mannfolk, George J., New York, N. Y. Steering apparatus. 2,257,613; Sept. 30.
Marchand, Eugene W., Jr., Maywood, assignor to Crane Co., Chicago, Ill. Drinking fountain head. 2,257,268; Sept. 30.
Marchant, Albert, Storm Lake, Iowa. Device for cleaning sweet corn. 2,257,470; Sept. 30.
Marine Magnesium Products Corporation. (See Clarke, Robert E., assignor.)
Marsh, Harry C., and W. M. Quilter, Long Beach, Calif. Tubing plug. 2,257,269; Sept. 30.
Martin, Homer Z., and D. L. Campbell, Elizabeth, N. J., assignors to Standard Oil Development Company. Reaction chamber. 2,257,178; Sept. 30.
Marx, Louis & Company. (See McKelge, E. E., and Case, assignors.)
Maschwitz, Percy A., Toledo, Ohio, assignor to The Pure Oil Company, Chicago, Ill. Producing improved motor fuels. 2,257,179; Sept. 30.
Mason, Waldon W., Kansas City, Mo. Hatch. 2,257,345; Sept. 30.
Masters, Clarence. (See Starr, R. H., Masters, and Hall.)
Matanovich-Manov, Mateo, Berkeley, and A. S. Holmes, assignors to Oakland Scavenger Co., Oakland, Calif. Garbage disposal plant sorting apparatus. 2,257,567; Sept. 30.
Mathes, Robert C., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Communication system. 2,257,568; Sept. 30.
Mathey, Alcide E. (See Scully, F. P., and Mathey.)
Mattos, George E., Oakland, Calif. Drawing instrument. 2,257,529; Sept. 30.
Mayer, Carl F., Lakewood, Ohio. Oven. 2,257,180; Sept. 30.
McCarthy, Timothy F., Indiana, Pa. Combined cutting and loading machine. 2,257,181; Sept. 30.
McCarthy, Vern I., Maywood, assignor to Vulcan Stamping & Mfg. Co., Bellwood. Ill. Composite container. 2,257,569; Sept. 30.
McClary, Archie W., Oakland, Calif. Container. 2,257,697; Sept. 30.
McClay, Roy C., West Los Angeles, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y. Film splicing device. 2,257,182; Sept. 30.
McClellan, Earl J., Jr. (See Behm, W., and McClellan.)
McCombie, John R., Newark, N. J. Marine propelling device. 2,257,698; Sept. 30.
McCormick, Elmer, assignor to John Deere Tractor Company, Waterloo, Iowa. Internal combustion engine. 2,257,614; Sept. 30.
McCullough, Ira J., Los Angeles, Calif. Gun perforator for well casings. 2,257,270; Sept. 30.
McCullough, Ira J., Los Angeles, Calif. Perforating gun with serial firing means. 2,257,271; Sept. 30.
McCullough, Ira J. (See Reynolds, Waldo S., assignor.)
McCullough, Neel M., assignor to The Pierce Governor Company, Anderson, Ind. Low speed acceleration safety device. 2,257,615; Sept. 30.
McDonell, Alexander D., Vancouver, British Columbia, Canada. Window cleaner or washer. 2,257,391; Sept. 30.
McGrath, William L., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature control system. 2,257,471; Sept. 30.
McGrath, William L., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Automatic control system. 2,257,472; Sept. 30.
McKeag, Alfred H., and P. W. Ranby, North Wembley, England, assignors to General Electric Company. Luminescent material. 2,257,699; Sept. 30.
McKelge, Edward E., and N. L. Case, Girard, Pa., assignors to Louis Marx & Company, Inc., New York, N. Y. Remote control system for toys. 2,257,473; Sept. 30.
McKeon, William D., assignor to Norton Company, Worcester, Mass. Honing head. 2,257,474; Sept. 30.
McNeal, Donald L., and J. Canetta, Wilkinsburg, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake control means. 2,257,308; Sept. 30.
Meehan, Albert, Baltimore, Md. Strap end retainer. 2,257,700; Sept. 30.
Mercedes Buromaschinen-Werke Aktiengesellschaft. (See Anschütz, R., and Schmidt, assignors.)
Mercer, Donald F., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Packing bench. 2,257,242; Sept. 30.
Metz, John H., Verona, N. J., assignor to J. K. Smit & Sons, Inc., New York, N. Y. Apparatus for the manufacture of diamond cutting tools. 2,257,475; Sept. 30.
Meyer, Raymond W., Champaign, Ill. Camera. 2,257,424; Sept. 30.

Meyer, Robert E., Basel, Switzerland, assignor to Hoffman-La Roche Inc., Nutley, N. J. Derivatives of cyclopentano-phenanthrene and manufacture of same. 2,257,701; Sept. 30.

Meyer-Jagenberg, Günther, Dusseldorf, Germany. Method and apparatus for closing paper containers. 2,257,243; Sept. 30.

Meszetti, Mario V., Quincy, Mass. Combination table and bed. 2,257,425; Sept. 30.

Michigan Tool Company. (See Rovick, John D., assignor.)

Midland Steel Products Company, The. (See Almdale, Einar, assignor.)

Milam, Joe. (See Scott, L. B., and Milam.)

Miles, John R. (See Flint, E. F., and Miles.)

Miller, John M., Philadelphia, Pa., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Radio receiving system. 2,257,272; Sept. 30.

Miller Printing Machinery Co. (See Huffman, Samuel A., assignor.)

Miller, Stuart P., Scarsdale, assignor to The Barrett Company, New York, N. Y. Cooling liquids. 2,257,616; Sept. 30.

Milner, Edwin E., Muncie, Ind. Regenerative furnace. 2,257,392; Sept. 30.

Miner, W. H., Inc. (See Olander, Roland J., assignor.)

Minneapolis-Honeywell Regulator Company. (See Gildersleeve, G. H., and Graber, assignors.)

Minneapolis-Honeywell Regulator Company. (See McGrath, William L., assignor.)

Minneapolis-Honeywell Regulator Company. (See Newton, Alwin B., assignor.)

Minneapolis-Honeywell Regulator Company. (See Wilson, John M., assignor.)

Minneapolis-Moline Power Implement Company. (See Anderson, G., Parks, and Keith, assignors.)

Mission Manufacturing Company. (See Wells, John W., assignor.)

Mix, Edwin S., and H. C. Vaisey, assignors to Hickok Manufacturing Company, Inc., Rochester, N. Y. Character bearing element for key chains and like devices. 2,257,304; Sept. 30.

Moe, Herman A. (See Reynolds, C. D., and Moe.)

Monarch Manufacturing Works, Inc. (See Murphy, Thomas W., assignor.)

Monsanto Chemical Company. (See Curtis, Francis J., assignor.)

Moore, Herbert E., Red Oak, Iowa. Machine for resurfacing oil-surfaced roads. 2,257,637; Sept. 30.

Moore, Meade F., assignor to Nash-Kelvinator Corporation, Kenosha, Wis. Heating. 2,257,638; Sept. 30.

Moore, Meade F., assignor to Nash-Kelvinator Corporation, Kenosha, Wis. Car cooling. 2,257,639; Sept. 30.

Moore, Meade F. (See Wahlberg, N. E., and Moore.)

Moore, Ralph O., Tulsa, Okla. Automatic diverting valve. 2,257,393; Sept. 30.

Morgan, Jasper, New oYrk, N. Y. Winch. 2,257,476; Sept. 30.

Morral, Samuel E., assignor of one-half to W. W. Morral, Morral, Ohio. Cornhusking machine. 2,257,508; Sept. 30.

Morral, William W. (See Morral, Samuel E., assignor.)

Morrow, Earle L., Johnston, R. I., assignor to Frank Morrow Co., Inc. Linking machine. 2,257,509; Sept. 30.

Morrow, Frank, Co. (See Morrow, Earle L., assignor.)

Mote, Charles L., Des Moines, Iowa. Device for observing the area in the rear of vehicles. 2,257,510; Sept. 30.

Motor Products Corporation. (See Kellogg, Homer G., assignor.)

Mudersbach, John L. (See Votaw, B., and Mudersbach.)

Muller, George W., Miami, Fla. Rail spike. 2,257,640; Sept. 30.

Muller, George W., Miami, Fla. Rail spike. 2,257,641; Sept. 30.

Münz, Ferdinand, Frankfort-on-the-Main, and O. Trösken, Frankfort-on-the-Main–Fechenheim, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Wetting agent useful for alkaline mercerizing solutions. 2,257,183; Sept. 30.

Murphy, Thomas W., Lower Merion Township, Montgomery County, assignor to Monarch Manufacturing Works, Inc., Philadelphia, Pa. Pressure regulating and unloading valve. 2,257,702; Sept. 30.

Myers, E. A., & Sons. (See Lybarger, Samuel F., assignor.)

Naamloose Vennootschap: Hulsemo. (See Hulsebos, Wichert, assignor.)

Nachman Springfilled Corporation. (See Gleason, William W., assignor.)

Na-Mac Products Corp. (See De Kay, Robert E., assignor.)

Nash-Kelvinator Corporation. (See Moore, Meade F., assignor.)

Nash-Kelvinator Corporation. (See Sladky, Joseph F., assignor.)

Nash-Kelvinator Corporation. (See Wahlberg, Nils E., assignor.)

Nash-Kelvinator Corporation. (See Wahlberg, N. E., and Moore, assignors.)

Nash-Kelvinator Corporation. (See Webb, Austin A., assignor.)

Nasmith, John I., Chislehurst, assignor to Vickers-Armstrongs Limited, London, England. Safety device or guard for machines. 2,257,273; Sept. 30.

Nassau Smelting & Refining Company. (See Weiser, Hanley H., assignor.)

National Can Corporation. (See Hopkins, Arthur G., assignor.)

National Cash Register Company, The. (See Bates, E. J., and Theiss, assignors.)

National Gypsum Company. (See Crandell, D. D., and Ryan, assignors.)

National Standard Company. (See Harrah, Clayton C., assignor.)

National Standard Company. (See Pierce, Robert C., assignor.)

National Vulcanized Fibre Company. (See Robinson, Jay, assignor.)

Neff, Paul W., New Kensington, Pa. Transmission. 2,257,511; Sept. 30.

Neiman, Isador, La Porte, Ind. Bifurcated garment. 2,257,426; Sept. 30.

Nell, Frederic, assignor to Landis Machine Company, Waynesboro, Pa. Thread cutting mechanism. 2,257,121; Sept. 30.

Nelson, Adolph L., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Piston. 2,257,184; Sept. 30.

Nelson, Carl R., Dysart, Iowa. Traction device for vehicle wheels. 2,257,185; Sept. 30.

New York Air Brake Company, The. (See Campbell, Charles A., assignor.)

Newton, Alwin B., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Combined pressure and safety switch. 2,257,477; Sept. 30.

Newton, Alwin B., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Air conditioning system. 2,257,478; Sept. 30.

Nickerson, William H., Jr., Newton, Mass. Abrading machine. 2,257,305; Sept. 30.

Niersbach, Milton, Petaluma, Calif. Film drying machine. 2,257,394; Sept. 30.

Nolan, Frank J. (See Worsham, Thomas A., assignor.)

Norton Company. (See McKeon, William D., assignor.)

Oakland Scavenger Co. (See Matanovich-Manov, M., and Holmes, assignors.)

Oberg, Elmer B. (See Scholz, H. A., and Oberg.)

O'Connor, Clarence P., assignor to Ames Supply Company, Chicago, Ill. Type soldering gauge. 2,257,122; Sept. 30.

Oehler, Carl C., Kilgore, Tex. Oil and water separator. 2,257,244; Sept. 30.

Ohio Brass Company, The. (See Rorden, Harold L., assignor.)

Oil Well Supply Company. (See Maier, August R., assignor.)

Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 2,257,306; Sept. 30.

Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Quick take-up mechanism. 2,257,307; Sept. 30.

Olin, John F., Grosse Ile, Mich., assignor to Sharples Chemicals Inc. Manufacture and purification of urea derivatives. 2,257,717; Sept. 30.

Olson, Carl G., assignor to Illinois Tool Works, Chicago, Ill. Assembling fastener units. 2,257,479; Sept. 30.

Olson, Samuel, and P. E. Lenfestey, assignors to Samuel Olson Mfg. Company, Inc., Chicago, Ill. Automatic loading and delivery mechanism for conveyers. 2,257,512; Sept. 30.

Olson, Samuel, Mfg. Company. (See Olson, S., and Lenfestey, assignors.)

Orschein, Albert, Moberly, Mo. Tail gate mounting means. 2,257,530; Sept. 30.

Orthner, Ludwig, Frankfort-on-the-Main, and W. Ender, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Process of removing metal oxides and preparations suitable in this process. 2,257,186; Sept. 30.

Orzehowsky, William G., Glen Cove, N. Y. Oil drain valve for internal combustion engines. 2,257,642; Sept. 30.

Owen, John E., Tulsa, Okla., assignor to Geophysical Research Corporation, New York, N. Y. Seismic surveying. 2,257,187; Sept. 30.

Owens-Corning Fiberglas Corporation. (See Forster, Alfred L., assignor.)

Owens-Illinois Can Company. (See Hermani, Louis, assignor.)

Owens-Illinois Glass Company. (See Eastus, Harold L., assignor.)

Pacific Electric Manufacturing Corporation. (See Thompson, Joseph S., assignor.)

Pacific Machinery Company. (See Jepson, Percy, assignor.)

Page, John H., assignor to The Shaw-Walker Company, Muskegon, Mich. Cabinet. 2,257,188; Sept. 30.

Pangborn Corporation. (See Huyett, Robert B., assignor.)

Paramount Textile Machinery Co. (See Grey, Erwin, assignor.)

Parker, Arthur L., Cleveland, Ohio. Angle fitting and making same. 2,257,427; Sept. 30.

Parker, Claude E., assignor to Gas Products Corporation, Chicago, Ill. Cooking top. 2,257,395; Sept. 30.

Parker, Claude E., assignor to Gas Products Corporation, Chicago, Ill. Top structure for cookstoves. 2,257,396; Sept. 30.

Parker, Claude E., assignor to Gas Products Corporation, Chicago, Ill. Top burner closure structure. 2,257,397; Sept. 30.

Parker, Claude E., assignor to Gas Products Corporation, Chicago, Ill. Cooking top support. 2,257,398; Sept. 30.

Parker, Claude E., assignor to Gas Products Corporation, Chicago, Ill. Gaseous fuel cookstove. 2,257,399; Sept. 30.

Parks, Orville J. (See Anderson, G., Parks, and Keith.)

Parks, Roscoe W., Hillside, assignor to Jacques Wolf & Co., Passaic, N. J. Discharge printing of fabrics, etc. 2,267,189; Sept. 30.

Paschke, Erich, and A. Schmidt, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Making rotary condensers. 2,257,643; Sept. 30.

Pass Book and Check Cover Company, The. (See Humphrey, F., and Krieger, assignors.)

Pässler, Walter. (See Riedmair, J., Pässler, and Torinus.)

Patton, Franklin S., assignor to Sterling Seal Company, Erie, Pa. Container closure and coaster. 2,257,312; Sept. 30.

Paulus, William, assignor to Trico Products Corporation, Buffalo, N. Y. Power transmitting unit. 2,257,346; Sept. 30.

Pavlecka, Vladimir H. (See Lundgren, A. T., Rogers, and Pavlecka.)

Pearlman, Julius. (See Griffin, H., and Pearlman.)

Peebles, David D., Berkeley, Calif. Evaporating apparatus and method. 2,257,531; Sept. 30.

People in the territory of the United States. (See (Scott, L. B., and Milam, assignors.)

Perazzoli, Henry J., Philadelphia, Pa. Cutter mechanism. 2,257,480; Sept. 30.

Peremi, Edmund, Manhasset, and L. Toth, Flushing, N. Y. Window construction. 2,257,123; Sept. 30.

Peremi, Edmund, Manhasset, and L. Toth, Flushing, N. Y. Window construction. 2,257,703; Sept. 30.

Perocco, Angelo M., Santa Barbara, Calif. Opening device. 2,257,532; Sept. 30.

Pervells, Gregory, New York, N. Y. Heat control. 2,257,617; Sept. 30.

Petersen, Maurice G., Centralia, Wash. Brake means for baggage trucks. 2,257,618; Sept. 30.

Pfeifer, Jakob, Forgan, and W. G. Huebner, Turpin, Okla. Agricultural machine. 2,257,650; Sept. 30.

Philco Radio and Television Corporation. (See Travis, Charles, assignor.)

Phillips Petroleum Company. (See Thomas, Rosswell W., assignor.)

Pichler, Helmut. (See Fischer, F., and Pichler.)

Pierce Governor Company, The. (See McCullough, Neel M., assignor.)

Pierce, Robert C., assignor to National Standard Company, Niles, Mich. Wire drawing mechanism. 2,257,644; Sept. 30.

Pierce, Robert C., assignor to National Standard Company, Niles, Mich. Wire holding apparatus. 2,257,645; Sept. 30.

Pierce, Robert C., assignor to National Standard Company, Niles, Mich. Tire casing. 2,257,646; Sept. 30.

Pierce, Robert C., assignor to National Standard Company, Niles, Mich. Tire casing. 2,257,647; Sept. 30.

Pierce, Robert C., assignor to National Standard Company, Niles, Mich. Reinforcing element and manufacture. 2,257,648; Sept. 30.

Pierce, Robert C., assignor to National Standard Company, Niles, Mich. Reinforcing element. 2,257,649; Sept. 30.

Pilcher, Edward K., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Rolling door. 2,257,513; Sept. 30.

Pirkey, Frank Z., U. S. Army, Los Angeles, Calif. Photograph corrector scale. 2,257,124; Sept. 30.

Pittsburgh Plate Glass Company. (See Haux, Elmer H., assignor.)

Place, Charles E. S. (See Brackett, C. L., and Place.)

Plagemann, Werner. (See Wemhöner, W., and Plagemann.)

Plourde, Jean C., Rochelle, Ill. Slub catcher. 2,257,125; Sept. 30.

Plummer, William B., assignor to Standard Oil Company, Chicago, Ill. Alloy bearing. 2,257,313; Sept. 30.

Pollak, Fredric, Yonkers, N. Y. Preparing wetting and frothing agents and product thereof. 2,257,481; Sept. 30.

Porsche, F., Dr. ing. h. c. K.-G. (See Rabe, Karl, assignor.)

Posthumus, Klaas, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., Neutralized system. 2,257,570; Sept. 30.

Posture Research Corporation. (See Wood, Glenn D., assignor.)

Prebilt Housing Corporation. (See Hasenburger, H., and Corbett, assignors.)

Prill, George F., Jamestown, N. Dak., assignor to Goetz-Voss Corporation, Wauwatosa, Wis. Crank pin grinder. 2,257,619; Sept. 30.

Process Management Company. (See Atwell, Harold V., assignor.)

Pure Oil Company, The. (See Maschwitz, Percy A., assignor.)

Pure Oil Company, The. (See Schutt, Hermann C., assignor.)

Pure Oil Company, The. (See Throckmorton, J. W., and Drummond, assignors.)

Quarnstrom, Bert L. (See Lewis, George E., assignor.)

Quilter, William M. (See Marsh, H. C., and Quilter.)

Rabe, Karl, Stuttgart, assignor to Dr. ing. h. c. F. Porsche, K.-G., Stuttgart-Zuffenhausen, Germany. Spring suspension means for vehicles. 2,257,571; Sept. 30.

Radio Corporation of America. (See Batsel, Cecil N., assignor.)

Radio Corporation of America. (See Black, William A., assignor.)

Radio Corporation of America. (See Branson, Harry, assignor.)

Radio Corporation of America. (See Goldstine, Hallan E., assignor.)

Radio Corporation of America. (See Miller, John M., assignor.)

Radio Corporation of America. (See Posthumus, Klaas, assignor.)

Radio Corporation of America. (See Smith, J. E., Whitaker, and Clark, assignors.)

Radioplane Company. (See Righter, W. H., and Case, assignors.)

Radue, Louis, Casco, Wis. Ensilage spreader. 2,257,572; Sept. 30.

Raffles, Frank. (See Howell, Hugh A., assignor.)

Rahn, Ernst, Berlin-Spandau, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Amplifier circuit arrangement for ultra-short waves. 2,257,274; Sept. 30.

Ramsey Manufacturing Company. (See Brouwer, George, assignor.)

Ranby, Peter W. (See McKeag, A. H., and Ranby.)

Randall, Walter H., Waterville, assignor, by mesne assignments, to The Canal National Bank of Portland, Portland, Maine. Machine for manufacturing molded pulp articles. 2,257,573; Sept. 30.

Raney, Robert M., Euclid, assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage battery. 2,257,514; Sept. 30.

Ray, James L., Elm Grove, Wis. Vacuum cleaner. 2,257,574; Sept. 30.

Ray, William A., Glendale, Calif. Lever mechanism. 2,257,400; Sept. 30.

Raymer, Morris M., Augusta, assignor to Kellogg Company, Battle Creek, Mich. Machine for filling forms with biscuit material. 2,257,347; Sept. 30.

Reach, William F., Springfield, Mass., assignor to A. G. Spalding & Bros. Inc., New York, N. Y. Golf club. 2,257,575; Sept. 30.

Reconstruction Finance Corporation. (See Sutton, H. M., and Wood, assignors.)

Redlich, Solomon, assignor to Consolidated Sewing Machine & Supply Co. Inc., New York, N. Y. Sewing machine motor and lamp bracket. 2,257,704; Sept. 30.

Reich, Gustave T., Philadelphia, Pa. Apparatus for the treatment of gases. 2,257,533; Sept. 30.

Renwick, Douglas S., Utica, Mich. Windshield wiper motor. 2,257,534; Sept. 30.

Republic Flow Meters Company. (See Rosenberger, Albert J., assignor.)

Resko, Steve, Woodbridge, N. J. Shoe construction. 2,257,482; Sept. 30.

Reynolds, Charles D., and H. A. Moe, assignors to Universal Winding Company, Cranston, R. I. Winding machine. 2,257,651; Sept. 30.

Reynolds, Victor S., Detroit, Mich., assignor to Victor Closure Corporation. Bottle and closure therefor. 2,257,515; Sept. 30.

Reynolds, Waldo S., assignor to I. J. McCullough, Los Angeles, Calif. Perforating gun and projectile therefor. 2,257,276; Sept. 30.

Rickmeyer, Ernst W., Elmhurst, assignor to Jefferson Electric Company, Bellwood, N. J. Switch. 2,257,348; Sept. 30.

Ricks, Fred, and W. N. Bray, Leicester, England, assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J. Apparatus for use in shoemaking. 2,257,275; Sept. 30.

Riedmair, Josef, and W. Pässler, Frankfort-on-the-Main-Fechenheim, and G. Torinus, Bad Soden, Germany, assignors to General Aniline & Film Corporation, New York, N. Y. Azo dye compositions. 2,257,190; Sept. 30.

Righter, Walter H., and K. W. Case, Glendale, assignors to Radioplane Company, Los Angeles, Calif. Radio controlled recovery means for aircraft. 2,257,277; Sept. 30.

Rindfleisch, Arthur G., Cincinnati, Ohio, assignor to Bocji Corporation, trustee, Pittsburgh, Pa. Propeller. 2,257,126; Sept. 30.

Ritter, Julius, Jr., assignor to Hartmann Trunk Company, Racine, Wis. Wardrobe case section closure flap. 2,257,620; Sept. 30.

Roberts, George I., New York, and R. F. Dirkes, Jamaica, assignors to The Western Union Telegraph Company, New York, N. Y. Tape pulier for projectors. 2,257,191; Sept. 30.

Robinson, Jay, Newark, assignor to National Vulcanized Fibre Company, Wilmington, Del. Making vulcanized fiber. 2,257,576; Sept. 30.

Roché, Jean A., Dayton, Ohio. Tension gauge. 2,257,483; Sept. 30.

Roche, John F., Jr., Oak Park, and M. Darbyshire, assignors to Binks Manufacturing Company, Chicago, Ill. Operator-protecting spray booth. 2,257,516; Sept. 30.

Rogers, Allan B. (See Lundgren, A. T., Rogers, and Pavlecka.)

Röhm & Haas Company. (See Bruson, H. A., and Bock, assignors.)

Rohn, Wilhelm, W. Hessenbruch, and W. Hellwig, Hanau, assignors to Heraeus-Vacuumschmelze A. G., Hanau-on-the-Main, Germany. Working thermally hardenable beryllium-containing alloys. 2,257,535; Sept. 30.

Roko Corporation. (See Coberly, Clarence J., assignor.)

Romney, Estelle F., San Diego, Calif. Combination dishwasher and drainer. 2,257,192; Sept. 30.

Roper, John M., Washington, D. C., and A. D. Dircksen, Dayton, Ohio. Airplane flush type formation light. 2,257,127; Sept. 30.

Rorden, Harold L., Barberton, assignor to The Ohio Brass Company, Mansfield, Ohio. Bushing insulator. 2,257,652; Sept. 30.

Rosen, Raphael, Elizabeth, N. J., assignor to Standard Oil Development Company. Alkylation process using tetraphosphoric acid. 2,257,193; Sept. 30.

Rosen, Raphael, Elizabeth, N. J., assignor to Standard Oil Development Company. Motor fuel. 2,257,194; Sept. 30.

Rosenberger, Albert J., assignor to Republic Flow Meters Company, Chicago, Ill. Pressure sensitive instrument. 2,257,577; Sept. 30.

Rough, Jacob C., South Bend, Ind. Automatic shoe polishing machine. 2,257,128; Sept. 30.

Rovick, John D., Muncie, Ind., assignor to Michigan Tool Company, Detroit, Mich. Internal gear finishing machine. 2,257,195; Sept. 30.

Rowe, Alvin V., assignor to Rowe Manufacturing Company, Galesburg, Ill. Overhead door construction. 2,257,484; Sept. 30.

Rowe Manufacturing Company. (See Rowe, Alvin V., assignor.)

Roy, Vernon R. (See Blazek, J. Y., and Roy.)

Roycroft, Walter R., Ozone Park, assignor to Western Electric Company, Incorporated, New York, N. Y. Tray. 2,257,536; Sept. 30.

Ruben, Samuel, New Rochelle, N. Y. Magnesium primary cell. 2,257,129; Sept. 30.

Ruben, Samuel, New Rochelle, N. Y. Magnesium primary cell. 2,257,130; Sept. 30.

Rudolph, Faucette S., Yuma, Ariz. Dehorning device. 2,257,245; Sept. 30.

Rudolph, Faucette S., Yuma, Ariz. Animal trap. 2,257,246; Sept. 30.

Ruegenberg, Gottfried, Dusseldorf-Oberkassel, Germany. All-around extensible paper. 2,257,428; Sept. 30.

Ruegenberg, Gottfried, Dusseldorf-Oberkassel, Germany. Producing all-around extensible paper. 2,257,429; Sept. 30.

Russell, Oren F., Palmer, Wash. Motor synchronizer for motor driven skates. 2,257,653; Sept. 30.

Ryan, James J. (See Crandell, D. D., and Ryan.)

Sahli, Robert, Basel, Switzerland. Temperature-controlling flattiron stand. 2,257,131; Sept. 30.

Samburg, Maurice, New York, N. Y. Automatic tuning mechanism for radio receivers. 2,257,537; Sept. 30.

Savitz, Samuel J. and S. W., Philadelphia, Pa. Fruit juice extractor. 2,257,430; Sept. 30.

Savitz, Sarah W. (See Savitz, Samuel J. and S. W.)

Scarborough Guild, Limited. (See Clark, Herbert S., assignor.)

Schaum, Otto W., assignor to Fletcher Works, Incorporated, Philadelphia, Pa. Stop motion. 2,257,654; Sept. 30.

Schaumann, Holger H., Roselle, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Colored titanium pigments. 2,257,278; Sept. 30.

Schellenger, Newton C., El Paso, Tex., assignor to Chicago Telephone Supply Company, Elkhart, Ind. Terminal construction. 2,257,621; Sept. 30.

Schering Corporation. (See Strassberger, L., and Kraft, assignors.)

Schlueter, Ernest, Jamaica, N. Y. Expanded fastening device. 2,257,538; Sept. 30.

Schmid, Walter, Philadelphia, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Dual protection turbine governor mechanism. 2,257,279; Sept. 30.

Schmidt, Arthur. (See Paschke, E., and Schmidt.)

Schmidt, Fritz. (See Anschütz, R., and Schmidt.)

Schneider, Ray A., Oak Park, Ill. T-head shore hanger. 2,257,196; Sept. 30.

Schniepp, Lester E. (See Friedrich, M. E., and Schniepp.)

Schoedinger, F. O. (See Armstrong, Edward R., assignor.)

Schoenky, August R., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Machine for operating upon work. 2,257,132; Sept. 30.

Scholz, Herman A., Evanston, assignor to United States Gypsum Company, Chicago, Ill. Coating composition. 2,257,281; Sept. 30.

Scholz, Herman A., and E. B. Oberg, Evanston, assignors to United States Gypsum Company, Chicago, Ill. Coating composition. 2,257,280; Sept. 30.

Schulz, Christopher A., Guttenberg, N. J., assignor to The B. G. Corporation, New York, N. Y. Spark plug tester. 2,257,622; Sept. 30.

Schutt, Hermann C., North Tarrytown, N. Y., assignor to The Pure Oil Company, Chicago, Ill. Method and apparatus for conversion of hydrocarbon gases. 2,257,198; Sept. 30.

Schwimmer, Sigmund. (See Balls, A. K., Lineweaver, and Schwimmer.)

Schwinn, Frank W., Chicago, Ill. Crank bearing for bicycles. 2,257,401; Sept. 30.

Scobey Fireproof Storage Company. (See Haben, Acea B., assignor.)

Scott, Gherald D., G. A. Whittemore, and F. A. Glendon, assignors to The Heald Machine Company, Worcester, Mass. Retracting mechanism for boring tools. 2,257,402; Sept. 30.

Scott, Lincoln B., and J. Milam, Clarksville, Tenn., dedicated to the free use of the People in the territory of the United States. Insect trap. 2,257,655; Sept. 30.

Scovill Manufacturing Company. (See Seyfried, Arthur W., assignor.)

Scully, Frank P., Cambridge, and A. E. Mathey, Auburndale, assignors to Scully Signal Co., East Cambridge, Mass. Audible signaling device for use with tanks. 2,257,656; Sept. 30.

Scully Signal Co. (See Scully, F. P., and Mathey, assignors.)

Secretary of Agriculture of the United States of America and his successors in office. (See Balls, A. K., Lineweaver, and Schwimmer, assignors.)

Segal, Morris. (See Herskovits, Benjamin, assignor.)

Serrurier, Iwan, Los Angeles, Calif. Motion picture apparatus. 2,257,197; Sept. 30.

Seversky Aircraft Corporation. (See Kartveltchvili, Alexander, assignor.)

Sewell, Henry R., Norwell, assignor to B. F. Sturtevant Company, Hyde Park, Boston, Mass. Air conditioning system. 2,257,485; Sept. 30.

Sewell, Henry R., Norwell, assignor to B. F. Sturtevant Company, Boston, Mass. Air conditioning system. 2,257,486; Sept. 30.

Seyfried, Arthur W., Racine, Wis., assignor to Scovill Manufacturing Company, Waterbury, Conn. Suction cleaner hose and coupling. 2,257,705; Sept. 30.

Sharp, John H., Chicago, Ill. Pump. 2,257,539; Sept. 30.

Sharples Chemicals Inc. (See Olin, John F., assignor.)

Shaw-Walker Company, The. (See Page, John H., assignor.)

Sherrod, B. L. (See Combs, Chester A., assignor.)

Sherwood Brass Works. (See Sherwood, David, assignor.)

Sherwood, David, Grosse Pointe Park, assignor to Sherwood Brass Works, Detroit, Mich. Pump. 2,257,349; Sept. 30.

Shinn, Charles P., Jr., Brooklyn, N. Y. Scraper. 2,257,314; Sept. 30.

Shoemaker, Robert W., Anderson, Ind., assignor to A. J. R. Greer, Morgantown, W. Va. Treatment of metals. 2,257,133; Sept. 30.

Shortt, Earl J., West Brighton, assignor to International Projector Corporation, New York, N. Y. Monitoring facility. 2,257,578; Sept. 30.

Siebert, Werner E., and D. Ike, assignors to Bissell Carpet Sweeper Company, Grand Rapids, Mich. Carpet sweeper. 2,257,350; Sept. 30.

Silesia Verein Chemischer Fabriken. (See Jage, Fritz, assignor.)

Silva, Francisco H. R., Fall River, Mass. Liquid fuel burner base. 2,257,431; Sept. 30.

Silver, Harold F., Denver, Colo. Handling beets. 2,257,351; Sept. 30.

Silver, Harold F., Denver, Colo. Beet handling apparatus. 2,257,352; Sept. 30.

Simpson, Herbert S. (See Christensen, Alfred C., assignor.)

Sinclair Refining Company. (See Teter, John W., assignor.)

Skoglund, Ragnar E., Chicago, Ill. Portable hammer. 2,257,623; Sept. 30.

Sladky, Joseph F., Racine, assignor to Nash-Kelvinator Corporation, Kenosha, Wis. Horn switch. 2,257,706; Sept. 30.

Sladky, Joseph F., Racine, assignor to Nash-Kelvinator Corporation, Kenosha, Wis. Oil pump. 2,257,707; Sept. 30.

Sloan, William E., River Forest, Ill. Water closet construction. 2,257,134; Sept. 30.

Sloan, William E., River Forest, Ill. Water closet construction. 2,257,135; Sept. 30.

Sloan, William E., River Forest, Ill. Vacuum breaker. 2,257,199; Sept. 30.

Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Air conditioning system. 2,257,540; Sept. 30.

Smit J. K., & Sons, Inc. (See Metz, John H., assignor.)

Smith, Alfred W., San Francisco, Calif., assignor to Dennison Manufacturing Company, Framingham, Mass. Blank for making letters and numbers. 2,257,200; Sept. 30.

Smith, Arthur B. (See Lomax, C. E., and Smith.)

Smith, Claude F., Marston, N. C. Ornamenting elongated objects. 2,257,432; Sept. 30.

Smith, Franklin S., New Haven, Conn. Apparatus and method of treating bulk material. 2,257,541; Sept. 30.

Smith, Franklin S., New Haven, Conn. Apparatus for treating materials. 2,257,542; Sept. 30.

Smith, James E., Brooklyn, N. Y., J. N. Whitaker, Weehawken, N. J., and G. R. Clark, Brooklyn, N. Y., assignors to Radio Corporation of America. Frequency modulation of signals. 2,257,282; Sept. 30.

Smith, T. L., Company, The. (See Draeger, Lloyd H., assignor.)

Smith, Warren M., Elizabeth, and W. J. Sparks, Cranford, N. J., assignors to Standard Oil Development Company. Resins and making the same. 2,257,201; Sept. 30.

Smith, William L. Jr., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Knitted fabric and method. 2,257,718; Sept. 30.

Smith, William L. Jr, Pawtucket, assignor to Hemphill Company, Central Falls, R I Knitted fabric and method. 2,257,719; Sept. 30.

Smyth, Harold T., assignor to Corhart Refractories Company, Louisville, Ky. Production of cast refractories. 2,257,136; Sept. 30.

Snow, Alvah L., assignor to Standard Oil Company of California, San Francisco, Calif. Solvent refining process. 2,257,283; Sept. 30.

Solvay & Cie. (See Brouhon, Georges, assignor.)

Sommer, Julius V. (See Gerhardt, P. B., and Sommer.)

Sonotone Corporation. (See Koren, Heiman W., assignor.)

Sorensen, Andrew J., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake control means. 2,257,309; Sept. 30.

Sorensen, Andrew J., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake and sanding control means. 2,257,310; Sept. 30.

Sorensen, Andrew J., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake control means. 2,257,311; Sept. 30.

Sorensen, Andrew J., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Inertia device. 2,257,315; Sept. 30.

Spahr, Irwin R., St. Louis, Mo. Tire chain tool. 2,257,657; Sept. 30.

Spalding, A. G., & Bros. Inc. (See Reach, William F., assignor.)

Sparks, William J. (See Smith, W. M., and Sparks.)

Spotts, Caroline A., Muncy, Pa. Filing envelope. 2,257,517; Sept. 30.

Squibb, E. R., & Sons. (See Christiansen, Walter G., assignor.)

Standard Brands Incorporated. (See Stokes, W. E., and Barch, assignors.)

Standard Catalytic Company. (See Koehler, F., and Josenhans, assignors.)

Standard Catalytic Company. (See Wolfrom, Ulrich, assignor.)

Standard Oil Company. (See Plummer, William B., assignor.)

Standard Oil Company. (See Voorhees, Vanderveer, assignor.)

Standard Oil Company of California. (See Snow, Alvah L., assignor.)

Standard Oil Development Company. (See Connolly, Gerald C., assignor.)

Standard Oil Development Company. (See Duncan, Gordon W., assignor.)

Standard Oil Development Company. (See Gerhardt, P. B., and Sommer, assignors.)

Standard Oil Development Company. (See Howell, Lynn G., assignor.)

Standard Oil Development Company. (See Luster, Eric W., assignor.)

Standard Oil Development Company. (See Martin, H. Z., and Campbell, assignors.)

Standard Oil Development Company. (See Rosen, Raphael, assignor.)

Standard Oil Development Company. (See Smith, W. M., and Sparks, assignors.)

Standard Oil Development Company. (See Vesterdal, Hans G., assignor.)

Standard Railway Devices Company. (See West, Victor E., assignor.)

Standard Stoker Company, The. (See Surdy, Charles J., assignor.)

Standard Stoker Company, The. (See Turner, E. A., and Davison, assignors.)

Starr, Everett L., Providence, R. I., assignor to Fulford Mfg. Co. Chain. 2,257,579; Sept. 30.

Starr, Raymond H., C. Masters, and J. D. Hall, Kansas City, assignors to Koch Butchers' Supply Company, North Kansas City, Mo. Vegetable display case. 2,257,247; Sept. 30.

Steinberg, Fritz. (See Becker, G., and Steinberg.)

Sterling Seal Company. (See Patton, Franklin S., assignor.)

Stokes and Smith Company. (See Stokes, John S., assignor.)

Stokes, John S., Huntingdon Valley, assignor to Stokes and Smith Company, Philadelphia, Pa. Method of and apparatus for manufacture of sealed packages. 2,257,433; Sept. 30.

Stokes, William E., Brooklyn, and W. E. Barch, Farmingdale, assignors to Standard Brands Incorporated, New York, N. Y. Preparation of tartaric acids. 2,257,284; Sept. 30.

Stott, Louis L., Reading, Pa., assignor to Beryllium Corporation. Working and heat treating Cu-Be alloys. 2,257,708; Sept. 30.

Strap-A-Liner Corp. (See Brown, Morton, assignor.)

Strassberger, Lothar, Berlin-Wilmersdorf, and L. Kraft, Berlin-Charlottenburg, Germany, assignors to Schering Corporation, Bloomfield, N. J. Producing hydrogenation products of compounds of the cyclopentano-10,13-dimethyl polyhydrophenanthrene series. 2,257,137; Sept. 30.

Strezoff, Bogola, Minneapolis, Minn. Shear grinding mechanism. 2,257,353; Sept. 30.

Strezoff, Bogola, Minneapolis, Minn. Clamp and bracket structure. 2,257,354; Sept. 30.

Sturtevant, B. F., Company. (See Keep, Charles R., assignor.)

Sturtevant, B. F., Company. (See Sewell, Henry R., assignor.)

Sumitomo Denki Kogyo Kabusiki Kaisya. (See Inoue, Bunzaemon, assignor.)

Sundt, Edward V., Chicago, Ill. Apparatus and method for tuning. 2,257,285; Sept. 30.

Surdy, Charles J., Tuckahoe, N. Y., assignor to The Standard Stoker Company, Incorporated. Locomotive stoker. 2,257,286; Sept. 30.

Sutton, Henry M., and F. E. Wood, assignors, by mesne assignments, to Reconstruction Finance Corporation, Dallas, Tex. Process and apparatus for pneumatic separation of masses composed of particles having varied characteristics. 2,257,824; Sept. 30.

Taylor, Chester A., Los Angeles, Calif. Combination fruit corer and gouge. 2,257,202; Sept. 30.

Taylor, Louis T., Maumee, Ohio. Tool head. 2,257,248; Sept. 30.

Teahen, James M., Detroit, Mich. Flushing apparatus. 2,257,138; Sept. 30.

Technicolor Motion Picture Corporation. (See Klemola, Harold H., assignor.)

Technicolor Motion Picture Corporation. (See Whittaker, Lloyed E., assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Paschke, E., and Schmidt, assignors.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Rahn, Ernst, assignor.)

Temple, Paul C., assignor to A. W. Cash Company, Decatur, Ill. Pressure reducing and regulating valve. 2,257,204; Sept. 30.

Tenney, Dwight, Verona, N. J. Bread cooler. 2,257,487; Sept. 30.

Ternstedt Manufacturing Company. (See Wise, Ralph H., assignor.)

Terry, Hazel, Valparaiso, Ind. Kitchen utility. 2,257,658; Sept. 30.

Teter, John W., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Motor fuel. 2,257,434; Sept. 30.

Texas Company, The. (See Hall, F. W., and Towne, assignors.)

Thacker, Ralph S., West Los Angeles, assignor to L. M. Harvey, La Canada, Calif. Proportional control system. 2,257,203; Sept. 30.

Theiss, John S. (See Bates, E. J., and Theiss.)

Thomas, Edward K., Miami, Fla. Cabinet construction. 2,257,625; Sept. 30.

Thomas, Rosswell W., Birmingham, Mich., assignor to Phillips Petroleum Company. Automatic change-over device. 2,257,249; Sept. 30.

Thompson, Glenn S., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Automobile direction signal. 2,257,659; Sept. 30.

Thompson, Joseph S., assignor to Pacific Electric Manufacturing Corporation, San Francisco, Calif. Carpet washing machine. 2,257,205; Sept. 30.

Thomson, John S., assignor to Valley Concrete Pipe & Products Company, Yuba City, Calif. Irrigation control gate. 2,257 626; Sept. 30.

Thomson, Judson L., Manufacturing Company. (See Havener, Arthur R., assignor.)

Thorsell, Carl V., West Hempstead, assignor to Combustion Engineering Company, Inc., New York, N. Y. Grate bar. 2,257,287; Sept. 30.

Throckmorton, John W., New York, N. Y., and V. D. Drummond, Westfield, N. J., assignors to The Pure Oil Company, Chicago, Ill. Method and apparatus for converting hydrocarbon gases to liquid. 2,257,206; Sept. 30.

Thumim, Carl, Yeadon, Pa., assignor to General Electric Company. Motor-operated valve. 2,257,435; Sept. 30.
Thurnauer, Max H. (See Jacobson, Samuel, assignor.)
Tice, James O., Columbia, S. C. Scoreboard. 2,257,518; Sept. 30.
Tilsy, Ralph W., Orland Park, Ill. Pumping system. 2,257,660; Sept. 30.
Times Telephoto Equipment Inc. (See Cooley, Austin G., assignor.)
Toby, Simeon T., Elizabeth, N. J. Vehicle wheel attachment. 2,257,543; Sept. 30.
Tone, Frank J., Niagara Falls, O. L. Mahlman, Kenmore, N. Y., and F. Brown, Niagara Falls, Ontario, Canada, assignors to The Carborundum Company, Niagara Falls, N. Y. Making adhesive tapes. 2,257,139; Sept. 30.
Torinus, Gustav. (See Riedmair, J., Plassler, and Torinus.)
Toth, Louis. (See Peremi, E., and Toth.)
Towne, Charles C. (See Hall, F. W., and Towne.)
Travis, Charles, Wyndmoor, assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Loop equipped radio receiver. 2,257,250; Sept. 30.
Trico Products Corporation. (See Paulus, William, assignor.)
Trier Bros. Limited. (See Trier, F. N., and Crothers, assignors.)
Trier, Frank N., and P. F. Crothers, assignors to Trier Bros. Limited, London, England. Distributing apparatus of the piston and cylinder type. 2,257,251; Sept. 30.
Trojan Powder Company. (See Wyler, Joseph A., assignor.)
Trompeter, David, Darien, Conn. Electric cooking device. 2,257,580; Sept. 30.
Trösken, Otto. (See Münz, F., and Trösken.)
Trottier, Victor, Windsor, Ontario, Canada. Hemostat tonsillotome. 2,257,288; Sept. 30.
Troxler, Charles G., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,257,555; Sept. 30.
Turner, Edwin A., and C. R. Davison, Erie, Pa., assignors to The Standard Stoker Company, Incorporated. Control valve. 2,257,289; Sept. 30.
Turner & Seymour Manufacturing Company, The. (See Froelich, Gustave H., assignor.)
Ulsheimer, Henry A., Scarsdale, N. Y. Printing frame. 2,257,581; Sept. 30.
Union Oil Company of California. (See Bray, Ulric B., assignor.)
United Shoe Machinery Corporation. (See Boothroyd, Hubert, assignor.)
United Shoe Machinery Corporation. (See Kilburn, Karl, assignor.)
United Shoe Machinery Corporation. (See Ricks, F., and Bray, assignors.)
United Shoe Machinery Corporation. (See Schoenky, August R., assignor.)
United States Gasket Company. (See Davis, Arthur G., assignor.)
United States Gypsum Company. (See Scholz, Herman A., assignor.)
United States Gypsum Company. (See Scholz, H. A., and Oberg, assignors.)
Universal Winding Company. (See Reynolds, C. D., and Moe, assignors.)
University of Minnesota, Regents of The. (See Davis, Edward W., assignor.)
Urbanski, Kamil, Wilkes-Barre, Pa. Clock rewinding means. 2,257,404; Sept. 30.
Vaisey, Harold C. (See Mix, E. S., and Vaisey.)
Valley Concrete Pipe & Products Company. (See Thomson, John S., assignor.)
Van Winter, Carl B. (See Burrows, L. A., Lawson, and Van Winter.)
Vandine, Oliver W., Lead, S. Dak. Live bait holder. 2,257,403; Sept. 30.
Vesterdal, Hans G., Elizabeth, N. J., assignor to Standard Oil Development Company. Lubricating oil. 2,257,627; Sept. 30.
Vickers-Armstrongs Limited. (See Nasmith, John I., assignor.)
Victor Closure Corporation. (See Reynolds, Victor S., assignor.)
Vohrer, Herbert, Berlin, Germany, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Attaching couplings to hose. 2,257,355; Sept. 30.
Von Burtenbach, Hanns F. S., Wiesbaden, Germany. Hydroplane. 2,257,405; Sept. 30.
Von Burtenbach, Hanns F. S., Wiesbaden, Germany. Supporting plane for hydroplanes. 2,257,406; Sept. 30.
Von Haase, George, Lakewood, assignor to The American Ship Building Company, Cleveland, Ohio. Grate actuating mechanism. 2,257,488; Sept. 30.
Von Meister, Frederick W., New York, and F. W. Andrew, Glen Head, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Apparatus for the dry development of light sensitive material. 2,257,207; Sept. 30.
Voorhees, Vanderveer, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Organic sulphur compound and composition thereof. 2,257,290; Sept. 30.
Vorbusch, Benjamin R., New Orleans, La. Ball. 2,257,252; Sept. 30.
Votaw, Blair, Maricopa County, and J. L. Mudersbach, Phoenix, Ariz. Door bottom painter. 2,257,316; Sept. 30.
Vulcan Stamping & Mfg. Co. (See McCarthy, Vern I., assignor.)
Wacker, Karl, Pforzheim, Germany, assignor to Armbrust Chain Company. Making ornamental chains. 2,257,356; Sept. 30.
Wade, Charles E., Sturgis, Mich. Line connector. 2,257,317; Sept. 30.
Wagner, George, Haledon, assignor to R. G. Buser Silk Corp., Paterson, N. J. Ribbon package. 2,257,208; Sept. 30.
Wahlberg, Nils E., assignor to Nash-Kelvinator Corporation, Kenosha, Wis. Brake. 2,257,628; Sept. 30.
Wahlberg, Nils E., assignor to Nash-Kelvinator Corporation, Kenosha, Wis. Manifold. 2,257,629; Sept. 30.
Wahlberg, Nils E., and M. F. Moore, assignors to Nash-Kelvinator Corporation, Kenosha, Wis. Motor mounting. 2,257,630; Sept. 30.
Wahlberg, Nils E., assignor to Nash-Kelvinator Corporation, Kenosha, Wis. Internal combustion engine. 2,257,631; Sept. 30.
Wahlberg, Nils E., assignor to Nash-Kelvinator Corporation, Kenosha, Wis. Gear shifting mechanism. 2,257,632; Sept. 30.
Wahlmark, Gunnar A., Rockford, Ill. Hydraulic circuit. 2,257,140; Sept. 30.
Walker, Forrest A., Oak Park, assignor to Edison General Electric Appliance Company, Inc., Chicago, Ill. Washing apparatus. 2,257,436; Sept. 30.
Warner Bros. Pictures, Inc. (See McClay, Roy C., assignor.)
Warner & Swasey Company, The. (See Lange, M. E., and De Graff, assignors.)
Warp Compressing Machine Company. (See Javery, F. B., and Longvall, assignors.)
Watson, Oliver, Dayton, assignor of one-half to B. F. Downey, Springfield, Ohio. Ullage rod. 2,257,357; Sept. 30.
Waugh, Arthur L., Chicago, Ill. Surgical knife. 2,257,141; Sept. 30.
Webb, Austin A., assignor to Nash-Kelvinator Corporation, Kenosha, Wis. Fender. 2,257,556; Sept. 30.
Webb, Austin A., assignor to Nash-Kelvinator Corporation, Kenosha, Wis. Steering knuckle support arm. 2,257,557; Sept. 30.
Webb, De Witt C., Washington, D. C. Racing game. 2,257,661; Sept. 30.
Weiner, Harold, Providence, R. I. Container. 2,257,142; Sept. 30.
Weiser, Hanley H., Prince Bay, Staten Island, assignor to Nassau Smelting & Refining Company, Incorporated, New York, N. Y. Cast metal articles. 2,257,437; Sept. 30.
Weiswasser, Abby H. and F., Philadelphia, Pa. Method of treating "Vinyon" and "Vinyon" combined with other fibers. 2,257,519; Sept. 30.
Weiswasser, Frederick. (See Weiswasser, Abby H. and F.)
Wells, John W., assignor to Mission Manufacturing Company, Houston, Tex. Slush pump valve. 2,257,209; Sept. 30.
Wells, Leland E., Cleveland Heights, assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage battery. 2,257,489; Sept. 30.
Wemböner, Wilhelm, and W. Plagemann, Berlin, Germany. Screw threading machine. 2,257,253; Sept. 30.
Werther, Odin, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Unitary solenoid and valve assembly. 2,257,682; Sept. 30.
West, Victor E., New Kensington, Pa., assignor to Standard Railway Devices Company. Regrigerator car construction. 2,257,662; Sept. 30.
Western Electric Company. (See Amidon, Merle, assignor.)
Western Electric Company. (See Ford, Ben K., assignor.)
Western Electric Company. (See Roycroft, Walter R., assignor.)
Western Union Telegraph Company, The. (See Roberts, G. I., and Dirkes, assignors.)
Westinghouse Air Brake Company, The. (See Hines, Claude M., assignor.)
Westinghouse Air Brake Company, The. (See Larson, Arthur G., assignor.)
Westinghouse Air Brake Company, The. (See McNeal, D. L., and Canetta, assignors.)
Westinghouse Air Brake Company, The. (See Sorensen, Andrew J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Gottlieb, Manious, assignor.)
Westinghouse Electric & Manufacturing Company. (See Schmid, Walter, assignor.)
Wheadon, George H., Johnstown, N. Y. Glove. 2,257,210; Sept. 30.
Whitaker, James N. (See Smith, J. E., Whitaker, and Clark.)
White, Howard L., Brooklyn, N. Y. Rifling tool. 2,257,438; Sept. 30.
Whittaker, Lloyed E., assignor to Technicolor Motion Picture Corporation, Los Angeles, Calif. Cinematographic apparatus. 2,257,254; Sept. 30.
Whittemore, George A. (See Scott, G. D., Whittemore, and Glendon.)

Whittle, William S., Canton, assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,257,558; Sept. 30.
Wightman, Frederick, assignor to W. B. Kerrick, Los Angeles, Calif. Steam generator. 2,257,358; Sept. 30.
Wilborn, Joyce W., Fort Smith, Ark. Sleeve extractor. 2,257,318; Sept. 30.
Willard Storage Battery Company. (See Raney, Robert M., assignor.)
Willard Storage Battery Company. (See Wells, Leland E., assignor.)
Williams, Charles E., Seattle, Wash. Radiant energy system. 2,257,319; Sept. 30.
Williams, Charles E., Seattle, Wash. Direction finding system. 2,257,320; Sept. 30.
Williams, Robert C., assignor to The Ironsides Company, Columbus, Ohio. Water-containing lubricant for composition bearings. 2,257,359; Sept. 30.
Willoughby, Victor, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Seat. 2,257,211; Sept. 30.
Willoughby, Victor, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Outlet valve and operating mechanism. 2,257,212; Sept. 30.
Wilson, John M., assignor to Minneapolis-Honeywell Regulator Company, Minneapolish, Minn. Switching mechanism. 2,257,439; Sept. 30.
Winthrop Chemical Company. (See Linsert, Otto, assignor.)
Wise, Ralph H., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Deck lid lock. 2,257,214; Sept. 30.
Wolf, Jacques, & Co. (See Parks, Roscoe W., assignor.)
Wolfrom, Ulrich, Leuna, Germany, assignor to Standard Catalytic Company. Closure for high pressure vessels. 2,257,213; Sept. 30.
Wolseley Motors Limited. (See Gould, George, assignor.)
Wood, Frank E. (See Sutton, H. M., and Wood.)
Wood, Gar, Industries, Inc. (See Barrett, Edward R., assignor.)
Wood, Glenn D., assignor to Posture Research Corporation, Elkhart, Ind. Chair. 2,257,583; Sept. 30.
Wood, John, Manufacturing Company Inc. (See Brouse, William H. D., assignor.)
Wood, Otis F., New York, N. Y. Reproduction process. 2,257,143; Sept. 30.
Wood, William H., Bedford, assignor to Harris-Seybold-Potter Company, Cleveland, Ohio. Hardening photographic materials. 2,257,440; Sept. 30.
Wooddell, Charles E. (See de Leeuw, P., and Wooddell.)
Worsham, Thomas A., East Chattanooga, assignor to F. J. Nolan, Chattanooga, Tenn. Spark plug cleaner. 2,257,144; Sept. 30.
Wuiff, Carlyle C., Chicago, Ill. Knife sharpener. 2,257,407; Sept. 30.
Wyler, Joseph A., assignor to Trojan Powder Company, Allentown, Pa. Desensitized pentaerythritol tetranitrate explosive. 2,257,360; Sept. 30.
Wylie, Ernest L., assignor to Champ-Items Inc., St. Louis, Mo. Self-tapping drain plug or bolt. 2,257,441; Sept. 30.
Wyllie, John W., Franklin, Mass. Holder for cigarettes, etc. 2,257,584; Sept. 30.
Yingling, Frank B., Hamilton, Ohio. Vehicle washer. 2,257,255; Sept. 30.
York, Lantrip M., Lake Charles, La. Finger board. 2,257,520; Sept. 30.
Yorkey, William R., Maplewood, N. J., assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Material handling magnet control. 2,257,361; Sept. 30.
Youngstown Foundry and Machine Company. (See Kell, Walter M., assignor.)
Yula, Henry F., New York, N. Y. Thermostatically controlled mixing device. 2,257,442; Sept. 30.
Zap, Edward F., West Chester, Pa. Split flap. 2,257,215; Sept. 30.
Zerweck, Werner, and W. Brunner, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline & Film Corporation, New York, N. Y. Water-insoluble azo dyestuffs. 2,257,216; Sept. 30.
Zesch, Eugene M., Reading, Pa., assignor to Karl Lieberknecht, Inc. Knitted fabric and making it. 2,257,443; Sept. 30.
Zimmerman, Harry, New York, N. Y. Toy bugle. 2,257,145; Sept. 30.
Zimmermann, Theo. (See Dienenthal, H., and Zimmermann.)
Zirker, Joseph, Brooklyn, and R. W. Zirker, New York, N. Y.; said J. Zirker assignor to said R. W. Zirker. Attachment for tailors' presses. 2,257,146; Sept. 30.
Zirker, Rose. (See Zirker, Joseph and R. W.)
Zitkowski, Emil C., San Miguel, Tarlac, P. I. Apparatus for treating liquid-solids mixtures. 2,257,362; Sept. 30.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 30TH DAY OF SEPTEMBER, 1941

NOTE.--Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Apparatus for reduction. R. S. Butler. Re. 21,910; Sept. 30.
Commutation system. D. S. Muzzey, Jr. Re. 21,914; Sept. 30.
Control means, Light. J. R. Balsley. Re. 21,907; Sept. 30.
Eyelens brace and protector. W. Brown. Re. 21,909; Sept. 30.
Heater. C. E. Meyerhoefer. Re. 21,913; Sept. 30.
Hydrocarbons, Converting. F. E. Frey and W. F. Huppke. Re. 21,911; Sept. 30.
Oil wells, Treating. W. V. Vietti and A. D. Garrison. Re. 21,916; Sept. 30.
Roofing granules and producing same. E. H. Nichols. Re. 21,915; Sept. 30.
Sanding control means. E. E. Hewitt. Re. 21,912; Sept. 30.
Shock absorber. E. L. Beecher. Re. 21,908; Sept. 30.

LIST OF DESIGN INVENTIONS

Atomizer. F. A. Vuillemenot. 129,736; Sept. 30.
Badge or the like. M. M. and C. C. Greer. 129,742; Sept. 30.
Barrette. S. Behr. 129,738–9; Sept. 30.
Blotter unit. M. E. Trollen. 129,715; Sept. 30.
Bottle. J. H. Nash. 129,747; Sept. 30.
Bottle or article of similar nature, Bar. T. C. Heisey. 129,730; Sept. 30.
Bridge for an ophthalmic mounting. H. J. Langknecht. 129,710; Sept. 30.
Building, Oil service station. F. J. McNulty. 129,711; Sept. 30.
Button and picture frame or similar article, Combined stud. M. Shuwarger. 129,713; Sept. 30.
Button or similar article, Stud. E. Jacobstein. 129,708; Sept. 30.
Cabinet, Desk. R. R. Gardner. 129,724; Sept. 30.
Carton. J. G. Luttrell. 129,731; Sept. 30.
Closure top or similar article, Dispenser. R. Bernhardt. 129,728; Sept. 30.
Damper operator. H. E. Malone. 129,746; Sept. 30.
Dispenser, Beverage. R. Wyer. 129,721; Sept. 30.
Dress. L. Asteroff. 129,754; Sept. 30.
Dress. H. Bayor. 129,770; Sept. 30.
Dress. M. Carbotti. 129,771–3; Sept. 30.
Dress. W. Clion. 129,774; Sept. 30.
Dress. S. Etkin. 129,755–6; Sept. 30.
Dress. J. Goldman. 129,776; Sept. 30.
Dress. A. Henry. 129,758; Sept. 30.
Dress. P. Kaperst. 129,778–9; Sept. 30.
Dress. B. Keller. 129,780; Sept. 30.
Dress. E. Koushner. 129,781; Sept. 30.
Dress. H. May. 129,782–3; Sept. 30.
Dress. H. Oppenheimer. 129,785–8; Sept. 30.
Dress. H. Oppenheimer. 129,790–4; Sept. 30.
Dress. N. Renke. 129,759–60; Sept. 30.
Dress ensemble. J. Forzani. 129,775; Sept. 30.
Dress ensemble. M. Michelson. 129,784; Sept. 30.
Dress ensemble. H. Oppenheimer. 129,789; Sept. 30.
Driver's license receptacle and key chain, Combination. M. E. Trollen. 129,716; Sept. 30.
Escutcheon plate for automobile radio sets or the like. R. D. Budlong. 129,751; Sept. 30.
Fabric or similar article, Textile. A. Hafner. 129,725; Sept. 30.
Fabric or similar article, Textile. W. D. Roberson. 129,732; Sept. 30.
Fabric, Textile. S. B. Schaeffer. 129,733–5; Sept. 30.
Globe for lighting fixtures. J. Cidissen. 129,699; Sept. 30.
Handbag. W. Tashman. 129,753; Sept. 30.
Handbag or the like. V. Blake. 129,750; Sept. 30.
Hat or similar article. M. A. Oppenheimer. 129,748; Sept. 30.
Heater. R. E. Kruck. 129,744–5; Sept. 30.
Holder, Cigarette. C. H. Flaxbaum. 129,757; Sept. 30.
Holder, Combination shelf, brackets, and towel. R. S. Sanford. 129,712; Sept. 30.
Hood or similar article. F. J. Wengen. 129,727; Sept. 30.
Housing for a telescriber. W. A. Lauder, E. F. Cohoon, and V. Hagopian. 129,762–5; Sept. 30.
Lace fabric or similar article, Embroidered. J. Wiener. 129,795; Sept. 30.
Lamp and attaching bracket, Combination. C. Sklarek. 129,714; Sept. 30.
Lamp fixture, Fluorescent. K. R. Scribner. 129,726; Sept. 30.
Lens, Lamp. R. Cadwallader. 129,698; Sept. 30.
Panty girdle. A. N. Spanel. 129,761; Sept. 30.
Rack, Bolt. W. Daines, Jr., and H. E. Makin. 129,701; Sept. 30.
Rack, Garment. O. L. Collins. 129,729; Sept. 30.
Radiator, hood and fenders for vehicles, Combination. D. G. Renno. 129,752; Sept. 30.
Radio receiver, Portable. C. Karstadt. 129,743; Sept. 30.
Ring or the like. G. F. Jordan. 129,777; Sept. 30.
Rug. G. C. Carter and F. D. Rohan. 129,723; Sept. 30.
Seal for bottles, Inner. J. W. Wandell. 129,749; Sept. 30.
Shade, Lamp. N. V. D. Brock. 129,722; Sept. 30.
Shoe heel, Plastic. E. S. Tupper. 129,717; Sept. 30.
Shoe or similar article. I. E. Grossmann. 129,702–6; Sept. 30.
Shoe or similar article. S. A. Wood. 129,719–20; Sept. 30.
Shoe sole. H. Crossman. 129,700; Sept. 30.
Shrine, Miniature. E. Herz. 129,707; Sept. 30.
Spoon or similar article. F. W. Koonz. 129,709; Sept. 30.
Stand, Display. W. B. West. 129,718; Sept. 30.
Stove. W. R. Chamberlain. 129,740; Sept. 30.
Textile fabric. L. S. Rosenbaum. 129,766; Sept. 30.
Textile fabric. S. B. Schaeffer. 129,767–9; Sept. 30.
Token and ash holder, Combination. F. L. Weiss. 129,737; Sept. 30.
Tray or similar article, Ice-cream cone. F. E. Clark and W. D. Marshall. 129,741; Sept. 30.
Trimming or similar article, Embroidered fabric. J. Aemisegger. 129,697; Sept. 30.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 30TH DAY OF SEPTEMBER, 1941

NOTE.--Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading apparatus. R. B. Huyett. 2,257,118; Sept. 30.
Abrading machine. W. H. Nickerson, Jr. 2,257,305; Sept. 30.
Abrasive article, Bonded. P. de Leeuw and C. E. Wooddell. 2,257,371; Sept. 30.
Acid liquors, Absorption of olefins in. W. H. Groombridge. 2,257,297; Sept. 30.
Acid, Recovery of levulinic. A. D. Macallum. 2,257,389; Sept. 30.
Acids, Preparation of tartaric. W. E. Stokes and W. E. Barch. 2,257,284; Sept. 30.
Agricultural machine. J. Pfeifer and W. G. Huebner. 2,257,650; Sept. 30.
Air brake. C. A. Campbell. 2,257,226; Sept. 30.
Air conditioning system. G. H. Gildersleeve and E. Graber. 2,257,462; Sept. 30.
Air conditioning system. A. H. Newton. 2,257,478; Sept. 30.
Air conditioning system. H. R. Sewell. 2,257,485–6; Sept. 30.
Air conditioning system. D. G. Smellie. 2,257,540; Sept. 30.
Air conditioning unit. H. D. Euwer. 2,257,164; Sept. 30.
Airfoil. A. Kartvelichvili. 2,257,260; Sept. 30.
Alkylation process using tetraphosphoric acid. R. Rosen. 2,257,193; Sept. 30.
Alloy bearing. W. B. Plummer. 2,257,313; Sept. 30.
Alloys, Working and heating Cu-Be. L. L. Stott. 2,257,708; Sept. 30.
Alternating current, Apparatus for producing interrupted. H. W. Albrecht. 2,257,663; Sept. 30.
Amalgamator, Dental. D. B. Grable. 2,257,337; Sept. 30.
Angle fitting and making same. A. L. Parker. 2,257,427; Sept. 30.
Animal trap. D. C. Herstedt. 2,257,299; Sept. 30.
Animal trap. F. S. Rudolph. 2,257,246; Sept. 30.
Apparatus and method for tuning. E. V. Sundt. 2,257,285; Sept. 30.
Apparatus for coating. C. D. Knowlton. 2,257,261; Sept. 30.
Apparatus for knocking up sheets of paper. K. W. Jones. 2,257,688; Sept. 30.
Apparatus for reduction of pressure from mixtures of liquids with gases. F. Koehler and M. Josenhans. 2,257,173; Sept. 30.
Apparatus for the dry development of light sensitive material. F. W. von Meister and F. W. Andrew. 2,257,207; Sept. 30.
Apparatus for the manufacture of diamond cutting tools. J. H. Metz. 2,257,475; Sept. 30.
Apparatus for treating liquid-solids mixtures. E. C. Zitkowski. 2,257,362; Sept. 30.
Apparatus for use in shoemaking. F. Ricks and W. N. Bray. 2,257,275; Sept. 30.
Armored construction boards, Process and apparatus for continuously manufacturing. G. J. Arentsen. 2,257,410; Sept. 30.
Arrangement for determining the distance of an observer from predetermined objects. E. Lau. 2,257,420; Sept. 30.
Article forming machine. B. K. Ford. 2,257,458; Sept. 30.
Artificial tooth and holder therefor. W. H. Beckmann. 2,257,669; Sept. 30.
Assembling machine. R. W. Bailey. 2,257,217; Sept. 30.
Attachment for machine tools and the like. J. Y. Blazek and V. R. Roy. 2,257,493; Sept. 30.
Attachment for power saws. W. W. Gardner. 2,257,459; Sept. 30.
Attachment for tailor's presses. J. and R. W. Zirker. 2,257,146; Sept. 30.
Audiometer. H. W. Koren. 2,257,262–3; Sept. 30.
Automatic diverting valve. R. O. Moore. 2,257,393; Sept. 30.
Automobile direction signal. G. S. Thompson. 2,257,659; Sept. 30.
Automobile frame and structural member. E. Almdale. 2,257,664; Sept. 30.
Backlash preventer for fishing reels. V. E. Babcock. 2,257,521; Sept. 30.
Bags, Machine for manufacturing. T. Jungmayr. 2,257,689; Sept. 30.
Bait holder, Live. O. W. Vandine. 2,257,403; Sept. 30.
Ball. B. R. Vorbusch. 2,257,252; Sept. 30.
Bar: *See*—
Grate bar.
Battery hold-down means. C. E. Bowers. 2,257,155; Sept. 30.
Battery, Storage. R. M. Raney. 2,257,514; Sept. 30.
Battery, Storage. L. E. Wells. 2,257,489; Sept. 30.
Bearing: *See*—
Alloy bearing.
Bearing element for key chains and like devices, Character. E. S. Mix and H. C. Vaisey. 2,257,304; Sept. 30.
Bearing for bicycles, Crank. F. W. Schwinn. 2,257,401; Sept. 30.
Bed and chair, Combination. H. Gertler. 2,257,497; Sept. 30.
Beet handling apparatus. H. F. Silver. 2,257,352; Sept. 30.
Beets, Handling. H. F. Silver. 2,257,351; Sept. 30.
Bench, Packing. D. F. Mercer. 2,257,242; Sept. 30.
Beryllium-containing alloys, Method of working thermally hardenable. W. Rohn, W. Hessenbruch, and W. Hellwig. 2,257,535; Sept. 30.
Billiard cue. J. R. Blum. 2,257,326; Sept. 30.
Binding machine. C. E. Emmer. 2,257,714; Sept. 30.
Blank for making letters and numbers. A. W. Smith. 2,257,200; Sept. 30.
Blooping device for sound reproducers. W. A. Black. 2,257,561; Sept. 30.
Board: *See*—
Finger board.
Board. J. E. Huffaker. 2,257,687; Sept. 30.
Bottle and closure therefor. V. S. Reynolds. 2,257,515; Sept. 30.
Box. L. Hermani. 2,257,682; Sept. 30.
Brake: *See*—
Air brake.
Heavy duty brake.
Brake. N. E. Wahlberg. 2,257,628; Sept. 30.
Brake and sanding control means. A. J. Sorensen. 2,257,310; Sept. 30.
Brake arrangement. W. H. Baselt. 2,257,587; Sept. 30.
Brake control, Electric. C. M. Hines. 2,257,300; Sept. 30.
Brake control means. D. L. McNeal and J. Canetta. 2,257,308; Sept. 30.
Brake control means. A. J. Sorensen. 2,257,309; Sept. 30.
Brake control means. A. J. Sorensen. 2,257,311; Sept. 30.
Brake means for baggage trucks. M. G. Petersen. 2,257,618; Sept. 30.
Brake system. A. G. Larson. 2,257,301; Sept. 30.
Brake system, Electric. A. G. Larson. 2,257,302; Sept. 30.
Bread cooler. D. Tenney. 2,257,487; Sept. 30.
Broiler, Electric. G. R. Bossetta. 2,257,670; Sept. 30.
Brush, Rotary. C. A. Imhoff. 2,257,339; Sept. 30.
Buckle for belts. H. Buchsbaum. 2,257,671; Sept. 30.
Buffer, Automobile. R. B. Fageol. 2,257,495; Sept. 30.
Building covering. E. R. Black. 2,257,152; Sept. 30.
Burner: *See*—
Oil burner.
Burner closure structure, Top. C. E. Parker. 2,257,397; Sept. 30.
Bushing insulator. H. L. Rorden. 2,257,652; Sept. 30.
Cabinet: *See*—
Cold storage cabinet.
Cabinet. J. H. Page. 2,257,188; Sept. 30.
Cabinet construction. E. K. Thomas. 2,257,625; Sept. 30.
Cable: *See*—
Communicating cable.
Calcium magnesium carbonate product and process of manufacture. R. E. Clarke. 2,257,544; Sept. 30.
Camera. R. W. Meyer. 2,257,424; Sept. 30.
Camera diaphragms, Automatic aperture control mechanism for. H. W. Bailey. 2,257,586; Sept. 30.
Camera, Fundus. J. A. Clarke. 2,257,331; Sept. 30.
Can: *See*—
Snap lock cover can.
Capillary active product. A. Ballauf and O. Bayer. 2,257,148; Sept. 30.
Car cooling. M. F. Moore. 2,257,639; Sept. 30.
Carbon cell. S. F. Lybarger. 2,257,303; Sept. 30.
Carrier-signal translating system, Frequency modulated. R. L. Freeman. 2,257,092; Sept. 30.
Case: *See*—
Vegetable display case.
Casing, Tire. C. C. Harrah. 2,257,604; Sept. 30.
Casing, Tire. R. C. Pierce. 2,257,646–7; Sept. 30.
Cast refractories, Production of. H. T. Smyth. 2,257,136; Sept. 30.
Catalysts, Using. G. C. Connolly. 2,257,157; Sept. 30.
Catalytic process. W. B. Johnston. 2,257,384; Sept. 30.
Catheter and drainage tube. T. A. Davis. 2,257,369; Sept. 30.

Cathode disintegration, Method of. B. Berghaus and W. Burkhardt. 2,257,411; Sept. 30.
Cell, Magnesium primary. S. Ruben. 2,257,129–30; Sept. 30.
Centrifugal pump. E. M. Greenlee and A. Crosthwait. 2,257,678; Sept. 30.
Centrifugal separator. C. J. Coberly. 2,257,107; Sept. 30.
Chain. E. L. Starr. 2,257,579; Sept. 30.
Chains, Making ornamental. K. Wacker. 2,257,356; Sept. 30.
Chair: *See*—
Screed chair.
Chair. G. D. Wood. 2,257,583; Sept. 30.
Chair for motion picture theaters. D. D. and E. E. Gaugler. 2,257,496; Sept. 30.
Change-over device, Automatic. R. W. Thomas. 2,257,249; Sept. 30.
Check cover, Folding. F. Humphrey and A. Krieger. 2,257,381; Sept. 30.
Chuck key holder. F. O. Albertson. 2,257,550; Sept. 30.
Chuck, Plunger screw-out. H. L. Eastus. 2,257,675; Sept. 30.
Chute for concrete mixers, Distributing. L. H. Draeger. 2,257,161; Sept. 30.
Cinematographic apparatus. L. E. Whittaker. 2,257,254; Sept. 30.
Circuit: *See*—
Hydraulic circuit. Motor circuit.
Circuit arrangement for ultra-short waves, Amplifier. E. Rahn. 2,257,274; Sept. 30.
Circuit closer. A. M. Hamby. 2,257,679; Sept. 30.
Clamp and bracket structure. B. Strezoff. 2,257,354; Sept. 30.
Cleaner: *See*—
Spark-plug cleaner. Vacuum cleaner.
Suction cleaner.
Cleaning composition. S. Jacobson. 2,257,467; Sept. 30.
Cleaning device. J. Fuchs. 2,257,600; Sept. 30.
Clock rewinding means. K. Urbanski. 2,257,404; Sept. 30.
Closure for high pressure vessels. U. Wolfrom. 2,257,213; Sept. 30.
Clutch and transmission gearing, Automatic. F. W. Cotterman. 2,257,333; Sept. 30.
Coaster frame. C. Le Fevre. 2,257,264; Sept. 30.
Coating apparatus. W. George. 2,257,113; Sept. 30.
Coating composition. H. A. Scholz and E. B. Oberg. 2,257,280; Sept. 30.
Coating composition. H. A. Scholz. 2,257,281; Sept. 30.
Cold storage cabinet. E. M. Fritz. 2,257,374; Sept. 30.
Collapsible table and bench. C. W. Gay. 2,257,550; Sept. 30.
Collar. R. C. Campbell. 2,257,593; Sept. 30.
Communication cable, High frequency. B. Inoue. 2,257,259; Sept. 30.
Communication system. R. C. Mathes. 2,257,568; Sept. 30.
Composite container. V. I. McCarthy. 2,257,569; Sept. 30.
Compressor, Hydraulic. G. W. Harris. 2,257,378; Sept. 30.
Connection, Electrical. A. Keefe. 2,257,608; Sept. 30.
Connector: *See*—
Line connector.
Container: *See*—
Composite container.
Container. A. W. McClary. 2,257,697; Sept. 30.
Container. H. Weiner. 2,257,142; Sept. 30.
Container closure and coaster. F. S. Patton. 2,257,312; Sept. 30.
Containers, Method and apparatus for closing paper. G. Meyer-Jagenberg. 2,257,243; Sept. 30.
Control device, Taximeter. B. Herskovits. 2,257,115; Sept. 30.
Control system, Automatic. W. L. McGrath. 2,257,472; Sept. 30.
Control system for toys, Remote. E. E. McKelge and N. L. Case. 2,257,473; Sept. 30.
Control system, Proportional. R. S. Thacker. 2,257,203; Sept. 30.
Control system, Temperature. W. L. McGrath. 2,257,471; Sept. 30.
Control valve. E. A. Turner and C. R. Davison. 2,257,289; Sept. 30.
Cooking device, Electric. D. Trompeter. 2,257,580; Sept. 30.
Cooking device, Electrical. O. E. Crites. 2,257,159; Sept. 30.
Cooking top. C. E. Parker. 2,257,395; Sept. 30.
Cooking top support. C. E. Parker. 2,257,398; Sept. 30.
Cookstove, Gaseous fuel. C. E. Parker. 2,257,399; Sept. 30.
Cooler: *See*—
Bread cooler.
Corer and gouge, Combination fruit. C. A. Taylor. 2,257,202; Sept. 30.
Corncob holder. M. Lichter. 2,257,505; Sept. 30.
Cornhusking machine. S. E. Morral. 2,257,508; Sept. 30.
Coupling. M. H. Arnold. 2,257,321; Sept. 30.
Couplings to hose, Attaching. H. Vohrer. 2,257,355; Sept. 30.
Cover: *See*—
Check cover.
Cover for baking pans. A. L. Langel. 2,257,468; Sept. 30.
Crop cleaning attachment for harvester conveyors. G. Anderson, O. J. Parks, and K. M. Keith. 2,257,097; Sept. 30.
Crusher and pulverizer. R. P. Fisher. 2,257,166; Sept. 30.
Crushing machine, Triple. G. E. Krider. 2,257,388; Sept. 30.
Cuticle shield. E. L. Breene. 2,257,102; Sept. 30.
Cutter: *See*—
Rotary cutter.
Cutter. V. H. Baker. 2,257,448; Sept. 30.
Cutter mechanism. H. J. Perazzoli. 2,257,480; Sept. 30.
Cutting and loading machine, Combined. T. F. McCarthy. 2,257,181; Sept. 30.
Cylinder for internal combustion engines, Power. F. H. Kelley. 2,257,417; Sept. 30.
Deck lid lock. R. H. Wise. 2,257,214; Sept. 30.
Dehorning device. F. S. Rudolph. 2,257,245; Sept. 30.
Dental appliance. L. P. Anderson. 2,257,709; Sept. 30.
Derivatives of cyclopentano-phenanthren and the manufacture of the same. R. E. Meyer. 2,257,701; Sept. 30.
Derrick. P. Kempe. 2,257,386; Sept. 30.
Detergent composition. F. J. Curtis. 2,257,545; Sept. 30.
Device for cleaning sweet corn. A. Marchant. 2,257,470; Sept. 30.
Device for observing the area in the rear of vehicles. C. L. Mote. 2,257,510; Sept. 30.
Diazoimino compounds, Solubilization of. W. A. Erickson. 2,257,091; Sept. 30.
Dinitro-benzotrifluoride compounds. M. E. Friedrich and L. E. Schniepp. 2,257,093; Sept. 30.
Direction finding system. C. E. Williams. 2,257,320; Sept. 30.
Discharge printing of fabrics, etc. R. W. Parks. 2,257,189; Sept. 30.
Dishwasher and drainer, Combination. E. F. Romney. 2,257,192; Sept. 30.
Dispenser and cleaning brush, Combination. H. Herbert. 2,257,606; Sept. 30.
Dispensing apparatus. P. L. Hexter. 2,257,238; Sept. 30.
Dispensing device. A. S. Chandler. 2,257,412; Sept. 30.
Displacement fluid meter. W. H. D. Brouse. 2,257,591; Sept. 30.
Distributing apparatus of the piston and cylinder type. F. N. Trier and P. F. Crothers. 2,257,251; Sept. 30.
Door: *See*—
Rolling door.
Door construction, Overhead. A. V. Rowe. 2,257,484; Sept. 30.
Draft diverter. A. P. Livar. 2,257,240; Sept. 30.
Drawing instrument. G. E. Mattos. 2,257,529; Sept. 30.
Drill: *See*—
Rock drill.
Drill pipe, Threadless. A. Boynton. 2,257,101; Sept. 30.
Driving and differential mechanism for vehicles, Hydraulic. R. E. Cornwell. 2,257,108; Sept. 30.
Drums, Means for closing metal. G. Brouhon. 2,257,454; Sept. 30.
Duplicating, Means for and method of. W. Hoskins, Jr. 2,257,116; Sept. 30.
Dye compositions, Azo. J. Riedmair, W. Pässler, and G. Torinus. 2,257,190; Sept. 30.
Dyestuffs containing chromium in complex union, Azo. E. Fellmer. 2,257,165; Sept. 30.
Dyestuffs, Water-insoluble azo. W. Zerweck and W. Brunner. 2,257,216; Sept. 30.
Elastic waves in the ground, Determining the velocity of. J. D. Malmqvist. 2,257,423; Sept. 30.
Electrode and forming the same, Welding. G. E. Lewis. 2,257,566; Sept. 30.
Engine: *See*—
Internal combustion engine. Two-cycle Diesel engine.
Ensilage spreader. L. Radue. 2,257,572; Sept. 30.
Envelope feeder for typewriters. B. Langley. 2,257,174; Sept. 30.
Envelope, Filing. C. A. Spotts. 2,257,517; Sept. 30.
Envelope or container. A. S. Chandler. 2,257,413; Sept. 30.
Evaporating apparatus and method. D. D. Peebles. 2,257,531; Sept. 30.
Evaporator, Refrigerant. L. W. Atchison. 2,257,447; Sept. 30.
Explosive, Desensitized pentaerythritol tetranitrate. J. A. Wyler. 2,257,360; Sept. 30.
Extractor: *See*—
Fruit juice extractor. Sleeve extractor.
Extrusion method for organic materials. L. A. Burrows, W. E. Lawson, and C. B. Van Winter. 2,257,104; Sept. 30.
Fabric: *See*—
Knitted fabric.
Fabric and making it, Knitted. E. M. Zesch. 2,257,443; Sept. 30.
Fabric and method, Knitted. W. L. Smith, Jr. 2,257,718–19; Sept. 30.
Fastener units, Assembling. C. G. Olson. 2,257,479; Sept. 30.
Fastening device. E. Gisondi. 2,257,525; Sept. 30.
Fastening device, Expanded. E. Schlueter. 2,257,538; Sept. 30.

Fastening means for uniting building members. H. Hasenburger and H. W. Corbett. 2,257,499; Sept. 30.
Feed for forming machines. L. W. Barnes. 2,257,450; Sept. 30.
Fender. A. A. Webb. 2,257,556; Sept. 30.
Fiber, Art of making vulcanized. J. Robinson. 2,257,576; Sept. 30.
Fibers of vegetable origin, Bleaching. H. O. Kauffmann. 2,257,716; Sept. 30.
Fibrous materials, Process for improving. H. Krzikalla and R. Armbruster. 2,257,239; Sept. 30.
Film blooping apparatus, Sound. C. N. Batsel. 2,257,560; Sept. 30.
Film drying machine. M. Niersbach. 2,257,394; Sept. 30.
Film-forming material and preparing the same, Polysulphide. F. Jage. 2,257,607; Sept. 30.
Film splicing device. R. C. McClay. 2,257,182; Sept. 30.
Film transporter, Photographic. I. V. Abadjieff. 2,257,444; Sept. 30.
Finger board. L. M. York. 2,257,520; Sept. 30.
Fishline sinker. O. B. Gerdin. 2,257,415; Sept. 30.
Flap, Split. E. F. Zap. 2,257,215; Sept. 30.
Flatiron. J. G. Macdonald. 2,257,506; Sept. 30.
Flatiron stand, Temperature-controlling. R. Sahli. 2,257,131; Sept. 30.
Flexible device. H. G. Brokering. 2,257,103; Sept. 30.
Flooring, Sectional. W. T. Bath. 2,257,219; Sept. 30.
Fluids, Application of drilling. P. E. Harth. 2,257,114; Sept. 30.
Fluorides from drinking water, Removing. E. Elvove. 2,257,111; Sept. 30.
Flush tank valve. W. D. De Garmo. 2,257,292; Sept. 30.
Flushing apparatus. J. M. Teahen. 2,257,138; Sept. 30.
Folded article. E. Jacobsen. 2,257,340; Sept. 30.
Folding table. E. C. Bailey. 2,257,522; Sept. 30.
Footrest, Swinging. A. E. Beeson. 2,257,150; Sept. 30.
Footwear. R. Maling. 2,257,390; Sept. 30.
Formation light, Airplane flush type. J. M. Roper and A. D. Dircksen. 2,257,127; Sept. 30.
Fountain head, Drinking. E. W. Marchand, Jr. 2,257,268; Sept. 30.
Frame: *See*—
Coaster frame. Printing frame.
Frame and connected block structure, Separable. H. F. Frease. 2,257,598; Sept. 30.
Fruit juice extractor. S. J. and S. W. Savitz. 2,257,430; Sept. 30.
Fruits for salads, Method and apparatus for canning. T. Alton. 2,257,147; Sept. 30.
Fuel burner base, Liquid. F. H. R. Silva. 2,257,431; Sept. 30.
Fuel, Motor. R. Rosen. 2,257,194; Sept. 30.
Fuel, Motor. J. W. Teter. 2,257,434; Sept. 30.
Fuels, Producing improved motor. P. A. Maschwitz. 2,257,179; Sept. 30.
Furnace: *See*—
Regenerative furnace.
Furnace. J. L. Drake. 2,257,229; Sept. 30.
Furnace. G. A. Kohout. 2,257,693; Sept. 30.
Furnace structure for reducing ores. E. W. Davis. 2,257,110; Sept. 30.
Fused products containing partially vitreous and partially nonvitreous materials, Method of separating. L. G. Black. 2,257,325; Sept. 30.
Game device. W. Hansell. 2,257,602; Sept. 30.
Game, Racing. De W. C. Webb. 2,257,661; Sept. 30.
Game, World war. D. Cohen. 2,257,636; Sept. 30.
Garbage disposal plant sorting apparatus. M. Matanovich-Manov and A. S. Holmes. 2,257,567; Sept. 30.
Garment, Bifurcated. I. Neiman. 2,257,426; Sept. 30.
Gas water heater. H. D. Dufault. 2,257,721; Sept. 30.
Gases, Apparatus for the treatment of. G. T. Reich. 2,257,533; Sept. 30.
Gases, Method and apparatus for conversion of hydrocarbon. H. C. Schutt. 2,257,198; Sept. 30.
Gases to liquid, Method and apparatus for converting hydrocarbon. J. W. Throckmorton and V. D. Drummond. 2,257,206; Sept. 30.
Gasket. A. G. Davis. 2,257,334; Sept. 30.
Gate: *See*—
Irrigation control gate.
Gauge: *See*—
Tension gauge. Type soldering gauge.
Gear finishing machine, Internal. J. D. Rovick. 2,257,195; Sept. 30.
Gear shifting mechanism. N. E. Wahlberg. 2,257,632; Sept. 30.
Generator: *See*—
Oscillation generator. Steam generator.
Glass blocks, Apparatus for making cellular. E. H. Haux. 2,257,681; Sept. 30.
Glass inspection apparatus. J. L. Drake. 2,257,230; Sept. 30.
Glove. G. H. Wheadon. 2,257,210; Sept. 30.
Glove with seamless crotches. A. and H. Bates. 2,257,492; Sept. 30.
Golf club. W. F. Reach. 2,257,575; Sept. 30.
Goniometer, Direct reading radio. H. Chireix. 2,257,594; Sept. 30.
Governor mechanism, Dual protection turbine. W. Schmid. 2,257,279; Sept. 30.
Grate. A. Gaul, Jr. 2,257,295; Sept. 30.
Grate actuating mechanism. G. Von Haase. 2,257,488; Sept. 30.
Grate bar. C. V. Thorsell. 2,257,287; Sept. 30.
Grate, Traveling. K. Grethe. 2,257,416; Sept. 30.
Grinder, Crank pin. G. F. Prill. 2,257,619; Sept. 30.
Grinding apparatus, Flute. A. A. Herrick and E. R. Koonz. 2,257,256; Sept. 30.
Grinding machine. F. A. Jimerson. 2,257,501; Sept. 30.
Grinding mechanism, Shear. B. Strezoff. 2,257,353; Sept. 30.
Guard, Dust. D. H. Johannesen. 2,257,119; Sept. 30.
Guide, Material. M. Amidon. 2,257,446; Sept. 30.
Gun and projectile therefor, Perforating. W. S. Reynolds. 2,257,276; Sept. 30.
Gun perforator for well casings. I. J. McCullough. 2,257,270; Sept. 30.
Gun with serial firing means, Perforating. I. J. McCullough. 2,257,271; Sept. 30.
Hammer, Portable. R. E. Skoglund. 2,257,623; Sept. 30.
Hanger: *See*—
T-head shore hanger.
Hatbox. A. Berke. 2,257,151; Sept. 30.
Hatch. W. W. Mason. 2,257,343; Sept. 30.
Heat and sound insulation bodies, Manufacture of special shapes of. A. L. Forster. 2,257,112; Sept. 30.
Heat control. G. Pervells. 2,257,617; Sept. 30.
Heater: *See*—
Gas water heater. Water heater.
Solar water heater.
Heating. M. F. Moore. 2,257,638; Sept. 30.
Heating and air circulating unit. W. Lintern. 2,257,342; Sept. 30.
Heavy duty brake. A. R. Maier. 2,257,722; Sept. 30.
Hemostat tonsillotome. V. Trottier. 2,257,288; Sept. 30.
High pressure pump. R. E. Kinkade and C. B. Mallonee. 2,257,387; Sept. 30.
Holder: *See*—
Bait holder. Corncob holder.
Chuck key holder.
Holder for cigarettes, etc. J. W. Wyllie. 2,257,584; Sept. 30.
Honing head. W. D. McKeon. 2,257,474; Sept. 30.
Horn switch. J. F. Sladky. 2,257,706; Sept. 30.
Hose and coupling, Suction cleaner. A. W. Seyfried. 2,257,705; Sept. 30.
Hose well. J. D. Cochin. 2,257,368; Sept. 30.
Hydraulic circuit. G. A. Wahlmark. 2,257,140; Sept. 30.
Hydrocarbon deposits in the earth, Method for locating. L. G. Howell. 2,257,170; Sept. 30.
Hydrocarbon fluids, Treating. H. V. Atwell. 2,257,086; Sept. 30.
Hydrocarbons, Manufacture of. H. Dreyfus. 2,257,293; Sept. 30.
Hydrocarbons, Production of aliphatic. F. Fischer and H. Pichler. 2,257,457; Sept. 30.
Hydrogenation products of compounds of the cyclopentano-10, 13- dimenthyl polyhydrophenanthene series, Method of producing. L. Strassberger and L. Kraft. 2,257,137; Sept. 30.
Hydroplane. H. F. S. von Burtenbach. 2,257,405; Sept. 30.
Ice block forming and dispensing device. R. A. Bayne. 2,257,149; Sept. 30.
Inertia device. A. J. Sorensen. 2,257,315; Sept. 30.
Insect trap. L. B. Scott and J. Milam. 2,257,655; Sept. 30.
Insecticide. I. M. Colbeth. 2,257,711; Sept. 30.
Intelligence transmission system. H. Branson. 2,257,562; Sept. 30.
Internal combustion engine. E. McCormick. 2,257,614; Sept. 30.
Internal combustion engine. N. E. Wahlberg. 2,257,631; Sept. 30.
Iron and steel articles, Formation of protective layers on. G. Becker and F. Steinberg. 2,257,668; Sept. 30.
Ironing member. W. A. Barnes. 2,257,451; Sept. 30.
Irrigation control gate. J. S. Thomson. 2,257,626; Sept. 30.
Jack: *See*—
Vehicle jack.
Joint for wheel suspension devices. F. E. Maier. 2,257,422; Sept. 30.
Kitchen utility. H. Terry. 2,257,658; Sept. 30.
Kite and method of forming the same. J. Hahn. 2,257,298; Sept. 30.
Knife for paper converting machines. D. M. Feurt. 2,257,336; Sept. 30.
Knife, surgical. A. L. Waugh. 2,257,141; Sept. 30.
Knitted fabric. H. Grimm and O. Kempf. 2,257,235; Sept. 30.
Knitting machine. G. O. Clauss. 2,257,332; Sept. 30.
Lamp: *See*—
Railway switch lamp.
Lath mounting. W. M. Goldsmith. 2,257,296; Sept. 30.
Laundry method and device. H. F. and R. T. Baxter. 2,257,323; Sept. 30.
Leather, Dyeing. A. Krebser. 2,257,694; Sept. 30.
Lever mechanism. W. A. Ray. 2,257,400; Sept. 30.
Light: *See*—
Airplane flush type formation light.
Lighting fixture. F. W. A. Kurz. 2,257,419; Sept. 30.
Line connector. C. E. Wade. 2,257,317; Sept. 30.
Linking machine. E. L. Morrow. 2,257,509; Sept. 30.

Liquids, Process for cooling. S. P. Miller. 2,257,616; Sept. 30.
Lithographic machine. R. Aberle. 2,257,490; Sept. 30.
Loading and delivery mechanism for conveyers, Automatic. S. Olson and P. E. Lenfestey. 2,257,512; Sept. 30.
Lock: *See*—
Deck lid lock.
Loom. H. S. Clark. 2,257,455; Sept. 30.
Looms, Method of and gauge for adjusting automatic. H. Hoeber. 2,257,257; Sept. 30.
Loop spreading tool. E. Grey. 2,257,376; Sept. 30.
Lotion, Dermal. W. G. Christiansen. 2,257,106; Sept. 30.
Loom construction, Pile fabric. W. H. Dietrich. 2,257,228; Sept. 30.
Lubricant. U. B. Bray. 22,257,328; Sept. 30.
Lubrication, Method of. F. W. Hall and C. C. Towne. 2,257,601; Sept. 30.
Luminescent material. G. Aschermann. 2,257,667; Sept. 30.
Luminescent material. A. H. McKeag and P. W. Ranby. 2,257,699; Sept. 30.
Machine for filling forms with biscuit material. M. M. Raymer. 2,257,347; Sept. 30.
Machine for handling forgings, Self-propelled. H. Dfenenthal and T. Zimmermann. 2,257,546; Sept. 30.
Machine for manufacturing molded pulp articles. W. H. Randall. 2,257,573; Sept. 30.
Machine for operating upon work. A. R. Schoenky. 2,257,132; Sept. 30.
Machine for re-surfacing oil-surfaced roads. H. E. Moore. 2,257,637; Sept. 30.
Machine for rolling screw threads. G. Gould. 2,257,234; Sept. 30.
Machine tool. H. F. Bakewell. 2,257,364; Sept. 30.
Magnet control. Material handling. W. R. Yorkey. 2,257,361; Sept. 30.
Manifold. N. E. Wahlberg. 2,257,629; Sept. 30.
Marine propelling device. J. R. McCombie. 2,257,698; Sept. 30.
Material, Apparatus and method of treating bulk. F. S. Smith. 2,257,541; Sept. 30.
Materials, Apparatus for treating. F. S. Smith. 2,257,542; Sept. 30.
Mattress clamping device. E. I. Hitchcock. 2,257,554; Sept. 30.
Metal articles, Cast. H. H. Weiser. 2,257,437; Sept. 30.
Metal finishing. G. W. Binns and A. H. Dall. 2,257,452; Sept. 30.
Metal oxides and preparations suitable in this process, Process of removing. L. Orthner and W. Ender. 2,257,186; Sept. 30.
Metal treating. J. H. L. De Bats. 2,257,713; Sept. 30.
Metallurgical dusts containing arsenic, Treatment of. F. R. Archibald. 2,257,710; Sept. 30.
Meter: *See*—
Displacement fluid meter.
Meter for measuring fluids, Displacement. W. H. D. Brouse. 2,257,590; Sept. 30.
Method and apparatus for producing continuous photographic strips. H. D. Belock. 2,257,100; Sept. 30.
Method of and apparatus for feeding bags from a stack. W. E. Higginbottom. 2,257,465; Sept. 30.
Method of making rotary condensers. E. Paschke and A. Schmidt. 2,257,643; Sept. 30.
Mixing device, Thermostatically controlled. H. F. Yula. 2,257,442; Sept. 30.
Monitoring facility. E. J. Shortt. 2,257,578; Sept. 30.
Monitoring system, Directional. B. L. Buxton. 2,257,592;
Motor: *See*—
Windshield wiper motor.
Motor circuit, Synchronous. A. G. Cooley. 2,257,158; Sept. 30.
Motor control and brake mechanism, H. T. Kraft. 2,257,610; Sept. 30.
Motor mounting. N. E. Wahlberg and M. F. Moore. 2,257,630; Sept. 30.
Motor-operated valve. C. Thumim. 2,257,435; Sept. 30.
Motor synchronizer for motor driven skates. O. F. Russell. 2,257,653; Sept. 30.
Mounting: *See*—
Lath mounting. Ophthalmic mounting.
Motor mounting.
Mouth speculum, Bovine. H. E. Lent. 2.257.696; Sept. 30.
Multiglazed units, Preventing interior frosting of. E. H. Haux. 2,257,680; Sept. 30.
Neutralized system. K. Posthumus. 2,257,570; Sept. 30.
Night stick. M. M. Dater. 2,257,227; Sept. 30.
Nontilting fifth wheel. J. Johnston. 2,257,563; Sept. 30.
Nozzle, Spray. C. R. Keep. 2,257,691; Sept. 30.
Nut. C. L. Bradford. 2,257,327; Sept. 30.
Obstetrical table. E. R. Armstrong. 2,257,491; Sept. 30.
Oil and water separator. C. C. Oehler. 2,257,244; Sept. 30.
Oil burner. R. J. Fischer. 2,257,548; Sept. 30.
Oil drain valve for internal combustion engines. W. G. Orzehowsky. 2,257,642; Sept. 30.
Oil, Lubricating. H. G. Vesterdal. 2,257,627; Sept. 30.
Oil pump. J. F. Sladky. 2,257,707; Sept. 30.
Oils, Solvent treating mineral. G. W. Duncan. 2,257,547; Sept. 30.
Opener, Can. G. H. Froelich. 2,257,549; Sept. 30.
Opening device. A. M. Perocco. 2,257,532; Sept. 30.
Ophthalmic mounting. S. E. Bouchard. 2,257,224; Sept. 30.
Optical device for photography. A. Gance and P. Angénieux. 2,257,676; Sept. 30.
Orifice device, Closable. R. E. De Kay. 2,257,370; Sept. 30.
Ornament. G. S. Bleyer. 2,257,154; Sept. 30.
Ornamenting elongated objects. C. F. Smith. 2,257,432; Sept. 30.
Oscillation generator. J. W. Hidy. 2,257,685; Sept. 30.
Oven. C. F. Mayer. 2,257,180; Sept. 30.
Package, Ribbon. G. Wagner. 2,257,208; Sept. 30.
Packages, Method of and apparatus for manufacture of sealed. J. S. Stokes. 2,257,433; Sept. 30.
Paint for simulating wood grain. E. W. Danielson. 2,257,595; Sept. 30.
Painter, Door bottom. B. Votaw and J. L. Mudersbach. 2,257,316; Sept. 30.
Papain, Preparation of. A. K. Balls, H. Lineweaver, and S. Schwimmer. 2,257,218; Sept. 30.
Paper, All-around extensible. G. Ruegenberg. 2,257,428; Sept. 30.
Paper, Producing all-round extensible. G. Ruegenberg. 2,257,429; Sept. 30.
Percussive tool. A. T. Lundgren, A. B. Rogers, and V. H. Pavlecka. 2,257,267; Sept. 30.
Perforating machine. H. Boothroyd. 2,257,087; Sept. 30.
Photographic materials, Hardening. W. H. Wood. 2,257,440; Sept. 30.
Picture apparatus, Motion. I. Serrurier. 2,257,197; Sept. 30.
Pictures, Method and means of producing motion. H. Griffin and J. Pearlman. 2,257,551; Sept. 30.
Piecrust guard. C. G. Alexander. 2,257,408; Sept. 30.
Pigments, Process for colored titanium. H. H. Schaumann. 2,257,278; Sept. 30.
Pilot for boring bars. B. M. Kollath. 2,257,609; Sept. 30.
Pipe: *See*—
Drill pipe. Screen pipe.
Piston. J. B. Hayden. 2,257,236; Sept. 30.
Piston. A. L. Nelson. 2,257,184; Sept. 30.
Piston rings, Closing device for. G. Brouwer. 2,257,330; Sept. 30.
Plant setter. M. J. Kimble. 2,257,528; Sept. 30.
Plant setter and corn and bean planter combination. M. J. Kimble. 2,257,527; Sept. 30.
Plug: *See*—
Tubing plug.
Plug or bolt, Self-tapping drain. E. L. Wylie. 2,257,441; Sept. 30.
Polymerization by means of a high frequency electric discharge. E. W. Luster. 2,257,177; Sept. 30.
Power transmission. W. T. Dunn. 2,257,674; Sept. 30.
Precooling unit for perishable foodstuffs. T. M. Bell. 2,257,221; Sept. 30.
Preparation for combating pests and disinfecting seeds. O. Fivian. 2,257,597; Sept. 30.
Preparation of relief printing sheets adapted for use in hectographic reproduction of photographs. W. J. Champion. 2,257,105; Sept. 30.
Press, *See*—
Printing press.
Press. E. K. Johansen. 2,257,383; Sept. 30.
Press with corner-guided platen. W. Ernst. 2,257,294; Sept. 30.
Pressure and safety switch, Combined. A. B. Newton. 2,257,477; Sept. 30.
Pressure booster regulator, Low. W. R. King. 2,257,171; Sept. 30.
Pressure reducing and regulation valve. P. C. Temple. 2,257,204; Sept. 30.
Pressure regulating and unloading valve. T. W. Murphy. 2,257,702; Sept. 30.
Pressure sensitive instrument. A. J. Rosenberger. 2,257,577; Sept. 30.
Printing frame. H. A. Ulsheimer. 2,257,581; Sept. 30.
Printing press. J. F. Jirousek. 2,257,502; Sept. 30.
Process and apparatus for pneumatic separation of masses composed of particles having varied characteristics. H. M. Sutton and F. E. Woods. 2,257,624; Sept. 30.
Process for treatment of metals. R. W. Shoemaker. 2,257,133; Sept. 30.
Projector, Light. E. F. Flint and J. R. Miles. 2,257,232; Sept. 30.
Propeller. A. G. Rindfleisch. 2,257,126; Sept. 30.
Protective system for electric valve apparatus. H. Bany. 2,257,449; Sept. 30.
Pump: *See*—
Centrifugal pump. Oil pump.
High pressure pump.
Pump. J. H. Sharp. 2,257,539; Sept. 30.
Pump. D. Sherwood. 2,257,349; Sept. 30.
Pump for governing apparatps, Variable capacity. M. Gottlieb. 2,257,095; Sept. 30.
Pumping apparatus. J. Mann. 2,257,507; Sept. 30.
Pumping system. R. W. Tilsy. 2,257,660; Sept. 30.
Radiant energy system. C. E. Williams. 2,257,319; Sept. 30.

Radio controlled recovery means for aircraft. W. H. Righter and K. W. Case. 2,257,277; Sept. 30.
Radio receiver, Loop equipped. C. Travis. 2,257,250; Sept. 30.
Radio receivers, Automatic tuning mechanism for. M. Samburg. 2,257,537; Sept. 30.
Radio receiving system. J. M. Miller. 2,257,272; Sept. 30.
Radio relay system, High frequency. H. E. Goldstine. 2,257,094; Sept. 30.
Rail spike. G. W. Muller. 2,257,640–1; Sept. 30.
Railway switch lamp. J. F. Lindberg. 2,257,175; Sept. 30.
Rammer, especially for road making. J. Borgmann. 2,257,223; Sept. 30.
Reaction chamber. H. Z. Martin and D. L. Campbell. 2,257,178; Sept. 30.
Reclining seat. A. W. Clarke and R. F. Koeneman. 2,257,156; Sept. 30.
Recording instrument. G. B. Gallasch. 2,257,233; Sept. 30.
Reflector for radiant heat. E. J. Bates and J. S. Theiss. 2,257,366; Sept. 30.
Refractory body. L. H. Hepner. 2,257,380; Sept. 30.
Refrigeration. W. H. Kitto. 2,257,564; Sept. 30.
Refrigeration. W. S. Whittle. 2,257,558; Sept. 30.
Refrigerator car construction. V. E. West. 2,257,662; Sept. 30.
Regenerative furnace. E. E. Milner. 2,257,392; Sept. 30.
Regulator: *See*—
Pressure booster regulator.
Reinforcing element. R. C. Pierce. 2,257,649; Sept. 30.
Reinforcing element and method of manufacture. R. C. Pierce. 2,257,648; Sept. 30.
Relay control. C. E. Lomax. 2,257,265; Sept. 30.
Remote control mechanism for drag scrapers. W. E. Hale. 2,257,096; Sept. 30.
Reproducing machine. E. J. Cook. 2,257,673; Sept. 30.
Reproduction process. O. F. Wood. 2,257,143; Sept. 30.
Resin stable against dilute acids and alkalies, Synthetic. P. Esselmann and J. Düsing. 2,257,163; Sept. 30.
Resins and making the same. W. M. Smith and W. J. Sparks. 2,257,201; Sept. 30.
Resins from alkyleneimine with arylisocyanates, Production of. P. Esselmann and J. Düsing. 2,257,162; Sept. 30.
Retracting mechanism for boring tools. G. D. Scott, G. A. Whittemore, and F. A. Glendon. 2,257,402; Sept. 30.
Rheostat. R. Abrahamson. 2,257,445; Sept. 30.
Ribbon reverse mechanism. J. A. Hept. 2,257,553; Sept. 30.
Rifling tool. H. L. White. 2,257,438; Sept. 30.
Rock drill, Detachable bit. G. Knutson. 2,257,418; Sept. 30.
Rod: *See*—
Tillage rod.
Rolling door. E. K. Pilcher. 2,257,513; Sept. 30.
Rolling surface for wobbler mechanisms, Non-jamming. W. Hulsebos. 2,257,258; Sept. 30.
Roof, Trussless. J. F. Blaski. 2,257,153; Sept. 30.
Rotary cutter. E. H. Hopps. 2,257,169; Sept. 30.
Safety belt take-up reel assembly, Pilot's shoulder. J. C. Beirise. 2,257,099; Sept. 30.
Safety device, Low speed acceleration. N. M. McCullough. 2,257,615; Sept. 30.
Safety device or guard for machines. J. I. Nasmith. 2,257,273; Sept. 30.
Sand sampler. A. C. Christensen. 2,257,672; Sept. 30.
Sash and store front construction. C. D. Lowry. 2,257,241; Sept. 30.
Sausage skins, Manufacture of artificial. A. Bergmann. 2,257,222; Sept. 30.
Scale, Photograph corrector. F. Z. Pirkey. 2,257,124; Sept. 30.
Scoreboard. J. O. Tice. 2,257,518; Sept. 30.
Scouring device. J. R. Crockford. 2,257,456; Sept. 30.
Scraper. C. P. Shinn, Jr. 2,257,314; Sept. 30.
Scraper, Leveler. R. M. Davenport. 2,257,596; Sept. 30.
Screed chair. A. C. Mabry. 2,257,421; Sept. 30.
Screen pipe. J. F. Maloney. 2,257,344; Sept. 30.
Screw threaded element. C. L. Brackett and C. E. S. Place. 2,257,589; Sept. 30.
Screw threading machine. W. Wemhöner and W. Plagemann. 2,257,253; Sept. 30.
Sealing element. C. C. Harrah. 2,257,603; Sept. 30.
Seat: *See*—
Reclining seat.
Seat. V. Willoughby. 2,257,211; Sept. 30.
Seismic surveying. J. E. Owen. 2,257,187; Sept. 30.
Selecting and conveying apparatus for card indexes. O. Becker. 2,257,220; Sept. 30.
Separator: *See*—
Centrifugal separator. Oil and water separator.
Sewing machine motor and lamp bracket. S. Redlich. 2,257,704; Sept. 30.
Sharpener, Knife. C. C. Wulff. 2,257,407; Sept. 30.
Sheet handling mechanism. S. A. Huffman. 2,257,117; Sept. 30.
Sheet material, Method and apparatus for coating. J. R. Fanselow. 2,257,373; Sept. 30.
Sheet piler. W. M. Kell. 2,257,469; Sept. 30.
Shock absorbing mechanism, Friction. R. J. Olander. 2,257,306; Sept. 30.
Shoe construction. S. Resko. 2,257,482; Sept. 30.
Shoe polishing machine, Automatic. J. C. Rough. 2,257,128; Sept. 30.
Shoes, Manufacture of. K. Kilburn. 2,257,343; Sept. 30.
Shoulder-strap-retaining device. M. Brown. 2,257,494; Sept. 30.
Sifter. P. J. Barnard. 2,257,322; Sept. 30.
Signal: *See*—
Automobile direction signal.
Signals, Frequency modulation of. J. E. Smith, J. N. Whitaker, and G. R. Clark. 2,257,282; Sept. 30.
Signaling apparatus. C. E. Lomax and A. B. Smith. 2,257,266; Sept. 30.
Signaling device for use with tanks, Audible. F. P. Scully and A. E. Mathey. 2,257,656; Sept. 30.
Signaling system. J. H. Hammond, Jr. 2,257,168; Sept. 30.
Sleeve extractor. J. W. Wilborn. 2,257,318; Sept. 30.
Slub catcher. J. C. Plourde. 2,257,125; Sept. 30.
Slush pump valve. J. W. Wells. 2,257,209; Sept. 30.
Snap lock cover can. A. G. Hopkins. 2,257,715; Sept. 30.
Sodium perborate product. H. N. Gilbert and N. D. Clare. 2,257,461; Sept. 30.
Solar water heater. A. De Bogory. 2,257,524; Sept. 30.
Solenoid and valve assembly, Unitary. O. Werther. 2,257,582; Sept. 30.
Solvent refining process. A. L. Snow. 2,257,283; Sept. 30.
Sound recording apparatus. H. A. Howell. 2,257,466; Sept. 30.
Spark plug cleaner. T. A. Worsham. 2,257,144; Sept. 30.
Spark plug tester. C. A. Schulz. 2,257,622; Sept. 30.
Spray booth, Operator-protecting. J. F. Roche, Jr., and M. Darbyshire. 2,257,516; Sept. 30.
Spring: *See*—
Wire spring.
Spring suspension means for vehicles. K. Rabe. 2,257,571; Sept. 30.
Stacking device, Ticket. K. S. Haywood. 2,257,683; Sept. 30.
Stand: *See*—
Flatiron stand. Thread stand.
Starch products, Manufacture of. G. Frischmuth and E. Frobel. 2,257,599; Sept. 30.
Steam generator. F. Wightman. 2,257,358; Sept. 30.
Steam producer. C. Lasker. 2,257,565; Sept. 30.
Steering apparatus. G. J. Mannfolk. 2,257,613; Sept. 30.
Steering knuckle support arm. A. A. Webb. 2,257,557; Sept. 30.
Stick-holding device. C. T. Cutting. 2,257,160; Sept. 30.
Stitch mechanism, Blind. J. F. Arver. 2,257,363; Sept. 30.
Stoker. J. S. Bennett. 2,257,588; Sept. 30.
Stoker, Locomotive. C. J. Sirdy. 2,257,286; Sept. 30.
Stop motion. O. W. Schaum. 2,257,654; Sept. 30.
Stove, Hot-blast. A. Bowland. 2,257,453; Sept. 30.
Strainer. A. Hock. 2,257,686; Sept. 30.
Strap end retainer. A. Meehan. 2,257,700; Sept. 30.
Strap sealing apparatus. W. C. Childress. 2,257,090; Sept. 30.
Striping device for knitting machines. R. H. Lawson and A. Gagné. 2,257,504; Sept. 30.
Structural element. A. M. Hull. 2,257,338; Sept. 30.
Structural member. E. Almdale. 2,257,665; Sept. 30.
Stud driver. H. Caminez. 2,257,089; Sept. 30.
Suction cleaner. C. G. Troxler. 2,257,555; Sept. 30.
Sulphur compound and composition thereof, Organic. V. Voorhees. 2,257,290; Sept. 30.
Support: *See*—
Cooker top support. Well pipe support.
Support for upholstered seats and backs, Spring. A. M. Bank. 2,257,633; Sept. 30.
Supporting plane for hydroplanes. H. F. S. von Burtenbach. 2,257,406; Sept. 30.
Sweeper, Carpet. W. E. Siebert and D. Ike. 2,257,350; Sept. 30.
Switch: *See*—
Horn switch.
Switch. E. W. Rickmeyer. 2,257,348; Sept. 30.
Switching mechanism. J. M. Wilson. 2,257,439; Sept. 30.
T-head shore hanger. R. A. Schneider. 2,257,196; Sept. 30.
Table: *See*—
Folding table. Obstetrical table.
Table and bed, Combination. M. V. Mezzetti. 2,257,425; Sept. 30.
Tail gate mounting means. A. Orscheln. 2,257,530; Sept. 30.
Take-up mechanism, Quick. R. J. Olander. 2,257,307; Sept. 30.
Tape puller for projectors. G. I. Roberts and R. F. Dirkes. 2,257,191; Sept. 30.
Tapes, Making adhesive. F. J. Tone, O. L. Mahlman, and F. Brown. 2,257,139; Sept. 30.
Telegraph system, Printing. C. Goodwin. 2,257,677; Sept. 30.
Telescopic handle extension. G. Auvil. 2,257,585; Sept. 30.
Tennis net. R. S. Bunker. 2,257,634–5; Sept. 30.
Tension gauge. J. A. Roché. 2,257,483; Sept. 30.
Terminal construction. N. C. Schellenger. 2,257,621; Sept. 30.

Therapeutic apparatus. V. E. Britt. 2,257,329; Sept. 30.
Thread cutting mechanism. F. Nell. 2,257,121; Sept. 30.
Thread stand. S. G. Garcia. 2,257,414; Sept. 30.
Timing device. K. E. Bemis. 2,257,291; Sept. 30.
Timing device for mechanical power drives. A. E. Lillquist. 2,257,611; Sept. 30.
Tire chain tool. I. R. Spahr. 2,257,657; Sept. 30.
Tire inflation apparatus. C. K. Hansen. 2,257,498; Sept. 30
Tobacco, Apparatus and method for cleaning and separating leaf. G. W. Hammack. 2,257,552; Sept. 30.
Tool: *See*—
Loop spreading tool. Rifling tool.
Machine tool. Turning tool.
Percussive tool. Tire chain tool.
Tool head. L. T. Taylor. 2,257,248; Sept. 30.
Tool joint welding. S. Evans and R. S. Grant. 2,257,335; Sept. 30.
Top structure for cookstoves. C. E. Parker. 2,257,396; Sept. 30.
Torch. Adjustable flame hardening. A. L. Hartley. 2,257,605; Sept. 30.
Toy bugle. H. Zimmerman. 2,257,145; Sept. 30.
Traction device for vehicle wheels. C. R. Nelson. 2,257,185; Sept. 30.
Trailer hitch for towing tractors. C. Flodman. 2,257,526; Sept. 30.
Transmission. P. W. Neff. 2,257,511; Sept. 30.
Transmission mechanism. C. A. Arens. 2,257,098; Sept. 30.
Transmitting unit, Power. W. Paulus. 2,257,346; Sept. 30.
Trap: *See*—
Animal trap. Insect trap.
Tray. W. R. Roycroft. 2,257,536; Sept. 30.
Tray, Freezing. A. R. Haben. 2,257,377; Sept. 30.
Treating machine, Fruit. P. Jepson. 2,257,341; Sept. 30.
Truck stabilizer. A. C. Davidson. 2,257,109; Sept. 30.
Truing attachment, Radius. A. J. Graf. 2,257,464; Sept. 30.
Tubing plug. H. C. Marsh and W. M. Quilter. 2,257,269; Sept. 30.
Turning tool. M. E. Lange and W. C. De Graff. 2,257,503; Sept. 30.
Two-cycle Diesel engine. J. A. Eaton. 2,257,372; Sept. 30.
Type soldering gauge. C. P. O'Connor. 2,257,122; Sept. 30.
Typewriting-calculating machine. R. Anschütz and F. Schmidt. 2,257,409; Sept. 30.
Ullage rod. O. Watson. 2,257,357; Sept. 30.
Upholstery spring construction. W. W. Gleason. 2,257,375; Sept. 30.
Urea derivatives, Manufacture and purification of. J. F. Olin. 2,257,717; Sept. 30.
Vacuum breaker. W. E. Sloan. 2,257,199; Sept. 30.
Vacuum cleaner. J. L. Ray. 2,257,574; Sept. 30.
Valve: *See*—
Automatic diverting valve. Pressure reducing and regulating valve.
Control valve. Slush pump valve.
Flush tank valve.
Motor operated valve.
Valve and operating mechanism, Outlet. V. Willoughby. 2,257,212; Sept. 30.
Vegetable display case. R. H. Starr, C. Masters, and J. D. Hall. 2,257,247; Sept. 30.
Vehicle body construction. E. R. Barrett. 2,257,365; Sept. 30.
Vehicle jack. W. Behm and E. J. McClellan, Jr. 2,257,324; Sept. 30.
Vehicle washer. F. B. Yingling. 2,257,255; Sept. 30.
Vent protector for air brake pressure retaining valves. E. A. Frey. 2,257,231; Sept. 30.
"Vinyon" and "Vinyon" combined with other fibers, Treating. A. H. and F. Weiswasser. 2,257,519; Sept. 30.
Viscous to gummy olefin polymers nonadherent, Rendering. F. B. Gerhardt and J. V. Sommer. 2,257,167; Sept. 30.
Visor extension, Sun. W. W. Lininger. 2,257,612; Sept. 30.
Vitamin D_2 double compounds. O. Linsert. 2,257,176; Sept. 30.
Wall construction. D. D. Crandell and J. J. Ryan. 2,257,712; Sept. 30.
Wardrobe case section closure flap. J. Ritter, Jr. 2,257,620; Sept. 30.
Washer: *See*—
Vehicle washer.
Washing apparatus. F. A. Walker. 2,257,436; Sept. 30.
Washing machine, Carpet. J. S. Thompson. 2,257,205; Sept. 30.
Water closet bowl. V. A. Hoffmann. 2,257,500; Sept. 30.
Water closet construction. W. E. Sloan. 2,257,134-5; Sept. 30.
Water-containing lubricant for composition bearings. R. C. Williams. 2,257,359; Sept. 30.
Water heater. H. D. Dufault. 2,257,720; Sept. 30.
Water heater, Storage. J. G. Keegan. 2,257,385; Sept. 30.
Water-repellent process. H. A. Bruson and L. H. Bock. 2,257,088; Sept. 30.
Well control device. C. A. Combs. 2,257,523; Sept. 30.
Well pipe support. C. A. Lundeen. 2,257,120; Sept. 30.
Wells, Sub-casing-head take-off for. W. H. Brenot. 2,257,225; Sept. 30.
Wetting agent useful for alkaline mercerizing solutions. F. Münz and O. Trösken. 2,257,183; Sept. 30.
Wetting and frothing agents and product thereof, Preparing. F. Pollak. 2,257,481; Sept. 30.
Wheel: *See*—
Nontilting fifth wheel.
Wheel attachment, Vehicle. S. T. Toby. 2,257,543; Sept. 30.
Wheel structure. J. L. Hecht. 2,257,237; Sept. 30.
Wheel structure. J. L. Hecht. 2,257,684; Sept. 30.
Winch. J. Morgan. 2,257,476; Sept. 30.
Winding and unwinding apparatus. H. H. Klemola. 2,257,172; Sept. 30.
Winding machine. C. D. Reynolds and H. A. Moe. 2,257,651; Sept. 30.
Window cleaner or washer. A. D. McDonell. 2,257,391; Sept. 30.
Window construction. E. Peremi and L. Toth. 2,257,123; Sept. 30.
Window construction. E. Peremi and L. Toth. 2,257,703; Sept. 30.
Windshield wiper arm. H. G. Kellogg. 2,257,692; Sept. 30.
Windshield wiper motor. D. S. Renwick. 2,257,534; Sept. 30.
Wire drawing mechanism. R. C. Pierce. 2,257,644; Sept. 30.
Wire holding apparatus. R. C. Pierce. 2,257,645; Sept. 30.
Wire spring. S. S. Bernstein. 2,257,367; Sept. 30.
Work support for riveting and similar machines. A. R. Havener. 2,257,379; Sept. 30.
Worm press for the manufacture of alimentary pastes. E. Lihotzky. 2,257,695; Sept. 30.
Wrapping machine, Candy. G. G. Goodwyn. 2,257,463; Sept. 30.
Wrench. J. G. Gavlak. 2,257,460; Sept. 30.
Wringer mechanism. W. L. Kauffman, II. 2,257,690; Sept. 30.
X-member. E. Almdale. 2,257,666; Sept. 30.
Yarn delivery arrangement for creels. F. B. Javery and R. C. Longvall. 2,257,382; Sept. 30.

CLASSIFICATION OF PATENTS

ISSUED SEPTEMBER 30, 1941

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

1—	32: 2,257,275	34—	50: 2,257,487	74—	484: 2,257,632	103—	207: 2,257,660	146—	3: 2,257,430	188—	88: Re.21,908
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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Total	1,120	

Erratum

Page 404 of the Official Gazette of August 12, 1941, second column, Patent No. 2,252,395, in the claim, line 5 thereof, strike out the words "means and the cutter for automatically adjust-" and insert instead the syllable and words *ing an insulator having a socket, and a metal.*

Reservation Clauses Not Permitted

Rule 44. A reservation for a future application of subject-matter disclosed but not claimed in a pending application will not be permitted in the pending application.

Disclaimers

1,548,465.—*James P. Henry*, Dayton, Ohio. Process for the Reproduction of Wood Grains. Patent dated August 4, 1925. Disclaimer filed August 8, 1941, by the assignee, *Oxford Varnish Corporation.*

Hereby enters a disclaimer to claims 1, 2, and 5 of said patent.

1,807,894.—*Lloyd V. Casto* and *George E. Lang*, Detroit, Mich. Surface Decorating Machine, Apparatus and Method. Patent dated June 2, 1931. Disclaimer filed August 8, 1941, by the assignee, *Oxford Varnish Corporation.*

Hereby enters a disclaimer to claims 13, 23, 25, 27, and 28 of said patent.

1,900,030.—*Guido von Webern* and *Edward W. Hamant*, Dayton, Ohio. Surface Decorating Machine. Patent dated March 7, 1933. Disclaimer filed August 8, 1941, by the assignee, *Oxford Varnish Corporation.*

Hereby enters a disclaimer to claims 7 and 8 of said patent.

1,946,483.—*Lloyd V. Casto*, Detroit, Mich., and *Guido von Webern*, Dayton, Ohio. Surface Decorating Method and Apparatus. Patent dated February 13, 1934. Disclaimer filed August 8, 1941, by the assignee, *Oxford Varnish Corporation.*

Hereby enters a disclaimer to claims 1 and 4 of said patent.

2,150,167.—*Otis Hutchins*, Niagara Falls, N. Y., and *John Robert McFarlin*, Philadelphia, Pa. Current Control and Discharge of Transient Overvoltages. Patent dated March 14, 1939. Disclaimer filed July 30, 1921, by the assignee, *Electric Service Supplies Company.*

Hereby enters this disclaimer to claims 7 and 9 of said Letters Patent.

2,208,953.—*Edward Henry Weber, Jr.*, Toms River, N. J. Noise Reducing Receiving System. Patent dated July 23, 1940. Disclaimer filed August 7, 1941, by the inventor; the assignee, *American Telephone and Telegraph Company*, consenting.

Hereby enters this disclaimer to claims 2, 4, and 7 of said Letters Patent.

2,219,968.—*Benjamin H. Thurman*, Bronxville, N. Y. Process of Refining Vegetable Oils. Patent dated October 29, 1940. Disclaimer filed August 13, 1941, by the assignee, *Refining, Inc.*; the inventor, said *Thurman*, assenting.

Hereby disclaims, as to all claims appearing in said patent, any process wherein a refining agent is not introduced to a body of oil previously placed in a kettle employed in conventional batch practice and wherein the refining reagent is subsequently admixed with the said body of oil by mechanical agitation, in accordance with conventional batch practice as contradistinguished from stream or flow mixing of the oil and reagent.

2,220,350.—*Ellison S. Purington*, Gloucester, Mass. Sound Reproducing System for Musical Instruments. Patent dated November 5, 1940. Disclaimer filed August 12, 1941, by the inventor; the assignee, *John Hays Hammond, Jr.*, consenting.

Hereby enters this disclaimer to claims 1, 2, and 3 of said Letters Patent.

Condition of Applications Under Examination at Close of Business August 16, 1941

(Total number of applications awaiting action, excluding Trade-Mark Division, 44,884; Trade-Mark Division, 1,302. Oldest new case, Nov. 4, 1940; oldest amended, Nov. 6, 1940.)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Jan. 21	Jan. 22	767
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Apr. 7	Mar. 20	502
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	June 9	June 5	444
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating, Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	Apr. 28	Apr. 16	611
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Apr. 9	Apr. 3	443
4898 C	6. LEWERS, A. M., Carbon Chemistry (part)	Jan. 22	Feb. 1	1162
5725	7. JARBOE, C. G., Optics; Photography	Feb. 24	Mar. 6	977
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	Mar. 3	Mar. 4	855
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Mar. 14	Mar. 14	595
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Mar. 17	Mar. 20	590
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Apr. 10	Apr. 11	397
7701	12. SPINTMAN, SAMUEL, (Act.), Machine Elements; Mechanical Starters; Stop Mechanisms	Mar. 19	Mar. 29	618
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Jan. 22	Feb. 11	571
5097	14. FREEHOF, H. B., (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Apr. 17	Apr. 12	564
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Feb. 20	Feb. 28	1143
5716	16. SPENCER, C. J., Telegraphy; Telephony	Apr. 5	Mar. 13	518
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Apr. 7	Apr. 21	660
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Mar. 6	Mar. 5	426
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Mar. 14	Mar. 29	768
5605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Mar. 1	Mar. 13	473
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	May 8	May 10	335
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	Nov. 20	Nov. 20	1588
7624	23. BUTTNER, W. J., Registers (part)	Nov. 16	Nov. 22	261
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5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	Mar. 22	Mar. 17	530
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Elements; Cylinders and Pistons	Feb. 28	Mar. 12	411
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	Feb. 24	Feb. 25	759
4083	30. McCANN, L. P., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination: Thermostats and Humidostats.	Apr. 18	Apr. 18	477
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Mar. 3	Mar. 3	1408
4096	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Mar. 11	Mar. 12	918
6096	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads.	Mar. 19	Mar. 15	1090
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Surface Track; Track Sanders; Draft Appliances; Signals and Indicators.	Jan. 22	Jan. 21	548
3876	35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Portable Receptacles	Feb. 14	Feb. 14	1013
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Mar. 5	Mar. 15	539
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Apr. 4	Apr. 8	576
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Nov. 4	Nov. 6	1331
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Apr. 22	Apr. 30	486
7890	40. DRUMMOND, E. J., Metallic, Wood, Paper, and Special Receptacles	Feb. 1	Feb. 1	1773
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Mar. 17	Mar. 18	531
5882	42. CUTTING, H. O., Electric Signaling	Apr. 28	Apr. 16	337
4886 B	43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Feb. 18	Feb. 27	648
4087 B	44. HARVEY, L. P., Refrigeration	Feb. 10	Jan. 25	622
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	May 10	Apr. 8	377
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Mar. 7	Mar. 11	800
6082	47. KANOF, W. J., Clutches; Brakes	Apr. 7	Mar. 19	397
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Apr. 15	Apr. 15	556
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Feb. 14	Feb. 17	772
4701	50. LEVIN, S., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	Feb. 24	Feb. 24	1222
5628	51. BACKUS, C. D., Radiant Energy (part)	May 20	May 16	477
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Apr. 3	Apr. 15	633
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Jan. 25	Jan. 25	781
5883	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Apr. 4	Apr. 22	362
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Apr. 1	Apr. 12	360
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	Jan. 16	Jan. 22	1204
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	Jan. 27	May 1	170
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Mar. 17	Mar. 1	526
4709	59. SHEPPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	Feb. 13	Feb. 18	1056
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Apr. 15	May 8	389
6724	61. YUNG KWAI, B., Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	May 15	Apr. 26	377
5621	62. PUGH, E. C., Games; Geometrical Instruments	Apr. 3	Apr. 5	597
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	Feb. 1	Feb. 10	1155
4708	64. NASH, P. M., Acetylene; Distillation; Gas; Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	May 12	May 12	617
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	May 22	May 22	397
2099 B	Trade-Marks: F. A. RICHMOND	July 5	July 19	1,302
2605	Designs: H. H. KALUPY	July 16	July 22	578

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

WIRSHING ET AL. *v.* PINE ET AL.

No. 4,437. Decided April 14, 1941

[118 F.(2d) 916]

1. INTERFERENCE—REDUCTION TO PRACTICE—CORROBORATORY TESTIMONY.

Where W and C, jointly the junior party, each made reports of their work with an electroplating bath, to which reports their witness P paid strict attention, but there is no testimony which corroborates W and C as to the material used in the bath and the actual plating of the exhibits in controversy in that bath, *Held* that reduction to practice was not established.

2. SAME—SAME—CONDUCT AS NEGATIVING.

"In deciding whether or not an actual reduction to practice was made and the invention fully completed and its utility determined, it is often proper to look to the subsequent conduct of the interested parties."

3. SAME—ABANDONED EXPERIMENT—CONDUCT AS SUGGESTING.

Where W and C allegedly experimented with an addition material as an anti-pitter in an electroplating bath, but were thereafter inactive until it was learned from the assignee of W and M that the same material was one of the ingredients used in an electroplating bath installed and put in operation by said assignee, *Held* that the conduct of W and C emphatically suggests that they had not completed their invention and that their work amounted only to an inconclusive and abandoned experiment.

4. SAME—CONCEALMENT.

The principle akin to the doctrine of equitable estoppel laid down in *Mason* v. *Hepburn*, 13 App. D. C. 86, is never applied where there is no reduction to practice.

5. SAME—PRIORITY.

Record reviewed and *Held* that priority properly was awarded to W and M, the senior party, since W and C, the junior party, did not reduce to practice prior to their own filing date, and concededly were not diligent.

APPEAL from Patent Office. Affirmed.

Mr. John A. Blair (*Mr. John D. Scofield*, and *Messrs. Harness, Dickey and Pierce*) for Wirshing et al.

Mr. Roy F. Steward (*Mr. Mitford C. Massie* and *Mr. Melvin W. Sandmeyer* of counsel) for Pine et al.

BLAND, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office, affirming that of the Examiner of Interferences in awarding to appellees Waite and Martin priority of invention defined by the two counts involved.

The interference, when before the Board, also included a third party, Paul R. Pine, whose assignee was the Harshaw Chemical Company of Cleveland, Ohio, but who, after receiving an adverse decision from the Board, took no appeal to this court. The interference before us involves the application of Waite and Martin (whose assignee is the McGean Chemical Company, also of Cleveland), filed April 27, 1935, and an application of the junior party Wirshing and Clifton, filed October 28, 1935, the application being assigned to the General Motors Corporation of Detroit, Mich., which company in turn assigned to the Udylite Corporation, also of Detroit.

The invention involves the addition of a sulphate of lauryl alcohol (as expressed in count 1), or a sulphuric ester of a wider range of alcohols (as set forth in count 2), to a conventional acid plating bath. Nickel plating could be done in the acid bath without the addition of such an agent, but the resulting product frequently was defective in that it was pitted. The invention here is concerned solely with the problem of preventing pitting. At the time appellants entered the field, hydrogen peroxide was used as an anti-pitting agent in dull finish nickel baths and was found to be satisfactory in that type of bath. If a brighter finish of the dull nickel plate was required, the plated product was buffed to a state of brightness. Hydrogen peroxide was not satisfactory as an anti-pitter in a bright nickel bath since it had an oxidyzing effect on the organic materials used as brightening agents.

The counts follow:

1. An electrodepositing bath comprising an aqueous acid solution of a compound of nickel, in which solution the solvent is preponderantly water, and a minor amount of a sulphate of lauryl alcohol.

2. In the art of electroplating, the process which comprises electrodepositing nickel from a plating solution containing a compound thereof in association with an addition agent comprising a sulphuric ester of a normal primary aliphatic alcohol having from eight to eighteen carbon atoms in the molecule.

It is obvious that the counts are broad enough to include the use of the additional chemical in both dull and bright plating.

Wirshing and Clifton, being the junior party, were required to show by a preponderance of the evidence that they were the first inventors and in an effort to do so took the testimony of a number of witnesses. The record consists of 775 pages, the greater portion of which is testimony. The substance of the evidence of appellants will be stated here as briefly as circumstances would seem to require.

Appellants base their claim of priority upon their alleged proof of actual reduction to practice in January and February, 1934. It is conceded that if they did not reduce to practice at the time alleged, they have shown no diligence at any time prior to the filing of their application as aforesaid. In view of our conclusion, the only question necessary for us to consider is whether or not the January and February, 1934, activities of the junior party amounted to a complete reduction to practice.

[1] Appellants both testified at some length. They stated that they began experimenting with Gardinol—an addition material responding to the counts manufactured by E. I. Du Pont de Nemours & Company, Inc.—to see if it acted as a good

cleaner or brightener, and that they discovered that it had certain anti-pitting properties. In conformity with the usual practice of General Motors, accurate reports were made by each of the appellants as to the work done, the materials used, and the character of the resultant product. These reports show that some of the products which appellants made in conformity with the counts were free from pits. Appellants tested the same only by looking at the articles and determining that there were no pits present and that there was no scaling or separation of the plate from the material plated. No bending or flexing test was given the product to determine its brittleness or ductility.

The record shows that these reports came under the constant observation of one William M. Phillips, who was "an executive engineer, consultant for General Motors on matters of plating and finish," and whose office was adjacent the laboratory in which appellants made their experimentations; that Phillips was in constant touch with the experiments and during the experimentation paid strict attention to the reports and had frequent conferences with the appellants. Phillips testified that some of the resulting products made in accordance with the reports were satisfactory. There is no showing, however, that Phillips at any time observed the mixing of the bath or the actual plating of the materials. Obviously, he depended upon the accuracy of the reports as to the materials used and the steps taken.

C. F. Nixon, assistant chief engineer of the Ternstedt Manufacturing Division of the General Motors Corporation in Detroit, Mich., testified for the junior party that he had charge from the technical angle of the plating work of his company. The record shows that a plating bath was furnished by the Ternstedt Company to appellants while working for General Motors with the view of experimenting thereon in an attempt to cure defects in the bath which were resulting in badly pitted articles. The record shows that they used Gardinol in this bath without success, and Nixon so testified. He, however, gave it as his opinion that one of the plates said to be produced by appellants in one of the said experiments (not with the said Ternstedt bath) in the early part of 1934 was satisfactory from a pitting standpoint.

We have examined the testimony of each of appellant's witnesses with great care and we find that there is no testimony in the record (except as to the Ternstedt bath) which corroborates appellants as to the material used in the bath and the actual plating of the exhibits in controversy in that bath.

The fact that Phillips or others may have testified to the quality of the plated exhibits which the reports show were made in accordance with the counts is not sufficient corroboration under the circumstances. *Collins* v. *Olsen*, 26 C. C. P. A. (Patents) 1017, 102 F.(2d) 828, 503 O. G. 3. The reports must necessarily, under the circumstances at bar, be self-serving in character.

[2] [3] In deciding whether or not an actual reduction to practice was made and the invention fully completed and its utility determined, it is often proper to look to the subsequent conduct of the interested parties. Evidently believing that Gardinol was no better anti-pitter in dull plating than hydrogen peroxide which they were then using, and knowing of no other use for it or market for its sale (bright plating not being in mind), nothing further was done after the failure encountered in connection with the Ternstedt bath. No activity took place from that time on until Phillips learned from those connected with the assignee of Waite and Martin that Gardinol was one of the ingredients used in the electroplating bath which appellees' assignee had installed and put in operation at the Chevrolet Flint plant of General Motors. The facts of record showing the conduct of appellants subsequent to their January and February, 1934, efforts would seem to emphatically suggest that they had not completed their invention and that their work amounted only to an inconclusive and abandoned experiment.

The Examiner of Interferences in part said (reference numerals omitted):

> The picture presented as to Wirshing and Clifton broadly appears to be that in January, 1934, after they, at the request of the Du Pont Company, tried fruitlessly to find a use for Gardinol WA as a metal cleaner, they discovered in the laboratory that under certain conditions Gardinol WA eliminated or reduced pitting in an acid nickel plating bath; that in February, 1934, they added Gardinol WA to a 550-gallon tank of badly pitted solution at the Ternstedt Company but were unable to eliminate the pitting; that thereafter they dropped activity on the invention until early October, 1935, when upon learning from the McGean Company that Gardinol WA was one of the ingredients of McGean baths in use at the General Motors plant they proceeded to prepare and file their involved application on the basis of their work in January and February of 1934.
>
> These circumstances are considered to set forth either concealment of the invention or abandoned experiment depending on whether the early 1934 experiments constituted a reduction to practice or merely conception of the invention. The fact that work was dropped by Wirshing and Clifton on Gardinol WA after February, 1934, until the date of filing, October 28, 1935, is an indication that Gardinol WA was not considered a sufficiently satisfactory addition agent. Phillips' testimony lends support to this viewpoint. On the basis of these facts the conclusion is deemed warranted that the experiments of January and February, 1934, were not sufficient to establish reduction to practice but did establish conception of the invention by Wirshing and Clifton. * * *

The Board of Appeals said:

> The Examiner, in considering the record as to Wirshing and Clifton, held the early tests in February of 1934, not a satisfactory reduction to practice. He held, however, that, independently of the holding as to such tests, the long delay in filing the application brings the facts under the doctrine of *Mason* v. *Hepburn*, as Wirshing and Clifton concede being stirred into activity by their opponents. At the time of the tests in January and February, 1934, the party Wirshing and Clifton were attempting to cure pitting in a metal plating bath and in order to be sure of the effect in the test in February, 1934, they added other elements to the bath which would accentuate pitting. Furthermore, they made use of samples from commercial baths in which pitting took place to an excessive degree. As a result of some tests, however, the test solution was thrown away and the record is not very convincing that these tests would be considered a satisfactory reduction to practice. Nor can we excuse the delay of twenty-one months in filing the application because of the size of the General Motors Corporation and the fact that the corporation was not using bright nickel baths during 1934. Such bright nickel baths were only used in 1935.

Appellees, in this court, present that which appellants state is a contention not previously made. The contention is to the effect that, irrespective of any view that may be taken of the testimony of the inventors or of the alleged corroborating witnesses, the record fails to show that appellants completed the invention by making proper tests and that a proper and necessary test which must be applied to nickel plating in order to determine its utility is to give it the test of bending. In this manner the ductility of the nickel plating will be ascertained which will determine the probability of cracking or peeling.

We would be reluctant to consider this question if presented here for the first time, but, in view of our conclusion that irrespective of this fact there is no corroboration which sustains a finding of reduction to practice during the critical period, it becomes unnecessary to pass upon the question.

[4] Nor is it necessary here to consider the question of the applicability of the principle akin to the doctrine of equitable estoppel laid down in *Mason* v. *Hepburn*, 13 App. D. C. 86, 84 O. G. 147, because the principle is never applied where there is no reduction to practice.

Reverting to the question of the sufficiency of the corroborative proof, appellants urge that since Phillips testified that some of the plates produced were satisfactory, and since he not only kept

> "in very close touch with the Wirshing and Clifton experiments but he made almost daily inspections of the product and checked his own opinion of the condition of the product with Clifton's laboratory notes,"

and since the products are available and are in court, it should not be held that the testimony of the inventors has not been corroborated.

As before stated, there is nothing to show that Phillips' knowledge is not entirely confined to what the appellants said to him verbally or in their reports. Both of these circumstances might be regarded as evidence of conception, but certainly cannot be regarded as corroborative evidence of reduction to practice. In *Collins* v. *Olsen*, supra, the facts relating to the question of corroboration of reduction to practice were quite similar to those at bar. Reports of the work which Olsen had done at the Battle Creek, Mich., laboratories were sent to New York for approval. The reported work done by Olsen was approved and the value of the reported invention was determined by Olsen's superior. It was also shown that during a portion of the time Olsen's immediate superior was in the laboratory with him. The record, however, failed to disclose a corroboration of what Olsen had actually done, but was a corroboration only of the satisfactory results obtained upon Olsen's statement (self-serving of course) of how he had performed the test. We held there, citing many authorities, as we hold here, that while the evidence would be good for conception, it is self-serving on the question of reduction to practice. We think the holding in the *Collins* v. *Olsen* case points unmistakably to the correctness of our conclusion herein reached.

[5] Appellants having failed to prove that they at any time reduced said invention of the counts to practice prior to their filing date, which was subsequent to the filing date of the appellees, and having conceded that there was no diligence after February, 1934, until they filed their application, it follows that priority of the invention was properly awarded by the concurring decisions of the tribunals below to the appellees, and the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE RAILLEY CORPORATION

No. 4,524. Decided May 5, 1941

[119 F.(2d) 595]

APPEAL—FROM DECISION BY COMMISSIONER ON PETITION

Where the Commissioner in two decisions upon an appeal taken by the R. Corp. affirmed the decision of the Examiner of Trade-Marks and held that said corporation was estopped to register the mark "Pin-It-Up" used on electric lamps under the Trade-Mark Act of February 20, 1905, by reason of its ownership of the registration of the same mark under the act of March 19, 1920, and the R. Corp. took no appeal from either decision, but before the Examiner of Trade-Marks sought to disclaim the said registration, and the Examiner finally refused to enter the disclaimer, maintained the holding of estoppel, and ruled in effect that disclaimer and cancellation would not remove the bar of estoppel, and the R. Corp. unsuccessfully prosecuted a petition to the Commissioner by which it sought a review and reversal of the ruling of the Examiner, *Held* that the said petition to the Commissioner cannot be regarded as a valid appeal from the decision of the Examiner such as is provided for by section 8 of the Trade-Mark Act of 1905 and rule 61 of the Patent Office, and that any action taken thereon by the Commissioner is not such a decision as is provided for in section 9 of the Trade-Mark Act of 1905 from which decision appeal may be taken to the Court of Customs and Patent Appeals.

APPEAL from the Patent Office. Dismissed.

Mr. William E. Chilton and *Messrs. Hull, West & Chilton* (*Mr. Geo. E. Tew* of counsel) for Railley Corp.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

BLAND, *J.*:

The mark sought to be registered in this proceeding is "Pin-It-Up" used on electric lamps.

On November 14, 1933, Linfitt-Hunter-Ward, Inc., of Cleveland, Ohio, filed application in the United States Patent Office to register said mark for electric lighting fixture units consisting of complete wall lamps for house lighting. It appears from the record that registration under the Trade-Mark Act of February 20, 1905, was refused on the ground that the mark was descriptive, whereupon the mark was registered under the act of March 19, 1920, registration No. 313,519. In the application it was stated that the trade-mark had been used in the applicant's business since on or about February 1933, and that "The mark has been in bona-fide use for not less than one year in interstate commerce by the applicant."

On July 23, 1934, Linfitt-Hunter-Ward, Inc., executed an assignment of this trade-mark registration certificate to the Railley Corporation, appellant herein.

On June 10, 1936, appellant filed its application to register said mark under the Trade-Mark Act of

February 20, 1905, and in its application stated that it had continuously used and applied the mark to its goods since about April 1933. There was also recited the fact that appellant was the owner of the aforesaid certificate of registration No. 313,519.

The Examiner of Trade-Marks refused to register said mark under the 1905 act on two grounds; First, that the mark was descriptive of the goods to which it was applied; and second,

"on the further ground that such prior registration under the 1920 act [No. 313,519] estops applicant from now obtaining registration under the 1905 act."

Appellant then appealed to the Commissioner of Patents who, on August 4, 1939, affirmed the decision of the Examiner of Trade-Marks, on the ground that appellant was estopped to register the mark under the 1905 act by reason of its ownership of the said 1920 registration. He also held that appellant's assignor, by registering under the act of 1920, had admitted the descriptive character of its mark, and that the question of descriptiveness was no longer open to argument.

Appellant then petitioned for reconsideration, stating:

Applicant now has two courses of action to pursue, namely: either to appeal to the United States Court of Customs and Patent Appeals or to cancel or disclaim the registration under the 1920 act and go back to the Examiner of Trade-Marks.

If applicant should elect to cancel or disclaim the registration under the 1920 act, the case would be returned to the Examiner of Trade-Marks, who would no doubt adhere to his original decision that the mark is descriptive and not registrable under the 1905 act; in which event a second appeal to the Commissioner would be necessary. * * * On the other hand, should the Assistant Commissioner disagree with the Examiner of Trade-Marks in holding the mark to be descriptive, then in that event applicant could cancel or disclaim the registration under the 1920 act, and the trade-mark could be registered, as such a decision of the Assistant Commissioner would be binding upon the Examiner of Trade-Marks. It seems unfair and illogical to require applicant to cancel or disclaim its 1920 registration on a chance that it might obtain a registration under the 1905 act.

The Commissioner, upon reconsideration, wrote a supplementary decision on August 21, 1939, in which he disapproved of the Examiner's rejection on the ground that the mark was descriptive but affirmed his refusal to register on the ground of estoppel "for the reasons stated in my former decision." The Commissioner said:

Counsel for applicant thus seems to assume that the cancellation of applicant's 1920 registration would insure allowance of the present application were the mark held to be nondescriptive. That is a point upon which I expressly reserve judgment, leaving its solution in the first instance to the Examiner of Trade-Marks.

It is my opinion, however, that applicant's mark, while highly suggestive, is not objectionably descriptive of the goods to which it is applied; and the Examiner's refusal to register on that ground is disapproved. His refusal to register on the ground of estoppel stands affirmed for the reasons stated in my former decision.

To the extent indicated the petition is granted.

No appeal was taken from the decision of the Commissioner of August 4, 1939, or that of August 21, 1939, but before the Examiner of Trade-Marks the appellant sought to disclaim

"its entire right, title and interest in and to registration certificate No. 313,519, registered in the name of Linfitt-Hunter-Ward, Inc., under the act of March 19, 1920, without however disclaiming its ownership of the trade-mark "Pin-It-Up" or its right to register such trade mark under the Trade-Mark Act of February 20, 1905, as amended."

In addition, it filed a petition to cancel said registration certificate No. 313,519. There were also submitted affidavits to the effect that the trade-mark was no longer the property or used by Linfitt-Hunter-Ward, Inc., and also that the mark was not used for one year, which is required by the statute in order for the mark to be registrable under the act of 1920. Additional affidavits were later filed showing that said certificate No. 313,519

"was not assigned to the Railley Corporation until July 23, 1934, whereas the Railley Corporation's use of the trade-mark began in April 1933."

The Examiner of Trade-Marks refused to enter the disclaimer and again stated that the applicant was estopped from registering its mark under the act of 1905 by reason of the registration of the trade-mark by its predecessor under the 1920 act and that "This question is res adjudicata in view of the decision of the Assistant Commissioner of Patents rendered herein on August 21, 1939." In his final action on the case he adhered to his rejection for the reason last-above stated and said that the decision of the Commissioner of Patents on reconsideration, August 21, 1939, was "no holding that the mark might be registered if the prior registration were canceled."

Appellant thereupon filed a paper entitled "Petition to the Commissioner, July 31, 1940" in which it was argued that

"This applicant is claiming no benefit or advantage by reason of such registration [313,519] and in fact disclaims the registration and should, therefore, not be held to be estopped to deny the descriptiveness of the trade-mark, especially since the Assistant Commissioner has held that the trade-mark is not objectionably descriptive."

The Commissioner, in a decision dated September 5, 1940, stated that:

The Examiner has held in effect that such disclaimer and cancelation would not remove the bar of estoppel upon which the instant application stands rejected, and by this petition applicant seeks a review and reversal of that ruling.

The Commissioner quoted from both his prior decisions and concluded as follows:

The action of the Examiner is affirmed. The petition is denied.

On October 17, 1940, appellant filed its notice of appeal to this court.

The Solicitor for the Patent Office raises the question as to whether or not this court has jurisdiction to entertain the instant appeal and argues that the last decision of the Commissioner is not the kind of decision from which an appeal may be taken. He points out that on appeal from a decision of the Examiner of Trade-Marks there should have been filed a notice of appeal to the Commissioner, and argues in effect that following such notice of appeal a statement by the Examiner is ordinarily made to the Commissioner. In the instant case no such statement was made except when applicant originally appealed from the Examiner's decision on December 1, 1938. The Solicitor makes a distinction between petitions and appeals and argues, in substance, that since there is nothing in the petition or in the decision of the Commissioner thereon to indicate that it should be treated as an appeal, and since there was no statement called for, as far as the record shows, the petition to the Commissioner should not be regarded as an appeal to him.

Upon this premise it is argued that the petition filed with the Commissioner called upon him to exercise his discretionary power only and that, like many other rulings of the Commissioner upon petition, no appeal to this court has been provided for. The Solicitor, for the foregoing reasons, challenges the jurisdiction of this court to review the decision of the Commissioner in passing upon said petition.

We quote the following from the petition:

Applicant hereby petitions the Commissioner for a review of the final refusal of the Examiner of Trade-Marks to pass this application for publication.

* * * * * * *

[Reasons are here given why the Commissioner should take such action as is prayed for.]

The petition concludes:

It is respectfully requested that this petition be transmitted to the Commissioner for consideration.

The decision of the Commissioner from which this alleged appeal is taken is headed:

Commissioner's Decision, September 5, 1940

In it, the Commissioner briefly reviews the history of the case and approves the action of the Examiner in holding that the disclaimer and cancellation of the 1920 trade-mark would not remove the bar of estoppel. The decision concludes with the following language:

The action of the Examiner is affirmed. The petition is denied.

It will be noticed that the Commissioner's decision of August 4 affirmed that of the Examiner holding that the appellant was estopped from registering its mark under the act of 1905, and that the question of the descriptiveness of the mark was no longer open for argument on account of the admission made by the registration under the act of 1920. The Commissioner, in considering the petition for reconsideration, which in part was granted, adhered to his views regarding estoppel but expressly found that the mark, while highly suggestive, was not objectionably descriptive.

Unquestionably, the appellant could have appealed from the Commissioner's decision of August 4 or that of August 21. The present appeal was taken on October 17, 1940, which is, obviously, too late to bring in question either of the Commissioner's decisions of August 4 or August 21. Appellant apparently abandoned his right of appeal after the Commissioner's decision of August 21, and sought by a petition, which is not in the nature of an appeal, to have the Commissioner exercise his discretionary authority in directing the Examiner to do a certain thing.

The said petition to the Commissioner cannot be regarded as a valid appeal from the decision of the Examiner such as is provided for by section 8 of the Trade-Mark Act of 1905 and rule 61 of the "Rules Governing the Registration of Trade-Marks" of the United States Patent Office. Any action taken thereon by the Commissioner is not such a decision as is provided for in section 9 of the Trade-Mark Act of 1905 from which decision appeal may be taken to this court.

Under the law relating to, and the rules of, the Patent Office, there are many decisions rendered by the Commissioner in patent and trade-mark matters from which no appeal may be taken to this court, and the alleged appeal at bar, we think, falls within that category. Said section 9 of the Trade-Mark Act of 1905 provides that matters relating to appeals to this court in trade-mark cases shall be governed by the same rules of practice and procedure in every stage of the practice, so far as they may be applicable, as apply in patent matters. There are many decisions relating to patent matters dealing with the subject of what kind of decisions of the Commissioner are appealable, but we have found very little in any of the authorities relating to the same subject in trade-mark matters. It is settled, however, that a decision by the Commissioner refusing to renew the registration of a trade-mark (*In re Standard Oil Company*, 39 App. D. C. 491, 188 O. G. 811), or his decision relating to a registration under the Trade-Mark Act of March 19, 1920 (*United States Compression Inner Tube Co.* v. *Climax Rubber Co.*, 53 App. D. C. 370, 290 Fed. 345, 312 O. G. 400), are not appealable decisions. This court in *In re Mavrogenis*, 19 C. C. P. A. (Patents) 1063, 57 F.(2d) 361, 421 O. G. 547, in holding that an appeal did not lie to this court in a decision relative to reviving an abandoned application said:

We think the right to revive an abandoned application under section 4894, supra [4894 Rev. Stat., 35 U. S. C. A. 37], is a matter that is left to the discretion of the Commissioner of Patents, and that his action, even though arbitrary and capricious, is not reviewable by this court. Not only does the quoted language used and the context of all the patent laws suggest that this was the legislative intent, but the failure of the Congress to expressly provide for appeals from the decision of the Commissioner of Patents to this court indicates that this question and others of equal importance were left to the sound discretion of the Commissioner.

In *In re Slate*, 27 C. C. P. A. (Patents) 810, 108 F.(2d) 268, 515 O. G. 560, the appellant filed with the Commissioner of Patents a supplemental notice of appeal questioning the action of the Patent Office in refusing to consider certain new claims. This court held that the decision of the Commissioner relating to the admission of additional claims was not one which we, by the statute, were authorized to review.

There is nothing in the decision of the Commissioner of September 5 from which the instant alleged appeal is taken, that indicates that the Commissioner regarded the petition acted upon as an appeal authorized by the statute and the rules of the Patent Office, and we think the action taken by the Commissioner was such as he ordinarily exercises under his discretionary power from which no appeal lies to this court.

The alleged appeal of appellant is dismissed.

Dismissed.

U. S. Court of Customs and Patent Appeals

VAN CLEEF *v.* TIERNEY

No. 4,408. Decided April 14, 1941

[118 F.(2d) 911]

1. INTERFERENCE—REDUCTION TO PRACTICE—SUFFICIENCY OF TESTS.

Where it was shown that the party T made a pressure sensitive adhesive tape having a backing of rubber hydrohalide and gave the tape "an adhesion test," but it was not shown that that tape was tried for packaging, masking, insulating, book-binding, or any of the other purposes defined in T's application, or for any other purpose showing utility, *Held* that reduction to practice had not been established.

2. SAME—ABANDONED EXPERIMENT—LONG DELAY IN FILING APPLICATION.

T's long delay in filing his application coupled with the fact that it was not filed until after T had examined his opponent's patent *Held* strongly to indicate that the work relied upon by T for reduction to practice was an abandoned experiment.

3. SAME—PRIORITY.

Evidence reviewed and *Held* that T had not proved his case beyond a reasonable doubt, that the testimony in his behalf was not convincing that the activity relied upon by him for reduction to practice amounted to anything more than an abandoned experiment, and that priority should have been awarded to his opponent, Van C.

APPEAL from Patent Office. Reversed.

Mr. Fred Gerlach and *Mr. Norman H. Gerlach* (*Mr. Charles E. Riordon* of counsel) for Van Cleef.

Mr. Paul Carpenter (*Mr. Robert I. Coulter* and *Mr. Charles S. Grindle* of counsel) for Tierney.

GARRETT, *P. J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming that of the Examiner of Interferences awarding priority to the party Tierney in an interference proceeding instituted between a patent to Van Cleef and an application of Tierney, the subject matter being broadly described as adhesive tape.

Four counts are involved, all being for the article.

As the issue is presented here it is sufficient to quote counts 1 and 3 for illustrative purposes:

Count 1. As a new article of manufacture, a tape comprising a strip of rubber hydrohalide and a coating of pressure sensitive rubber base adhesive on one face of the strip.

Count 3. As a new article of manufacture, a tape comprising a strip of rubber hydrohalide, a bonding coat with rubber therein fixed to one face of the strip, and a coating or film of pressure sensitive rubber base adhesive on the bonding coat.

It may be stated that a fifth count relating to a process was involved below; that Van Cleef was awarded priority as to it by the Examiner of Interferences and that Tierney took no appeal from that decision.

The decision of the Examiner of Interferences embraced the following descriptive matter:

* * * Prior to the invention in issue transparent pressure sensitive adhesive tapes had been on the market in the form of backing strips of transparent paper or regenerated cellulose, coated with a transparent pressure sensitive adhesive. The adhesive generally used appears to have been mainly rubber and resin combined in such proportions as to result in a pressure sensitive adhesive mass, i. e., a mass capable of adhering to the surface of other substances with which it comes in contact without the use of heat or solvents. A primer, comprising rubber and a resin, was also generally used to secure the adhesive coating to the backing so that the adhesive would not peel easily from the backing. The involved invention is directed in substance to a tape of the kind described in which the conventional paper or regenerated cellulose backing is replaced by a backing of rubber hydrohalide which, in this instance, is a transparent rubber hydrochloride manufactured in sheet form under the trade name of "Pliofilm," by which name the material will be referred to herein.

The patent to Van Cleef, No. 2,084,878, was granted June 22, 1937, upon an application filed May 25, 1936. It was assigned to Van Cleef Bros., a copartnership of which the patentee is a member.

The application of Tierney, stated to be assigned to his employer, the Minnesota Mining and Manufacturing Company (hereinafter referred to as the M. & M. Co.) was filed January 3, 1938, more than six months after the issuance of the Van Cleef patent from which the involved counts were copied, and apparently after Tierney had actual notice of the patent.

Under such circumstances, it was incumbent upon Tierney, or his assignee, to establish priority beyond a reasonable doubt.

Both parties took testimony, and the issue was finally resolved into one of whether Tierney had established reduction to practice of the invention on December 28, 1934, which was held, and which is conceded, to be at least six days prior to any date which could be awarded to Van Cleef. That date was awarded Tierney by the tribunals below.

Since this is the sole issue, it is unnecessary to recite or discuss the claims made in the respective preliminary statements, nor is it necessary to set forth a review of the testimony in detail. Its pertinent parts were reviewed by both the tribunals below, the review of the Examiner of Interferences being quite elaborate.

We agree with the tribunals below that the evidence establishes the production of tape made on December 28, 1934, at the M. & M. Co. plant under Tierney's direction and that outwardly it conformed in texture and appearance with the tape described in the counts. A sample of the tape so produced was introduced in evidence as Tierney's Exhibit U and is a part of the record before us. It appears to have been made on a machine which the company used regularly in the manufacture of Cellophane tape, a product which it was marketing. Incidentally, it may be said that Van Cleef in making the invention appears to have been seeking a product to be marketed, in part at least, in competition with the Cellophane tape.

Appellant's reasons of appeal assign numerous errors, which may be summed up broadly as claiming that the work done by, or under the direction of, Tierney on or about December 28, 1934, amounted to no more than "an abandoned or unsatisfactory experiment," and did not constitute a reduction to practice.

We are in agreement with the contention of appellant to the effect that under the facts and circumstances appearing in this case the testimony relating to Tierney's claimed reduction to practice must be carefully scrutinized and that any reasonable doubt as to the fact must be resolved against him.

The testimony on Tierney's behalf consisted of his own statements and those of his associate employees of the M. & M. Company. It is not disputed that after the tape was produced in December, 1928, the sample was laid aside without being put to any of the uses for which it was designed.

In Tierney's specification it is said:

With respect to the characteristics of adhesive tapes or sheet material, made according to this invention, reference is particularly made to materials for use as: a removable and re-usable adhesive tape, surgical tape, transparent surgical tape, frost shield tape, transparent packaging tape, masking tape, ceramic tape, electrical insulating tape, can sealing tape, tape to replace viscose coverings on bottles, book-binding tape, repair tape, and in general may be applied to any analogous purpose to which a protective wrapping, covering, or splicing might apply.

[1] There is no evidence that the article produced December 28, 1934, was given any test except one which a witness defined as "an adhesion test." It was not shown to have been tried for packaging, masking, insulating book-binding, or any of the other purposes defined in Tierney's specification, or for any other purpose showing utility. There is some evidence indicating that samples made subsequent to the filing date of Van Cleef were tested by use. For example, one sample was stated to have been used for sealing the edge of a slip cover can of Crisco, apparently in May, 1937. The critical date for Tierney, however, is December 28, 1934, and in no event could the tests made after Van Cleef's filing date be of aid to Tierney on the matter of reduction to practice.

The Examiner of Interferences (and, following him, the Board) evidently took the view that the making of the article and the adhesion test were sufficient to meet the legal requirements respecting reduction to practice, and it is quite earnestly insisted on behalf of Tierney that the exhibit on file speaks for itself; that it is simple in character and that its

"purpose and efficacy are so obvious, that a complete construction is all that is necessary to show utility to persons skilled in the art,"

various cases being cited in which the principle of res ipsa loquitur has been held applicable.

We feel constrained to differ with the tribunals below and the contentions of Tierney upon this point. In the case of *Hurd* v. *Smith*, 25 C. C. P. A. (Patents) 1137, 97 F.(2d) 147, 496 O. G. 571, in its discussion of the requirements relating to reduction to practice this court said that each question of this character must be determined according to the particular nature of the device involved. In the present instance Tierney sought to produce a tape having various uses from materials, some at least of which were new in the tape making art. Tierney's specification states:

Adhesive tapes heretofore known to me are further subject to the following objections: (1) Limited flexibility, which if flexed beyond that limit results in cracking or breakage of the backing; (2) Susceptibility to tear, the property which is common in the transparent tape now in use generally recognized and well illustrated by "Cellophane" which when once started has no resistance; (3) Susceptibility to puncture, particularly when slight stress is present at any one point; (4) Being affected by changes in humidity and normal temperature conditions, e. g. certain tapes in present use during the winter months are affected by brittleness, causing breakage due to lack of atmospheric moisture, and in the summer, difficulties in trade usage, in addition to the susceptibility of being affected by moisture having a tendency in roll form to telescope and ooze. Telescoping is the tendency of rolled adhesive to displace the center from alignment with the conformity of the roll in its natural shape. Oozing is the tendency of the adhesive to creep out, making the edges of the roll sticky and lessening the value of the tape when it is applied for the purpose intended; (5) Susceptibility of attack by ordinary chemical solvents; (6) A tendency to promote corrosion when used as an electrical insulating tape; (7) Gapping, i. e. the tape, when rolled is subject to humping up at some point and then, upon unwinding by the customer a break occurs, or the adhesive blisters and transfers at this point; (8) Manufacturing difficulties wherein the producer is limited to technical detail in obtaining a fine point of adhesive aggressiveness with each individual run, and further care must be taken in cutting, for the use of a poor knife, i. e. one with a dull or nicked edge, results in breakage when the material is unwound.

From development and use, it may readily be recognized that the provision of an adhesive tape or sheet material, applicable for general purposes as splicing, covering, binding and the like overcoming the above enumerated objections, and with the following objects in view, provides advantages heretofore unattained with like materials now known to the trade.

It is therefore a principal object of my invention to provide an adhesive tape or sheet which retains its desirable characteristics irrespective of abnormal or changing atmospheric conditions.

Other objects of my invention are to provide: a transparent film backing for tape which is impervious to water, and resistant to the stronger acids and alkalies; an adhesive tape possessing transparency, resiliency, and flexibility; an adhesive tape possessing inherent characteristics of toughness and resistance to abnormal stresses; tape backings inducive to extreme thinness of film; an adhesive tape possessing high dielectric strength which gives no corrosion when used as an electrical tape, or for other insulation purposes.

We are of the opinion that Tierney's record, taken as a whole, strongly indicates that the officials of the M. & M. Company did not regard the article produced December 28, 1934, as being a satisfactory tape. The Pliofilm used in its making was run through a coating machine regularly used for coating Cellophane tape. Benzol was used as a solvent for the coating on the Pliofilm and this required oven drying for evaporation. The web was subjected to tension or pull and heated. This, Tierney conceded, resulted in stretching and distorting the backing.

Mr. Henry W. Berg, who in December, 1934, appears to have been "head coater" of the tape making department of the M. & M. Company, testified on direct examination, in part, as follows:

Q. 28. Do you know what Pliofilm is? Is there anything that brings it to your mind?

A. 28. Yes, I do. I know particularly it has a sort of rubber tendency different than regular Cellophane. Rubber Cellophane is of a different texture. This Pliofilm you can stick your finger up underneath it and it will stretch, and it will whiten where your finger shows and it has a rubber tendency.

* * * * * *

Q. 32. Do you have any recollection of how this Pliofilm adhesive tape looked as it was going through the machine when the first run was made?

A. 32. Yes, I do. That is one thing I recollect, because when that left the coating knife, if I am not mistaken, I think it was on a 21 inch width going through the coating knife and that passed through the drying ovens. What we call a double web went down to the end of the oven and back and then made another passage around the roller. That was a 60 yard span, and when it came out of this drying oven it had curled up on the edges so I think the widest part was about 12 inches wide and it stretched out to about 122 yards instead of 60. The tally going into the coating knife registered 60 yards. That is what we call one oven full. From the time it goes into the oven until it comes out it is 60 yards, but we had about 122 yards of tape that was only about from 9 inches to a foot wide.

Q. 33. Did that make a product which had the characteristics of an adhesive tape, or was it something that you just threw away?

A. 33. No. What there was of it I would say was good tape; what we did salvage. I don't want to state how much we did get out of that. I wouldn't say we slit over 6 or 8 inches, that is, on width.

Mr. R. P. Carlton, vice president of the M. & M. Company, in charge of manufacturing, was asked, in substance, on direct examination, if he knew

what his attitude was toward Pliofilm pressure sensitive tape *during the years 1935 and 1936*, and replied, *"I thought it had possibilities."* [Italics ours.] His testimony continued:

Q. 43. Did you think it was of such a nature that it had immediate possibilities for commercial sale?
A. 43. Well, there were some objections to it and that slowed up the activity some. That feature of stretching considerably when you would unwind it from the roll, and it showed a milkiness when you put on some tension. That was considered an objection and it was discussed with Dr. Sebrell of Goodyear on several occasions and we made an attempt to improve the characteristics of the film by controlling the flexibility of the film by using different thicknesses of the film but there was an objection to it for general all around use that wasn't immediately overcome, and I don't know whether it is entirely overcome now.

Mr. John Arthur Borden, sales manager of the M. & M. Company, testified, with respect to a sample of the article, that "there were certain things which weren't quite right"; that it was "very distensible"; that the "backing would stretch too much"; that he believed "the early samples had quite a lot of static in that Pliofilm backing"; that it "was cloudy in appearance; a sort of dark green appearance rather than the crystal clear appearance of Cellophane"; that he "saw a lot of value in the Pliofilm" and "told the Laboratory to keep on experimenting until they got rid of the disadvantages that we saw"; that they were still continuing to experiment at the time his testimony was taken in 1938.

Mr. Frank P. Vogel, who was foreman of the tape making department of the M. & M. Company in December, 1934, testified, with respect to the product resulting from the December, 1934, experiment that "it was somewhat more ragged than tape"; that it had "a lot of stretch and curled up"; that it was "irregular."

Other testimony need not be stated in detail. All the witnesses appear to have been quite frank in their statements, and the tenor of their testimony, as a whole, is such that we are not convinced that the article produced December 28, 1934, amounted to anything more than an abandoned experiment and, hence, may not be properly regarded as a reduction to practice of the invention. We do not overlook the fact that certain of the testimony may be construed as indicating merely that the article was not regarded as being a commercially satisfactory tape, nor do we overlook the rule that there may be a reduction to practice sufficient to meet the requirements of the patent laws without the article being commercially practical; also, we have given due consideration to the opinions expressed by Tierney's witnesses to the effect that the sample was satisfactory. After considering all those matters, however, it is our conclusion that appellee failed to establish the essential elements of his case beyond a reasonable doubt.

[2] A circumstance which, in our opinion (when considered in connection with the testimony), weighs heavily against appellee and strongly indicates that his was an abandoned experiment is the long delay in filing the application for patent coupled with the fact that it was not filed until after Tierney had examined Van Cleef's patent.

The question presented here is primarily one of fact, and it is seldom that any two cases are on all fours as to their facts. So, it is not easy to find authorities altogether analogous, but the cases of *Evans* v. *Richard*, 17 C. C. P. A. (Patents) 653, 36 F.(2d) 287, 391 O. G. 502, and *Severson* v. *Olson*, 20 C. C. P. A. (Patents) 946, 64 F.(2d) 694, 434 O. G. 253, are deemed pertinent.

[3] For the reasons indicated, the decision of the Board affirming the decision of the Examiner is reversed and priority awarded to the party Van Cleef.

Reversed.

U. S. Court of Customs and Patent Appeals

GROLL ET AL. *v.* REID

No. 4,430. Decided April 14, 1941

[118 F.(2d) 931]

INTERFERENCE—PRIORITY.

Evidence reviewed and *Held* that while R was the first to conceive he did not reduce to practice until after G and T and he was not diligent, and that priority should have been awarded to G and T.

APPEAL from Patent Office. Reversed.

Mr. A. B. Bakalar for Groll et al.

Mr. E. P. Boynton for Reid.

GARRETT, *P. J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office reversing that of the Examiner of Interferences in an interference originally declared July 30, 1937, and redeclared May 21, 1938, between an application of Reid (hereinafter referred to as appellee), Serial No. 730,467, filed June 13, 1934, and an application of Groll et al. (hereinafter referred to as appellants), Serial No. 92,691, filed July 25, 1936.

Only two counts are involved. They were proposed by appellants during the motion period in the Patent Office, other counts in the original declaration having been eliminated by an order of dissolution. The involved counts read:

1. In a process of preparing a pure aliphatic monobasic carboxylic acid from the corresponding impure acid obtained by the oxidation of an aliphatic aldehyde with molecular oxygen and wherein said impure acid has been removed from the aldehyde oxidation stage, the step of treating said impure acid in the liquid phase with molecular oxygen in the presence of an oxidizing catalyst.

2. In a process of preparing a pure butyric acid from a corresponding impure butyric acid obtained by the oxidation of a butyraldehyde with molecular oxygen and wherein said impure butyric acid has been removed from the butyraldehyde oxidation stage, the step of treating said impure butyric acid in the liquid phase with molecular oxygen in the presence of an oxidizing catalyst.

Both parties filed preliminary statements and took testimony. The Examiner of Interferences found that appellants reduced the invention to practice "April 25–26, 1932." Impliedly the Board approved this and the finding is not challenged by appellee.

As to appellee, the Examiner of Interferences awarded him a date of conception as early as March, 1932, but held that no date earlier than April 11, 1933, could be awarded him for actual reduction to practice and further held that he failed to show diligence from just prior to April 25–26, 1932 (the date awarded appellants), until April, 1933. The Board took the view that appellee established actual reduction to practice by March 25, 1932, and so found it unnecessary to discuss the question of diligence.

In the brief of appellee before us little is said relative to the question of diligence, and, obviously, he relies for success in the controversy upon the Board's award of prior reduction to practice being sustained.

The record shows that in 1931 or 1932 there arose a commercial demand for a product of the kind which may be produced by the process of the counts, and that the experiments of both appellants and appellee were carried on substantially contemporaneously in an effort to develop such product. The experiments of appellants were performed at laboratories of the Shell Development Company, located at Emeryville, Calif., and those of appellee at a plant of the Carbide and Carbon Chemical Corporation (to which his application is assigned) located at South Charleston, W. Va., by which he was employed as a research chemist. His principal assistant in carrying out the experiments was Samuel C. Barnett, a chemical engineer employed by the company, whose testimony was taken in the case together with that of appellee himself. Other witnesses were Granville A. Perkins, who seems to have been director of research of the company and the immediate superior of appellee; H. C. Holden, associate superintendent of research and development; George O. Curme, Jr., vice president of the company and director of research, whose principal office appears to be in New York city; Clyde H. Walters and Channing M. Lovell, assistants to appellee in research work.

Numerous documentary exhibits were placed in evidence.

Much of the testimony of the witnesses while pertinent in fully developing appellee's case is unimportant so far as the narrow issues upon which we are required to pass are concerned and need not be reviewed in detail.

It appears that as early as 1923 some interest was taken by persons connected with the Carbide and Carbon Chemical Corporation in the formation of aliphatic acids from corresponding aldehydes but no active work was pressed until the early part of 1932, at which time an order was received from Hercules Powder Company for a substantial amount of butyric acid, such as that which results from the process of the counts. There was then assigned to appellee, as stated by the Board, "the job * * * of developing a process for the purification of butyric acid obtained by the oxidation of butyrl aldehyde," and the experiments, which are claimed to have culminated in success in March, 1932, began in February, 1932.

The Board states:

Prior to this activity the making of aliphatic acids from the corresponding aldehydes through oxidation in the presence of a suitable catalyst was old and well known, but in this reaction there was always produced an impurity which gave the acid produced a yellow color. The exact composition of this impurity was not determined until later.

The Examiner of Interferences obviously made a very searching study of the record and his discussion, as it appears in his two decisions (the second on a request for reconsideration), is elaborate and thorough. From his analysis and evaluation of the evidence he was convinced that while it appeared to show that appellee had conceived a process for purifying crude butyric acid by aeration in the presence of an oxidizing catalyst as a result of laboratory work by Barnett in March, 1932.

"Such work * * * appears to have fallen short of a satisfactory demonstration of such process and amounted to no more than an abandoned experiment."

The decision of the Board is not so detailed as that of the Examiner of Interferences, but it reviews the evidence bearing upon the work at the time of the critical period—March, 1932.

One of the exhibits placed in evidence consisted of a collection of pages (photostatic copies) of a laboratory notebook wherein a record was kept of a number of experiments during February and March, 1932, in connection with the preparation of butyric acid free from the impurity which gave such acid a yellow color.

Of this the Board says:

These pages show that many different schemes were used to overcome this difficulty but apparently the only page that need be seriously considered is 39. Part of this preliminary work was done by Dr. Reid personally and the rest of it by his assistant, Barnett. On page 39 occurred the notes in the handwriting of Barnett of an experiment carried out by him in which he took crude butyric acid which he stated in his oral testimony was obtained through the catalytic oxidation of butyrl aldehyde, and blew air therethrough in the presence of ammonium vanadate as a catalyst. It must be admitted that the data given for this reaction is far from complete, but what is stated there keys in with the oral testimony of the party Reid and his witness Barnett and also with the subsequent work reports.

It may be said that the page above alluded to bears date of March 10, 1932. The matter recorded thereon is identified as being in the handwriting of Barnett who testified, in effect, that he obtained it "directly." Appellee testified that the experiment was witnessed by him, and when asked to describe it in detail replied:

Some yellow butyric acid was treated with a small amount of ammonium vanadate, and a small amount of manganous acetate, and air was blown through the mixture at a temperature of 100° C. for almost four hours. A piece of aluminum was placed in the liquid apparently in order to determine whether aluminum equipment would suffer corrosion under the conditions of the experiment.

Allusion to the testimony of Barnett upon this and other points will be made later.

For the present it may be said that we do not regard it as being sufficient of itself to establish reduction to practice on the part of appellee. The Examiner of Interferences, in our opinion, stated the situation succinctly and accurately in the analysis which he made of the evidence on this particular and crucial point, his statement (omitting the page references given by him) being, in part, as follows:

It is impossible from an inspection of page 39 to determine whether the experiment in question was in fact an oxidation of crude butyric acid as stated or whether it was an attempt to separate colorless acid directly from a reaction mixture from the initial oxidation of butyraldehyde in the presence of a mixed catalyst as was made over a year later by Walters * * *.

Moreover, the data of the experiment purporting to be recorded on page 39 of Exhibit 1 is admittedly in-

complete especially with respect to essential facts sought to be established thereby * * *. There is no indication therein that the product was distilled, that it was decolorized, what was the concentration of the final product, the manner of preparation of the crude acid, or the purpose of the aluminum pipe. Barnett admits that no effort was made to complete the experiment and to record the data, giving as excuse therefor that he personally was satisfied that the experiment was successful.

Barnett's explanation of the purpose of the piece of aluminum pipe is somewhat confused * * *. Reid's explanation is obviously mere conjecture * * *. In connection with Barnett's reference to operations in copper equipment, it should be noted that Reid states that trouble with copper equipment occurred subsequent to the experiment described on page 39 of Exhibit 1 * * *. Holden indicates that there was trouble with equipment made of copper, but his testimony does not aid in fixing any time for this event. Moreover, a letter, Reid Exhibit 18, from Holden to Curme dated March 8, 1932, states that Reid had already purified butyric acid with air in the presence of vanadium oxide. Manifestly if the work was done March 10, 1932, according to Exhibit 1, page 39, the letter does not correctly state the facts, either as to the time or the particular catalyst employed.

In view of the confused and indefinite nature of this evidence little probative force may be ascribed thereto, and it can not be accepted as establishing that a process corresponding to the counts was successfully performed.

Another circumstance adverse to Reid's claim is the absence of any reference to the March 10, 1932, experiment in the weekly reports for this period. Although, there is a statement in the March 8 letter, Exhibit 18, and the report of March 11, 1932, Exhibit 3, to the effect that crude butyric acid had been purified by aeration in the presence of vanadium oxide, no laboratory record of such an experiment had been introduced in evidence, nor has any explanation been offered for the absence of such record.

At the most the evidence adduced relative to Reid's activity in March of 1932 appears to show that Reid had conceived of a process for purifying crude butyric acid by aeration in the presence of an oxidizing catalyst as a result of laboratory work by Barnett. Such work, however, appears to have fallen short of a satisfactory demonstration of such process and amounted to no more than an abandoned experiment.

We observe from the testimony of Barnett, given in connection with notations made by him relative to experiments carried on after March 10, 1932 (when it is claimed a white product was produced), and before March 25, 1932, after which latter date Barnett ceased his personal participation in the work, that in every instance the material produced was yellow. While this may be explainable in a manner not inconsistent with the production of a white material on March 10, 1932, we think it somewhat significant, a white material being the great desideratum, that only in the single instance during the critical period was one produced.

After making the statement above quoted, the Examiner of Interferences recited the continuation of experiments by others than Barnett over a period of several months, as shown by various of the exhibits in evidence, and directed attention to the fact that many of the reports embraced in such exhibits

"are in marked contrast to the fragmentary, unsatisfactory ones of Barnett upon which Reid relies as support for his asserted completion of the invention in March of 1932."

From our study of the evidence, we feel constrained to agree with the evaluation of it made by the Examiner of Interferences.

A fact upon which appellee strongly relies as evidencing the success of the process is that about March 25, 1932, 3000 pounds of butyric acid were produced and shipped to the Hercules Powder Company, and accepted by it. If it were satisfactorily established, under the rules of evidence respecting corroboration, etc., that that acid was produced by the process of the counts, we should regard its production as being very persuasive in appellee's favor, but a close analysis of the evidence respecting it, such as was made by the Examiner of Interferences, discloses that it is lacking in important particulars. In his original decision he said:

Certain evidence also has been adduced on behalf of Reid to the effect that in the spring of 1932 a large quantity of butyric acid prepared according to the process in issue was sold to the Hercules Powder Company and accepted by them, although that company subsequently rejected other shipments. There is little reason to doubt that butyric acid may have been sold in 1932 to the powder company, but such fact can not be accepted as proof that the Carbide company had successfully reduced to practice this invention on either a laboratory or commercial scale. Subsequent events are deemed to negative any possibility of such assumption. In addition there is no documentary evidence directly pertaining to the production of this shipment, nor is any reason given for its omission. It is not reasonable to assume a large and efficient corporation, such as the Carbide company appears to be, would prepare a large quantity of a product by a novel process without making and preserving an accurate record of the operation for future reference. Indeed the probable importance of such event would seem to make this action mandatory, and the lack of such records can only give rise to the inference that some other method was actually used in the manufacture of material for this transaction.

The foregoing is, of course, somewhat general in its nature, but in his decision on the petition for rehearing the Examiner of Interferences became specific, saying:

Actually, Reid's claim to have reduced the invention to practice by the preparation, as defined in the counts, of the acid for Hercules rests substantially entirely on the testimony of Barnett alone.

In view of Barnett's confused and unsatisfactory testimony concerning his 1932 laboratory work it is by no means certain that he accurately recalls the true facts concerning the purification of the Hercules shipment and his testimony is not convincing on this point. It is impossible to determine definitely whether or not Reid participated in such work, but in view of the circumstances his testimony thereon seems to be substantially hearsay based on the statements appearing in Exhibits 4 and 5. As for that of Curme, Holden and Perkins, there is no question that they have no first hand knowledge of the method of preparation or purification of the Hercules shipment, and in view of the obviously hearsay nature thereof their testimony on this point is entitled to no consideration whatever.

The Board said:

The Weekly Progress Report dated March 25, 1932, states that the purification of the crude butyric acid was completed on March 23, 1932, and that 3000 pounds were shipped to the Hercules Powder Company. An analysis of this acid is given. Both the party Reid and his witness have testified that this acid thus shipped to the Powder Company was purified by the process set forth in the counts of the interference, and this testimony is, in part, at least corroborated by the witnesses Perkins and Holden. While it is true that these two witnesses were probably not present at all times while this batch of acid was being made, still from the nature of their positions it was essential that they be thoroughly posted on what was going on. It is natural to assume that if they were doing their duty they would have to be thoroughly familiar with important developments of this kind and therefore their testimony cannot be ignored.

The Examiner of Interferences apparently does not question the fact that the Carbide Company did have and did ship to the Powder Company by March 25, 1932, purified butyric acid which came within the specifications of the Powder Company but contends that this was only an abandoned experiment for the reason that a later date, that is in the fall of 1932, witnesses Walters and Lovell were assigned the job of further investigation of methods of purifying acids of this kind. We are of the opinion that the assumption that this later work tended to show that the work done in March, 1932, was unsatisfactory was not warranted. Companies engaged in the manufacture of chemicals must necessarily carry on at all times development work for it would obviously be dangerous to assume that any method however successful which they might employ could not be improved. It frequently happens that through such development work the process can be greatly cheapened or perhaps a more economical way can be developed. The process in issue is one that involves considerable time and expense. There are two distillations and two stages of aeration and the latter consumes considerable time. It was but natural that the Carbide Company should endeavor to shorten the work. If the impurity resulted from using impure aldehyde perhaps the purification would be unnecessary and also if the addition of an oxidizing agent could be substituted for aeration and second distillation it would be very desirable. This subsequent investigation following the successful operation in March, 1932, cannot be regarded as evidence of failure, but a normal attempt to improve on a successful but expensive method. Up to this time the only acid which they had attempted to deal with was butyric acid but they had reasons for assuming that other aliphatic monobasic carboxylic acids could be purified in the same way and this further study was directed mainly to such acids.

The study which we have made of the record leads us to the conclusion that the Board gave to appellee the benefit of assumptions to which he was not entitled and that the Examiner of Interferences should not have been reversed upon the facts appearing.

As has been indicated, appellee before us virtually waived any question as to diligence. This was entirely consistent with his claim respecting reduction to practice. Naturally, if his claim in that respect were sustained, diligence would play "no part in his case," but since we are unable to sustain such claim, it is proper that the diligence question be passed upon. The period during which diligence on his part was required began just prior to April 25–26, 1932, the date awarded appellants for reduction to practice. We find no evidence of any activity on the part of appellee or his assistants from March 25, 1932, to April 25, 1932. Any experiments made thereafter could not inure to his benefit in this controversy. Hence, diligence may not be awarded him.

For the reasons stated, the decision of the Board is reversed and priority awarded appellants.

Reversed.

U. S. Court of Customs and Patent Appeals

IN RE GENERAL PERMANENT WAVE CORPORATION (SALES AFFILIATES, INC., ASSIGNEE, SUBSTITUTED)

Nos. 4,475 and 4,479. Decided April 14, 1941

[118 F.(2d) 1020]

TRADE-MARKS—DESCRIPTIVENESS—"VAPER MARCEL."

The expression "Vaper Marcel" as applied to hair waving pads *Held* descriptive of the use to which such articles are put, and registration thereof *Held* barred by section 5 of the Trade-Mark Act of February 20, 1905, as being "descriptive * * * of the character or quality" of the goods to which the mark is applied.

APPEAL from Patent Office. Affirmed.

Mr. E. Clarkson and *Mr. W. Saxton Seward* for General Permanent Wave Corporation (Sales Affiliates, Inc., Assignee, substituted.)

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

LENROOT, *J.*:

These are appeals from decisions of the Commissioner of Patents affirming decisions of the Examiner of Trade-Marks rejecting two applications of appellant for the registration, under the provisions of the Trade-Mark Act of February 20, 1905, as amended, of marks used by appellant for hair waving pads.

Application Serial No. 378,781 is for the registration of the expression "Vaper Marcel," and application Serial No. 378,782 is for the registration of "an artistic design formed * * * by the words vaper marcel," as shown in the drawing.

The Examiner held that the last-named application is a duplicate of appellant's application, Serial No. 378,781, and required an election by appellant as to which application should be prosecuted. This appellant declined to do.

In view of the very close relationship between the two applications they will be embraced in a single opinion, but the two appeals will be considered separately.

Appeal No. 4475

The application involved in this appeal is No. 378,781, for the registration of the mark "consisting of the expression 'Vaper Marcel' for hair waving pads." The registration was denied by the Examiner. In his statement upon the appeal to the Commissioner he said:

This is in answer to an appeal from the Examiner's refusal to register to applicant, under the 1905 act, the notation "Vaper Marcel" as a trade-mark for hair waving pads. The ground of refusal to register is that the mark is descriptive of the goods. Hair waving devices quite commonly employ vapors in the operation of waving. A "marcel" is a form of hair wave. Therefore a "Vaper Marcel" hair waving pad is reasonably construed as one that assists in making a marcel by the use of vapor. The phonetic misspelling of "vapor" is negligible.

The words "Vapor Marcel" having been recognized as descriptive of hair wavers and kindred devices and have been disclaimed in registration No. 221,546, Va-Per-Marcel, Inc., of New York, N. Y.

The decision of the Commissioner is brief and reads as follows:

These are appeals from the refusal of the Examiner of Trade-Marks to register the notation "Vaper Marcel" as a trade-mark for hair waving pads. Two applications are involved, between which the Examiner required election. Applicant traverses that requirement; but, as registration was properly refused in both cases, the point becomes immaterial.

The Examiner refused registration on the ground that the mark is descriptive of the goods. Applicant does not deny that its hair waving pads are used in applying vapor marcels, but argues that this fact does not render the mark descriptive of the pads, "or of the character or quality of such goods," within the meaning of section 5 of the Trade-Mark Act of February 20, 1905, under the provisions of which act the applications were filed.

I think the argument is untenable. In my opinion the purpose for which an article of merchandise is intended to be used is manifestly characteristic of the article.

The decisions are affirmed.

We are clear that the decision of the Commissioner must be affirmed. We have no doubt that the expression "Vaper Marcel" is descriptive of the use to which the articles are put, and is barred by section 5 of said Trade-Mark Act as being "descriptive * * * of the character or quality" of the goods to which the mark is applied.

Appellant contends that the expression "Vaper Marcel" is only suggestive of "some real or fancied function of a hair waving pad" and is in no wise descriptive of appellant's hair waving pad.

Appellant concedes in its application that its mark is applied to "hair waving pads." It appears that the pads to which appellant's mark is applied carry chemicals which, upon being moistened, generate heat to cause a waving solution to vaporize, which vapor is utilized in producing marcel waves.

It is obvious to us that if appellant's merchandise is properly described as hair waving pads, as appellant concedes, then the mark "Vaper Marcel" merely describes a particular kind of hair waving for which the pads are used, viz., in producing

marcel waves utilizing vapor in the process, and therefore such mark, when used upon hair waving pads, would not indicate to purchasers the origin of such pads in appellant.

If the expression "Vaper Marcel" applied to hair waving pads is not descriptive of the character of such pads, then the term "hair waving" would likewise not be descriptive of the pads, for in each case the name applied is descriptive of use only. We think appellant would hardly contend that the expression "hair waving" would not be a descriptive mark if applied to appellant's pads.

Appellant has cited a number of trade-mark cases decided by this court upon the subject of descriptive marks, none of which in our opinion are applicable to the case before us. However, we do consider the case of *Walgreen Co.* v. *Godefroy Mfg. Co.*, 22 C. C. P. A. (Patents) 818, 74 F.(2d) 127, 454 O. G. 530, as analogous in principle to the case at bar. That case involved the registrability of the word "Peaudouce" for use on "skin cream." The term "Peaudouce" is a combination of the French words "peau" and "douce," and the combination of the words means "soft skin." In concluding our opinion in that case we said:

> In view of the facts of record, we are of opinion that the trade-mark "Peaudouce" is merely descriptive of the intended purpose and function of the goods on which it is used, and is, therefore, merely descriptive of the "qualities, ingredients or characteristics" of such goods; that, when so used, it is not subject to exclusive trade-mark appropriation; and that appellee's registration No. 250,012 is invalid and should be cancelled. • • •

Appellant contends that the combination of the words "Vaper Marcel" is not found in the dictionary. It is of course conceded that the notation "vaper" means the same as does the word "vapor."

Because appellant has combined two common English words, which in combination are not found in the dictionaries, is wholly immaterial. *In re Bailey Meter Company*, 26 C. C. P. A. (Patents) 1136, 102 F.(2d) 843, 506 O. G. 790.

Here the expression "Vaper Marcel" clearly informs purchasers of appellant's pads of the use to which they are to be put.

In the case of *Winchester Repeating Arms Co.* v. *Peters Cartridge Company*, 30 App. D. C. 505, 134 O. G. 2030, there was involved the registrability of the words "Self-Loading" as a trade-mark for cartridges. The court held the words to be descriptive and in its opinion stated:

> • • • Moreover, it is perfectly apparent from an examination of the record that appellant selected these words and attempted to trade-mark them because they aptly informed the trade of the purpose for which its goods are made and of the use to which they are to be put. • • •

So in the case at bar, it is clear to us that appellant selected the expression "Vaper Marcel" and attempted to trade-mark it because it "aptly informed the trade of the purpose for which its goods are made and of the use to which they are to be put."

We deem further discussion unnecessary. We are clear that the decision of the Commissioner should be affirmed.

Appeal No. 4479

As indicated in the beginning of this opinion, the only difference between the mark involved in this appeal and that involved in appeal No. 4475 is the arrangement of the expression "Vaper Marcel" in what is termed in the application an "artistic design."

In view of our holding in appeal No. 4475 that the expression "Vaper Marcel" is descriptive, it is clear that the mark involved in this appeal is not registrable. There is no disclaimer of the expression "Vaper Marcel" as shown in the mark applied for. Furthermore, we do not think one may secure the registration of a descriptive mark by arranging the letters in a distinctive way. That question, however, is not before us.

For the reasons herein stated, the decision of the Commissioner of Patents in each of the appeals before us, Nos. 4475 and 4479, is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,579,497, L. J. Aldrich, Safety control mechanism for electrically controlled fuel burning device, D. C., N. D. Ill., E. Div., Doc. 1703, *The Cleveland Trust Co.* v. *Perfex Controls Co.* Dismissed on motion of plaintiff Apr. 28, 1941.

1,653,819, Northcott & Warford, Electro-therapeutical apparatus, D. C., S. D. Calif. (Los Angeles), Doc. 1481–BH, *Northford, Inc.*, v. *C. E. Gross.* Consent decree in favor of plaintiff, held valid and infringed, injunction June 30, 1941.

1,812,768, C. E. Berggren, Trailer coupling, D. C., N. D. Ill., E. Div., Doc. 2627, *C. E. Berggren et al.* v. *Sterling Automotive Mfg. Co., Inc.* Consent decree holding patent valid and infringed; injunction Apr. 25, 1941.

1,832,202, W. W. Grimm, Process of refining hydrocarbon liquids under high vacuum, D. C., N. D. Ill., E. Div., Doc. 1932, *W. W. Grimm* v. *The Texas Co.* On stipulation bill dismissed with prejudice Apr. 10, 1941.

1,868,277, C. F. Degner, Condiment shaker, D. C., N. D. Ill., E. Div., Doc. 1983, *C. F. Degner* v. *Harry Davies Molding Co. et al.* Consent decree holding claims 1, 2, 3, and 4 valid, injunction May 4, 1941.

1,869,760, S. Madsen, Weatherproof window construction, D. C., N. D. Ill., E. Div., Doc. 1853, *Curtis Companies, Inc.*, v. *Master Metal Strip Service, Inc., et al.* "Decree that claims 10, 13, and 14 have been infringed; that claims 10, 13, and 14 are each invalid; complaint dismissed Apr. 24, 1941."

1,922,415, M. Bank, Electrical—including radio—apparatus, D. C., N. D. Ill., E. Div., Doc. 2502, *M. Bank* v. *American Sound System & Broadcasting Co.* Default decree holding claims 1, 2, and 3 valid and infringed, injunction May 19, 1941.

1,958,580, A. A. Kasarjian, Spark plug, D. C., S. D. N. Y., Doc. E 86/349, *Aero Spark Plug Co., Inc., et al.* v. *B. G. Corporation.* Judgment (notice June 27, 1941).

2,024,184, J. R. Ritchie, Roller for oil mix roads, D. C., N. D. Calif. (San Francisco), Doc. 21134–L, *J. R. Ritchie et al.* v. *L. J. Immel.* Claims 2, 3, 4, and 10 held valid and infringed June 24, 1941.

2,100,868, A. Oppenheimer, Jr., Slip cover for furniture, filed June 18, 1941, D. C., E. D. Pa., Doc. 1590, *The Comfy Mfg. Co.* v. *Dyer-Gruen Jackson, Inc.* Same, D. C. Mass., Doc. 767, *The Comfy Mfg. Co.* v. *C. F. Hovey Co.* Dismissed without prejudice June 4, 1941. Same, D. C., S. D. N. Y., Doc. 2/20, *The Comfy Mfg. Co.* v. *Vatco Mfg. Co., Inc.* Consent order of discontinuance (notice July 8, 1941). Doc. 2/246, *The Comfy Mfg. Co.* v. *Selrite, Inc.* Consent order of discontinuance (notice July 8, 1941).

2,101,746, M. Manfredi, Friction lamp, D. C., S. D. N. Y., Doc. 11/225, *M. Manfredi* v. *Buck X-Ograph.* Consent judgment (notice July 3, 1941).

2,109,400, K. Miescher, et al., Esters of testosterone and process of making same, filed June 9, 1941, D. C., E. D. Pa., Doc. 1578, *Ciba Pharmaceutical Products, Inc.*, v. *Harvey Laboratories, Inc., et al.*

2,142,169, A. Bisch, Amusement device, D. C., E. D. Mich., S. Div., Doc. 2160, *Bisch-Rocco Amusement Co.* v. *Tri-State Shows.* Decree for plaintiff (notice June 30, 1941).

2,169,146, C. Iverson, Vulcanizing mold and other presses, D. C., N. D. Ohio, E. Div., Doc. 20089, *National Rubber Machinery Co.* v. *The McNeil Machine & Engineering Co.* Dismissed July 1, 1941.

2,169,487, R. F. Ensign, Carbureting apparatus, D. C., S. D. N. Y., Doc. 1053–BH, *Ensign Carburetor Co., Ltd.*, v. *Pyramid Equipment & Sales Co.* Consent decree holding patent valid and infringed, injunction July 2, 1941.

2,178,941, W. E. Schuessler, Knitted helmet, D. C., N. D. Ill., E. Div., Doc. 2342, *W. E. Schuessler* v. *Liberty Knitting Mills.* Consent decree holding patent valid and infringed, injunction May 6, 1941.

2,183,090, F. P. Dunn, Coupling apparatus, D. C. Oreg. (Portland), Doc. 593, *Utility Trailer Mfg. Co.* v. *Premier Mfg. Co.* Dismissed June 30, 1941.

2,222,409, D. E. Gottlieb, Dog leash, filed July 2, 1941, D. C., S. D. N. Y., Doc. 15/20, *D. E. Gottlieb et al.* v. *Reel Leash Corp.*

2,228,602, J. L. Kolb, Oil burner furnace, filed June 30, 1941, D. C., E. D. Pa., Doc. 1610, *J. L. Kolb* v. *Penn Boiler & Burner Mfg. Corp.*

2,230,872, O. Turinsky, Smoking pipe, D. C., N. D. Ill., E. Div., Doc. 2596, *O. Turinsky* v. *Kenilworth Pipe Co.* Consent decree holding claims 1, 2, 3, 4, 5, 6, 8, 9, 10, and 15 infringed Apr. 21, 1941.

Re. 21,406, C. W. Vogt, Apparatus and process for treating material, D. C., N. D. Ill., E. Div., Doc. 1562, *The Girdler Corp. et al.* v. *The Creamery Package Mfg. Co.* Dismissed without prejudice by agreement Apr. 21, 1941.

Des. 119,137, S. Novak, Dress ensemble, D. C., N. D. Ill., E. Div., Doc. 1661, *Flora Dress Co.* v. *Avon Apparel Shops, Inc.* Consent decree holding patent valid and infringed, injunction Apr. 23, 1941.

Des. 119,474, S. Novak, Dress, D. C., N. D. Ill., E. Div., Doc. 1659, *Flora Dress Co.* v. *Jeanette Dress Shop.* Patent held invalid; suit dismissed May 22, 1941.

Des. 120,080, S. Novak, Dress, D. C., N. D. Ill., E. Div., Doc. 1660, *Flora Dress Co.* v. *Arthur's Apparel Shop.* Dismissed on motion of plaintiff Nov. 20, 1940.

Des. 120,179, S. Novak, Dress ensemble, D. C., N. D. Ill., E. Div., Doc. 1750, *Flora Dress Co.* v. *E. Symons & Co.* Dismissed on motion of plaintiff July 8, 1940.

Des. 120,302, S. Novak, Dress ensemble, D. C., N. D. Ill., E. Div., Doc. 1751, *Flora Dress Co.* v. *Feins.* Dismissed on motion of plaintiff Nov. 7, 1941.

Des. 120,329, S. Novak, Dress, D. C., N. D. Ill., E. Div., Doc. 1543 (causes 1543, 1753, 1754, 1934, 1935 consolidated under 1543), *Flora Dress Co.* v. *York Women's Apparel.* Patent held invalid; bills in consolidated causes dismissed May 22, 1941.

Des. 120,888, M. F. Hauck, House coat, D. C., N. D. Ill., E. Div., Doc. 2326, *W. M. Gotsch Co.* v. *Wieboldt Stores, Inc.* Dismissed without prejudice by stipulation May 7, 1941.

Des. 121,438, A. Karsh, Combination refreshment dish and tray, filed June 21, 1941, D. C., S. D. N. Y., Doc. 14/459, *Keystone Silver, Inc.*, v. *J. & I. Block, Inc.*

Des. 121,448, S. Novak, Dress ensemble, D. C., W. D. Mo. (Kansas City), Doc. 723, *Flora Dress Co.* v. *Missouri Garment Co., Inc.* Dismissed July 8, 1941.

Des. 125,563, L. Eickemeyer, Electric clock, filed July 1, 1941, D. C., E. D. N. Y., Doc. 2129, *Clock Patents, Inc.*, v. *United Metal Goods Mfg. Co., Inc.*

Des. 126,003, J. Elkins, Dress, D. C., S. D. N. Y., Doc. 14/191, *Sam Steinberg & Co., Inc.*, v. *Security Dress Co.* Order June 28, 1941.

T. M. 76,460, S. Silverman, Weekly newspaper and magazine, D. C., N. D. Ill., E. Div., Doc. 2294, *Variety, Inc.*, v. *F. Rosenthal et al.* Consent decree enjoining defendants May 12, 1941.

T. M. 127,809, C. W. Beggs, Sons & Co., Certain named cosmetics; T. M. 216,829, same, Shaving cream, brilliantine, cold cream, etc.; T. M. 260,901, same, Astringent lotion, cleansing cream, etc.; T. M. 260,940, same, Brilliantine; T. M. 320,694, same, Face powder, lip and facial rouge, cold cream, D. C., N. D. Ill., E. Div., Doc. 2430, *C. W. Beggs, Sons & Co.* v. *Consolidated Royal Chemical Corp. et al.* Dismissed without prejudice by stipulation Apr. 14, 1941.

T. M. 199,644, C. U. Williams & Son, Liquid fuel burning device; T. M. 246,114, Williams Oil-O-Matic Heating Corp., same; T. M. 290,863, same, Fuel burning device; T. M. 308,669, same, Domestic refrigerating machine; T. M. 331,365, same, Air conditioning apparatus and apparatus for heating, cooling, humidifying, dehumidifying or otherwise conditioning air; T. M. 337,470, same, Laundry appliances including domestic electric washing machines and parts thereof; T. M. 345,661, same, Fluid fuel heaters—namely automatic electrically controlled and operated fuel heating systems, parts thereof, etc.; T. M. 350,676, same, Automatic beverage dispenser; T. M. 353,738, same, Packaged beverage vending apparatus; T. M. 364,756, same, Vending apparatus and parts thereof; T. M. 378,834, same, Stokers, D. C., N. D. Ill., E. Div., Doc. 2864, *Williams Oil-O-Matic Heating Corp.* v. *Wieboldt Stores, Inc.* Consent decree holding trade-marks valid and one or more of said trade-marks infringed, injunction June 13, 1941.

T. M. 216,829. (See T. M. 127,809).

T. M. 237,646, American Brake Materials Corp., Brake shoes; T. M. 270,256, same, Friction elements; T. M. 296,390, same, Composition frictional elements for brakes; T. M. 351,017, T. M. 351,016, same, Belts, hose and shaft couplings; T. M. 362,651, same, Frictional elements for brakes and clutches, and for fan belts, etc., D. C., N. D. Ill., E. Div., Doc. 853, *The American Brake Shoe & Foundry Co.* v. *Emsco Asbestos Co. et al.* Dismissed without prejudice by stipulation May 15, 1941.

T. M. 246,114. (See T. M. 199,644.)
T. M. 260,901. (See T. M. 127,809.)
T. M. 260,940. (See T. M. 127,809.)
T. M. 270,256. (See T. M. 237,646.)
T. M. 290,863. (See T. M. 199,644.)
T. M. 296,390. (See T. M. 237,646.)
T. M. 308,669. (See T. M. 199,644.)
T. M. 320,694. (See T. M. 127,809.)
T. M. 331,365. (See T. M. 199,644.)
T. M. 337,470. (See T. M. 199,644.)
T. M. 345,661. (See T. M. 199,644.)
T. M. 350,676. (See T. M. 199,644).
T. M. 351,016. (See T. M. 237,646.)
T. M. 351,017. (See T. M. 237,646.)
T. M. 353,738. (See T. M. 199,644).
T. M. 362,651. (See T. M. 237,646.)
T. M. 364,756. (See T. M. 199,644.)
T. M. 378,834. (See T. M. 199,644.)

Interference Notice

U. S. PATENT OFFICE, *Washington, D. C., Aug. 19, 1941.*

Rainer Hildebrandt, his assigns or legal representatives, take notice:

An interference has been declared by this Office between Patent No. 2,204,962, granted June 18, 1940, to Rainer Hildebrandt, 7 Bayerischestrasse, Berlin, W. 15, Germany, and the application for patent of Robert Benjamin Albright, Tioga and C Streets, Philadelphia, Pa. The notice of such declaration sent by registered mail to said Hildebrandt at the address indicated and then reforwarded to the address furnished by his counsel, c/o Telefunken Gesellschaft fur Drahtlose Telegraphie, Zehlendorf, Osteweg, Berlin, Germany, having been returned by the post office as undeliverable, notice is hereby given that unless said Hildebrandt, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Notice of Cancellation

U. S. PATENT OFFICE, *Washington, D. C., Aug. 20, 1941.*

Advance Welding & Alloys, Ltd., its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of Birdsboro Steel Foundry and Machine Company, Birdsboro, Pa., to effect the cancellation of registration No. 302,609, issued April 25, 1933, to Advance Welding & Alloys, Ltd., 131–07 Merrick Road, Springfield Gardens, Long Island, N. Y., and a notice of such proceeding sent by registered mail to said Advance Welding & Alloys, Ltd. at said address having been returned by the post office as undeliverable, notice is hereby given that unless said Advance Welding & Alloys, Ltd., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER.
First Assistant Commissioner.

TRADE-MARKS

OFFICIAL GAZETTE, SEPTEMBER 2, 1941

[VOL. 530. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 443,640. MITCHELL FARMS, Windfall, Ind. Filed May 16, 1941.



The words "Hybrid Certified Seed Corn" and the representation of an ear of corn are disclaimed apart from the mark.

FOR SHELLED SEED CORN.
Claims use since December, 1940.

CLASS 2

RECEPTACLES

Ser. No. 442,042. SAM KATZ, doing business as The Katzy Dispenser Company, New York, N. Y. Filed Mar. 28, 1941.

KATZY

FOR DISPENSER FOR HAIRPINS.
Claims use since March, 1940.

Ser. No. 445,478. SHULTON, INC., New York, N. Y., and Hoboken, N. J. Filed July 18, 1941.

MYSTITE

FOR COSMETIC CONTAINERS MADE OF INTAGLIO CARVED SYNTHETIC RESINS, ESPECIALLY "CATALIN."
Claims use since Apr. 30, 1941.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 441,564. BONA-KLEEN COMPANY, Los Angeles, Calif. Filed Mar. 15, 1941.

BONA—KLEEN

The word "Kleen" is disclaimed apart from the mark.
FOR CLEANER AND PRESERVATIVE FOR WHITE SIDE-WALL TIRES.
Claims use since Apr. 30, 1940.

Ser. No. 443,512. MARION F. MURRAY, doing business as Murray Chemical Mfg. Co., Dallas, Tex. Filed May 12, 1941.

Fog-Mastur

FOR CHEMICALLY TREATED CLOTHS TO BE WIPED OVER GLASS AND OTHER SURFACES TO PREVENT FOGGING DUE TO CONDENSATION OF MOISTURE THEREON.
Claims use since Apr. 18, 1941.

Ser. No. 443,666. NATIONAL OIL PRODUCTS COMPANY, Harrison, N. J. Filed May 17, 1941.

PENTERGENT

FOR DETERGENT PREPARATION USED AS AN AID IN THE REMOVAL OF GREASE, BLOOD, OIL, OILS AND GREASES OF THE SKIN WHICH LEAVE YELLOW STAINS ON THE GARMENT, ORDINARY DIRT AND SOIL FROM SHIRTS, TOWELS, APRONS, SHEETS AND BEDCLOTHING, UNDERWEAR, OVERALLS, JUMPERS AND OTHER WEARING APPAREL AND OILY RAGS AND AS A SCRUBBING SOAP.
Claims use since January, 1941.

Ser. No. 444,788. GERALDINE F. BROWN, doing business as G. F. Brown Company, Philadelphia, Pa. Filed June 24, 1941.

FREEDOM

FOR CLEANSING PREPARATION FOR GENERAL HOUSEHOLD, TOILET, AND LAUNDRY USE.
Claims use since May 1, 1941.

CLASS 5

ADHESIVES

Ser. No. 444,739. PERKINS GLUE COMPANY, Lansdale, Pa. Filed June 21, 1941.

Peresin

FOR LIQUID UREA-FORMALDEHYDE RESIN USED AS AN ADHESIVE FOR COLD OR HOT PRESS BONDING.
Claims use since June 4, 1941.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 421,910. STEWART & ROSS CORPORATION, Long Island City, N. Y. Filed July 24, 1939.

Corvet

FOR VITAMIN CAPSULES.
Claims use since June 15, 1939.

Ser. No. 421,911. STEWART & ROSS CORPORATION, Long Island City, N. Y. Filed July 24, 1939.



FOR VITAMIN CAPSULES.
Claims use since June 15, 1939.

Ser. No. 429,508. AGRICULTURAL LABORATORIES, INC., Columbus, Ohio. Filed Mar. 13, 1940.



Applicant disclaims the term "Roach Flakes" apart from the mark.
FOR INSECTICIDES, PARTICULARLY ROACH BAIT.
Claims use since Nov. 16, 1939.

Ser. No. 433,679. TILLOTSON RUBBER CO., INC., doing business as Pilgrim Mfg. Co., Needham Heights, Mass. Filed July 3, 1940.

MIRACLE MITTS

No claim is made to the word "Mitts" apart from the mark.
FOR MITTENS TREATED WITH AN AGENT DESIGNED TO SOFTEN AND BEAUTIFY THE HANDS.
Claims use since Jan. 3, 1939.

Ser. No. 436,733. PURITAN COSMETICS, INCORPORATED, St. Louis, Mo. Filed Oct. 8, 1940.



The word "Beauty" is disclaimed apart from the mark. The picture is fanciful.
FOR FACE CREAMS, FACE POWDERS, TALCUM POWDERS, LIQUID AND COMPACT ROUGES, A LOTION FOR HANDS AND FACE, EYEBROW PENCILS, LIP STICK, NAIL POLISH, DEPILATORY, DEODORANT FOR THE RELIEF OF PERSPIRATION ODOR, TOILET WATER, AND PERFUMES.
Claims use since 1890.

Ser. No. 438,216. GRACE ROLLY, doing business as Tra-Wave Company, Springfield, Mass. Filed Nov. 25, 1940.

TRA-WAVE

The word "Wave" is disclaimed apart from the mark.
FOR PERMANENT WAVE SOLUTIONS.
Claims use since Nov. 17, 1940.

Ser. No. 443,903. R. C. WILLIAMS & COMPANY, INC., New York, N. Y. Filed May 24, 1941.



No claim is made to the word "Scarlet" as applied to a food coloring which is scarlet, or a simulation thereof, apart from the mark.
FOR FOOD COLORINGS.
Claims use since 1897.

Ser. No. 444,218. GREAT ATLANTIC LABORATORIES, INC., Boston, Mass. Filed June 5, 1941.

OVIL-TONE

FOR HAIR TONIC, TOILET WATER, AND COLD CREAM.
Claims use since Sept. 27, 1939.

Ser. No 444,409. MAISON JEURELLE—SEVENTEEN, INC., New York, N. Y. Filed June 11, 1941.

BLUE GROTTO

FOR PERFUMES.
Claims use since May 2, 1941.

Ser. No. 444,567. EFFERVESCENT PRODUCTS, INC., Elkhart, Ind. Filed June 16, 1941.

CLINITEST

FOR PREPARATION FOR USE AS AN INDICATOR FOR DETERMINING THE PRESENCE OR ABSENCE OF SUGAR IN URINE.
Claims use since Jan. 27, 1941.

Ser. No. 444,570. GIVAUDAN-DELAWANNA, INC., New York, N. Y. Filed June 16, 1941.



The words "Givaudan-Delawanna, Inc.," "New York," and "La Chimiste" are disclaimed apart from the mark.
FOR ORGANIC ODORIFEROUS AND FLAVOR-IMPARTING CHEMICALS; ORGANIC CHEMICALS USED IN PERFUMES, COSMETICS, PAINTS, VARNISHES, DRYING INKS, BACTERICIDAL, FUNGICIDAL, INSECTICIDAL, AND PRESERVATIVE COMPOSITIONS; ORGANIC CHEMICALS USED AS RANCIDITY STABILIZERS IN SOAPS; PERFUMES; ESSENTIAL OILS.
Claims use since June 28, 1940.

444,616. TAKAMINE LABORATORY, INC., Clifton, N. J. Filed June 17, 1941.

Zellamine

FOR HEALING OINTMENT.
Claims use since June 5, 1941.

Ser. No. 444,948. U. S. INDUSTRIAL CHEMICALS, INC., New York, N. Y. Filed June 28, 1941.

FILMEX

FOR SOLVENT FOR CLEANING MOTION PICTURE FILMS.
Claims use since May 15, 1941.

Ser. No. 444,990. THOMAS A. EDISON, INCORPORATED, West Orange, N. J. Filed July 1, 1941. Under section 5b of the act of 1905 as amended in 1920.

EDISON

FOR GASES DESIGNED PRIMARILY FOR USE BY ANESTHETISTS, PHYSICIANS, AND DENTISTS, AND INCLUDING OXYGEN, NITROGEN, CYCLOPROPANE, HELIUM, NITROUS OXIDE, COMPRESSED AIR, CARBON DIOXIDE AND OXYGEN MIXTURES, HELIUM AND OXYGEN MIXTURES, CARBON DIOXIDE, NITROGEN AND OXYGEN MIXTURES AND NITROGEN AND CARBON DIOXIDE MIXTURES.
Claims use since Dec. 16, 1938.

Ser. No. 444,994. FELLOWS MEDICAL MANUFACTURING COMPANY, INC., New York, N. Y. Filed July 1, 1941.

LIQUA-PHEDRA

FOR NOSE DROPS.
Claims use since June 26, 1941.

Ser. No. 445,524. INTERNATIONAL VITAMIN CORP., New York, N. Y. Filed July 21, 1941.

TRAPADIN

FOR VITAMIN PREPARATIONS USED IN MEDICINE AND PHARMACY.
Claims use since July 11, 1941.

Ser. No. 445,533. SEAL-INS LABORATORIES, INC., Los Angeles, Calif. Filed July 21, 1941.

NIFON

FOR MEDICINAL COMPOUND CONTAINING IODOCHLORHYDROXYQUINOLINE USED IN THE TREATMENT OF AMOEBIC DYSENTERY.
Claims use since July 12, 1941.

CLASS 10

FERTILIZERS

Ser. No. 445,211. PLANTERS COTTON OIL & FERTILIZER CO., Rocky Mount, N. C. Filed July 9, 1941.

FERAX

FOR PLANT FOODS USED PRIMARILY TO SIDE-DRESS CROPS SUCH AS COTTON, CORN, AND SMALL GRAINS.
Claims use since May 1, 1937.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 444,121. INSULATION MANUFACTURERS, INC., Milwaukee, Wis. Filed June 2, 1941.

RED E BATT

The drawing is lined for red. The word "Batt" is disclaimed apart from the mark.
FOR THERMO INSULATION BATTS AND VAPOR SHIELDS.
Claims use since May 5, 1941.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 422,840. DIAMOND IRON WORKS, INC., Minneapolis, Minn. Filed Aug. 21, 1939.

DIAMAHR

FOR ALLOY METAL IRON CASTINGS.
Claims use since Apr. 1, 1939.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 444,430. THE WILBUR & WILLIAMS COMPANY, Boston, Mass. Filed June 11, 1941.

DYE-CRETE

Applicant disclaims the word "Dye" except as part of the mark "Dye-Crete."
FOR PAINT COATINGS AND STAINS FOR CONCRETE.
Claims use since Jan. 1, 1940.

Ser. No. 444,946. SOCONY PAINT PRODUCTS COMPANY, New York, N. Y. Filed June 28, 1941.



FOR READY-MIXED PAINTS, PAINT ENAMELS, VARNISHES, PAINT DRYERS, THINNERS, AND REDUCING LIQUIDS, PASTE PAINT COLORS, AND PUTTY GLAZE.
Claims use since Sept. 15, 1939.

CLASS 17

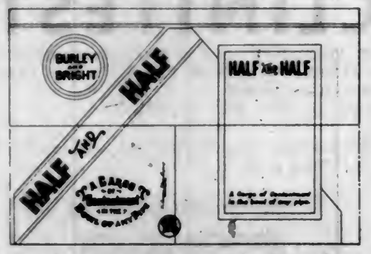
TOBACCO PRODUCTS

Ser. No. 443,909. B. & M. CIGAR CO., INC., Essexville, Mich. Filed May 26, 1941.

Airliner

FOR CIGARS.
Claims use since May 9, 1941.

Ser. No. 444,318. THE AMERICAN TOBACCO COMPANY, New York, N. Y. Filed June 9, 1941.



The representation of the outline of the flat is disclaimed. No claim is made to the words "Burley and Bright" apart from the mark.
FOR SMOKING, CHEWING, AND CIGARETTE TOBACCO.
Claims use since Apr. 1, 1941.

CLASS 20

LINOLEUM AND OILED CLOTH

Ser. No. 444,838. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed June 25, 1941.

MIRRO-GLO

FOR FELT BASE FLOOR COVERINGS.
Claims use since Aug. 22, 1939.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 442,983. VARFLEX CORPORATION, Rome, N. Y. Filed Apr. 25, 1941.

SYNTHOLVAR

FOR TUBING DESIGNED FOR ELECTRICAL INSULATION AND OTHER USES.
Claims use since Apr. 9, 1941.

Ser. No. 443,622. AMERICAN RADIO HARDWARE CO. INC., New York, N. Y. Filed May 16, 1941.

DIM-E-ROID

FOR BULLS EYE LAMPS FOR ELECTRIC BULBS ACTING THROUGH AN ANISOTROPIC LIGHT SCREEN, PLAIN AND COLORED.
Claims use since January, 1941.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 412,611. THE MURRAY-OHIO MANUFACTURING COMPANY, Cleveland, Ohio. Filed Nov. 10, 1938.

MERCURY

FOR JUVENILE VEHICLES—NAMELY, WAGONS, VELOCIPEDES, PEDAL-PROPELLED AEROPLANES AND HAND CARS, AND TOYS—NAMELY, WHEELBARROWS.
Claims use since Aug. 6, 1936, on juvenile velocipedes and hand cars; since April, 1938, on juvenile wagons; since Nov. 4, 1938, on toy wheel-barrows, and juvenile pedal-propelled aeroplanes.

Ser. No. 445,328. HAROLD L. MESSINGER, doing business as Sea-Net Manufacturing Company, Los Angeles, Calif. Filed July 14, 1941.

SEA-DIVE

FOR BODY SUPPORTED DIVING OUTFIT COMPRISING MASK AND AIR SUPPLY EQUIPMENT, FACE MASK, FISHING SPEARS AND HARPOONS, SPEAR-HEADS, AIR MASK, AND DEVICE FOR OBSERVING SUBMARINE LIFE.
Claims use since Oct. 12, 1939.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 439,557. POLAROID CORPORATION, Cambridge, Mass. Filed Jan. 10, 1941.

POLAROID

FOR HAND TOOLS IN THE NATURE OF PLIERS.
Claims use since September, 1940.

Ser. No. 441,142. RITTER DENTAL MANUFACTURING COMPANY, INC., Rochester, N. Y. Filed Mar. 1, 1941.



FOR MECHANISM FOR OPERATING WHEEL DOORS AND BOMB DOORS ON AIRPLANES, HYDRAULIC STRUTS FOR AIRPLANE WING FLAP ACTUATION, HYDRAULIC CYLINDERS FOR AIRPLANE PANEL FLAP ACTUATION, AIRPLANE ENGINE MOUNT ASSEMBLIES, AND MISCELLANEOUS GEAR BOXES FOR RAISING AND LOWERING LANDING GEARS.
Claims use since July 8, 1940.

Ser. No. 441,164. KORRECT KUTTING MFG. CO. INC., Glen Ellyn, Ill. Filed Mar. 3, 1941.

OK

FOR KNIFE HOLDERS AND BLADES FOR MEAT GRINDING MACHINES AND THE LIKE.
Claims use since May 1, 1913.

Ser. No. 444,489. BEVERAGE DISPENSERS, INC., Montclair, N. J. Filed June 13, 1941.

THIRST QUENCHER

FOR AUTOMATIC BEVERAGE VENDING MACHINES.
Claims use since Apr. 1, 1939.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 438,988. MOVIE-MITE CORPORATION, Kansas City, Mo. Filed Dec. 18, 1940.

Movie-Mite

No claim is made to the word "Movie" apart from the mark.
FOR MOVING PICTURE PROJECTORS.
Claims use since July 20, 1939.

Ser. No. 440,003. GENERAL REGISTER CORPORATION, New York, N. Y. Filed Jan. 27, 1941.

GENISTER

FOR ADDING MACHINES, TAXIMETERS, CALCULATING MACHINES, CASH REGISTERS.
Claims use since Dec. 26, 1940.

Ser. No. 442,668. ETIENNE NOIR, doing business as Etienne Noir Film Productions, Los Angeles, Calif. Filed Apr. 17, 1941.



The portrait is fanciful.
FOR MOTION PICTURE FILM FOR STILL AND SOUND PICTURES.
Claims use since Dec. 21, 1940.

Ser. No. 445,036. BAUSCH & LOMB OPTICAL COMPANY, Rochester, N. Y. Filed July 3, 1941.

STROLLER

FOR SUN GLASSES.
Claims use since June 7, 1940.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 444,020. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed May 28, 1941.

MERCURY

FOR ELECTRIC REFRIGERATORS.
Claims use since February, 1939.

Ser. No. 445,277. STANDARD REFRIGERATION SERVICE COMPANY, St. Louis, Mo. Filed July 11, 1941.

GROVAN

FOR ELECTRICAL WATER COOLERS.
Claims use since Apr. 25, 1941.

Ser. No. 445,544. THE COOLERATOR COMPANY, Duluth, Minn. Filed July 22, 1941.

COOLERATOR

FOR REFRIGERATORS.
Claims use since Feb. 10, 1930.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 445,465. THE HETTRICK MANUFACTURING COMPANY, Toledo, Ohio. Filed July 18, 1941.

Porc-A-Lastic

FOR TABLES.
Claims use since Apr. 2, 1941.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 438,005. THE GRISCOM RUSSELL COMPANY, New York, N. Y. Filed Nov. 18, 1940.

SOLOSHELL

FOR STILLS FOR PRODUCING DISTILLED WATER FROM IMPURE WATER.
Claims use since Aug. 18, 1938.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NON-METALLIC TIRES

Ser. No. 445,053. THE GENERAL TIRE & RUBBER COMPANY, Akron, Ohio. Filed July 3, 1941.

DUAL "8"

FOR PNEUMATIC TIRES.
Claims use since Oct. 5, 1937.

Ser. No. 445,176. THE GENERAL TIRE & RUBBER COMPANY, Akron, Ohio. Filed July 8, 1941.

HIGHWAY

FOR PNEUMATIC TIRES.
Claims use since Aug. 2, 1933.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 444,428. THE H. N. WHITE COMPANY, Cleveland, Ohio. Filed June 11, 1941.

AMERICAN CLIPPER

The term "American" is disclaimed apart from the mark.
FOR WIND INSTRUMENTS, PARTICULARLY CORNETS, TRUMPETS, TROMBONES, CLARINETS, SAXAPHONES, AND BASSES.
Claims use since May 15, 1941.

CLASS 37

PAPER AND STATIONERY

Ser. No. 443,353. J. WIDDER & CO., New York, N. Y. Filed May 7, 1941.



The portrait is fanciful.
FOR RECORD ALBUMS.
Claims use since Apr. 1, 1941.

Ser. No. 443,879. HENRY W. FENENBOCK, Los Angeles, Calif. Filed May 24, 1941.

PEN-O-GRAPH

The word "Pen" is disclaimed apart from the mark.
FOR STYLOGRAPHIC PEN.
Claims use since Apr. 30, 1941.

Ser. No. 444,149. JIFFY MANUFACTURING COMPANY, Hillside, N. J. Filed June 3, 1941.

DEXTAN

FOR WATERPROOF PAPER FOR USE IN MAKING BAGS AND FOR WRAPPING AND KINDRED PURPOSES WHERE WATERPROOFING IS DESIRED.
Claims use since Sept. 10, 1940.

Ser. No. 444,156. LINTON PENCIL COMPANY, Lewisburg, Tenn. Filed June 3, 1941.

Custom

FOR MECHANICAL PENCILS, LEADS, WOOD CASE PENCILS, FOUNTAIN PENCILS, AND PEN STAFFS.
Claims use since May 10, 1939.

Ser. No. 444,370. AMERICAN LEAD PENCIL COMPANY, Hoboken, N. J. Filed June 10, 1941.

ZIP

FOR RUBBER ERASERS.
Claims use since May 31, 1935.

Ser. No. 444,581. HOWARD L. ROSS CORPORATION, New York, N. Y. Filed June 16, 1941.

LUCKY DRAGON

FOR LETTER OPENERS.
Claims use since June 13, 1941.

CLASS 39

CLOTHING

Ser. No. 428,486. HELEN HULL JACOBS, San Francisco, Calif. Filed Feb. 12, 1940.

Helen Hull Jacobs

The mark is a facsimile of applicant's signature.
FOR MEN'S, WOMEN'S, AND CHILDREN'S SPORTSWEAR—NAMELY, SWEATERS, JACKETS, HATS, SUN SUITS, AND SLACKS.
Claims use since Oct. 29, 1936.

Ser. No. 433,479. DUO-TEX CORPORATION, Auburn, Maine. Filed Jnne 28, 1940.

DuoTex

FOR SHOE COUNTERS.
Claims use since Jan. 18, 1937.

Ser. No. 434,925. BELMONT TROUSER CO., Baltimore, Md. Filed Aug. 13, 1940.

Boogie Woogie

FOR TROUSERS FOR MEN AND BOYS.
Claims use since July 30, 1940.

Ser. No. 436,812. B. LOWENSTEIN & BROS. INC., Memphis, Tenn. Filed Oct. 10, 1940.

"Magic Classics"

The word "Classics" is disclaimed apart from the mark.

FOR SWEATERS, JACKETS, COATS, INCLUDING FABRIC COATS, WOOLEN COATS, RUBBER COATS, AND WATERPROOF COATS; SHOES, HAVING LEATHER OR RUBBER SOLES AND LEATHER AND/OR FABRIC UPPERS; AND ENSEMBLES AND SPORTS WEAR—NAMELY, FABRIC, WOOLEN, RUBBER OR WATER-PROOF COATS, HATS, CAPS, SWEATERS, JACKETS, SLACK SUITS AND PLAY SUITS FOR GIRLS AND YOUNG LADIES.

Claims use since Sept. 6, 1940.

Ser. No. 441,266. UNION BAG & PAPER CORPORATION, New York, N. Y. Filed Mar. 5, 1941.



The word "Adkap" is disclaimed apart from the mark.

FOR CAPS FOR PERSONAL WEAR, MADE OF PAPER OR OTHER MATERIAL.

Claims use since Mar. 1, 1937.

Ser. No. 441,311. CHARLES CREED, New York, N. Y. Filed Mar. 7, 1941. Under the act of February 20, 1905, as amended June 10, 1938.

Charles Creed.

The mark is a facsimile of the signature of Charles Creed.

FOR WOMEN'S AND GIRLS' SUITS, JACKETS, COATS, DRESSES, HATS, LEATHER AND FABRIC SHOES, LEATHER AND FABRIC GLOVES, HOSE, AND GOWNS, MEN'S AND BOYS' SUITS, COATS, JACKETS, SHIRTS, LEATHER AND FABRIC GLOVES, HATS, LEATHER AND FABRIC SHOES, NECKTIES AND HOSE.

Claims use since January, 1931.

Ser. No. 442,931. CARSON PIRIE SCOTT & COMPANY, Chicago, Ill. Filed April 25, 1941.

TOLTEC

FOR MEN'S NECKTIES.

Claims use since Dec. 1, 1940.

Ser. No. 443,014. PHILLIPS-JONES CORPORATION, New York, N. Y. Filed April 26, 1941.

LoNo

FOR MEN'S OUTER SHIRTS, PAJAMAS, COLLARS, NECKTIES, AND SCARFS.

Claims use since Mar. 15, 1941.

Ser. No. 443,359. DALY BROS. SHOE CO. INC., Boston, Mass. Filed May 8, 1941.

Mould-Ezie

The word "Ezie" is disclaimed apart from the mark.

FOR SHOES OF LEATHER, RUBBER, FABRIC, AND/OR COMBINATIONS THEREOF.

Claims use since Apr. 14, 1941.

Ser. No. 443,431. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Filed May 9, 1941.

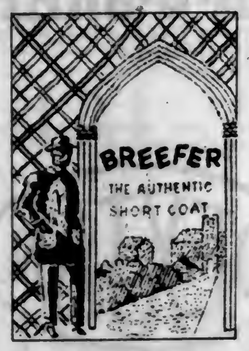
Carol Evans

The mark consists of the facsimile signature of Carol Evans, an employee of the applicant.

FOR LADIES' AND MISSES' DRESSES, SUITS, AND COATS.

Claims use since Feb. 5, 1941.

Ser. No. 443,533. DAVID D. DONIGER & CO., New York, N. Y. Filed May 13, 1941.



The words "The Authentic Short Coat" and "Breefer" are disclaimed apart from the mark.

FOR SPORT COATS FOR MEN AND BOYS.

Claims use since Apr. 1, 1941.

Ser. No. 443,626. B & O MANUFACTURING COMPANY, Baltimore, Md. Filed May 16, 1941.



FOR OVERALLS AND COATS, SUITS, PANTS, LUMBER JACKETS, AND MACKINAWS FOR MEN, WOMEN, AND CHILDREN.

Claims use since Apr. 15, 1941.

Ser. No. 443,674. WEMBLEY, INC., New Orleans, La. Filed May 17, 1941.



Applicant disclaims all wording and the representation of the necktie apart from the mark.

FOR MEN'S NECKTIES AND SCARFS.

Claims use since Apr. 1, 1939.

Ser. No. 443,708. LEON A. AXEL, LTD., New York, N. Y. Filed May 20, 1941.



FOR RAINCOATS FOR MEN, WOMEN, AND CHILDREN.

Claims use since Apr. 26, 1941.

Ser. No. 443,892. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Filed May 24, 1941.

Madge Davis

The mark consists of the facsimile signature of Madge Davis, an employee of applicant.

FOR LADIES' AND MISSES' DRESSES, SUITS, AND COATS.

Claims use since Oct. 2, 1936.

Ser No. 443,894. SCHAEFFER GARMENT CO., Cincinnati, Ohio. Filed May 24, 1941.



The picture is fanciful.

FOR CHILDREN'S AND LITTLE MISSES' COATS AND SUITS.

Claims use since June 1, 1939.

Ser. No. 444,198. MOCK, JUDSON, VOEHRINGER COMPANY OF NEW YORK, INC., Long Island City, N. Y. Filed June 4, 1941.

Twist de Chene

The word "Twist" is disclaimed apart from the mark.

FOR HOSIERY.

Claims use since May 29, 1941.

Ser. No. 444,384. MCMULLEN-LEAVENS COMPANY, INC., New York, N. Y. Filed June 10, 1941.

Collector's Classic

No claim is made to the word "Classic" apart from the mark.

FOR WOMEN'S DRESSES, BLOUSES, MEN'S OUTER SHIRTS, PAJAMAS, AND SHORTS.

Claims use since May 29, 1941.

Ser. No. 444,414. PETITE MISS, INC., New York, N. Y. Filed June 11, 1941.



The word "Bagdad" is disclaimed.

FOR LADIES' COATS.

Claims use since December, 1940.

Ser. No. 444,436. BLUE COMET DRESS CO., INC., New York, N. Y. Filed June 12, 1941.

Louray FASHIONS

The word "Fashions" is disclaimed apart from the mark.
FOR LADIES' AND MISSES' DRESSES AND DRESS AND JACKET COMBINATIONS.
Claims use since Sept. 15, 1939.

Ser. No. 444,448. JOSEPH GUTTMAN & BROS., INC., New York, N. Y. Filed June 12, 1941.

CORK-KNIT

The word "Knit" is disclaimed apart from the mark.
FOR LADIES' AND MISSES' KNITTED DRESSES, BLOUSES, SKIRTS, SLACKS, AND SWEATERS.
Claims use since Apr. 25, 1938.

Ser. No. 444,543. OLYMPIC KNITWEAR INC., New York, N. Y. Filed June 14, 1941.

JIFFY JERKIN
A TISH - U - KNIT
designed by LEON

The words "Jerkin", "Tish-U-Knit", and "designed by" are disclaimed apart from the mark.
FOR KNITTED SWEATERS.
Claims use since June 9, 1941.

Ser. No. 444,588. THE MEDLICOTT CO., Canal Bank, Windsor Locks, Conn. Filed June 16, 1941.

MEDLICOTT-MORGAN TRADE MARK

The words "Trade Mark" are disclaimed apart from the mark.
FOR MEN'S RIBBED UNDERWEAR.
Claims use since May, 1923.

Ser. No. 444,592. BIG JACK MANUFACTURING COMPANY, INC., Bristol, Va. Filed June 17, 1941.

BIG JACK

FOR OVERALLS, WORK SHIRTS, AND DRESS SHIRTS.
Claims use since Feb. 5, 1910.

Ser. No. 444,597. A. DAVIS & SONS, INC., New York, N. Y. Filed June 17, 1941.

SEASON MASTER
FASHIONED BY *Dae Derry*

The words "Fashioned by Dae Derry" are disclaimed apart from the mark.
FOR MISSES' COATS, SUITS, CAPES, JACKETS, AND COAT AND SUIT ENSEMBLES.
Claims use since January, 1934.

Ser. No. 444,601. MORGAN & GOETZE KNITTING MILLS, INC., Irvington, N. J. Filed June 17, 1941.

"British Cousins"

The word "British" is disclaimed apart from the mark.
FOR KNITTED SWEATERS.
Claims use since June 15, 1940.

Ser. No. 444,688. SHIELDS SLIPPER CORPORATION, Bombay, N. Y. Filed June 19, 1941.



No claim is made to the word "Ski" apart from the mark.
FOR MEN'S AND WOMEN'S AND CHILDREN'S BOOTS AND SHOES MADE OF LEATHER AND FABRICS.
Claims use since May 29, 1941.

Ser. No. 444,859. COOPER'S, INCORPORATED, Kenosha, Wis. Filed June 26, 1941.

Jockey

FOR UNDERWEAR, SUCH AS MEN'S AND BOYS' UNDERSHIRTS, UNDERDRAWERS, BOTH WITH AND WITHOUT LEGS, AS WELL AS DRAWERS HAVING AN ABDOMINAL SUPPORTING BAND, UNIONSUITS, AND HOSIERY.
Claims use on undershirts since Nov. 23, 1934; on underdrawers since Aug. 17, 1934; on unionsuits since Aug. 25, 1937; and on hosiery since Aug. 2, 1939.

Ser. No. 445,063. MANDELBAUM COATS, INC., New York, N. Y. Filed July 3, 1941.

MANDELLA

FOR WOMEN'S, MISSES', AND GIRLS' COATS, SUITS, AND JACKETS.
Claims use since December, 1935.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 442,759. SAMARKAND RUGS, INC., New York, N. Y. Filed Apr. 19, 1941.



FOR RUGS AND CARPETS.
Claims use since Nov. 15, 1940.

Ser. No. 444,572. LAWRENCE CONVERTERS, INC., New York, N. Y. Filed June 16, 1941.

ALL STAR

FOR SHEETS AND PILLOW CASES, AND BLANKETS MADE OF WOOL AND COTTON AND COMBINATIONS THEREOF.
Claims use since May 23, 1941.

Ser. No. 445,167. BELDING HEMINWAY COMPANY, New York, N. Y. Filed July 8, 1941.



FOR PIECE GOODS OF SILK, COTTON AND SILK, SILK AND WOOL, RAYON, AND OTHER SYNTHETIC FABRICS.
Claims use on piece goods of silk, cotton and silk, silk and wool, since 1893; and on rayon and other synthetic fabrics since 1922.

CLASS 43

THREAD AND YARN

Ser. No. 444,323. T. BUETTNER & CO. INC., Chicago, Ill. Filed June 9, 1941.

FLOCHELLE

FOR MERCERIZED COTTON EMBROIDERY THREADS.
Claims use since Feb. 1, 1923.

Ser. No. 444,327. JULIUS COHEN & SONS, INC., New York, N. Y. Filed June 9, 1941.

CONANSON

FOR COTTON, SILK, MERCERIZED, LINEN, AND RAYON THREAD, AND COTTON YARN.
Claims use since 1903.

Ser. No. 444,626. ROXY THREAD CORP., New York, N. Y. Filed June 17, 1941.

SPEEDIE



FOR SEWING THREAD.
Claims use since June 1, 1930.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 438,326. S. BLICKMAN, INC., Weehawken, N. J. Filed Nov. 29, 1940.

CONQUEROR LINE

The word "Line" is disclaimed apart from the mark.
FOR EQUIPMENT FOR HOSPITALS, CLINICS, HEALTH CENTERS, AND DOCTORS OFFICES—NAMELY, DRESSING CARRIAGES, WHEEL STRETCHERS, BATH STRETCHERS, BABY STRETCHERS, PLASTER, FRACTURE AND ORTHOPEDIC CARTS, OXYGEN TANK CARRIERS, BOOK TRUCKS, SALINE CARRIERS, BEDPAN CARRIERS, MORTUARY SUPPLY BOXES, MORGUE CONVEYORS, SALINE FLASK DISTRIBUTORS, ADJUSTABLE INSTRUMENT STANDS, SOLUTION STANDS, LINEN HAMPERS, INSTRUMENT AND DRESSING TABLES, IRRIGATOR STANDS, ARM IMMERSION STANDS, KICK BUCKETS, SPONGE RECEPTACLES, WALL UTENSIL STANDS, ANAESTHETIST AND SURGEONS STOOLS, FOOT STOOLS, SPONGE RACKS, GLOVE RACKS, ANAESTHETIST TABLES, STERILIZING DRUMS, CIRCULAR INSTRUMENT TABLES, ALCOHOL DISPENSERS, OBSERVATION STANDS, BASSINETTES IN SINGLE OR MULTIPLE UNITS WITH STANDS, ELECTRICALLY HEATED AND ISOLATION BASSINETTES, RESUSCITATION TUB STANDS, INFANTS' BATHING TABLES, INFANTS' DRESSING TABLES, INFANTS' EXAM-

INING TABLES, NURSERY TABLES, MILK FORMULA TABLES, BOTTLE WASHING UNITS, BUILT-IN AND FREE STANDING, INSTRUMENT, STORAGE OR COMBINATION CABINETS (ALL IN METAL) WITH OR WITHOUT GLASS, ALSO STEAMHEATED AND ELECTRICALLY HEATED BLANKET WARMING, SOLUTION WARMING AND BEDPAN WARMING CABINETS OR COMBINATION THEREOF, WALL HANGING METAL CABINETS WITH OR WITHOUT GLASS, METAL COUNTERS, FORMALDEHYDE CABINETS, X-RAY VIEWING CABINETS, UNDERWATER TREATMENT TANKS, METAL TUB ARM BATHS, METAL TUB LEG BATHS, UNDERWATER PLINTHS IN METAL, METAL COUCHES, CHAIRS AND FURNITURE FOR SUPPORTING PATIENTS DURING TREATMENT IN POOLS, METAL FLOW TUBS, METAL TUB IMMERSION BATHS, TREATMENT TUBS, METAL HYDROTHERAPEUTIC CONTROL TABLES, STRADDLE STANDS, IRRIGATION TABLES, MASSAGE TABLES, SHAMPOO TABLES, PACK TABLES, PACK BEDS, ELECTRIC LIGHT CABINETS, STEAM VAPOR CABINETS, HYDROTHERAPEUTIC SPRAY SHOWERS FOR THE TREATMENT OF MENTALLY DERANGED OR OTHER PATIENTS, METAL SITZ BATH, METAL FOOT BATHS, METAL PERINEAL CHAIRS AND STOOLS, SINGLE, DOUBLE, TRIPLE AND OTHER MULTIPLE METAL BED SCREENS, INDOOR AND OUTDOOR, ELECTRIC AND NON-ELECTRIC, INSULATED OR UNINSULATED FOOD CONVEYORS, ATTACHMENTS FOR THE ABOVE, SUCH AS COFFEE URNS, BEVERAGE DISPENSING PUMPS, ELECTRIC AND NON-ELECTRICAL, INSULATED OR UNINSULATED, ENCLOSED OR OPEN TYPES OF TRAY CONVEYORS, TRUCKS FOR SOILED DISHES AND GENERAL KITCHEN SERVICE TRUCKS, AND NOT INCLUDING OFFICE EQUIPMENT, SUCH AS DESKS, TABLES, CHAIRS, STANDS, STOOLS, FILE CABINETS, INDEXES, ETC., AND EQUIPMENT FOR MAKING, KEEPING AND HOUSING RECORDS.
Claims use since February, 1934.

Ser. No. 439,226. GOTHAM SALES CO. INC., doing business as Universal Merchandise Company, New York, N. Y. Filed Dec. 27, 1940.

Trianon

FOR PROPHYLACTIC RUBBER ARTICLES FOR THE PREVENTION OF CONTAGIOUS DISEASES.
Claims use since Nov. 1, 1939.

Ser. No. 439,522. GRACE ROLLY, doing business as Tra-Wave Company, Springfield, Mass. Filed Jan. 9, 1941.

TRA-WAVE

The word "Wave" is disclaimed apart from the mark.
FOR SACHETS OR PERMANENT WAVING PADS.
Claims use since Nov. 17, 1940.

Ser. No. 444,759. GENERAL HEALTH CORPORATION, Philadelphia, Pa. Filed June 23, 1941.

GRAND

FOR RUBBER NURSING NIPPLES AND RUBBER CAPS FOR NURSING BOTTLES.
Claims use since Apr. 29, 1941.

Ser. No. 445,367. THE SITROUX COMPANY, INC., New York, N. Y. Filed July 15, 1941.

Soothies

FOR SANITARY NAPKINS.
Claims use since November, 1938.

Ser. No. 445,371. THE STERILEK COMPANY, INC., New York, N. Y. Filed July 15, 1941.

Lady Dainty

FOR SANITARY NAPKINS.
Claims use since October, 1937.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 444,708. LONDON DRY GINGER ALE CO., Wilmington, Del. Filed June 20, 1941.

LONDON TOPPER

The word "London" is disclaimed apart from the mark.
FOR NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS.
Claims use since Jan. 21, 1938.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 424,757. ANTICICH CANNING COMPANY, INC., Biloxi, Miss. Filed Oct. 21, 1939.

Gulf Spray

FOR CANNED SHRIMP.
Claims use since Oct. 11, 1933.

Ser. No. 432,221. OZARK EMPIRE FRUIT EXCHANGE CO-OPERATIVE ASSOCIATION, Joplin, Mo. Filed May 22, 1940. Under the act of February 20, 1905, as amended June 10, 1938.

MEL-O-ZARK

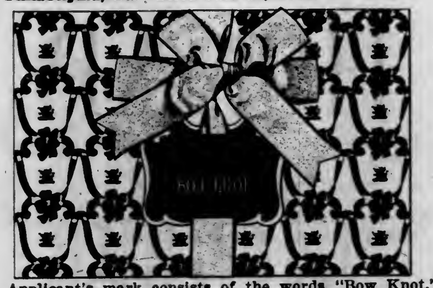
No claim is made to the word "Ozark" apart from the mark.
FOR FRESH FRUITS—NAMELY, APPLES.
Claims use since Mar. 29, 1940.

Ser. No. 432,864. PALO ALTO PRODUCTS CO., Boston, Mass. Filed June 10, 1940. Under the act of February 20, 1905, as amended June 10, 1938.



The mark consists of a conoidal band of relatively narrow width made of paper or other flexible material and disposed about the neck of the pineapple and having its ends crossed. Applicant claims only a band of the design shown. The representation of the pineapple is disclaimed.
FOR PINEAPPLES.
Claims use since Feb. 29, 1940.

Ser. No. 439,678. STEPHEN F. WHITMAN & SON, INC., Philadelphia, Pa. Filed Jan. 14, 1941.



Applicant's mark consists of the words "Bow Knot," a pictorial design composed of bow knots and griffins, and a ribbon tied in the form of a bow knot. No claim is made to the ribbon insofar as it may serve as a tieing medium for the container.
FOR CANDY.
Claims use since Nov. 11, 1940.

Ser. No. 442,582. WESTFELDT BROTHERS, New Orleans, La. Filed Apr. 14, 1941.



No claim is made to the words "Coatepec, Ver." and "Orduna" apart from the mark.
FOR GREEN COFFEE.
Claims use since October, 1940.

Ser. No. 443,241. R. B. WILSON, Brawley, Calif., and Phoenix, Ariz. Filed May 3, 1941.



FOR FRESH VEGETABLES.
Claims use since Mar. 23, 1941.

Ser. No. 443,537. HAWLEY HERMANOS, El Quetzal, Republic of Guatemala. Filed May 13, 1941.

HONAP

FOR COFFEE.
Claims use since 1919.

Ser. No. 444,673. HARDEMAN MILLING COMPANY, McAlester, Okla. Filed June 19, 1941.

BEST DRESS

No claim is made to the term "Best" apart from the mark.
FOR WHEAT FLOUR AND CORNMEAL.
Claims use since Apr. 12, 1937.

Ser. No. 444,722. AMERICAN DIETAIDS COMPANY, INC., Yonkers, N. Y. Filed June 21, 1941.

REEZON

FOR VEGETABLE SALT.
Claims use since Dec. 16, 1940.

Ser. No. 444,836. PABST-ETT CORPORATION, Chicago, Ill. Filed June 25, 1941.



FOR CHEESE.
Claims use since Sept. 13, 1940.

Ser. No. 444,853. EUGENE B. BAEHR & SONS, New York, N. Y. Filed June 26, 1941.

MERMAID

FOR FOOD FOR FISH.
Claims use since June 17, 1941.

Ser. No. 444,983. STRATHMORE FRUIT GROWERS ASSOCIATION, Strathmore, Calif. Filed June 30, 1941.

BONNIE DOON

FOR FRESH CITRUS FRUITS.
Claims use since 1916.

Ser. No. 445,376. BONOIL PACKING CORP., Brooklyn, N. Y. Filed July 16, 1941.



FOR OLIVE OIL.
Claims use since Feb. 13, 1941.

CLASS 47

WINES

Ser. No. 443,931. ITALIAN VINEYARD COMPANY, Los Angeles, and Guasti, Calif. Filed May 26, 1941.



No claim is made to the word "Taste" apart from the mark.
FOR WINES.
Claims use since Apr. 11, 1941.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 429,750. THE F. & M. SCHAEFER BREWING CO., Brooklyn, N. Y. Filed Mar. 19, 1940.



FOR BEER.
Claims use since Nov. 15, 1938.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 432,714. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Filed June 6, 1940.



The word "Rum" is disclaimed apart from the mark.
FOR RUM.
Claims use since Apr. 9, 1940.

Ser. No. 432,715. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Filed June 6, 1940.



The word "Rum" is disclaimed apart from the mark.
FOR RUM.
Claims use since May 20, 1940.

Ser. No. 444,216. JOHN DE KUYPER & SON, INC., New York, N. Y. Filed June 5, 1941.

DELECTINE

FOR LIQUEUR.
Claims use since Apr. 9, 1941.

Ser. No. 444,394. PHILIP BLUM & COMPANY, INC., Chicago, Ill. Filed June 11, 1941.

BURJANI

FOR BRANDY.
Claims use since Feb. 15, 1935.

Ser. No. 444,564. CAMEO VINEYARDS CO., Fresno, Calif. Filed June 16, 1941.

RUBAIYAT

FOR BRANDY.
Claims use since Feb. 17, 1941.

Ser. No. 444,754. CAMEO VINEYARDS CO., Fresno, Calif. Filed June 23, 1941.

CROIX ROYALE

FOR BRANDY.
Claims use since June 9, 1941.

Ser. No. 444,919. STITZEL-WELLER DISTILLERY, Shively, Ky., assignor to Frank Berkelich, doing business as Garden Lounge, Hibbing, Minn. Filed June 27, 1941.

GARDEN LOUNGE

FOR WHISKEY.
Claims use since May 14, 1941.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 440,776. FANNIE DUBINSKY, doing business as Markee Studio, Los Angeles, Calif. Filed Feb. 19, 1941.

Markee

FOR APPLIQUES FORMED FROM FIGURED CLOTH, FOR MURAL DECORATION PURPOSES.
Claims use since Sept. 2, 1939.

Ser. No. 443,855. PARAGON ART & LINEN CO. INC., New York, N. Y. Filed May 23, 1941.

PARAGON PLASTICRAFT

FOR TABLE MATS MADE OF ACETATE WITH DECORATIVE DESIGNS THEREON.

Claims use since Feb. 10, 1941.

Ser. No. 444,246. ACME BACKING CORPORATION, New York and Brooklyn, N. Y. Filed June 6, 1941.

DOUBLETEX

FOR PROCESSED REENFORCING MATERIAL AND SHOE LININGS MADE IN SHEET FORM OF COTTON AND RUBBERIZED MATERIAL AND ADHESIVE.

Claims use since January, 1939.

Ser. No. 444,341. I. B. KLEINERT RUBBER COMPANY, New York, N. Y. Filed June 9, 1941.

PERMASHEEN

FOR PLAY-PEN RUGS, HIGH CHAIR PADS, NURSERY CHAIR PADS, SCALE PADS, BASKET PADS, AND TABLE TRAINING CHAIR PADS, ALL MADE OF WATER PROOFED OR RUBBERIZED FABRICS.

Claims use since May 27, 1941.

Ser. No. 444,627. AMERICAN SHEET METAL WORKS, New Orleans, La. Filed June 18, 1941.

CRESCENT

FOR RAT GUARDS.

Claims use since June 15, 1936.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

SEPTEMBER 2, 1941

389,968. RUM, ALCOHOLIC COCKTAILS, AND BEVERAGES CONTAINING SUBSTANTIAL PORTIONS OF RUM. PUERTO RICO DISTILLING COMPANY, Arecibo, P. R.

Filed June 16, 1937. Serial No. 394,146. PUBLISHED JANUARY 4, 1938. Class 49.

389,969. SCOTCH WHISKY. JOHN ROBERTSON & SON LIMITED, Dundee, Scotland.

Filed July 28, 1937. Serial No. 395,721. PUBLISHED JUNE 17, 1941. Class 49.

389,970. SAFETY LOCKOUT VALVE AND WARNING SIGNAL UNITS FOR HYDRAULIC BRAKES. HOOF PRODUCTS COMPANY, Chicago, Ill.

Filed November 3, 1938. Serial No. 412,340. PUBLISHED JUNE 24, 1941. Class 19.

389,971. POTATOES IN THEIR NATURAL STATE. H. E. ROTLAND, Presque Isle, Maine.

Filed April 8, 1939. Serial No. 418,014. PUBLISHED MARCH 26, 1940. Class 46.

389,972. CARBONATED WATER, GINGER ALE, AND OTHER NONALCOHOLIC, MALTLESS, NONCEREAL BEVERAGES. PIERRE G. FUGER, doing business as Sprudel Water Company, Mount Clemens, Mich.

Filed April 11, 1939. Serial No. 418,098. PUBLISHED JUNE 24, 1941. Class 45.

389,973. GOGGLES AND SUNGLASSES. FOSTER GRANT CO. INC., Leominster, Mass.

Filed April 21, 1939. Serial No. 418,521. PUBLISHED JUNE 27, 1939. Class 26.

389,974. WINES. DAVID PENDER GROCERY COMPANY, Norfolk, Va.

Filed January 22, 1940. Serial No. 427,715. PUBLISHED JUNE 24, 1941. Class 47.

389,975. FROZEN FOODS—NAMELY, FROZEN FISH, FROZEN SHELL FISH, FROZEN VEGETABLES, AND FROZEN FRUITS. GOOD HUMOR CORPORATION OF AMERICA, Brooklyn, N. Y., assignor to Good Humor Corporation, Brooklyn, N. Y., a corporation of New York.

Filed February 21, 1940. Serial No. 428,750. PUBLISHED JUNE 24, 1941. Class 46.

389,976. MIXTURE OF ARGILLACEOUS AND CARBONACEOUS MATERIALS FOR BLANKETING AND INSULATING PURPOSES IN THE SINK HEADS OF INGOT MOLDS. BARIUM AND CHEMICALS, INC., Willoughby, Ohio.

Filed March 20, 1940. Serial No. 429,760. PUBLISHED JUNE 24, 1941. Class 1.

389,977. CLEANER FOR FALSE TEETH AND DENTAL PLATES. FALSODENT COMPANY, Brooklyn, N. Y.

Filed April 8, 1940. Serial No. 430,574. PUBLISHED JUNE 18, 1940. Class 4.

389,978. CHEESE AND FRESH, EVAPORATED, AND CONDENSED MILK. SOCIETÀ ANONIMA LAVORAZIONE FORMAGOI "SALFO," Genoa and Genoa-Sampierdarena, Italy.

Filed April 15, 1940. Serial No. 430,805. PUBLISHED JUNE 24, 1941. Class 46.

389,979. BEER. MINNEAPOLIS BREWING COMPANY, Minneapolis, Minn.

Filed May 8, 1940. Serial No 431,694. PUBLISHED JUNE 24, 1941. Class 48.

389,980. AUTOMOTIVE GEARS INCLUDING DRIVE GEARS AND PINIONS, FLYWHEEL GEARS, TRANSMISSION GEARS, ETC. NATIONAL AUTOMOTIVE PARTS ASSOCIATION, Detroit, Mich.

Filed May 8, 1940. Serial No. 431,705. PUBLISHED JUNE 24, 1941. Class 23.

389,981. PIECE GOODS OF SILK, COTTON, LINEN, WOOL, RAYON, ACETATE, AND OF OTHER MATERIALS, ETC. AQUA-SEC CORPORATION, New York, N. Y.

Filed July 12, 1940. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 433,879. PUBLISHED JUNE 24, 1941. Class 42

389,982. POLISHING WAX COMPOUND. CANDY AND COMPANY, INC., Chicago, Ill.

Filed September 16, 1940. Serial No. 436,001. PUBLISHED JUNE 24, 1941. Class 16.

389,983. ARTIFICIAL TEETH. VITA ZAHNFABRIK H. RAUTER o. H. G., Essen, Germany.

Filed September 18, 1940. Serial No. 436,105 PUBLISHED MARCH 4, 1941. Class 44.

389,984. ALCOHOLIC APERITIVES. PINI HNOS. & CIA. LTDA., SOCIEDAD ANÓNIMA COMERCIAL E INDUSTRIAL, Buenos Aires, Argentina.

Filed September 26, 1940. Serial No. 436,400. PUBLISHED JUNE 3, 1941. Class 49.

389,985. FRESH CITRUS FRUITS. NATIONAL ORANGE COMPANY, Riverside, Calif.

Filed September 28, 1940. Serial No. 436,478 PUBLISHED JUNE 24, 1941. Class 46.

389,986. CHILDREN'S TRAINING TOILET SEATS. CLARENCE G. CARLSON, Oakland, Calif.

Filed October 25, 1940. Serial No. 437,268. PUBLISHED JUNE 24, 1941. Class 13.

389,987. DISTILLED ALCOHOLIC LIQUEUR. VICTOR M. RAMIREZ, doing business as V. M. Ramirez y Cia., Mayaguez, P. R.

Filed November 4, 1940 Serial No. 437,574. PUBLISHED JUNE 10, 1941. Class 49.

389,988. ELECTRIC INCANDESCENT LAMPS, ELECTRIC FLUORESCENT LAMPS, AND ELECTRIC FUSES. WARREN LAMP COMPANY, Warren, Pa.

Filed November 26, 1940. Serial No. 438,253. PUBLISHED JUNE 24, 1941. Class 21.

389,989. WHEAT FLOUR. EAST COAST MILLING CORP., New York, N. Y.

Filed December 21, 1940. Serial No. 439,141. PUBLISHED APRIL 22, 1941. Class 46.

389,990. CANDY. PAUL F. BEICH COMPANY, Bloomington, Ill.

Filed January 31, 1941. Serial No. 440,142. PUBLISHED JUNE 24, 1941. Class 46.

389,991. POWER TOOLS—NAMELY, TABLE SAWS, JOINTERS, DRILL PRESSES, BAND SAWS, SHAPERS, ROUTERS, CARVERS, ETC. DURO METAL PRODUCTS COMPANY, Chicago, Ill.

Filed February 1, 1941. Serial No. 440,194. PUBLISHED MAY 20, 1941. Class 23.

389,992. ELECTRICAL ACCESSORIES, APPARATUS, APPLIANCES, AND SUPPLIES — NAMELY, BULBS, RECTIFIERS, CONTACTS, FUSES, ETC. NEW YORK SPECIALTIES SUPPLY CO., INC., New York, N. Y.

Filed February 5, 1941. Serial No. 440,339. PUBLISHED JUNE 24, 1941. Class 21.

389,993. ADSORBENTS PREPARED FROM NATURAL EARTH. FLORIDIN COMPANY, Warren, Pa.
Filed February 17, 1941. Serial No. 440,717. PUBLISHED JUNE 24, 1941. Class 1.

389,994. PRECISION LENGTH STANDARDS. GEORGE SCHERR COMPANY, New York N. Y.
Filed February 18, 1941. Serial No. 440,759. PUBLISHED JUNE 24, 1941. Class 26.

389,995. PUMPS. HAUSE VALVE COMPANY, Wichita, Kans., and Montpelier, Ohio.
Filed February 20, 1941. Serial No. 440,815. PUBLISHED JUNE 24, 1941. Class 23.

389,996. HAND-OPERATED PORTABLE FIRE EXTINGUISHERS. PYRENE MANUFACTURING COMPANY, Newark, N. J.
Filed February 24, 1941. Serial No. 440,955. PUBLISHED JUNE 24, 1941. Class 23.

389,997. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS AND CONCENTRATES FOR MAKING THE SAME. WOCKY PRODUCTS COMPANY, Kansas City, Kans., assignor to Wocky Products Company, Inc., Kansas City, Kans.
Filed February 24, 1941. Serial No. 440,970. PUBLISHED JUNE 24, 1941. Class 45.

389,998. COTTON, RAYON, ACETATE, AND/OR SILK PIECE GOODS. COHN-HALL-MARX CO., New York, N. Y.
Filed February 28, 1941. Serial No. 441,084. PUBLISHED JUNE 24, 1941. Class 42.

389,999. BRANDY. GORDON O'NEILL CO., INC., Jersey City, N. J.
Filed March 1, 1941. Serial No. 441,132. PUBLISHED JUNE 10, 1941. Class 49.

390,000. NON-ALCOHOLIC, MALTLESS BEVERAGES AND CONCENTRATES AND COMPOUNDS FOR MAKING THE SAME. ORANGE-CRUSH COMPANY, Chicago, Ill.
Filed March 5, 1941. Serial No. 441,253. PUBLISHED JUNE 24, 1941. Class 45.

390,001. STEELS USED FOR TOOLS. SWEDISH STEEL MILLS' A. A., INC., New York, N. Y.
Filed March 12, 1941. Serial No. 441,494. PUBLISHED JUNE 24, 1941. Class 14.

390,002. SMOKING TOBACCO AND CIGARS. OWL SHOP, New Haven, Conn.
Filed March 15, 1941. Serial No. 441,588. PUBLISHED JUNE 24, 1941. Class 17.

390,003. CHOCOLATE FLAVORED PREPARATION IN POWDER FORM FOR USE IN MAKING FOOD DRINKS. HORLICK'S MALTED MILK CORPORATION, Racine, Wis.
Filed March 19, 1941. Serial No. 441,702. PUBLISHED JUNE 24, 1941. Class 46.

390,004. ELECTRIC SWITCHES, ELECTRIC FUSE BOXES AND COMBINED SWITCH AND FUSE BLOCK STRUCTURES, ETC. THE WADSWORTH ELECTRIC MFG. CO., INC., Covington, Ky.
Filed March 20, 1941. Serial No. 441,753. PUBLISHED JUNE 24, 1941. Class 21.

390,005. TRACTOR FUEL CONSUMPTION METERS. DEERE & COMPANY, Moline, Ill.
Filed March 21, 1941. Serial No. 441,765. PUBLISHED JUNE 24, 1941. Class 26.

390,006. QUICK-FROZEN FRUITS, BERRIES, AND VEGETABLES. GENERAL ICE CREAM CORPORATION, Schenectady, N. Y.
Filed March 22, 1941. Serial No. 441,818. PUBLISHED JUNE 24, 1941. Class 46.

390,007. CHEESE, ALIMENTARY PASTE PRODUCTS, PREPARED SOUP MIXTURES, AND DEHYDRATED VEGETABLES. TRAFICANTI BROTHERS, also doing business as Traficanti Bros., Chicago, Ill.
Filed March 24, 1941. Serial No. 441,886. PUBLISHED JUNE 24, 1941. Class 46.

390,008. WHISKEY. CENTURY DISTILLING COMPANY, Peoria, Ill.
Filed March 26, 1941. Serial No. 441,946. PUBLISHED JUNE 10, 1941. Class 49.

390,009. CANNED BLUEBERRIES. H. L. FORHAN CO., Portland, Maine.
Filed March 31, 1941. Serial No. 442,119. PUBLISHED JUNE 24, 1941. Class 46.

390,010. PAINT ENAMEL. GREAT LAKES VARNISH WORKS, INC., Chicago, Ill.
Filed March 31, 1941. Serial No. 442,127. PUBLISHED JUNE 24, 1941. Class 16.

390,011. TOOTHBRUSHES. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed March 31, 1941. Serial No. 442,146. PUBLISHED JUNE 24, 1941. Class 29.

390,012. APPARATUS FOR DISPENSING LIQUEFIED PETROLEUM GAS FOR LIGHTING, HEATING AND POWER PURPOSES, ETC. BAKER-FLEMING FARM GAS COMPANY, Lockney, Tex.
Filed April 1, 1941. Serial No. 442,159. PUBLISHED JUNE 24, 1941. Class 34.

390,013. COAL. THE KEARNS COAL COMPANY, Cincinnati, Ohio.
Filed April 1, 1941. Serial No. 442,175. PUBLISHED JUNE 24, 1941. Class 1.

390,014. FEEDS FOR DOMESTIC ANIMALS KNOWN TO ANIMAL HUSBANDRY, SUCH AS CATTLE, HORSES, MULES, SHEEP, AND GOATS, AND POULTRY KNOWN TO POULTRY HUSBANDRY, INCLUDING CHICKENS, DUCKS, GEESE, TURKEYS, AND GUINEA HENS. ANDERSON, CLAYTON & Co., Houston, Tex.
Filed April 2, 1941. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 442,182. PUBLISHED JUNE 24, 1941. Class 46.

390,015. WRAPPING PAPER. NEKOOSA-EDWARDS PAPER COMPANY, Port Edwards, Wis.
Filed April 2, 1941. Serial No. 442,202. PUBLISHED JUNE 10, 1941. Class 37.

390,016. FRESH VEGETABLES—NAMELY, FRESH CELERY. VENICE CELERY DISTRIBUTORS, Los Angeles, Calif.
Filed April 2, 1941. Serial No. 442,221. PUBLISHED JUNE 24, 1941. Class 46.

390,017. FRESH VEGETABLES—NAMELY, FRESH CELERY. VENICE CELERY DISTRIBUTORS, Los Angeles, Calif.
Filed April 2, 1941. Serial No. 442,222. PUBLISHED JUNE 24, 1941. Class 46.

390,018. FABRIC AUTOMOBILE ACCESSORIES IN THE NATURE OF SEAT COVERS, PASSENGER COMPARTMENT PROTECTIVE COVERINGS, AND RADIATOR COVERS. J. CLINTON MEUNIER, doing business as Trimline Manufacturing Co., Kansas City, Mo.
Filed April 7, 1941. Serial No. 442,363. PUBLISHED JUNE 24, 1941. Class 19.

390,019. COAL. TRUAX-TRAER COAL COMPANY, Chicago, Ill.
Filed April 7, 1941. Serial No. 442,376. PUBLISHED JUNE 24, 1941. Class 1.

390,020. BAKING OVENS. THE PETERSEN OVEN COMPANY, Chicago, Ill.
Filed April 9, 1941. Serial No. 442,428. PUBLISHED JUNE 24, 1941. Class 34.

390,021. LACES, EMBROIDERIES, AND TEXTILE FABRICS IN THE PIECE. SOLOMON & BIRNBAUM, INC., New York, N. Y.
Filed April 11, 1941. Serial No. 442,500. PUBLISHED JUNE 24, 1941. Class 42.

390,022. MAIN SPRINGS FOR WATCHES. HERMAN SCHAFRAN, doing business as Cosmopolitan Watch Material Importing Co., New York, N. Y.
Filed April 15, 1941. Serial No. 442,606. PUBLISHED JUNE 24, 1941. Class 27.

390,023. INDEXING CARDS. VISTEM CORPORATION, New York, N. Y.
Filed April 16, 1941. Serial No. 442,645. PUBLISHED JUNE 24, 1941. Class 37.

390,024. PRINTING PAPER, WRITING PAPER, BOOK PAPER, AND NEWSPRINT PAPER. MINNESOTA AND ONTARIO PAPER COMPANY, Minneapolis and International Falls, Minn.
Filed April 17, 1941. Serial No. 442,667. PUBLISHED JUNE 24, 1941. Class 37.

390,025. ELECTRIC LIGHTING FIXTURES, PARTICULARLY FLUORESCENT COMMERCIAL FIXTURES. DAY-BRITE LIGHTING, INC., St. Louis, Mo.
Filed April 19, 1941. Serial No. 442,745. PUBLISHED JUNE 24, 1941. Class 21.

390,026. METAL-WORKING MACHINERY—VIZ., BORING MILLS, DRILLING MACHINES, STAMPING MACHINES, AND MACHINES FOR PLANING, SLOTTING, SHAPING, PUNCHING, AND SHEARING METALS AND PARTS OF SUCH MACHINES. DEFIANCE MACHINE WORKS, INC., Toledo, Ohio.
Filed April 19, 1941. Serial No. 442,747. PUBLISHED JUNE 24, 1941. Class 23.

390,027. ELECTRICALLY OPERATED SHAVING DEVICES. AMERICAN SUPERCRAFT CORPORATION, Chicago, Ill.
Filed April 21, 1941. Serial No. 442,770. PUBLISHED JUNE 24, 1941. Class 23.

390,028. SAFETY RAZORS. AUTOSTROP SALES COMPANY, INC., Boston, Mass.
Filed April 21, 1941. Serial No. 442,775. PUBLISHED JUNE 24, 1941. Class 23.

390,029. CHAMOIS. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y.
Filed April 22, 1941. Serial No. 442,829. PUBLISHED JUNE 24, 1941. Class 1.

390,030. LENS CLEANING PAPER. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y.
Filed April 22, 1941. Serial No. 442,834. PUBLISHED JUNE 24, 1941. Class 37.

390,031. PHOTOGRAPHIC CAMERAS. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y.
Filed April 22, 1941. Serial No. 442,836. PUBLISHED JUNE 24, 1941. Class 26.

390,032. CLEANER AND POLISH FOR METALS, GLASS, AND PORCELAIN. LEOPOLDINE NOTTEBAUM, Newark, N. J.
Filed April 24, 1941. Serial No. 442,915. PUBLISHED JUNE 24, 1941. Class 4.

390,033. RADIATOR HOSE. RAYBESTOS-MANHATTAN, INC., Passaic, N. J.
Filed April 25, 1941. Serial No. 442,974. PUBLISHED JUNE 24, 1941. Class 35.

390,034. LAMINATED ADHESIVE MOUNTING SHEETS. TRANSOGRAPH CORPORATION, New York, N. Y.
Filed April 26, 1941. Serial No. 443,023. PUBLISHED JUNE 24, 1941. Class 37.

390,035. COAL. THE MAUMEE COLLIERIES COMPANY, Terre Haute, Ind.
Filed April 28, 1941. Serial No. 443,046. PUBLISHED JUNE 24, 1941. Class 1.

390,036. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. DISTILLED LIQUORS CORPORATION, New York, N. Y.
Filed April 29, 1941. Serial No. 443,073. PUBLISHED JUNE 10, 1941. Class 49.

390,037. CLAY USED IN THE BODY COMPOSITION OF CERAMIC WARE. GEORGIA KAOLIN COMPANY, Elizabeth, N. J.
Filed April 29, 1941. Serial No. 443,084. PUBLISHED JUNE 24, 1941. Class 1.

390,038. WATCHES—NAMELY, WRIST OR STRAP WATCHES. BULOVA WATCH COMPANY, INC., New York, N. Y.
Filed April 30, 1941. Serial No. 443,106. PUBLISHED JUNE 24, 1941. Class 27.

390,039. CIGARETTE PAPER. ECUSTA PAPER CORPORATION, Pisgah Forest, N. C.
Filed April 30, 1941. Serial No. 443,119. PUBLISHED JUNE 24, 1941. Class 8.

390,040. CULTURE FOR SOUR RYE BREADS. STANDARD BRANDS INCORPORATED, New York, N. Y.
Filed April 30, 1941. Serial No. 443,139. PUBLISHED JUNE 24, 1941. Class 46.

390,041. BRANDY. G. F. HEUBLEIN & BRO., Hartford, Conn.
Filed May 1, 1941. Serial No. 443,160. PUBLISHED JUNE 10, 1941. Class 49.

390,042. SHEETS AND PILLOWCASES. PACIFIC MILLS, Lawrence and Boston, Mass.
Filed May 1, 1941. Serial No. 443,172. PUBLISHED JUNE 24, 1941. Class 42.

390,043. RUBBER-TIPPED DARTS IN THE FORM OR SHAPE OF A MINIATURE AIRPLANE. SPOTSWOOD SPECIALTY COMPANY, Lexington, Ky.
Filed May 2, 1941. Serial No. 443,209. PUBLISHED JUNE 24, 1941. Class 22.

390,044. CANNED OLIVES. CALIFORNIA OLIVE GROWERS PACKING CORP., Los Angeles and Terra Bella, Calif.
Filed May 3, 1941. Serial No. 443,219. PUBLISHED JUNE 24, 1941. Class 46.

390,045. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed May 3, 1941. Serial No. 443,220. PUBLISHED JUNE 24, 1941. Class 42.

390,046. COTTON PIECE GOODS, PARTICULARLY CHINTZ. LORD & TAYLOR, New York, N. Y.
Filed May 3, 1941. Serial No. 443,234. PUBLISHED JUNE 24, 1941. Class 42.

390,047. DAMASK, RAYON, AND COTTON TABLE CLOTHS AND NAPKINS. KANEMATSU TRADING CORPORATION, New York, N. Y.
Filed May 5, 1941. Serial No. 443,253. PUBLISHED JUNE 24, 1941. Class 42.

390,048. NON-ALCOHOLIC, CEREAL, MALTLESS BEVERAGES, AND SYRUPS FOR MAKING THE SAME, AND CARBONATED WATER. TRY-IT BOTTLING CO. INC., Lackawanna, N. Y.
Filed May 6, 1941. Serial No. 443,308. PUBLISHED JUNE 24, 1941. Class 45.

390,049. GARDEN HOSE. W. T. GRANT COMPANY, New York, N. Y.
Filed May 8, 1941. Serial No. 443,361. PUBLISHED JUNE 24, 1941. Class 35.

390,050. TEXTILE FABRICS IN THE PIECE MADE OF WOOL, COTTON, SILK, RAYON, AND MIXTURES THEREOF. MARVLO MILLS INC., New York, N. Y.
Filed May 9, 1941. Serial No. 443,421. PUBLISHED JUNE 24, 1941. Class 42.

390,051. RUBBER AND RUBBER CONTAINING PNEUMATIC TIRES AND TUBES FOR VEHICLE WHEELS. THE PHARIS TIRE AND RUBBER COMPANY, Newark, Ohio.
Filed May 16, 1941. Serial No. 443,642. PUBLISHED JUNE 24, 1941. Class 35.

390,052. BEER. THE GENESEE BREWING COMPANY, INC., Rochester, N. Y.
Filed May 19, 1941. Serial No. 443,691. PUBLISHED JUNE 24, 1941. Class 48.

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

390,053. (CLASS 39. CLOTHING.) MICHAELS, STERN & Co. INC., Rochester, N. Y. Filed May 22, 1939. Serial No. 419,675.

KULA

FOR MEN'S AND BOYS' SUITS.
Claims use since October, 1935.

390,054. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MOBILE PAINT MANUFACTURING COMPANY OF DELAWARE, INC., doing business as Arlington Paint Works, Wilmington, Del., and Mobile, Ala. Filed Nov. 7, 1939. Serial No. 425,359.

STA-RITE

FOR PAINTS AND PAINT ENAMELS.
Claims use since Oct. 12, 1931.

390,055. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE LAUSON COMPANY, New Holstein, Wis. Filed Jan. 8, 1940. Serial No. 427,248.

LAUSON SPORT KING LAUSON

FOR OUTBOARD MOTORS.
Claims use since Dec. 21, 1939.

390,056. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DAIRIPURE CORPORATION, New York, N. Y. Filed June 5, 1940. Serial No. 432,677.

Dairipure

FOR ICE CREAM.
Claims use since May 21, 1940.

390,057. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) INDUSTRIAL ABRASIVES, INC., Chicago, Ill. Filed June 24, 1940. Serial No. 433,316.

Non Clogger

FOR ABRASIVE DISCS.
Claims use since May 11, 1940.

390,058. (CLASS 39. CLOTHING.) GLENDALE FROCKS, INC., New York, N. Y. Filed July 15, 1940. Serial No. 433,971.

"Go-togethers"

FOR LADIES' AND MISSES' DRESSES, BLOUSES, OUTER SKIRTS, SPORT JACKETS, SLACKS, SHORTS FOR OUTER WEAR, PAJAMAS; PLAY SUITS, BATHING SUITS, AND BEACH ROBES.
Claims use since June 15, 1940.

390,059. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) INTERNATIONAL FLOUNCING CO., INC., New York, N. Y. Filed July 17, 1940. Serial No. 434,071.

Sta-Crisp

FOR TEXTILE CURTAINS AND DRAPES.
Claims use since May 31, 1940.

390,060. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE E. W. CARPENTER MANUFACTURING COMPANY, Bridgeport, Conn. Filed July 26, 1940. Serial No. 434,356.

Eversharp

FOR CAN OPENERS.
Claims use since July 9, 1940.

390,061. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) EX-CEL BATTERY & EQUIPMENT COMPANY, Chicago, Ill. Filed Nov. 6, 1940. Serial No. 437,619.

EXCEL

FOR STORAGE BATTERIES.
Claims use since July, 1919.

390,062. (CLASS 45. BEVERAGES, NONALCOHOLIC.) THE SEVEN-UP BOTTLING COMPANY, Jennings, La. Filed Nov. 8, 1940. Serial No. 437,699.

Pop Rouge

FOR NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGE, SOLD AS A SOFT DRINK, AND SIRUP AND EXTRACT FOR MAKING THE SAME.
Claims use since June 26, 1940.

390,063. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) REID, MURDOCH & Co., Chicago, Ill. Filed Dec. 26, 1940. Serial No. 439,208.

SHORTCAKE

FOR CANNED PEACHES.
Claims use since September, 1935.

390,064. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) C. G. CONN, LTD., Elkhart, Ind. Filed Mar. 10, 1941. Serial No. 441,389.

CONN

FOR ELECTRIC STROBOSCOPES.
Claims use since Mar. 16, 1938.

390,065. (CLASS 2. RECEPTACLES.) CRAWFORD METAL CRAFTSMEN, INC., Galion, Ohio. Filed May 14, 1941. Serial No. 443,558.

The Memorial BURIAL VAULT

FOR METAL BURIAL VAULTS.
Claims use since July 14, 1938.

390,066. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HOUBIGANT, INC., New York, N. Y. Filed May 14, 1941. Serial No. 443,566.



FOR PERFUME AND TOILET WATER, FACE POWDER, TALCUM POWDER, DUSTING POWDER, BATH SALTS, BRILLIANTINE, BANDOLINE, ROUGE, LIPSTICKS, SACHET, COLD CREAMS, LOTION FOR THE SKIN AND HAIR, POWDER AND ROUGE COMPACTS.
Claims use since June, 1940.

390,067. (CLASS 39. CLOTHING.) ALPERIN STRAUSS CO., New York, N. Y. Filed May 19, 1941. Serial No. 443,677.

Sedgwick

FOR DRESS, NEGLIGEE, AND WORK SHIRTS, AND PAJAMAS.
Claims use since Mar. 26, 1934.

390,068. (CLASS 12. CONSTRUCTION MATERIALS.) THE RUBEROID CO., Boundbrook, N. J., and New York, N. Y. Filed June 7, 1941. Serial No. 444,307.

DUBL-COVERAGE

FOR MINERAL SURFACE ROOFING.
Claims use since Sept. 6, 1935.

390,069. (CLASS 2. RECEPTACLES.) NO-MAR PRODUCTS, INC., New York, N. Y. Filed June 11, 1941. Serial No. 444,412.

NO-MAR

FOR HAT PACKING BOXES AND RETAINING DEVICES EMPLOYED THEREIN.
Claims use since May, 1940.

390,070. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BATCHELLER'S, Sioux Falls, S. Dak. Filed June 11, 1941. Serial No. 444,482.

RUSHMORE

FOR CATTLE, HOG, AND POULTRY FEED.
Claims use since January, 1940.

TRADE-MARK REGISTRATIONS RENEWED

20,033. **SUGARETTES.** SMALL SUGARED STICKS OF CANDY. Registered August 18, 1891. CHASE & COMPANY CORPORATION, Boston, Mass. Re-renewed August 18, 1941, to New England Confectionery Company, Cambridge, Mass., a corporation of Massachusetts, successor.

20,178. **CIGARETTES.** SMALL SUGARED STICKS OF CANDY. Registered September 29, 1891. CHASE & COMPANY CORPORATION, Boston, Mass. Re-renewed September 29, 1941, to New England Confectionery Company, Cambridge, Mass., a corporation of Massachusetts, successor.

143,966. **GRANGERS.** GROUND LIMESTONE. Registered June 21, 1921. GRANGERS LIME COMPANY. Renewed June 21, 1941, to Grangers Manufacturing Company, Boston, Mass., a corporation of Massachusetts, by change of name.

144,638. **SASCHA B D B.** HAIR-TONIC, SHAMPOO, AND HAIR-CLEANSER. Registered July 12, 1921. STROHMEYER & ARPE COMPANY, New York, N. Y., a corporation of New York. Renewed July 12, 1941.

144,702. **"FULGURANTE."** PIECE GOODS OF SILK, WOOL, LINEN, COTTON, AND CHINA-GRASS. Registered July 19, 1921. BIANCHINI, FÉRIER, Lyon, France. Renewed July 19, 1941, to Bianchini, Férier, Inc., New York, N. Y., a corporation of New York, assignee.

144,766. **FORD NEWS.** PERIODICAL HOUSE ORGAN PUBLISHED SEMIMONTHLY. Registered July 19, 1921. FORD MOTOR COMPANY, Highland Park, Mich. Renewed July 19, 1941, to Ford Motor Company, Dearborn, Mich., a corporation of Delaware.

145,334. **FROSTKREPE.** CERTAIN NAMED WOVEN, KNITTED, NETTED, TEXTILE, AND PILE FABRICS IN THE PIECE. Registered August 2, 1921. CHENEY BROTHERS, South Manchester, Conn. Renewed August 2, 1941, to Cheney Brothers, Manchester, Conn., a corporation of Connecticut.

145,400. **LIBERTY.** MACARONI AND VERMICELLI. Registered August 2, 1921. LIBERTY MACCHERONI MFG. CO. Renewed August 2, 1941, to Liberty Macaroni Manufacturing Company, Inc., Buffalo, N. Y., a corporation of New York, successor.

145,472. **BOTTLING AND PACKAGING ENGINEER.** A MONTHLY JOURNAL. Registered August 2, 1921. U. S. BOTTLERS MACHINERY CO., Chicago, Ill., a corporation of Illinois. Renewed August 2, 1941.

145,474. **VICTOR.** BEER. Registered August 2, 1921. THE VICTOR BREWING COMPANY, Jeannette, Pa., a corporation of Pennsylvania. Renewed August 2, 1941.

145,540. **STRONGHOLD STEVE.** CERTAIN ARTICLES OF CLOTHING. Registered August 9, 1921. BROWNSTEIN-LOUIS COMPANY, Los Angeles, Calif., a corporation of California. Renewed August 9, 1941.

145,541. **STRONGHOLD.** CERTAIN ARTICLES OF CLOTHING. Registered August 9, 1921. BROWNSTEIN-LOUIS COMPANY, Los Angeles, Calif., a corporation of California. Renewed August 9, 1941.

145,578. **EVERYBODY'S.** CANNED FRUITS. Registered August 9, 1921. RICHMOND-CHASE COMPANY, San Jose, Calif., a corporation of California. Renewed August 9, 1941.

146,115. **PAGEANT.** SILK PIECE GOODS. Registered August 30, 1921. H. R. MALLINSON & CO. INC. Renewed August 30, 1941, to Mallinson Fabrics Corporation, New York, N. Y., a corporation of New York, assignee.

146,122. **NEW ENGLAND.** CANDY. Registered August 30, 1921. NEW ENGLAND CONFECTIONERY COMPANY, Boston, Mass. Renewed August 30, 1941, to New England Confectionery Company, Cambridge, Mass., a corporation of Massachusetts.

146,289. **SATIN-SONATA.** SILK PIECE GOODS. Registered September 6, 1921. H. R. MALLINSON & CO., INC. Renewed September 6, 1941, to Mallinson Fabrics Corporation, New York, N. Y., a corporation of New York, assignee.

146,384. **USALITE.** FLASH-LIGHT CASES AND ELECTRIC BATTERIES. Registered September 6, 1921. UNITED STATES ELECTRIC MANUFACTURING CORPORATION, New York, N. Y., a corporation of New York. Renewed September 6, 1941.

146,596. **P P C.** COMPRESSORS AND PUMPS AND ATTACHMENTS THEREFOR. Registered September 13, 1921. PENNSYLVANIA PUMP & COMPRESSOR COMPANY, Easton, Pa., a corporation of Pennsylvania. Renewed September 13, 1941.

146,678. **AZO.** ZINC OXID AND MIXTURES CONTAINING ZINC OXID FOR USE AS PAINT-PIGMENTS. Registered September 20, 1921. AMERICAN ZINC, LEAD AND SMELTING COMPANY, Boston, Mass. Renewed September 20, 1941, to American Zinc Sales Company, St. Louis, Mo., a corporation of Maine, assignee.

146,808. **REVOREE.** SILK PIECE GOODS. Registered September 20, 1921. H. R. MALLINSON & CO., INC. Renewed September 20, 1941, to Mallinson Fabrics Corporation, New York, N. Y., a corporation of New York, assignee.

147,318. **LITTLE GIANT.** CERTAIN GAGES AND MICROMETERS. Registered October 11, 1921. GREENFIELD TAP AND DIE CORPORATION, Greenfield, Mass., a corporation of Massachusetts. Renewed October 11, 1941.

147,319. **LIGHTNING.** CERTAIN TOOLS AND PARTS OF MACHINERY. Registered October 11, 1921. GREENFIELD TAP AND DIE CORPORATION, Greenfield, Mass., a corporation of Massachusetts. Renewed October 11, 1941.

147,320. **O. K.** CERTAIN TOOLS AND PARTS OF MACHINERY. Registered October 11, 1921. GREENFIELD TAP AND DIE CORPORATION, Greenfield, Mass., a corporation of Massachusetts. Renewed October 11, 1941.

147,321. **GREEN RIVER.** CERTAIN TOOLS AND PARTS OF MACHINERY. Registered October 11, 1921. GREENFIELD TAP AND DIE CORPORATION, Greenfield, Mass., a corporation of Massachusetts. Renewed October 11, 1941.

147,322. **G T D.** CERTAIN TOOLS AND PARTS OF MACHINERY. Registered October 11, 1921. GREENFIELD TAP AND DIE CORPORATION, Greenfield, Mass., a corporation of Massachusetts. Renewed October 11, 1941.

147,646. **MONITE.** GLUE. Registered October 25, 1921. MONITE WATERPROOF GLUE COMPANY, Minneapolis, Minn., a corporation of Delaware. Renewed October 25, 1941.

147,657. **REPRESENTATION OF A SEAL.** CANDY. Registered October 25, 1921. NEW ENGLAND CONFECTIONERY COMPANY, Boston, Mass. Renewed October 25, 1941, to New England Confectionery Company, Cambridge, Mass., a corporation of Massachusetts.

148,166. **SOCIETY.** CHILDREN'S, MEN'S, AND BOYS' CLOTH HATS AND CAPS, ALSO STRAWS AND FELTS FOR MEN, WOMEN, AND CHILDREN. Registered November 8, 1921. MODERN CAP MFG. COMPANY. Renewed November 8, 1941, to Society Brand Hat Company, St. Louis, Mo., a corporation of Missouri, assignee.

148,314. **WINCHESTER.** HATCHETS. Registered November 8, 1921. WINCHESTER REPEATING ARMS CO. Renewed November 8, 1941, to Western Cartridge Company, New Haven, Conn., a corporation of Delaware, assignee by mesne assignments.

148,828. **DARDEVLE.** ARTIFICIAL FISHING-BAITS. Registered November 29, 1921. LOU J. EPPINGER, Detroit, Mich. Renewed November 29, 1941.

148,974. **CHALLENGE.** LEDGER-PAPERS. Registered December 6, 1921. THE ALLING AND CORY COMPANY, Pittsburgh, Pa. Renewed December 6, 1941, to The Alling & Cory Company, Rochester, N. Y., a corporation of New York.

149,153. **MA-CUN.** BLANKET-BINDINGS AND TAPES. Registered December 6, 1921. MACUNGIE SILK COMPANY, Macungie, Pa., a corporation of Pennsylvania. Renewed December 6, 1941.

149,366. **CROWN KRAFT.** PAPER BAGS. Registered December 13, 1921. CROWN WILLAMETTE PAPER COMPANY. Renewed December 13, 1941, to Crown Zellerbach Corporation, San Francisco, Calif., a corporation of Nevada, assignee by mesne assignments.

149,367. **PURE FIBRE.** PAPER BAGS. Registered December 13, 1921. CROWN WILLAMETTE PAPER COMPANY. Renewed December 13, 1941, to Crown Zellerbach Corporation, San Francisco, Calif., a corporation of Nevada, assignee by mesne assignments.

149,705. **MUNDY.** CERTAIN HOISTS, ENGINES, WINCHES, AND CAPSTANS, AND PILE-DRIVERS, DERRICKS, AND CABLEWAYS. Registered December 20, 1921. J. S. MUNDY HOISTING ENGINE CO., Newark, N. J. Renewed December 20, 1941, to J. S. Mundy Hoisting Engine Co., Elizabeth, N. J., a corporation of New Jersey.

149,749. **WINCHESTER.** ICE-SKATES AND ROLLER-SKATES. Registered December 20, 1921. WINCHESTER REPEATING ARMS CO. Renewed December 20, 1941, to Western Cartridge Company, New Haven, Conn., a corporation of Delaware, assignee by mesne assignments.

149,825. **ENRICO CARUSO.** MACARONI. Registered December 27, 1921. THE ATLANTIC MACARONI CO., INC., Long Island City, N. Y., a corporation of New York. Renewed December 27, 1941.

149,874. **REPRESENTATION OF A WOMAN POLISHING A TABLE.** A POLISH FOR CLEANING AND POLISHING FURNITURE, FLOORS, LINOLEUM, PIANOS, AUTOS, ETC. Registered December 27, 1921. CHANNELL CHEMICAL COMPANY, Chicago, Ill.; Toronto, Canada; London, England, and Paris, France. Renewed December 27, 1941, to O-Cedar Corp'n, Chicago, Ill., a corporation of Illinois, by change of name.

149,913. **TIGER.** ATTRITION-MILLS AND COFFEE-SHELLERS. Registered December 27, 1921. THE ENGELBERG HULLER COMPANY. Renewed December 27, 1941, to The Engelberg Huller Co. Incorporated, Syracuse, N. Y., a corporation of New York, assignee.

150,020. **SILHOUETTE.** ELASTIC BRAIDS. Registered December 27, 1921. THE NARROW FABRIC COMPANY, Reading, Pa., a corporation of Pennsylvania. Renewed December 27, 1941.

150,140. **MIL FLEX.** HACKSAW-BLADES. Registered December 27, 1921. THE HENRY G. THOMPSON & SON COMPANY, New Haven, Conn., a corporation of Connecticut. Renewed December 27, 1941.

150,228. **CAMEL.** FIBER AND PAPER SHIPPING CONTAINERS. Registered January 3, 1922. THE ASHTABULA CORRUGATED BOX COMPANY, Ashtabula, Ohio, a corporation of Ohio. Renewed January 3, 1942.

150,270. **C. W. BURGOON.** CERTAIN NAMED MEDICINAL PREPARATIONS. Registered January 3, 1922. C. W. BURGOON, Bowling Green, Ohio. Renewed January 3, 1942.

150,283. **GUNCRETE.** CERTAIN NAMED CONSTRUCTION MATERIALS. Registered January 3, 1922. CEMENT GUN CONSTRUCTION COMPANY, Chicago, Ill. Renewed January 3, 1942, to Cement Gun Company, Allentown, Pa., a corporation of Delaware, assignee.

150,323. **DAVEYITE.** CHEMICAL COMPOSITION OF MATTER FOR DRESSING TREE WOUNDS. Registered January 3, 1922. THE DAVEY TREE EXPERT COMPANY, Kent, Ohio, a corporation of Ohio. Renewed January 3, 1942.

150,329. **KLIX.** SNAP FASTENERS. Registered January 3, 1922. THE DE LONG HOOK AND EYE COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed January 3, 1942.

150,330. **KLIX.** SNAP FASTENERS. Registered January 3, 1922. THE DE LONG HOOK AND EYE COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed January 3, 1942.

150,347. **INDUSTRY ILLUSTRATED.** PRINTED PUBLICATIONS ISSUED MONTHLY. Registered January 3, 1922. THE ENGINEERING MAGAZINE COMPANY. Renewed January 3, 1942, to McGraw-Hill Publishing Company, Inc., New York, N. Y., a corporation of New York, assignee.

150,439. **KOLYNOS.** TOOTH PASTES AND FOR ANTISEPTIC SOLUTION AND GERMICIDAL DISINFECTANT. Registered January 3, 1922. THE KOLYNOS COMPANY, New Haven, Conn., a corporation of Connecticut. Renewed January 3, 1942.

150,473. **JEMCO.** BAG FRAMES, PURSE FRAMES, POCKETBOOK FRAMES. Registered January 3, 1922. THE J. E. MERGOTT COMPANY, Newark, N. J., a corporation of Delaware. Renewed January 3, 1942.

150,549. **DR. PRICE'S.** BAKING POWDER. Registered January 3, 1922. ROYAL BAKING POWDER COMPANY, Jersey City, N. J., and New York, N. Y. Renewed January 3, 1942, to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware, assignee.

150,705. **AMCOIN.** STEAM TABLES, CULINARY WARMERS, COOKERS, AND CULINARY URNS. Registered January 10, 1922. ALDRICH MANUFACTURING CO., INC. Renewed January 10, 1942, to Amcoin Corporation, Buffalo, N. Y., a corporation of New York, assignee.

150,728. **HAVANA RIBBON.** CIGARS, CIGARETTES, CHEWING TOBACCO, AND SMOKING TOBACCO. Registered January 10, 1922. BAYUK BROS. INCORPORATED, Baltimore, Md., and Philadelphia, Pa. Renewed January 10, 1942, to Bayuk Cigars Incorporated, Philadelphia, Pa., a corporation of Maryland, by change of name.

150,729. **COINER.** CIGARS, CIGARETTES, CHEWING TOBACCO, AND SMOKING TOBACCO. Registered January 10, 1922. BAYUK BROS. INCORPORATED, Baltimore Md., and Philadelphia, Pa. Renewed January 10, 1942, to Bayuk Cigars Incorporated, Philadelphia, Pa., a corporation of Maryland, by change of name.

150,730. **DON JOHN.** CIGARS, CIGARETTES, CHEWING TOBACCO, AND SMOKING TOBACCO. Registered January 10, 1922. BAYUK BROS. INCORPORATED, Baltimore, Md., and Philadelphia, Pa. Renewed January 10, 1942, to Bayuk Cigars Incorporated, Philadelphia, Pa., a corporation of Maryland, by change of name.

150,731. **MAPACUBA.** CIGARS, CIGARETTES, CHEWING TOBACCO, AND SMOKING TOBACCO. Registered January 10, 1922. BAYUK BROS. INCORPORATED, Baltimore, Md., and Philadelphia, Pa. Renewed January 10, 1942, to Bayuk Cigars Incorporated, Philadelphia, Pa., a corporation of Maryland, by change of name.

150,732. **PRINCE HAMLET.** CIGARS, CIGARETTES, CHEWING TOBACCO, AND SMOKING TOBACCO. Registered January 10, 1922. BAYUK BROS. INCORPORATED, Baltimore, Md., and Philadelphia, Pa. Renewed January 10, 1942, to Bayuk Cigars Incorporated, Philadelphia, Pa., a corporation of Maryland, by change of name.

150,769. **DOESKIN.** COVER PAPER. Registered January 10, 1922. CHEMICAL PAPER MANUFACTURING CO., Holyoke, Mass., a corporation of Massachusetts. Renewed January 10, 1942.

150,822. **TRAVEL-TEX.** SUITS, OVERCOATS, ULSTERS, MACKINTOSHES, COATS, DRESSES, CLOAKS, WRAPS. Registered January 10, 1922. ALFRED C. GAUNT, Methuen, Mass. Renewed January 10, 1942.

150,874. **K.** CERTAIN PIPE FITTINGS AND OTHER FITTINGS. Registered January 10, 1922. KUHNS BROTHERS. Renewed January 10, 1942, to Kuhns Brothers Company, Dayton, Ohio, a corporation of Ohio, assignee.

150,880. **IRBY'S BLACK LEAF.** LEAF TOBACCO. Registered January 10, 1922. LIGGETT & MYERS TOBACCO COMPANY, New York, N. Y., a corporation of New Jersey. Renewed January 10, 1942.

150,881. **CLIPPER.** SMOKING AND CHEWING TOBACCO. Registered January 10, 1922. LIGGETT & MYERS TOBACCO COMPANY, New York, N. Y., a corporation of New Jersey. Renewed January 10, 1942.

150,882. **OASIS.** SMOKING AND CHEWING TOBACCO AND CIGARETTES. Registered January 10, 1922. LIGGETT & MYERS TOBACCO COMPANY, New York, N. Y., a corporation of New Jersey. Renewed January 10, 1942.

150,883. **ALADDIN.** SMOKING AND CHEWING TOBACCO AND CIGARETTES. Registered January 10, 1922. LIGGETT & MYERS TOBACCO COMPANY, New York, N. Y., a corporation of New Jersey. Renewed January 10, 1942.

150,884. **OLD MILL.** SMOKING AND CHEWING TOBACCO AND CIGARETTES. Registered January 10, 1922. LIGGETT & MYERS TOBACCO COMPANY, New York, N. Y., a corporation of New Jersey. Renewed January 10, 1942.

150,938. **FROM OUR LOOMS TO YOUR ROOMS.** WOVEN RUGS AND CARPETS. Registered January 10, 1922. OLSON RUG COMPANY, Chicago, Ill., a corporation of Illinois. Renewed January 10, 1942.

150,948. **RADIOTRON.** ELECTRICAL VACUUM TUBES AND VALVES. Registered January 10, 1922. RADIO CORPORATION OF AMERICA, New York, N. Y. Renewed January 10, 1942, to RCA Manufacturing Company, Inc., Camden, N. J., a corporation of Delaware, assignee.

150,956. **VENIDA RULES THE WAVES.** HAIR NETS. Registered January 10, 1922. THE RIESER COMPANY. Renewed January 10, 1942, to The Rieser Company, Inc., New York, N. Y., a corporation of New York, assignee.

150,995. **ODD MOMENTS.** CIGARS. Registered January 10, 1922. G. W. VAN SLYKE & HORTON, Albany, N. Y. Renewed January 10, 1942, to G. W. Van Slyke & Horton, Kingston, N. Y., a corporation of New York.

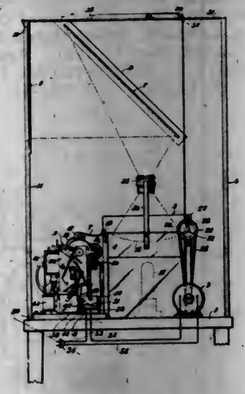
151,005. **POLO CLOTH.** WRITING PAPER AND MAILING ENVELOPES. Registered January 10, 1922. WHITING PAPER COMPANY, Holyoke, Mass., a corporation of Massachusetts. Renewed January 10, 1942.

REISSUES

SEPTEMBER 2, 1941

21,891
BROAD TAPE TICKER PROJECTING MACHINE

James W. Decker, New York, N. Y.
Original No. 1,932,399, dated October 31, 1933, Serial No. 250,162, January 28, 1928. Application for reissue February 12, 1940, Serial No. 318,652
16 Claims. (Cl. 88—24)

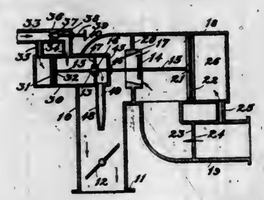


1. The combination with a broad tape, of a ticker having a printing mechanism for printing on said tape and having a feeding mechanism for advancing the tape a line space after the completion of a line of printed matter, a lamp housing having an extension, a lamp in said lamp housing, a light aperture at the upper end of said extension, a deflector at the bottom of said extension for receiving the light rays from said lamp and projecting them upwardly through said light aperture, tape drawing means for drawing the tape from said ticker across said light aperture, and means operatively connected to said feeding mechanism for actuating said tape drawing mechanism intermittently to correspond with the line space advancing actuation of said ticker feeding mechanism.

21,892
CHARGE FORMING DEVICE

John Webb Hogg, Llanerch, Pa., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Original No. 2,004,869, dated June 11, 1935, Serial No. 717,476, March 26, 1934. Application for reissue June 25, 1940, Serial No. 342,390
13 Claims. (Cl. 261—50)

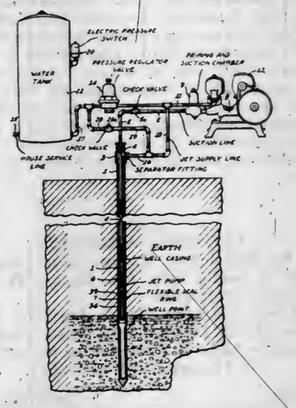
4. Apparatus for delivering a flowing mixture of fuel and air to an engine in definite relative proportion and in variable total flow, comprising a conduit for fuel and a conduit for air, a mixing chamber in communication with said conduits, a variable opening valve in each conduit, coupling means for the valves such that motion of one valve towards closed or open position respectively imparts motion to the other valve towards open or closed position respectively, means responsive to variations in pressure of the fluid in each conduit resulting from variations in the flow of fluid therethrough, said pressure responsive means being operatively connected to the valve coupling means whereby increase of flow in either conduit



is adapted to partially close the valve in that conduit and to partially open the valve in the other conduit and means for varying the total combined flow from the mixing chamber.

21,893
JET PUMP

Anthony G. Horvath, Dayton, Ohio, assignor to The Dayton Pump and Manufacturing Company, Dayton, Ohio, a corporation of Ohio
Original No. 2,196,453, dated April 9, 1940, Serial No. 181,188, December 22, 1937. Application for reissue July 15, 1940, Serial No. 345,678
8 Claims. (Cl. 103—5)



1. In a deep well pump system, a pump, a pump delivery line connected to the delivery of said pump, a pressure regulator valve connected to said delivery line, a tank supply line connected to said pressure regulator valve, a water tank connected to said tank supply line and to a house service line, jet pump means including a suction line and jet pump supply conduit means, means including a check valve connecting said suction line with the suction of said pump, means directly connecting said jet pump supply conduit means with said pump delivery line, and means including a check valve connecting said tank supply line with said jet pump supply conduit means.

21,894

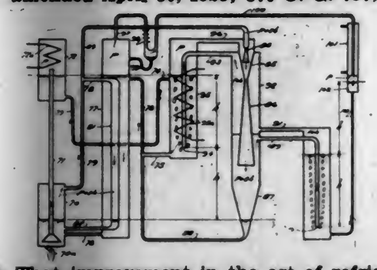
MEANS AND METHOD OF REFRIGERATION

Bo Folke Randel, San Diego, Calif.

Original No. 2,052,580, dated September 1, 1936, Serial No. 642,529, November 14, 1932. Application for reissue January 26, 1938, Serial No. 187,043

33 Claims. (Cl. 62—119.5)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



5. That improvement in the art of refrigeration by the aid of a system containing absorbent fluid, refrigerant fluid and additional fluid for equalizing pressure which consists in vaporizing an absorbent, passing a portion of said vapor through an injector, condensing said vapor in said injector causing an increased velocity and utilizing the energy in said increased velocity to circulate a mixture of refrigerant vapor and inert gas between an absorber and an evaporator.

19. A method of refrigeration which comprises heating liquid absorbent to cause removal of refrigerant therefrom, maintaining a body of liquid absorbent by supplying thereto liquid absorbent from which refrigerant has been removed by said heating, maintaining a body of liquid refrigerant, imposing an impelling force on inert gas to cause flow thereof, bubbling the inert gas through said body of refrigerant to cause evaporation and diffusion of refrigerant into the gas at a temperature lower than that at which refrigerant is removed from liquid absorbent by said heating, bubbling the resulting mixture of gas and refrigerant vapor through said body of liquid absorbent to cause absorption of the refrigerant vapor, and again bubbling the gas through said body of refrigerant.

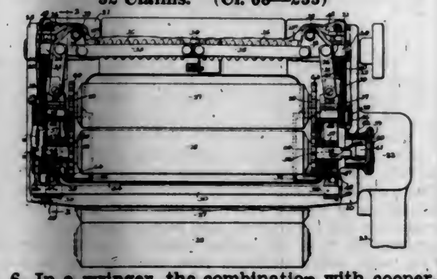
21,895

CLOTHES WRINGER

Simon E. Schroeder, Ripon, Wis., assignor to Barlow & Seelig Mfg. Co., Ripon, Wis., a corporation of Delaware

Original No. 2,114,404, dated April 19, 1938, Serial No. 54,283, December 13, 1935. Application for reissue April 3, 1940, Serial No. 327,739

32 Claims. (Cl. 68—253)



6. In a wringer, the combination with cooperating top and bottom rolls; of means for rotating said rolls; means cooperating with each of said rolls for holding said rolls in operative pressure-exerting position with respect to each other during rotation of said rolls; manually-actuated trip means for displacing one of said holding means for separating one of said rolls from the other to remove said pressure from said rolls; and means automatically operative upon removal of said pressure for retracting the other holding means to retract the other roll from said operative position.

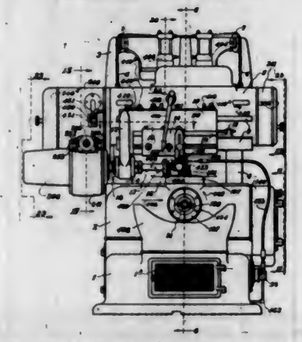
21,896

WORM WHEEL GENERATING MACHINE

Oliver G. Simmons, Lakewood, Ohio, assignor to The Cleveland Hobbing Machine Company, Cleveland, Ohio, a corporation of Ohio

Original No. 1,995,328, dated March 26, 1935, Serial No. 536,458, May 11, 1931. Application for reissue March 25, 1937, Serial No. 134,191

74 Claims. (Cl. 90—4)



1. In a machine of the character described, a supporting frame having a work spindle and a cutter spindle mounted thereon, means for simultaneously driving said spindles and for correlating their speeds of rotation, mechanism for slowly feeding the cutter spindle from a starting position transversely of the work spindle during rotation of the spindles in a plane spaced from the work spindle to cause a cutter on the cutter spindle to move tangentially across the face of a blank on the work spindle, and means controlled by the feeding means for automatically moving the cutter spindle radially away from the work spindle after a predetermined feed movement and for returning the cutter spindle to starting position.

21,897

PROCESS OF HEAT TREATING AND TORCH THEREFOR

Charles H. Taylor, Springfield, Mass., assignor to The Linde Air Products Company, New York, N. Y., a corporation of Ohio

Original No. 2,065,627, dated December 29, 1936, Serial No. 660,525, March 13, 1933. Application for reissue February 18, 1938, Serial No. 191,274

8 Claims. (Cl. 148—21)



6. A heat treating torch comprising a burner

end having a cooling chamber and a passage adjacent thereto having an outlet for discharging a jet of heating gas against a portion of a piece of work; means for supplying a combustible mixture of gases to said discharge passage; means for supplying water to said cooling chamber; and means for discharging, from said burner end through an outlet closely adjacent the outlet through which the jet of heating gas is discharged, such cooling water as a cooling jet directed at an angle away from said heating jet and against the work at a point spaced from the portion against which the jet of heating gas is discharged.

8. A method of hardening metal objects which comprises directing a heating jet of high intensity from a burner end against a portion of the object to be heated; continuously supplying a cooling medium to said burner end and passing such cooling medium through said burner end so as to prevent overheating of the same; continuously directing said cooling medium as a cooling jet discharged from said burner end through an outlet closely adjacent the outlet through which the heating jet is discharged and against a portion of the object closely adjacent the portion against which said heating jet is directed, said cooling jet being directed at a slight angle away from said heating jet and normally impinging upon at least a portion of the object previously heated; and effecting a relative movement between said burner end and said object to apply said heating jet and said cooling jet concurrently to successive portions of said object.

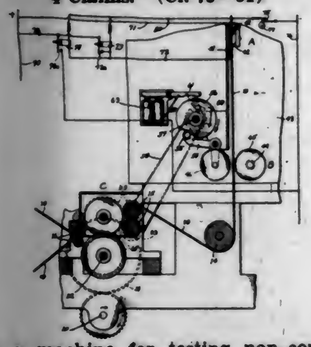
PATENTS

GRANTED SEPTEMBER 2, 1941

2,254,197
RECORD MATERIAL TESTING MACHINE

Eugène André, Vincennes, France, assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application December 19, 1939, Serial No. 309,968
In France November 10, 1939
4 Claims. (Cl. 73—51)

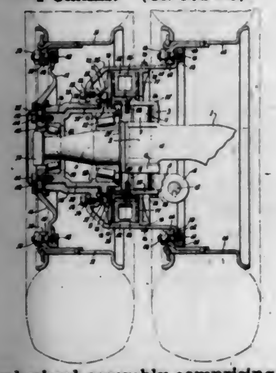


1. In a machine for testing non-conductive record material for conductive imperfections therein, marking means for said material including a pair of gears, one of said gears being freely mounted on a movable arm and the other of said gears being freely mounted on a fixed shaft, means to feed a web of the record material between said gears, a sensing station, means controlled by the sensing station upon sensing an imperfection in a portion of the web for moving the first-mentioned gear into engagement with said web and the other gear to destroy the regularity of the surface of the portion of the web so engaged, and means for holding said gears in engagement for a predetermined length of time for rotation by the web to cause a continuance of impressed irregularity of surface for a predetermined distance.

2,254,198
DUAL WHEEL ASSEMBLY

Charles S. Ash, Milford, Mich.

Application June 7, 1939, Serial No. 277,869
4 Claims. (Cl. 301—5)

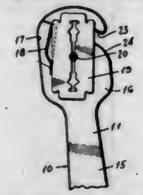


1. A dual wheel assembly comprising a spindle, a broad cast metal radially inner hub journaled on said spindle, a second cast metal radially outer hub encircling and journaled on said inner hub, said inner hub being longer than said outer hub, a stamped metal wheel body fixed to the outer end of said inner hub, a stamped metal wheel body fixed to the axially inner end of said outer hub, and a brake drum fixed to the inner end of said inner hub.

2,254,199
CUTTING IMPLEMENT

David Baltuch, Brooklyn, N. Y.

Application September 28, 1939, Serial No. 296,903
2 Claims. (Cl. 30—289)



1. A cutting implement comprising a holder, a transverse slot in said holder, a cutting blade carried by said holder having a cutting edge extending across said slot, said cutting blade being resiliently pivoted at one side of said slot whereby said cutting edge will move across said slot at a progressively increasing angle upon contact with the material to be severed.

2,254,200
CELLULOSIC SHEETING

Francis P. Alles, Donelson, Tenn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application March 1, 1939, Serial No. 259,115
17 Claims. (Cl. 18—57)



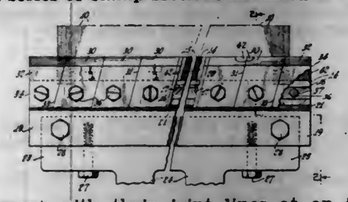
1. In the production of regenerated cellulose film having substantially no permanent shrinkage and which is smooth, glossy and free from wrinkles, the steps of treating a film of regenerated cellulose with an aqueous solution of a water miscible organic liquid of 40%–54% water content until the film contains 40% to 100% moisture, based on the cellulose content, and thereafter drying the treated film while maintaining it under tension sufficient to prevent the formation of wrinkles, puckers and like distortions, but insufficient to prevent free shrinkage in both lengthwise and widthwise directions.

2,254,201
UNITED NEEDLE MOUNTING

Victor Anderson, Cliffside Park, N. J., assignor to Alfred Hofman & Company, West New York, N. J., a corporation of New Jersey

Application March 1, 1940, Serial No. 321,644
11 Claims. (Cl. 66—114)

1. In combination, a needle bed having parallel grooves for a bank of united needles or the like, and a needle clamping means comprising a series of clamp sections mounted in mutual



alinement with their joint lines at an incline to the needle grooves whereby each joint line intersects several needle grooves.

2,254,202
ALUMINUM ALLOY

George Edward Barnes, Cleveland, Ohio

No Drawing. Application July 29, 1940, Serial No. 348,207
2 Claims. (Cl. 75—142)

1. A casting alloy composed of the elements in the relative quantities by weight within the ranges set out below:

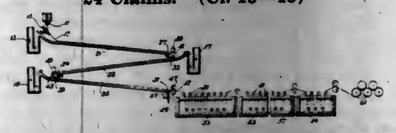
	Per cent
Copper	4.5 to 6.0
Nickel	.5 to 2.0
Magnesium	.1 to .25
Titanium	.1 to .25
Chromium	.25 to .5
Aluminum	The remainder

Traces of impurities and other elements.

2,254,203
METHOD AND APPARATUS FOR THE PRODUCTION OF SHEETS AND FILMS

William Bender, Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application April 8, 1939, Serial No. 266,772
24 Claims. (Cl. 18—15)



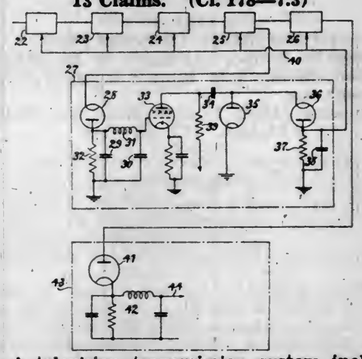
1. In the production of sheets and films from film-forming compositions coagulable in a liquid coagulating bath, the steps of extruding a film-forming composition, in the form of a sheet, into a passing body of coagulating liquid, forwarding said sheet by means of said moving liquid to a passing body of regenerated liquid, passing the sheet in inverted position through said second body of liquid and forwarding said sheet during said passage by means of said moving liquid.

15. Apparatus for the continuous production of sheets and films from film-forming compositions coagulable in a liquid coagulating bath, means for extruding a film-forming solution in the form of a sheet, a plurality of trays under said extruding means, means for inverting the sheet material at the foot of each tray except the bottom tray, said trays positioned in superposed relationship to each other along oppositely directed downwardly declined planes, means for passing treating liquids along said trays, the downwardly declining angles of the successive trays being such that the speed of the treating liquids flowing therein will be approximately equal to the speed of movement of said sheet.

2,254,204
TELEVISION SYSTEM

Alan Dower Blumlein, Ealing, London, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain

Application May 11, 1937, Serial No. 141,917
In Great Britain May 15, 1936
13 Claims. (Cl. 178—7.3)

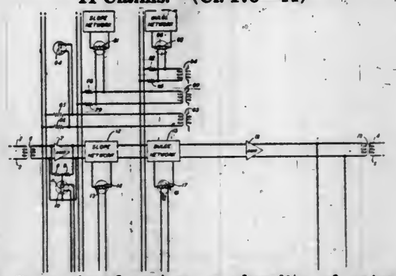


1. A television transmission system including means for developing video signals, means for developing synchronizing signals to be transmitted in the interval between trains of picture signals, means for developing a signal of opposite polarity to the synchronizing signal, means for combining the synchronizing signal and said latter signal so as to form a signal having two differing components of polarity, said combined signal being indicative of the transmission level of the transmitter, the receiving means including a plurality of amplifying stages for receiving said transmitted signals, means for developing a corrective signal proportional to the value of the combined synchronizing signal and the signal of opposite polarity, means for impressing said corrective signal onto a plurality of amplifying stages of said receiver, and additional means for maintaining the output of said receiver substantially constant.

2,254,205
SIGNAL TRANSMISSION SYSTEM

John H. Bollman, Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application April 3, 1940, Serial No. 327,574
11 Claims. (Cl. 178—44)



4. In a signal system, a plurality of pairs of signal conductors having carrier signal and pilot currents on each of said pairs of conductors, control means on each of said pairs of conductors for governing a characteristic of the transmitted signal currents, circuit means for governing each

control means according to the strength of a pilot current on the associated pair of conductors, and means in case of failure of the circuit means associated with one pair of conductors for governing the control means governed thereby from the circuit means associated with other of said pairs of conductors.

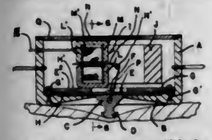
2,254,206

MICROPHONIC TRANSMITTER

Raymond W. Bonner and Harry M. Kirschbaum, Detroit, Mich.; said Bonner assignor to said Kirschbaum

Application March 28, 1940, Serial No. 326,492

9 Claims. (Cl. 181—24)



1. In an apparatus for amplifying the sound of heart action, a casing for resting on the body of the patient and enclosing a microphonic transmitter including a vibratory diaphragm peripherally attached to said casing, a knob secured to said diaphragm extending out through an aperture in said casing and adapted to be depressed by the weight thereof into the flesh of the patient and into firm connection with the underlying tissues of the patient, and vibration dampening means intermediate said knob and said microphonic transmitter.

2,254,207

BELLOWS TYPE STAGE LIFT FOR WELLS

Alexander Boynton, San Antonio, Tex.

Application November 28, 1938, Serial No. 242,772

5 Claims. (Cl. 103—233)



1. A stage lift device for wells including a casing, a tubing in said casing, a housing secured outside said tubing and open for entrance thereto of liquid from the well outside said tubing, a passage for gas from the inside of said tubing to the casing, a valve, tapered at its free end to engage within said passage to close the same, a flexible bellows member in said housing connected with said valve, means on said valve to seal one end of said member, a support in said housing sealing the other end of said member, a guide tube secured to said valve and slidable in said housing, a spring in said tube to assist said bellows in holding said valve seated, liquid means in said bellows member to resist collapse thereof, said member being adapted to be contracted by liquid pressure in said casing to gradually unseat said valve and allow passage of gas from said tube to said casing.

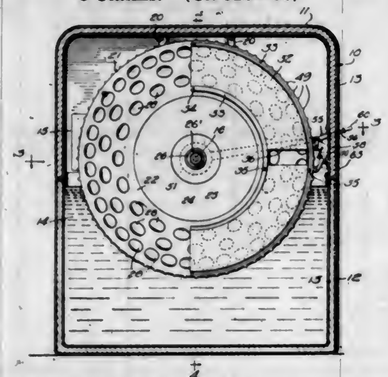
2,254,208

DISPENSING APPARATUS

John Buford Brock, Charlotte, N. C., assignor, by mesne assignments, to Jessie Mae Hatcher Cutler

Application January 9, 1939, Serial No. 250,044

8 Claims. (Cl. 312—36)



1. A dispensing apparatus comprising a movable carrier having a plurality of rows of article holders, retaining means adjacent said carrier and extending through a portion of the path of travel of the article holders, said article holders being constructed and arranged to support articles therein in a position sloping downwardly toward said retaining means during said portion of the path of travel of said article holders whereby the articles will gravitate into engagement with said retaining means, said retaining means having an opening elongated transversely of the paths of travel of the article holders past such opening and such opening being of such a length as to embrace article holders of the several rows, the article holders of the several rows being so staggered with relation to each other that given equal steps of movement of said carrier will bring successive article holders into registration with the opening in said retaining means, and means for moving the article holders successively through said given steps.

2,254,209

VALVE

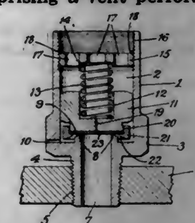
William C. Buttner, Winnetka, and Harold L. Norway, Evanston, Ill., assignors to The Bastian-Blessing Company, Chicago, Ill., a corporation of Illinois

Application February 23, 1940, Serial No. 320,452

1 Claim. (Cl. 137—53)

In combination in a pressure release valve, a hollow housing means defining a discharge opening therethrough, a valve seat within said housing and about said opening, a relief valve adapted to be seated on said seat, yielding means holding said valve upon its seat, and means for holding said yielding means at a predetermined adjustment to exert a predetermined closing force on said relief valve, a sealing member positioned upon the seating face of said valve and extending across said discharge opening, means

for retaining the edges of said sealing member in place, and means for preventing the accumulation of fluid seeping through the sealing member between said valve and said sealing means, comprising a vent perforation extending



through said valve member in communication with the face of said sealing member which is away from the valve seat, whereby fluid under pressure seeping through said sealing member will be vented through said perforation without destroying the adjustment of said valve.

2,254,210

FLOOR COVERING

George R. Cunnington, Grosse Pointe Park, Mich., assignor to National Automotive Fibres, Inc., Detroit, Mich., a corporation of Delaware

Application November 12, 1938, Serial No. 240,199

3 Claims. (Cl. 154—49)



1. A woven pile floor covering having a base fabric and a pile, an edge binding for said floor covering comprising a rubber strip overlying and extending beyond the edge of said floor covering, said strip holding down the pile therebeneath along the edge of said floor covering and being vulcanized through said pile to said base fabric.

2,254,211

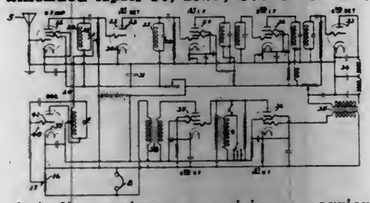
RECEIVER

Westley F. Curtis, Beaver Heights, Md.

Application August 13, 1937, Serial No. 158,943

17 Claims. (Cl. 250—8)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A radio receiver, comprising a carrier frequency amplifying section including a tube having an anode, a grid and a cathode, a first detector operatively coupled thereto, said detector having an anode, a grid and a cathode, a tuned intermediate frequency amplifier coupled to said detector, a second detector coupled to the output of said intermediate frequency amplifier, a low pass filter connected in the output of said second detector, an audio frequency amplifying section coupled to said filter, phase adjusting means connected in said audio amplifying section, a beating oscillator connected to said first detector, and means to apply to said oscillator phase-adjusted modulating potentials from the output of said audio amplifying section.

2,254,212

CATALYST AND PROCESS FOR PRODUCING VINYL ACETATE AND ETHYLIDENE DIACETATE

Joseph G. Dinwiddie, Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 1, 1939, Serial No. 259,233

11 Claims. (Cl. 260—498)

1. The process of forming esters which comprises reacting acetylene with lower aliphatic carboxylic acid in the presence of catalytic proportions of methane trisulfonic acid.

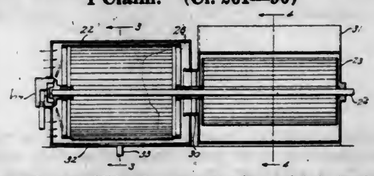
2,254,213

AIR-CONDITIONING APPARATUS

Edward D. Feldman, Glendale, Calif., assignor of one-third to Alan C. Stoneman, Los Angeles, Calif., and one-third to Harry W. Greenberg, Glendale, Calif.

Application January 24, 1939, Serial No. 252,584

1 Claim. (Cl. 261—90)



An air-conditioning apparatus which includes: an air conduit; a louvred cylinder rotatably mounted within said conduit and forming an annular passage therewith; means within said cylinder for producing a high velocity spray of water therein at a substantial angle to the longitudinal axis thereof; means for inducing a flow of air through said cylinder; means for rotating said cylinder whereby said air is given a helical motion; and means for discharging only the relatively dry core of said air stream and causing the outer portion thereof to pass back through said annular passage to again pass through said spray.

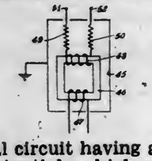
2,254,214

SAFETY CIRCUIT FOR CATHODE RAY TUBES

Edward G. Gage, Brooklyn, N. Y., assignor, by direct and mesne assignments, of two-thirds to Leon Ottinger, New York, N. Y.

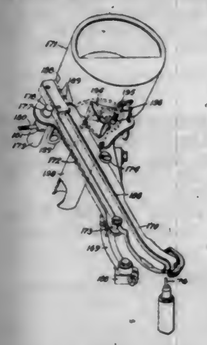
Application September 1, 1939, Serial No. 292,993

11 Claims. (Cl. 250—27)



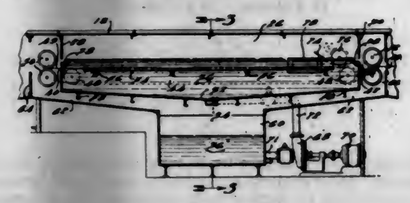
7. An electrical circuit having a source of dangerously high potential, a high-resistance device operating at a dangerously high potential, conductors between the source of high potential and the said device affording a permanently continuous connection therebetween, and resistance permanently included in said conductors so close to said source of high potential that all exposed parts of the circuit lie between the resistance and said device, said resistance being of such high magnitude that upon establishment of a closed circuit through said exposed parts and the human body the current in such closed circuit is reduced by said resistance to a safe value.

2,254,215
RACEWAY-AND-HOPPER ASSEMBLAGE
Sylvester L. Gookin, Quincy, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Original application August 10, 1939, Serial No. 289,446. Divided and this application March 25, 1940, Serial No. 325,667
5 Claims. (Cl. 218—15.1)



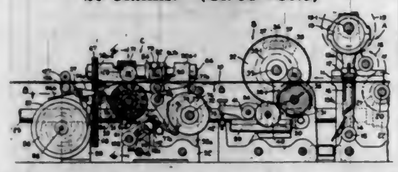
1. An eyeleting machine comprising a fastener-inserting tool and mechanism for operating it, a raceway-carrier and mechanism by which it is reciprocated with fixed limits of travel, a hopper affixed to said carrier and having an opening through which eyelets may be fed, a raceway arranged to conduct eyelets from said opening to said fastener-inserting tool, said raceway and said carrier having separable interlocking portions arranged to locate the receiving portion of the raceway in cooperative relation to said opening and to locate the delivery portion in cooperative relation to said tool, and means arranged to secure the raceway to said carrier when said separable portions are interlocked.

2,254,216
APPARATUS FOR PROCESSING STEEL PLATES
Robert H. Gordon, Detroit, Mich.
Application May 17, 1940, Serial No. 335,655
14 Claims. (Cl. 91—46)



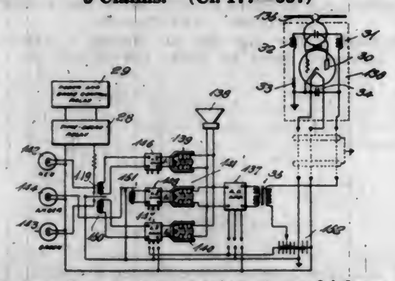
11. In an apparatus for treating the surfaces of metal articles, a treatment tank containing a bath of treating fluid, means forming an article inlet in said tank below the surface of the bath, means forming an article outlet in said tank below the surface of the bath, means for supplying treating fluid to said tank, and means for conveying the articles through the inlet, the outlet and through the bath below the surface thereof.

2,254,217
METHOD AND MEANS FOR APPLYING PATCHES TO FOUNDATION MATERIAL
William F. Grupe, Lyndhurst, N. J., assignor to Champlain Corporation, a corporation of New York
Application April 3, 1937, Serial No. 134,713
20 Claims. (Cl. 93—36.6)



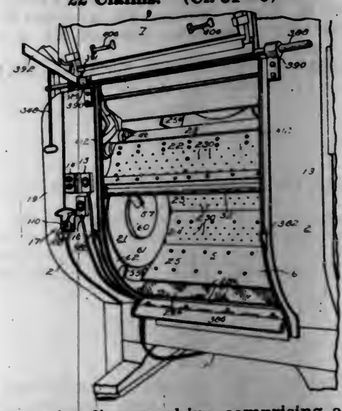
3. In apparatus for applying a series of flexible sheets to pick-up portion of a web as the web travels, means for feeding the web, a substantially cylindrical carrier, means for feeding strip flexible sheet material to said carrier, positive holding means for retaining the fed portion of said strip material on said carrier, means for moving said carrier progressively and intermittently into adjacency to a web so that the portion of the said strip material retained on said carrier progressively contacts the pick-up surface of said web with a rolling contact, severing means operative on the portion of the said strip material retained on said carrier, control mechanism for actuating said severing means in correlation with the intermittent movement of said carrier, and means for completely releasing the positive holding of said strip material on the carrier as the leading edge of said strip contacts the leading edge of the pick-up surface of the web.

2,254,218
ULTRA HIGH FREQUENCY RECEIVING SYSTEM
William S. Halstead, Huntington, N. Y., assignor of one-third to John B. Brady, Washington, D. C.
Application September 1, 1938, Serial No. 228,052
3 Claims. (Cl. 177—337)



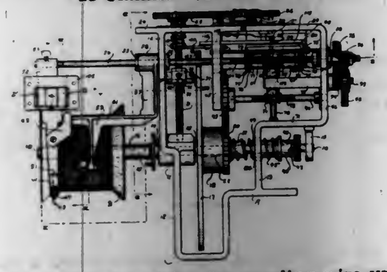
1. A radio receiving system for vehicles comprising in combination, a receiver tunable to one radio communications band, said receiver having an audio frequency amplifier and a loud speaker operated by said amplifier, a second receiver tunable to another radio communications band for receiving voice modulated and tone modulated traffic control signals, means for coupling the output circuit of the second receiver to the input circuit of the audio frequency amplifier associated with said first receiver, and relay-controlled means operated by said tone modulated traffic control signals received by the second receiver for automatically disconnecting said coupling means from the output circuit of said second receiver, said relay-controlled means being non-responsive to said voice modulated traffic control signals which are reproduced in said loud speaker.

2,254,219
ABRADING APPARATUS
Eric O. Hamren, Hagerstown, Md., assignor to Pangborn Corporation, Hagerstown, Md., a corporation of Maryland
Application July 16, 1937, Serial No. 154,105
22 Claims. (Cl. 51—9)



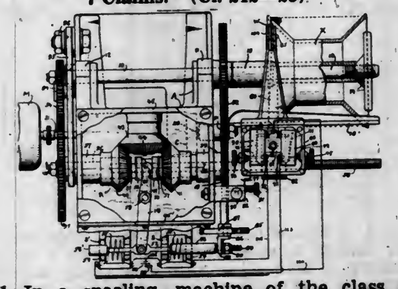
17. An abrading machine comprising a housing member; a tumbling mechanism in said housing comprising a flexible work supporting structure having two free ends, means for guiding the work supporting structure through a path forming an upwardly opening loop; means to reciprocate said work supporting structure in said path whereby objects within said tumbling mechanism will be alternately tumbled, first in one direction and then the other, across the bottom of said loop; an abrasive propelling device mounted on said housing above said loop and operable to project a stream of abrasive towards the bottom of said loop, whereby said objects are passed and repassed through said stream alternately in opposite directions

2,254,220
SPOOLING MACHINE
Eber J. Hubbard, Berwyn, Ill.
Application September 16, 1939, Serial No. 295,168
15 Claims. (Cl. 242—25)



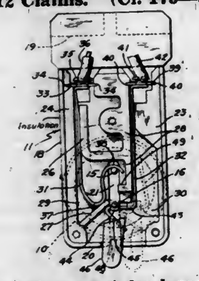
6. A spooling machine for spooling wire under constant tension and travel speed of the wire, comprising a spool support, drive means for the spool, traverse means for guiding the wire to the spool, reversing means for the traversing means, adjusting means for the spool drive to maintain constant speed of travel of the wire to the spool, and means controlled by the distance between the spool flanges for each layer being wound for causing coincidental operation of the reversing means and the drive adjusting means and with such operation occurring only after each layer has been fully completed up to the corresponding spool flange.

2,254,221
SPOOLING MACHINE
Eber J. Hubbard, Chicago, Ill.
Application November 18, 1940, Serial No. 366,051
7 Claims. (Cl. 242—25)



1. In a spooling machine of the class described, a spool support, drive means for rotating the spool, a guide structure for guiding wire to the spool, reversing means for said guide structure, adjusting means for said guide structure for setting of the end thereof a predetermined distance from the barrel of the spool to be wound, and electrical means operable at the end of two succeeding wire layers on the spool for automatically setting said guide structure for setting of its end away from the wire on the spool a distance equal to the combined depth of the two layers, and switch means movable with said guide structure and cooperable with the flanges of the spool for controlling said electrical means.

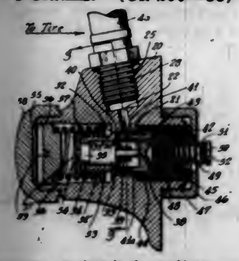
2,254,222
FLUORESCENT LAMP SOCKET
Harvey Hubbell, Long Hill, and Joseph F. Healy, Jr., Bridgeport, Conn., assignors to Harvey Hubbell, Incorporated, Bridgeport, Conn., a corporation of Connecticut
Application December 22, 1939, Serial No. 310,600
12 Claims. (Cl. 173—328)



2. In a socket support for lamps having a pair of spaced parallel pin contacts, an insulating body having a slot leading from one edge for insertion of both the said lamp contacts by a lateral movement in the plane of the contacts only a pair of spring contacts carried by the body having seats for the respective pin contacts fac-

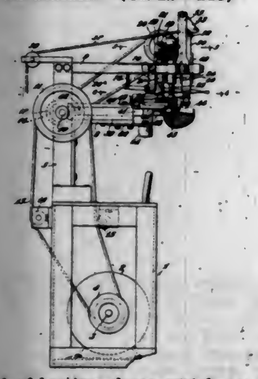
ing in opposite directions and extending transversely of the slot to retain the pin contacts in the said slot between the spring contacts, and one of the spring contacts being movable laterally to permit the pin contacts to move into and out of the slot by movements in the plane of the contacts only.

2,254,223
TIRE DEFLATION INDICATOR SWITCH
Carey W. Johnston, Newark, N. J.
Application April 12, 1940, Serial No. 329,237
6 Claims. (Cl. 200—58)



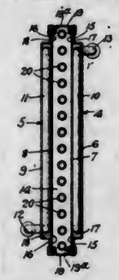
1. A pressure actuated switch comprising a body having a pressure chamber and a spring chamber, a transverse wall separating said two chambers and formed with a piston chamber opening into both chambers, a piston in said piston chamber, said piston having a contact extension extending into said pressure chamber, a seal on said contact extension and extending radially outwardly over the adjacent end of said piston chamber into engagement with the transverse wall, a contact in said pressure chamber and having an annular portion pressing said seal into engagement with said transverse wall, means for admitting air from the pressure chamber into said annular portion, and a spring in said spring chamber pressing said piston toward the pressure chamber.

2,254,224
METHOD OF LASTING FOOTWEAR
Jacob S. Kamborian, West Newton, Mass., assignor to General Research, Inc., Boston, Mass., a corporation of Massachusetts
Original application June 7, 1938, Serial No. 212,236. Divided and this application October 24, 1939, Serial No. 300,929
24 Claims. (Cl. 12—145)



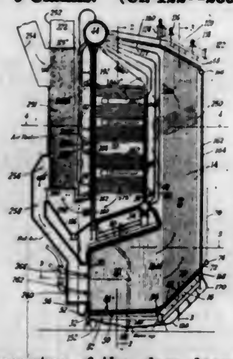
1. Method of lasting shoes which comprises as steps seizing a narrow area of the margin of the upper and positively stressing it in a direction substantially perpendicular to the bottom of the last thereby to stretch it snugly about the last, and wiping in the marginal material when it has been so stressed, the point at which such stress is applied advancing without interruption and by infinitesimal amounts along the periphery of the last bottom.

2,254,225
REFRIGERATING APPARATUS
Herman W. Kleist, Chicago, Ill., assignor to Dole Refrigerating Company, Chicago, Ill., a corporation of Illinois
Application June 10, 1939, Serial No. 278,419
12 Claims. (Cl. 62—99)



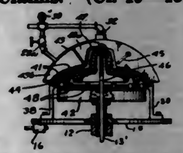
2. A refrigerating apparatus comprising two plates, each consisting of two separated sheets connected together at their edges, means for circulating a refrigerant material back and forth between the sheets of both plates, said plates being connected together to form an intermediate receptacle, the adjacent sheets of the plates forming walls for said receptacle, and a pipe in said intermediate receptacle through which a beverage to be cooled is passed.

2,254,226
WATER TUBE STEAM BOILER
Paul H. Koch, Scotch Plains, N. J., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application June 22, 1938, Serial No. 215,122
9 Claims. (Cl. 122—235)



1. In apparatus of the class described, a radiant boiler in which tubes define the walls of the furnace combustion chamber of a first furnace zone, said walls presenting refractory furnace faces, a convection section including a high temperature superheater, means for burning fuel in suspension in the first zone, means in a second furnace zone including substantially unobstructed gas cooling chambers defined by fluid cooled tube walls having degrees of heat absorptivity so much higher than those of the walls of the first furnace zone that the temperature of the furnace gases and the suspended non-gaseous particles is so reduced that the tubes of the convection section will not be fouled by accumulations of those particles, said gas cooling chambers constituting gas passages arranged in parallel and interposed relative to the combustion chamber and the convection section so that the furnace gases are divided in their passage toward the convection section, and means connecting said tubes into the fluid system of the boiler, the gas inlet of the convection section being shielded from the radiant heat of the high temperature first furnace zone.

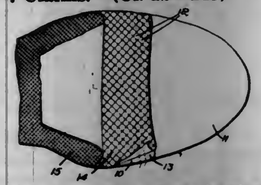
2,254,227
GLASS TEMPERING METHOD AND APPARATUS
Evan Jarrett Lewis, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application April 22, 1937, Serial No. 138,418
7 Claims. (Cl. 49—45)



4. In an apparatus for tempering the flat surfaces of a circular glass article, a rotating support for the article, air chambers so positioned that the article when on the support is disposed between the chambers, each chamber having a row of apertures disposed radially with respect to the axis of rotation of the support and arranged to direct jets of air toward the apertures of the other, the spacing between the apertures in each chamber being progressively decreased as their distance from the axis of rotation of the support is increased.

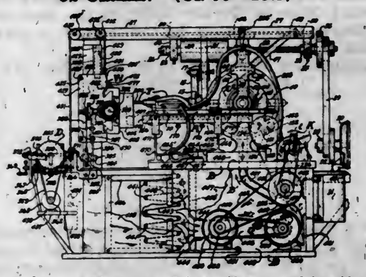
7. The method of tempering a hollow glass body which comprises heating the body to a predetermined temperature and vigorously chilling different portions of said body by the application of streams of cooling fluid, and discontinuing the chilling of one of said portions while sufficient heat remains therein to partially anneal the surfaces thereof while continuing to chill another portion until a stable temperature is reached.

2,254,228
SHOEMAKING
Stanley P. Lovell, Newton Center, Mass., assignor to Beckwith Manufacturing Company, Dover, N. H., a corporation of New Hampshire
Application May 22, 1939, Serial No. 274,913
7 Claims. (Cl. 12—145)



1. The process of making shoes having stitched tips, which includes the steps of placing inside the tip a liner carrying hard but inherently softenable stiffening material having adhesive properties, laying upon said liner an activated box toe blank and thereby temporarily softening the liner and rendering it adhesive, covering the activated box toe blank with a lining, and then shaping the forepart of the upper and thereby forming a bond between the lining and the tip.

2,254,229
ELECTRIC TRACER-CONTROL MACHINE FOR DIESINKING AND THE LIKE
Emil R. Lochman, Milwaukee, Wis.
Application April 30, 1934, Serial No. 723,105
52 Claims. (Cl. 90—13.5)



35. In a copying machine, the combination of a work support and a tool support, transmission mechanism for relative movement of said supports including interruptible driving clutch means and engageable and disengageable motion restraining means, and control means for said transmission mechanism including means connectible for rapidly continuously repeated alternative interruption and connection of said clutch means, a pattern controlled tracer device determinative of connection or disconnection of said connectible means, and overrun preventing means automatically operable during the tracer controlled connection of said connectible means for engaging said restraining means during the intervals of said rapidly repeated interruption of said clutch means.

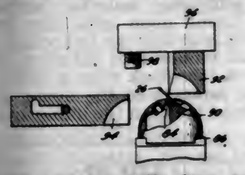
2,254,230
COMPOUNDS OF THE ANTHRAQUINONE SERIES
Herbert A. Lubs and Oliver H. Johnson, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 24, 1940, Serial No. 358,131
5 Claims. (Cl. 260—338)

1. A 1-amino-4-arylaminoanthraquinone which carries in the 2-position a substituent of the group consisting of —H, —SO_3H and —SO_3M in which M stands for an alkali metal and in which the arylamino group is a heterocyclic radical of the class consisting of aminobenzodioxans and aminobenzodioxoles.

2,254,231
MANUFACTURE OF DOLL EYES
Samuel Marcus, Jersey City, N. J., assignor to Margon Corporation, Bayonne, N. J., a corporation of New Jersey
Application September 16, 1938, Serial No. 230,217
21 Claims. (Cl. 46—165)

14. In the manufacture of doll eyes, the method

which includes first securing a lens to an eyeshell at the center of the lens, then slitting the eye-



shell adjacent the edge of the lens, and then inserting an eyelash in the slit.

2,254,232

DOLL EYE AND METHOD OF MAKING SAME

Samuel Marcus, Jersey City, N. J., assignor to Margon Corporation, Bayonne, N. J., a corporation of New Jersey

Application March 11, 1939, Serial No. 261,163

14 Claims. (Cl. 46—165)



1. A lens for a doll eye, said lens comprising a single piece of solid transparent plastic shaped to form an iris portion, the outer face of which conforms to the surface of a sphere and the inner face of which is frustroconical, and a pupil portion including a cylindrical projection or stud projecting for a substantial distance rearwardly at the center of the iris portion, the rear face of the frustroconical portion surrounding the stud being provided with radial serrations, said stud having a diameter equal to the desired pupil diameter and the inner end of the stud being concave and entirely coated with black coloring to simulate a pupil.

2,254,233

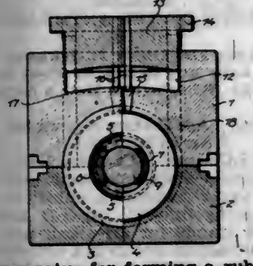
APPARATUS FOR FORMING VULCANIZED ARTICLES

Arnold Meyer, Harburg-Wilhelmsburg, Germany

Application October 22, 1937, Serial No. 170,310

In Germany October 23, 1936

4 Claims. (Cl. 18—30)



3. An apparatus for forming a rubber product which comprises a form having a cavity for receiving rubber in a plastic condition, a cylinder space in one side of the form, feed channels leading from the cylinder base to the cavity, pressure means in the cylinder space for forcing rubber from the space through the channels and into the cavity, and plungers on the pressure means adapted to move into the channels and to increase the mixing and kneading action on the rubber and also to boost the pressure on the rubber in the channels.

2,254,234

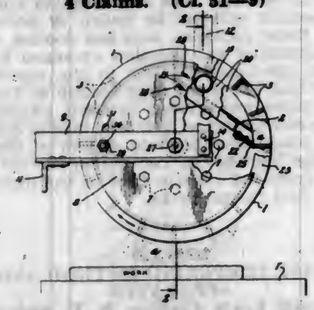
ABRASIVE EQUIPMENT

Verne E. Minich, Scarsdale, N. Y., assignor to The American Foundry Equipment Company, Mishawaka, Ind., a corporation of Delaware

Application October 9, 1933, Serial No. 692,743

Renewed April 7, 1939

4 Claims. (Cl. 51—9)



3. In a centrifugal abrading apparatus, a drive shaft mounted to rotate in a substantially horizontal plane at high speed, a head structure mounted on said shaft to rotate in a substantially vertical plane, said head structure having a plurality of abrasive throwing blades extending inwardly short of the axis of rotation of said head structure to provide a central space, means for concentrating the abrasive thrown by said abrasive propelling blades in a generally downward direction, said means including a normally stationary downwardly inclined feed chute positioned within said central space having its lower end terminating closely adjacent the path of rotation of the inner ends of said blades and above the horizontal plane extending through the axis of rotation of said head structure, and means for supplying abrasive to the outer facing surface of said chute at approximately the twelve o'clock position.

2,254,235

BRUSH

George A. Mutch, White Plains, N. Y., assignor to Parfumerie de Raymond, New York, N. Y., a partnership consisting of Edward J. Fay and Kenneth C. Fay

Application December 16, 1939, Serial No. 309,563

2 Claims. (Cl. 15—244)



1. A device of the character described comprising a main body portion consisting of an elongated strip of relatively soft pliable material

of rectangular cross-sectional form twisted axially of itself and bent into looped form to present a plurality of separate relatively wide transversely curved faces and spiral ridges extending angularly of the main body portion.

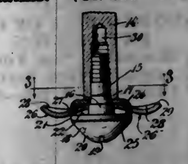
2,254,236

DRINK MIXER

Thomas B. Myers, Racine, Wis., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut

Application April 17, 1940, Serial No. 330,038

5 Claims. (Cl. 259—134)



1. A drink mixer comprising a rotatably mounted agitator shaft, means for rotating the shaft, a centrally apertured retaining member having a plurality of arched arms mounted on the shaft, agitator blades having pivotal means loosely engaged beneath said arms and bodily movable relative to said arms, and means for retaining the blades on said arched arms, whereby each blade is caused to pivotally embrace an arm at all points throughout its arched extent in moving radially from a nested position adjacent the shaft to an extended position on said arm.

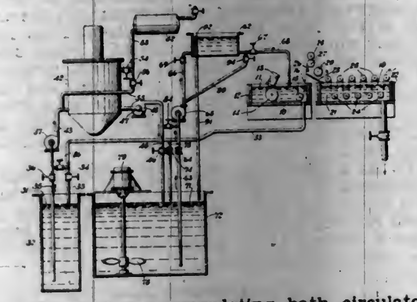
2,254,237

PROCESS

Roy W. Nash, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application July 1, 1939, Serial No. 282,415

6 Claims. (Cl. 18—54)



1. In a viscose coagulating bath circulatory system in which spent bath liquor is removed from the coagulating vat, part of the water thereof evaporated, new acid supplied and the reconditioned liquor returned to the coagulating vat, the step which comprises adding the fresh sulfuric acid to the bath liquor while the water is being evaporated to recondition said bath liquor.

2,254,238

METHOD OF PRODUCING REVERSE TWIST BARBWIRE

Henry A. Nelson, De Kalb, Ill.

Application June 16, 1939, Serial No. 279,545

4 Claims. (Cl. 140—58)

1. In the manufacture of barbwire, the method which comprises providing a plurality of parallel strands, at least some of which carry barbs, and



simultaneously twisting spaced portions thereof in opposite directions.

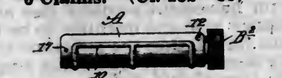
2,254,239

HAIR CURLER

N. William Norman, River Forest, Ill., assignor of one-half to Edward A. Grange, Chicago, Ill.

Application May 24, 1939, Serial No. 275,511

6 Claims. (Cl. 132—33)



1. A hair curling device comprising: an arcuate cover-member; a spool pivotally and rotatably secured to said cover-member, said spool being hollow and adapted to receive a heating element; and tensioning-means on said cover-member yieldingly urged towards the spool to stretch hair being wound thereon.

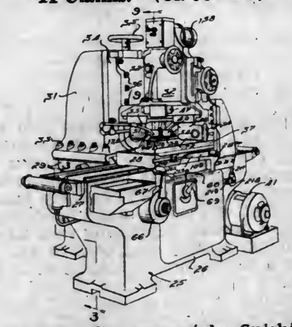
2,254,240

MACHINE FOR FINISHING GEARS

Ernest A. Overstedt, Detroit, Mich., assignor, by mesne assignments, to Michigan Tool Company, Detroit, Mich., a corporation of Delaware

Application December 6, 1933, Serial No. 701,097

11 Claims. (Cl. 90—1.6)



1. A machine for accurately finishing gears, including in combination, a bed, hydraulic mechanism in said bed, a motor for operating said mechanism, a reciprocable table on said bed, hydraulic means attached to said bed and table and connected to said mechanism, a rack tool on said table, a head above said rack having means for mounting a gear to be machined thereon, and means for moving said head towards said rack.

2,254,241

TREATMENT OF MILK WASTE

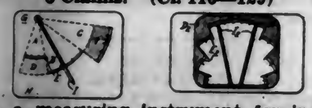
Ernest E. Pittman and Robert Roger Bottoms, Louisville, Ky., assignors to The Girdler Corporation, Louisville, Ky., a corporation of Delaware

No Drawing. Application September 16, 1938, Serial No. 230,258

10 Claims. (Cl. 99—54)

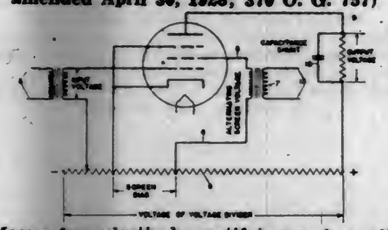
1. The method of treating milk waste materials including precipitating the protein and fat solids of a milk waste in the presence of bentonite, separating the precipitate from the liquid effluent and utilizing said separated precipitate as a milk waste by-product.

2,254,242
INDICATING MEASURING APPARATUS
Aldo Righi, Bologna, Italy
Application May 7, 1938, Serial No. 206,692
In Italy May 10, 1937
6 Claims. (Cl. 116—129)



1. In a measuring instrument for indicating the value of a variable quantity, a dial, an indicating member, means mounting said indicating member for movement across a face of said dial in accordance with the quantity to be measured, and means for varying the apparent size of said indicating member as it moves in a single transit across the face of said dial.

2,254,243
PHASE SELECTOR
Kenneth C. Ripley, Washington, D. C.
Application June 17, 1939, Serial No. 279,654
1 Claim. (Cl. 171—95)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



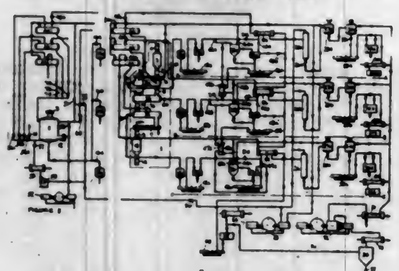
Means for selectively rectifying and amplifying one of two quadrature components of an alternating current voltage, comprising a thermionic amplifying means having a control grid and a screen which when negatively biased past a certain point will cause said amplifying means to be blocked, means impressing said alternating current voltage across said control grid, means impressing a direct current voltage on said screen of such value that a reduction in said value will cause blocking of said amplifying means, and means superimposing on said direct current voltage an alternating current voltage in-phase with that one of said two quadrature components which it is desired to amplify.

2,254,244
METHOD OF MAKING STOCKINGS
Kurt Röder, Chemnitz, Germany, assignor to Schubert & Salzer Maschinenfabrik Aktiengesellschaft, Chemnitz, Germany
Application April 28, 1939, Serial No. 270,669
In Germany April 30, 1938
8 Claims. (Cl. 66—82)



1. In a method for the manufacture of a stocking in a single operation upon a flat knitting machine in which the heel parts are produced while the loops of the middle part are placed in suspension and the connection of the loops of said heel parts and the sole parts are made at right angles without requiring a seam, said method for the formation of said heel parts comprising the steps of outwardly transferring loops of every second row of heel loops alternately for the distance of one needle except said loops hanging on the innermost two or three needles and decreasing, after every four rows of loops, the path or stroke of thread guides or carriers forming said heel parts for the distance of two needles which latter are placed in an inoperative position.

2,254,245
METHOD AND PRODUCT OF COTTONSEED EXTRACTION
Henry Rosenthal, New York, N. Y.
Application August 4, 1934, Serial No. 738,402
16 Claims. (Cl. 260—398)



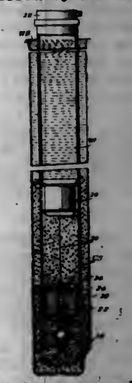
1. The method of extracting from cottonseeds which comprises subjecting cottonseed meats to a hydrocarbon solvent, gaseous at ordinary temperature and pressure, maintaining the solvent in the liquid phase while in contact with the material to be extracted, withdrawing the solution, passing the solution through a filter press, substantially completely removing the solvent from the solution by vaporizing the solvent at temperatures not exceeding a temperature in the order of 210° F. to separate the solvent from the extract whereby there is separated a crude cottonseed oil of a high quality, the final removal of solvent being done under a vacuum, and the initial removal of solvent being done at a pressure substantially in excess of the pressure at which the solvent is contacted with the cottonseed meats.

11. As a new composition of matter, a crude cottonseed oil characterized by the property that it is deodorized and that when it is subjected to usual refining treatment with caustic, it will produce a cooking oil of prime color or lighter fit for human consumption.

2,254,246
APPARATUS FOR CEMENTING WELLS
Domer Scaramucci, Oklahoma City, Okla., assignor to Oil Equipment Engineering Corporation, Oklahoma City, Okla., a corporation of Oklahoma
Application August 18, 1939, Serial No. 290,891
7 Claims. (Cl. 166—1)

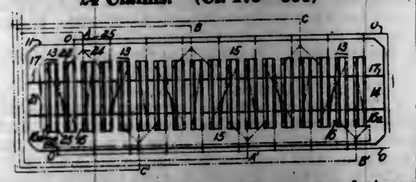
1. Apparatus for use in cementing a well, comprising a well casing, a pair of cementing plugs adapted to be inserted in said casing at the lower and upper ends respectively of a body of cement slurry, a valve member between the plugs, suspending means for maintaining the valve member substantially the same distance below the top plug, and shoe means positioned at the bottom end of the casing for engagement with the

bottom plug to stop its downward movement, said bottom plug having a through passageway arranged to be closed by the valve member when



sufficient cement has escaped from the casing to permit the valve member to move into closing engagement.

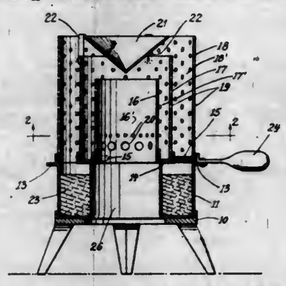
2,254,247
ELECTRIC CONVERSION
George T. Southgate, Forest Hills, Long Island, N. Y.
Application July 5, 1939, Serial No. 282,873
24 Claims. (Cl. 175—364)



1. The method of transferring power between separate circuits wherein the current in at least one is unidirectional, which comprises commutating on at least one side of a closely coupled transformer, opposing one to another in the core of the transformer the magneto-motive forces of primary and secondary power currents during commutation in such wise that there is no flux change in the core caused by the commutation, and leading wattless alternating currents directly and without commutation into one of the windings of the transformer other than those conducting the said power currents.

2,254,248
STOVE
Eugene D. Stirlen, New Haven, Conn., assignor, by mesne assignments, to Safety-Fuel Incorporated, West Cheshire, Conn., a corporation of Connecticut
Application April 22, 1940, Serial No. 330,875
9 Claims. (Cl. 126—43)

1. In a stove construction for burning solidified fuel the improvement comprising three substantially coaxially aligned upright tubular burner flue members, the outer and intermediate burner flue members having in their walls a multiple number of air holes and defining a combustion chamber, the inner burner flue member defining an inner air flue and with said intermediate burner flue member an intermediate chamber, means for admitting to said combustion chamber fuel vapors emanating from a vaporizing solidified fuel means for admitting a restricted flow of air to said intermediate chamber adjacent the bottom thereof, and air deflector means overlying the inner air flue and inner burner flue member, said intermediate chamber being substantially open and unobstructed at the end facing said deflector means and said deflector means being positioned to deflect air rising through said inner air flue and being spaced a substantial distance from the top edges of the inner and intermediate burner flue.



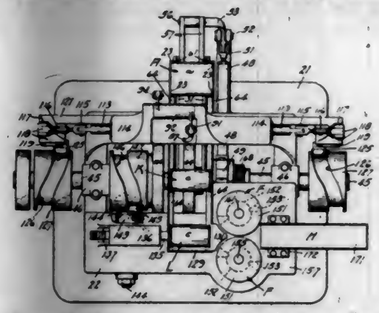
2,254,249
MANUFACTURE OF ETHYL CELLULOSE
Richard W. Swinehart and Albert T. Maasberg, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application March 30, 1940, Serial No. 327,032
5 Claims. (Cl. 260—231)

1. A process for the manufacture of organo-soluble cellulose alkyl ethers which comprises providing an alkali cellulose containing from 0.8 to 1.1 parts by weight of sodium hydroxide and from 0.28 to 0.38 part by weight of water per part of cellulose, subjecting the alkali cellulose to etherification in the presence of an excess of an alkyl halide containing from 1 to 4 carbon atoms, continuing the reaction with the original reagents until the crude cellulose ether contains from 1.5 to 1.9 alkoxy groups per anhydro-glucose unit, and, commencing at this stage of the etherification, adding sufficient solid sodium hydroxide to increase the amount of total alkali including that formerly present to within the range from 1.1 to about 3 parts by weight per part of cellulose, continuing the etherification until the sodium hydroxide concentration within the reaction vessel has been reduced at least to about 55 per cent but not substantially below about 30 per cent, discontinuing the reaction and isolating the so-formed uniformly substituted cellulose ether.

2,254,250
APPARATUS FOR REFORMING CAN BODIES
William E. Taylor, Jr., Riverside, Conn., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application February 18, 1938, Serial No. 191,311
5 Claims. (Cl. 153—3)

5. In a machine for reforming can bodies provided with relatively flat side parts joined by sharply curved connecting parts, the combination of tapered flanging dies, feeding devices for locating a flat can body between said flanging dies, means for inserting said dies into the opposite open ends of a said flat body to form end flanges thereon the while broadening the curve of the sharply curved connecting parts, feeding

means for further moving said flanged can body from said flanging dies, and means subsequently operative during said further feeding movement

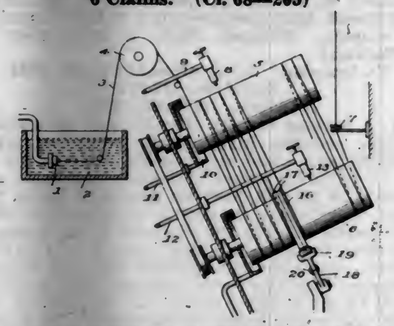


of the can body to engage the same between the said end flanges only to complete the reforming of said body.

2,254,251

DEVICE FOR USE IN THE AFTERTREATMENT OF ARTIFICIAL SILK

Johannes Uytenbogaart, Wassenaar, Netherlands
Application September 8, 1938, Serial No. 229,038
In Germany September 14, 1937
6 Claims. (Cl. 68—205)



2. In an apparatus for use in the treatment of threads, a roller over which threads are spirally passed, means to wet-treat different portions of said roller and a circular flange mounted on said roller to keep separate the different treating solutions used, said flange having at least one groove formed in the periphery thereof.

2,254,252

PROCESS OF DENSIFYING AND SOLIDIFYING POROUS MASSES

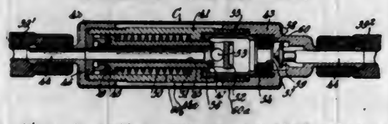
Louis S. Wertz, Cleveland, Ohio
No Drawing. Application December 14, 1940. Serial No. 370,174
15 Claims. (Cl. 61—36)

3. The process of reinforcing and solidifying porous masses of earth, rock, masonry, concrete and the like, which comprises combining hydraulic cement, water, a finely divided material containing acidic colloidal silica and a suspension stabilizing agent, thoroughly mixing the combined ingredients to obtain a stable, homogeneous suspension, and forcing the suspension into the voids and interstices of the mass while the suspension is plastic and before stiffening of the suspension due to gellation of the cement takes place.

2,254,253

AUTOMATIC PRESSURE OPERATED VALVE

Selden T. Williams, Bellerose, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Original application November 30, 1938, Serial No. 243,220. Divided and this application November 29, 1939, Serial No. 306,631
9 Claims. (Cl. 137—153)



1. An automatic pressure operated valve, comprising a casing having a normally open duct therethrough, a valve seat in said duct facing the pressure entering end of the duct, a piston check valve movable within said duct and movable in the direction of the admitted pressure fluid to engage the valve seat to close said duct upon admission of compressed air to said duct, a spring normally acting upon said check valve to hold it in unseated position, and means for applying delayed pressure effect from said duct to the piston for moving the piston to seat the valve after a blast of compressed air has passed through the duct.

2,254,254

METHOD OF MOLDING ARTICLES

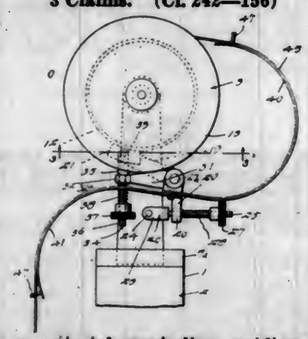
Charles E. Wooddell, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
No Drawing. Application October 30, 1937, Serial No. 171,989
4 Claims. (Cl. 51—293)

1. The method which comprises forming a mixture containing granular abrasive material and a resinoid, pressing said mixture in a mold to form an article, and heating the said article while it is under a pressure less than that used in forming the mixture into an article.

2,254,255

MATERIAL UNWINDING, GUIDING, AND TENSIONING STRUCTURE

Rudolph E. Zerunelth, New York, N. Y.
Application June 5, 1939, Serial No. 277,511
3 Claims. (Cl. 242—156)

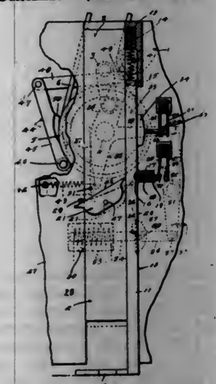


1. In a material unwinding, guiding, tensioning and supplying mechanism, a rotatable structure including a brake drum and a reel carrying the material and from which it is unwound, said drum and reel rotating in unison, guiding means for and upon the outer face of which travels the unwound material, a brake shoe for the drum, a pivoted braking pressure applying means for the drum and carrying said brake shoe, and a pivoted braking pressure modifying means connected to the brake shoe, said material guiding means being secured to said braking pressure modifying means, said guiding means consisting of upper and lower oppositely disposed curved leaf springs, the lower terminal of the upper spring being disposed in overlapping spaced relation with respect to the upper terminal of the lower spring to thereby provide a passage for directing the unwound material from off of the outer face of the upper spring onto the upper face of the lower spring.

2,254,256

SAFETY CONTROL

Rudolph E. Zerunelth, New York, N. Y.
Application August 14, 1939, Serial No. 290,091
8 Claims. (Cl. 192—137)

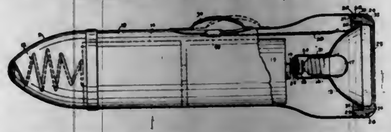


1. In a safety control for the purpose set forth a normally spring urged oppositely movable explorer adapted for disposing in the operative path of an oppositely movable driven element, and a trip-carrier adapted to be pivotally mounted on and bodily carried with said element for moving said explorer in one direction a predetermined extent against the action of its urging spring, said carrier having a laterally extending protuberance at its top, said explorer having a stud correlating with said protuberance to provide for such movement of the explorer by the carrier.

2,254,257

FLASHLIGHT ATTACHMENT

Myron J. Zimmer, Chicago, Ill., assignor to The Edward Katzinger Company, Chicago, Ill., a corporation of Illinois
Application April 17, 1939, Serial No. 268,167
7 Claims. (Cl. 240—10.6)

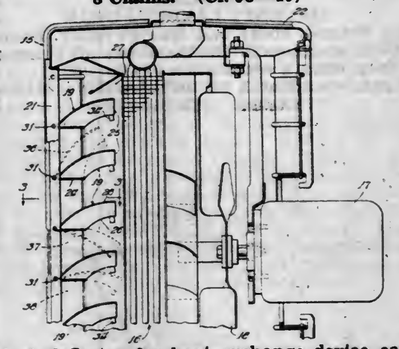


1. A flashlight comprising the combination of a casing, an attachment therefor including a lens provided with integral means engageable with said casing for direct connection thereto, a reflector having a non-circular radial flanged portion, and means formed on said lens to removably carry said reflector including an annular key way into which said radial flanged portion of the reflector may fit.

2,254,258

HEAT EXCHANGE DEVICE AND DEFLECTOR THEREFOR

Charles T. Perkins, Racine, Wis., assignor to Modine Manufacturing Company, Racine, Wis., a corporation of Wisconsin
Application June 16, 1938, Serial No. 213,971
8 Claims. (Cl. 98—40)

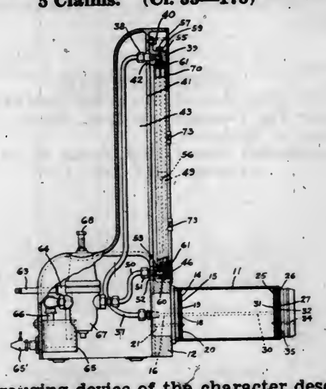


1. A deflector for heat exchange device comprising an elongated blade having oppositely disposed, relatively inclined edge portions, one end portion of the blade extending transversely and at substantially a right angle to one of said edge portions, the opposite end portion of the blade extending transversely and at substantially a right angle to the opposite edge portion thereof.

2,254,259

GAUGING DEVICE

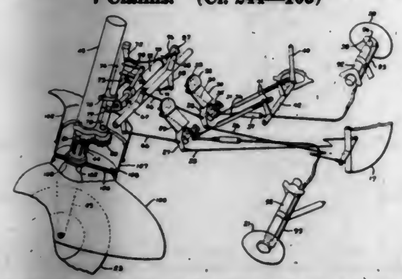
Willis Fay Aller, Dayton, Ohio, assignor to The Sheffield Corporation, a corporation of Ohio
Application June 19, 1940, Serial No. 341,347
5 Claims. (Cl. 33—178)



1. A gauging device of the character described comprising a gauging element adapted for interfitting engagement with a workpiece to be gauged, said element having a fluid passage for cooperation with the workpiece to provide a leakage path the effective size of which is varied by the fit of the workpiece, a conduit, means in substantially free communication with said conduit for supplying fluid thereto at a constant

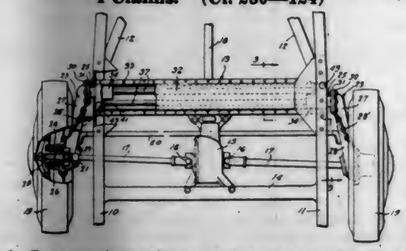
pressure, a controllable device for adjusting the pressure of the fluid in said means, said conduit having communication with said fluid passage, and means operable in said conduit longitudinally thereof to different positions of balance therein in response to variations in the rate of fluid flow through the conduit and independently of fluid pressure in the conduit for indicating deviation of a workpiece being gauged from an acceptable size standard.

2,254,260
AIRCRAFT LANDING GEAR
Alex Francis Arcier and Max P. Baker, Dayton, Ohio, assignors to The Waco Aircraft Company, Troy, Ohio, a corporation of Ohio
Application March 30, 1939, Serial No. 264,894
7 Claims. (Cl. 244—103)



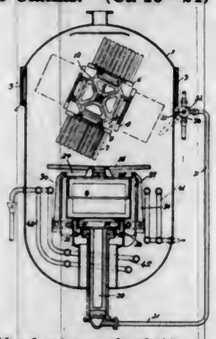
1. In an aircraft, a landing wheel, a post rotatably supporting said wheel, means rotatably supporting said post to provide for castering movement of the wheel to opposite sides of a normal position, and control means for rotating said post from a position displaced from normal, said control means having a lost motion connection to the post, the range of movement of the control means and the lost motion connection being such that the control means is effective to return the wheel only part way to the normal position and providing for free castering movements of the wheel in a range extending through a substantial angle to opposite sides of its normal position.

2,254,261
MOTOR VEHICLE
Frank C. Best, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application June 7, 1939, Serial No. 277,854
4 Claims. (Cl. 280—124)



1. In a motor vehicle, a frame, a pair of parallel torsion bars extending across the frame, one in advance of the other, means anchoring one end of said bars to the frame, means for rotatably mounting the other end of said bars on the frame, the rotatable ends and the anchored ends of the bars being relatively oppositely disposed, similar wheel carriers fixed to the free ends of the torsion bars, and wheels mounted on said carriers, said wheels being mounted one slightly in advance of the other due to the arrangement of the torsion bars and the similarity of the carriers whereby wheel impacts will be slightly staggered.

2,254,262
METHOD OF AND APPARATUS FOR PRODUCING HOLLOW BODIES
Kurt Bratring, Dahlem, Berlin, Germany, assignor to Neocell Products Corporation, a corporation of Delaware
Application October 12, 1938, Serial No. 234,619
In Germany May 13, 1936
9 Claims. (Cl. 18—24)



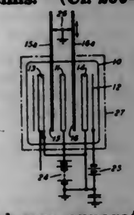
1. The method of manipulating a mold in an operation involving dipping the same in a bath, which consists in introducing the end of the mold into the bath by a movement at an angle to the axis of the mold, completing the dipping by a movement along said axis, partially withdrawing the mold by a reverse motion along said axis, and completing the withdrawal by a movement at a considerable angle to said axis.

2,254,263
METHOD OF PRODUCING HIGHLY LUSTROUS HOLLOW BODIES FROM CELLULOSE PRODUCTS AND OTHER SUBSTANCES
Kurt Bratring, Dahlem, Berlin, Germany, assignor to Neocell Products Corporation
Application October 15, 1938, Serial No. 235,240
In Germany May 7, 1936
3 Claims. (Cl. 18—58)



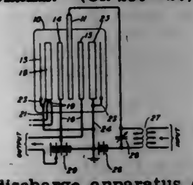
1. The method of producing lustrous hollow articles of plastic composition which includes forming on a core a thin skin of a material capable of being hardened by drying, and of being softened again by the action of moist heat, which skin is neutral to and not substantially attacked or modified by any material with which it comes in contact during the subsequent dipping operation, thoroughly drying said skin to provide a hard, dry, lustrous surface, immersing the mold so formed in a dipping bath, thereby producing a hollow article on the mold, drying the article, subjecting the mold with the article thereon to the action of moist heat at a temperature sufficiently high to soften the skin, and removing the hollow article from the mold.

2,254,264
ELECTRON DISCHARGE APPARATUS
Edmond Bruce, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 6, 1939, Serial No. 298,203
10 Claims. (Cl. 250—36)



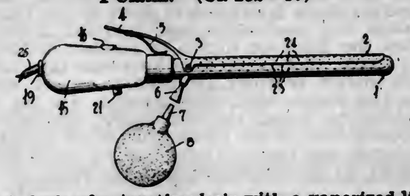
1. Electron discharge apparatus comprising a cathode, a linear anode spaced from said cathode, means including said cathode for producing a spiraling cloud of electrons about said anode, and an output circuit including a pair of substantially identical spaced electrodes at direct current cathode potential in proximity to and equally spaced from said anode and a tuned circuit connected between said last-mentioned spaced electrodes.

2,254,265
ELECTRON DISCHARGE APPARATUS
Edmond Bruce, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 6, 1939, Serial No. 298,204
9 Claims. (Cl. 250—27)



1. Electron discharge apparatus comprising a cathode, an accelerating electrode and an anode mounted in alignment and parallel to one another, said accelerating electrode being between said cathode and said anode and said cathode and said anode comprising linear members of commensurate areas, a control electrode in proximity to said anode, means applying positive potentials to said accelerating electrode and anode with respect to said cathode, and means including an auxiliary electrode having a portion on the side of said anode remote from said cathode for producing a low potential field on said side, said cathode and anode being unsymmetrically mounted with respect to said auxiliary electrode, and said positive potentials and low potential field being such that a region of minimum potential obtains in the immediate vicinity of said anode.

2,254,266
HAIR CURLER
Merle D. Cannon, Waukomis, Okla.
Application April 4, 1939, Serial No. 266,005
1 Claim. (Cl. 132—37)

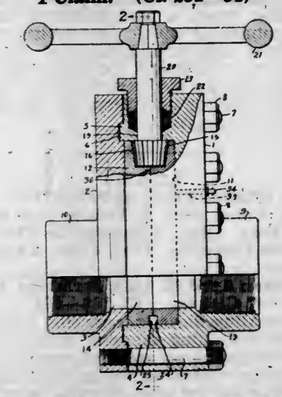


A device for treating hair with a vaporized liquid comprising a pair of hair engaging members, one of said members having a vapor generating chamber therein and being provided with a plurality of vapor outlets of capillary size through its surface, an electric heating element of the sheathed type arranged in said chamber, the spacing between the sheath of said heating element and the inner walls of said vapor generating chamber being uniformly smaller than the size normally assumed by a drop of said liquid balling up upon contact with the heated surface of said heating element, and means for injecting said liquid into said generating chamber.

2,254,267
METHOD OF PRESERVING LATEX AND PRODUCT
Thomas S. Carswell, Kirkwood, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application June 20, 1938, Serial No. 214,777
7 Claims. (Cl. 260—820)

7. Latex having incorporated therein as a preservative at least 0.07% ammonia, the amount being only a fraction of that required to preserve the latex by ammonia alone and a water soluble penta chlor phenate in an amount sufficient to provide an effectively preserved latex.

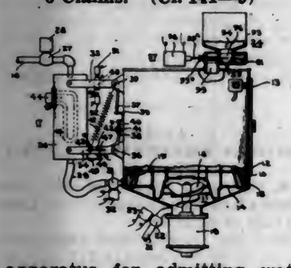
2,254,268
VALVE
Walter L. Church, Houston, Tex.
Application January 6, 1939, Serial No. 249,619
1 Claim. (Cl. 251—84)



A valve assembly comprising a casing having a flowway therethrough, relatively rotatable valve discs in the casing having unobstructed

openings therethrough of the same diameter as the flowway and positioned to register with each other and with the flowway when the discs are turned to one position to form a passageway of uniform diameter through the casing, said openings being positioned to move out of registration with each other and with the flowway when the discs are turned to another position, the facing sides of the discs have cam faces and anti-friction bearings arranged to co-act with the cam faces, when said openings are out of registration to seat the discs closely against the opposing walls of the casing around the flowway, said cams and bearings being located wholly outside of the passageway through the casing.

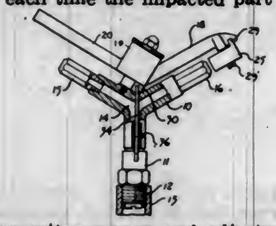
2,254,269
WASHING APPARATUS
Earl K. Clark and Frank Breckenridge, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 30, 1938, Serial No. 227,457
6 Claims. (Cl. 141—9)



1. In apparatus for admitting water to a washing machine having a water-containing washing chamber, the combination of a measuring device for the water, a valve for controlling the admission of water to said device, a second valve for operation to deliver water to the washthe device to said washing chamber, means responsive to the amount of water in said device for controlling said valves and effective to close said first valve when a predetermined amount of water is contained within the measuring device and to condition said first valve for operation to admit water to the device at other times, said means being effective to condition said second valve for operation to deliver water to the washing chamber when a predetermined amount of water is contained within the measuring device and to close said second valve at other times, and other control means for selectively opening said valves during the periods when the valves are conditioned for operation by the first-mentioned control means.

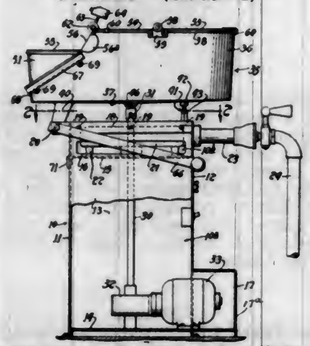
2,254,270
SPRINKLING APPARATUS
Walter H. Coles, Bert J. Nelson, and Bert Jennings, Troy, Ohio, assignors to The Skinner Irrigation Company, Troy, Ohio, a corporation of Ohio
Application April 22, 1938, Serial No. 203,564
7 Claims. (Cl. 299—69)

6. A sprinkling device comprising a supporting member, a sprinkling member mounted for rotational movement on said supporting member and having a distributing nozzle, impacting means operably carried by one of said members and operated by the water that flows through such member, an impact part impacted by said impacting means for moving the sprinkling member step by step on said supporting member, means operated by said impacted part for applying a frictional restraining force on the sprinkling member each time the impacted part is engaged



by the impacting means, and adjustment means operable to adjust the amount of frictional restraint applied by said impacted part for each impact.

2,254,271
CORN POPPING APPARATUS
Charles J. Cretors, Chicago, Ill.
Application July 17, 1939, Serial No. 284,935
9 Claims. (Cl. 53—4)



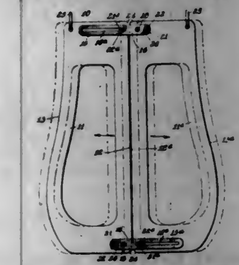
1. In a corn popping apparatus, the combination of a popping kettle, a hinged cover section closing a portion only of the kettle and which cover section may be swung into an open position, and means connected to said cover section and operating after the increasing volume of the popped corn has initiated an opening of the cover section, automatically to impart the final portion of the opening movement to said cover section.

2,254,272
TAMPON
Joseph R. Crockford, Chicago, Ill.
Application June 22, 1940, Serial No. 341,811
7 Claims. (Cl. 128—285)



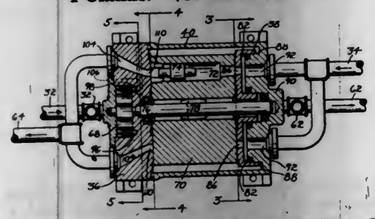
1. A tampon having a body composed of viscose or cellulose sponge material.

2,254,273
GARMENT STRETCHING AND DRYING FRAME
Jane Van Cleve Dimelow, New York, N. Y.
Application January 6, 1940, Serial No. 312,641
3 Claims. (Cl. 223—69)



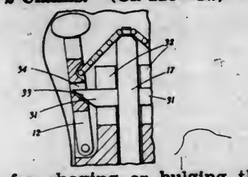
1. A device of the character described comprising a pair of closely-associated flat frame members having straight, registering inner edges and reversely-curved outer edges, and means arranged wholly within the outlines of said frame members for maintaining said frame members operatively associated; said means including flat link members arranged adjacent the upper and lower edges of said associated frame members; each of said link members including a solid intermediate portion and slotted end portions extending therefrom, one of said link members being pivotally secured at its intermediate portion to one of said frame members with one of its slotted end portions extending over the other of said frame members, and the other of said link members having its intermediate portion pivotally secured to said last-named frame member and one of its slotted ends extending over said first-named frame member to permit of either end of either frame member to be partially rotated about the pivotal connection at the other end thereof whereby to vary the transverse dimension of the device at either end without change of dimension at the other end, and clamping screws on each of said frame members severally engaging with the slotted ends of said link members for securing the same in position and said frame members in adjusted relation.

2,254,274
METERING DEVICE
Thomas B. Doe, New York, N. Y., assignor to The Waterbury Tool Company, Waterbury, Conn., a corporation of Connecticut
Application May 12, 1937, Serial No. 142,221
4 Claims. (Cl. 221—95)



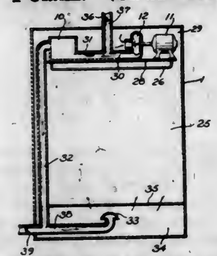
1. A metering device operable to deliver fluid at an average rate proportional to the speed at which the device operates comprising a rotatable block having a plurality of cylinders therein with a distributing port at each end, freely slidable pistons in said cylinders, means forming inlet and outlet ports cooperating wtih one end of said cylinders, means forming inlet and outlet ports cooperating with the opposite ends of said cylinders, and in alignment with the outlet and inlet ports respectively at the one end of the cylinders, means for rotating said cylinder block, means for connecting the inlet ports to a common inlet duct and means for connecting the outlet ports to a common outlet duct.

2,254,275
MACHINE OR APPARATUS FOR SHAPING METAL TUBES, CONTAINERS, AND THE LIKE
John Arthur Dove, Sutton-in-Ashfield, England, assignor to Barringer, Wallis & Manners, Limited, Rock Valley, Mansfield, England
Application April 21, 1939, Serial No. 269,276
In Great Britain April 25, 1938
2 Claims. (Cl. 113—52)



1. A tool for shaping or bulging thin-walled tubular bodies such as thin sheet metal containers, comprising a head rotatable at relatively high speed; an arm pivotally carried by said head and responsive to centrifugal force produced by said rotation to move radially outward from the axis of rotation; an ellipsoidal roller journaled on said arm for engagement with the inner surface of an outwardly unsupported portion of the work; means for controlling the outward movements of said arm and roller in opposition to said centrifugal force, comprising a rod slidable axially within the head and a flexible connection between said rod and arm; and means carried by said rod and engageable with said arm for applying positive outward pressure on the arm during a shaping operation to minimize vibration of the arm and roller.

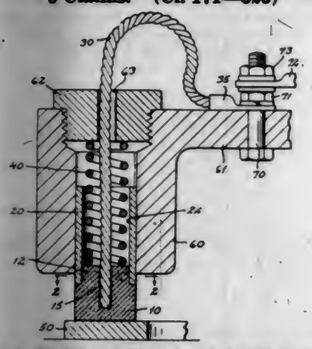
2,254,276
MOTHPROOF WARDROBE
Philip B. Ellis, Ridley Park, Pa.
Application May 26, 1938, Serial No. 210,101
1 Claim. (Cl. 21—109)



In a wardrobe the combination comprising a closed chamber, a closed circuit within the wardrobe through which air can be removed from and returned to the closed chamber, a receptacle in said closed circuit for holding a solid parasite-exterminating agent having an appreciable vapor pressure at room temperatures, air circulating means disposed above said closed chamber for circulating air through the closed circuit and in direct contact with the agent, an open circuit,

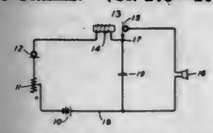
including the aforesaid circulating means, provided with a fresh air intake disposed in the bottom and an exhaust air exit disposed in the top of the wardrobe, valves disposed in the closed and open circuits to direct the flow of air in contact with the agent when the closed circuit is operating and out of contact with the agent when the open circuit is operating.

2,254,277
ELECTRIC CONTACT BRUSH
John F. Ehlers, Baltimore, Md., assignor to The Ohio Carbon Company, Cleveland, Ohio, a corporation of Ohio
Application May 29, 1940, Serial No. 337,739
3 Claims. (Cl. 171—323)



1. In a device of the character described, the combination of a housing, a sleeve slidably mounted within the housing, a contact block removably secured to the sleeve and extending into it and beyond it, a helical compression spring within the sleeve and bearing at one end against the contact block and at the other end against a stop, and an electric conductor passing freely through the sleeve and having its end attached to the contact block.

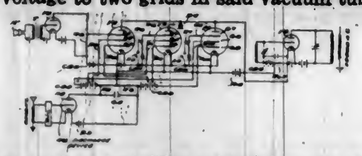
2,254,278
MECHANICAL AMPLIFIER
George J. V. Faley, Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 20, 1939, Serial No. 280,018
5 Claims. (Cl. 179—107)



1. In an amplifying system, a pick-up microphone, an amplifier comprising receiver and microphone units, a receiver and a source of current all connected in a closed series loop and a condenser of large capacity connected from the common connection between the units of the amplifier to the electrically remote connection between the pick-up microphone and the receiver.

2,254,279
ELECTRONIC COMMUTATOR
Oliver T. Francis, Renville, Minn.
Application June 29, 1939, Serial No. 281,965
18 Claims. (Cl. 179—15)

13. In an electrical system, means for generating electrical pulses at desired time intervals, means for producing a voltage, a vacuum tube having a plurality of grids, means for applying said voltage to two grids in said vacuum tube, to



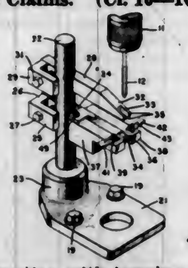
tend to produce a positive potential on one of said grids, and a negative potential on a second of said grids, and means for biasing said grids to render said vacuum tube conductive at a desired portion of said time intervals.

2,254,280
ELECTRICAL DISTRIBUTION SYSTEM
Herman Gottheimer, Detroit, Mich., assignor to Bulldog Electric Products Company, Detroit, Mich., a corporation of West Virginia
Application April 5, 1939, Serial No. 266,147
6 Claims. (Cl. 173—334.1)



1. An outlet strip comprising an elongated ribbon of rubber or the like having its edges inwardly folded to provide a back part and two front parts, thin flat conductors within the folded ribbon so formed and positioned that their faces are parallel to those of the back part, the outlet strip as a whole, and the conductors particularly, being of so little thickness, measured in a direction perpendicular to the plane of the back part of the strip that the outlet strip can be coiled readily on an axis parallel to its back part and perpendicular to the run thereof.

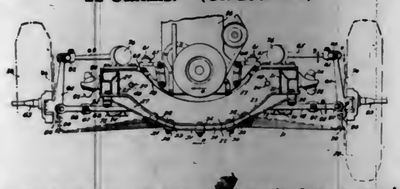
2,254,281
TAPPING FIXTURE
Victor Grey, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application September 11, 1939, Serial No. 294,265
9 Claims. (Cl. 10—107)



1. In combination with tapping or drilling machines having a horizontal bed plate and a vertical rotary spindle, a universal fixture appliance comprising a vertical cylindrical post, means for securing said post to said bed plate in perpendicular alignment, a pair of main supporting members, means for clamping said members to said post at variable height and in predetermined space relationship each from the other, a pair of

side confining guides, means for adjustably securing said guides to one of said members, and a forward stop including means for adjustably securing said stop, said side guides, supporting members, and stop comprising limiting elements effective in a plurality of lateral directions for embracing and restricting piece parts therebetween.

2,254,282
MOTOR VEHICLE
Walter R. Griswold, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application November 12, 1938, Serial No. 240,107
11 Claims. (Cl. 180—64)

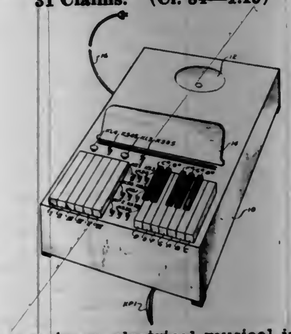


1. In a motor vehicle, a chassis frame, a rigid carrier movably secured to the frame, a pair of link wheel suspension means fixed to the carrier, a transversely extending spring fixed centrally to the carrier and at its ends to the link suspension means, and shock absorbers connected with the link suspension means and mounted on said carrier.

2,254,283
PROCESS FOR PREPARING URETHANES
Wolfgang Gündel, Dessau in Anhalt, Germany, assignor, by mesne assignments, to Heberlein Patent Corporation, New York, N. Y., a corporation of New York
No Drawing. Application February 27, 1939, Serial No. 258,731. In Germany April 8, 1938
7 Claims. (Cl. 260—482)

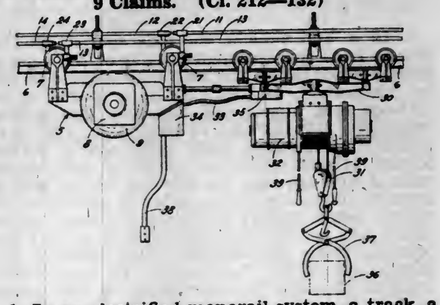
1. Process for preparing higher molecular urethanes which comprises heating a higher molecular chlorcarbonic acid ester and adding thereto a finely divided ammonium salt of a weak acid which liberates ammonia under the conditions of the reaction and continuing the reaction under heat until the reaction goes substantially to completion.

2,254,284
ELECTRICAL MUSICAL INSTRUMENT
John M. Hanert, Wilmette, Ill., assignor to Hammond Instrument Company, Chicago, Ill., a corporation of Delaware
Application May 18, 1939, Serial No. 274,325
31 Claims. (Cl. 84—1.19)



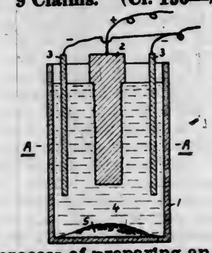
1. For use in an electrical musical instrument of multi-octave range having a plurality of keys, and an output circuit including electroacoustic translating means; the combination of a variable frequency generator of electrical impulses for each octave of the range of the instrument, circuits controlled by said keys simultaneously to vary the frequencies of said generators throughout their respective octave ranges, so that corresponding notes in their respective octaves will be generated thereby, and means connected between said generators and said output circuit for controlling the transmission of impulses from selected generators to said output circuit.

2,254,285
AUTOMATIC CONTROL FOR MONORAIL SYSTEMS
Frank C. Harris and Carrol deV. Miller, Lakewood, Ohio, assignors to The American Mono Rail Company, Cleveland, Ohio, a corporation of Ohio
Application April 12, 1939, Serial No. 267,444
9 Claims. (Cl. 212—132)



1. In an electrified monorail system, a track, a motor driven trolley mounted on said track, a plurality of conductors extending substantially continuously along said track for supplying electrical current to said trolley, a separate control conductor extending along said track for completing a control circuit to said trolley, said control conductor having a section thereof insulated from the remaining portion of said conductor, switch means for opening the circuit leading to said insulated section and means for controlling said trolley mounted on said trolley and arranged automatically to stop said trolley and permit said trolley to remain stopped for an appreciable period of time when said trolley reaches the insulated section of said control conductor.

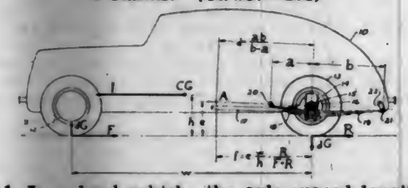
2,254,236
ELECTRODE
Anna P. Hauel, New York, N. Y.
Application September 23, 1939, Serial No. 296,221
9 Claims. (Cl. 136—24)



1. In a process of preparing an active mass for the electrodes of cadmium-nickel storage batteries the step of forming a substance of the group consisting of cadmium hydroxide and cad-

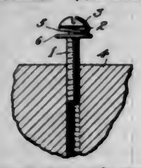
mium oxide by anodic oxidation of metallic cadmium in the presence of at least one other heavy metal in finely divided state in an electrolyte consisting of an aqueous solution of at least one substance selected from the group consisting of alkali salts and alkali hydrates.

2,254,287
NON-REARING-UP AUTOMOBILE SPRING SUSPENSION
Paul Heftler, Chicago, Ill.
Application August 18, 1939, Serial No. 290,851
4 Claims. (Cl. 280—124)



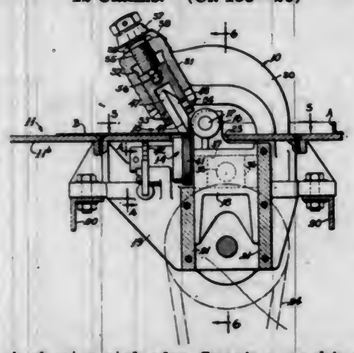
1. In a land vehicle, the axle spaced longitudinally from the center of gravity of the vehicle, wheels rotatable on the axle and adapted to roll on the ground, means to cause a torque to act between said wheels and said axle, leaf springs extending transversely to said axle and fixed thereto intermediate their ends, and a sprung portion of said vehicle supported in part by the ends of said springs, the portions of the springs between the axle and the center of gravity of the vehicle being shorter than the portions on the other side of the axle, the lengths of the two portions being such that the application of said torque will affect the velocity of said vehicle without affecting the orientation of the sprung portion thereof.

2,254,288
SCREW ASSEMBLY FOR ELECTRICAL APPARATUS
Dominic J. Holleran, Irvington, N. J., assignor to The National Lock Washer Company, Newark, N. J.
Application April 18, 1939, Serial No. 268,581
2 Claims. (Cl. 151—35)



1. An article of manufacture comprising a screw having a head, a shank portion adjacent the head and a threaded portion extending from the shank to the entering end of the screw, the threaded portion being larger in diameter than the shank portion, a lock washer on the shank next to the head and a flat contact-making washer between the lock washer and the beginning of the threaded portion, the flat washer per se being initially cup-shaped and having a hole of uniform diameter therein for freely passing over the threaded portion of the screw, the hole in the washer, when in working position on the screw, being then non-uniform in diameter with the hole edge toward the threads on the screw being smaller in diameter than the hole edge toward the head of the screw to secure more positive positioning means of the washer on the screw.

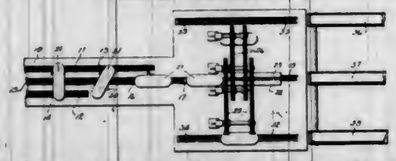
2,254,289
SHEET METAL WORKING MACHINE
John Jensen, Rockford, Ill., assignor to Whitney Metal Tool Company, Rockford, Ill., a corporation of Illinois
Application January 14, 1939, Serial No. 250,956
12 Claims. (Cl. 153—26)



6. A sheet metal edge flanging machine comprising, in combination, a work table presenting a large unobstructed surface with an opening substantially at its center, a pair of cooperating feed rollers arranged with one roller in said opening and generally below said surface and with the other roller above it, power actuated means connected in driving relation with at least one of said rollers, and a power actuated bending head projectable from below said surface through said opening.

12. An edge flanging machine for sheet metal work comprising, in combination, a feed mechanism including a pair of rollers adapted to receive a sheet of metal therebetween and power actuated means for revolving at least one of said rollers to feed the sheet, one of said rollers having an anvil surface thereon, a hammer movable in a path transverse to the plane of the sheet to bend a marginal edge portion thereof against said anvil surface, and power actuated means for driving said hammer.

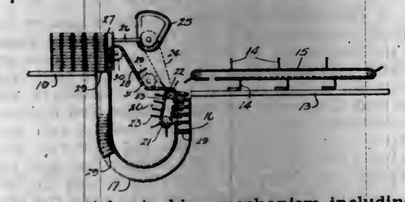
2,254,290
CONVEYER MECHANISM
Curt G. Joa, Sheboygan Falls, Wis., assignor to Curt G. Joa, Inc., Sheboygan Falls, Wis., a corporation of Wisconsin
Original application October 30, 1937, Serial No. 171,861. Divided and this application February 7, 1940, Serial No. 317,645
7 Claims. (Cl. 198—20)



1. In a conveyer mechanism, the combination with means providing a transfer station, of a plurality of separate conveyers for delivering articles from said station and an intermediate feeding conveyer leading to said station between said first mentioned conveyers and including means for feeding a succession of articles at predetermined intervals, a plurality of cross conveyers operating at said station from said feeding conveyer to the respective delivery conveyers

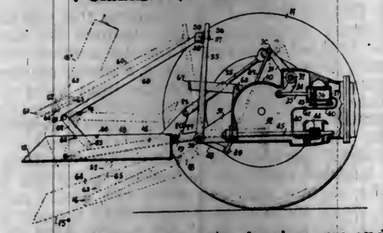
and provided with propelling means so spaced as to engage different articles fed to said station by said feeding conveyer, whereby successive articles so fed are transferred to the respective delivery conveyers.

2,254,291
STACKING MECHANISM
Curt G. Joa, Sheboygan Falls, Wis., assignor to Curt G. Joa, Inc., Sheboygan Falls, Wis., a corporation of Wisconsin
Original application October 30, 1937, Serial No. 171,861. Divided and this application April 6, 1940, Serial No. 328,363
12 Claims. (Cl. 214—6)



8. An article stacking mechanism including a horizontally disposed article feed platform and a horizontally disposed stacking platform spaced therefrom, a tubular conduit leading from a point adjacent one edge of the feed platform to a point adjacent one edge of the stacking platform, said conduit having a depending arcuate portion intermediate the platforms, means for feeding articles from the feed platform into the conduit, means for propelling groups of articles through the conduit, and means for delivering the groups of articles from the conduit onto the stacking platform.

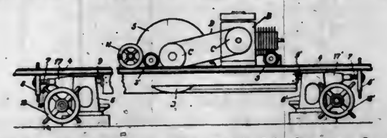
2,254,292
SCOOP ATTACHMENT FOR TRACTORS
Martin E. Jones, Granite Falls, N. C.
Application March 24, 1941, Serial No. 384,901
7 Claims. (Cl. 37—124)



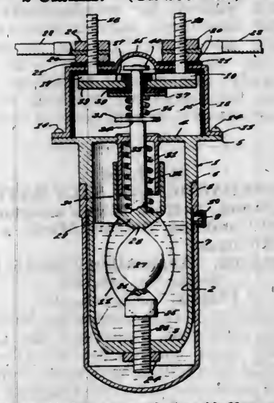
2. In combination, a tractor having one end of a boom pivoted thereto, a scoop pivotally connected to the free end of the boom, and having a closed end and an open end, a power actuated lever rotatably mounted on said tractor, a link connecting the free end of the said lever and said boom, and means controlled by the rotation of said lever for rotating the open end of the scoop downwardly about its pivot while it is being elevated to cause the contents to spill therefrom.

2,254,293
SAWING MACHINE
Arthur Kaehlert, Berlin, Germany
Application July 2, 1938, Serial No. 217,243
In Germany July 6, 1937
1 Claim. (Cl. 143—47)

A sawing machine comprising two standards spaced from each other, a stationary track removably mounted on said standards, a sawing unit placed on said track so as to be removable as a whole from said track, said unit comprising a carriage movable along said track, a sawing device mounted on said carriage, said device having a multiple set of double-acting blades, carriage wheels resting on said track and a motor also disposed on said carriage and operatively connected with said blades and said wheels for actuating said blades while impelling said carriage along said track, clamping means carried by said standards for securing a log below and in parallel relation to said track, and means disposed on said standards for vertically adjusting said clamping means relative to said track so as to ensure cutting of the log throughout its cross section.

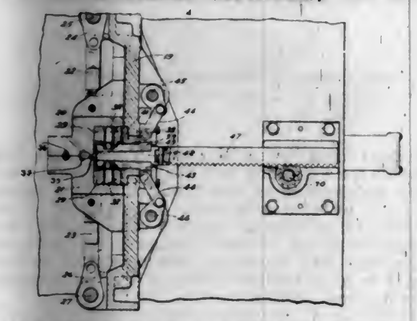


2,254,294
SWITCH
Lennie V. Kimmell, Hoisington, Kans.
Application August 8, 1940, Serial No. 351,797
2 Claims. (Cl. 200—52)



1. In a switch, a substantially cylindrical housing having closed upper and lower ends, respectively, a hollow cap member surmounting the upper end of the housing, and forming a closed chamber therewith, an axial plunger shaft vertically slidable in the upper end of said housing and having an upper end in said chamber and a socketed lower end in said housing, a member upstanding axially from the lower end of said housing and having a socketed upper end therein, a substantially elliptical member having ends fitting in said sockets and holding the plunger shaft in a normal position and against downward movement, said elliptical member being adapted to be dislodged from said sockets under impact against an object of a vehicle equipped with the switch, a pair of contacts fixed in the upper end of said chamber upon diametrically opposite sides of said plunger shaft, means on said plunger shaft within said chamber yieldingly bridging said plates in the normal position of said shaft, and spring means urging said shaft downwardly, said housing being provided with a pair of diametrically opposite openings therein for access to said elliptical member.

2,254,295
MOLD
George C. Kohl and Marius Guyot, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application December 17, 1938, Serial No. 246,442
33 Claims. (Cl. 22—149)



28. A permanent mold comprising complementary mold halves recessed to form a piston casting cavity, a multipart core arranged within said piston casting cavity comprising a central core piece supported for axial movement into and out of said cavity and a pair of side core pieces supported and guided for substantially straight line sliding movement toward and away from each other, and power means to move said central core members axially out of said casting cavity and means to move said side core pieces simultaneously towards each other after the withdrawal of said central core piece.

2,254,296
CASEHARDENING SALT BATH
Paul H. Kramer, Detroit, Mich., assignor to Park Chemical Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application June 15, 1940, Serial No. 340,769
7 Claims. (Cl. 148—15)

1. The method of case hardening ferrous metal parts which comprises immersing the parts in a molten salt bath containing an alkali metal cyanide while protecting said bath from atmosphere by a covering layer of graphite and decomposing the cyanide by reaction with an alkali metal salt of an oxygen compound of phosphorus, the remainder of said bath being essentially made up of alkali metal salts.

2,254,297
PAPERMAKING MACHINE
Herman L. Kutter, Hamilton, Ohio, assignor to The Black-Clawson Company, Hamilton, Ohio, a corporation of Ohio
Application February 9, 1938, Serial No. 189,641
4 Claims. (Cl. 92—45)

1. In a Fourdrinier machine having a breast roll and a forming wire, a table section having a series of table rolls over which the wire travels, said section comprising a pair of spaced side rails supporting opposite ends of the table rolls each side rail having downwardly extending bracket projections arranged in pairs, flexible hangers arranged in pairs between said projections and secured at their lower ends to said bracket projections, and substantially horizontal stationary rail supporting beams one provided centrally below and adjacent each of the side rails between the bracket projections and each beam symmetrically connected at opposite sides thereof to the upper ends of a pair of said flexible hangers, and means for laterally vibrating said side rails.



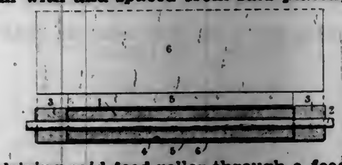
3. A Fourdrinier machine of the character described comprising a breast roll, means for shaking the breast roll, a sectional forming table extending outwardly from the breast roll, said table having an initial section having stationary side rails and table rolls rotatably supported thereon, a subsequent table roll section having roll supporting rails, carrying means for said roll supporting rails, spring means supporting said roll carrying rails from said carrying means for lateral vibratory movement and providing for substantial lateral vibratory movement of the terminal end thereof most remote from the initial section, means for laterally vibrating said roll supporting rails throughout their length, and a stationary suction box section immediately following a laterally vibratory end of said subsequent table roll section and having a series of suction boxes.

2,254,298
METHOD OF CONDITIONING CYLINDERS AND THE LIKE
Charles W. Latham, Maspeth, N. Y., assignor to Smart Platen Process Co., Inc., Brooklyn, N. Y.
No Drawing. Application February 23, 1940, Serial No. 320,423
10 Claims. (Cl. 91—68)

1. The method of conditioning the surface of a cylinder which consists in cleaning the surface to be treated, spray coating the surface with a lacquer primer, spray coating a metal pigmented lacquer thereover, masking the high spots of the surface with a material to prevent formation of a continuous film thereover, spray coating a metal pigmented lacquer over the masked and unmasked portions of the surface, washing off the masked portions, remasking the high spots of the surface and recoating the whole surface with metal pigmented lacquer until the low spots of the surface are built up to the level of the highest areas of the surface, and spray coating the entire surface with a protective lacquer film.

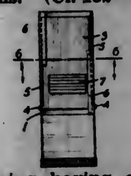
2,254,299
TABULATING MACHINE OR THE LIKE
Bernard Léger, François Dussaillant, Fernand Bessiere, and Fernand Boyer, Paris, France, assignors, by direct and mesne assignments, to firm Compagnie Parisienne de Distribution d'Electricite, Paris, France
Application October 20, 1938, Serial No. 236,024
In France March 1, 1938
3 Claims. (Cl. 197—132)

1. In a device of the character described, having a rotatable platen shaft, the combination of means for driving said platen shaft, two spaced rollers respectively secured at the ends of said shaft and over which a main web is intended to be fed, a platen loosely mounted on the shaft between said two rollers and over which superposed carbon and tally webs are intended to be fed, a feed roller rotatably mounted in parallelism with and spaced from said platen, means



for driving said feed roller through a feed length less than that of said spaced rollers secured to said platen shaft and means for pressing against said feed roller said superposed carbon and tally webs intended to be fed to the platen and likewise away from the same.

2,254,300
COSMETIC CONTAINER
Maurice E. Lessin, New York, N. Y., assignor to Coty, Inc., Wilmington, Del., a corporation of Delaware
Application May 19, 1939, Serial No. 274,577
2 Claims. (Cl. 132—79)



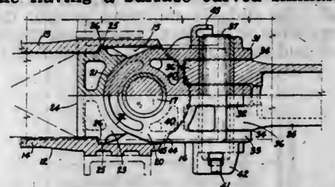
1. A lipstick casing having a body member for housing a lipstick and a cover member for enclosing the open end thereof, said cover member having flat sides, flanges formed on the outer wall of said sides operating as guideways and a mirror slidable in said guideways to the operative or inoperative positions, said mirror being externally and independently actuable in relation to said cover member.

2,254,301
COMPOSITION OF MATTER
Franklin A. McCann, Pasadena, Calif., assignor to The Pacific Clay Products Company, Los Angeles, Calif., a corporation of California
No Drawing. Application May 17, 1940, Serial No. 335,791
7 Claims. (Cl. 106—71)

1. A composition of matter comprising particles of non-fibrous actinolite and a binder.

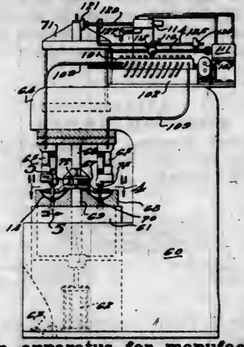
2,254,302
COUPLER SHANK AND YOKE CONNECTION
William J. Metzger, Cleveland, Ohio, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio
Application April 29, 1939, Serial No. 270,861
9 Claims. (Cl. 213—72)

1. In a draft rigging a yoke having a box structure at the forward end thereof, a member pivotally mounted within said structure for movement in a vertical plane, said member having a forwardly extending portion, a coupler pivotally connected to said forward portion for movement in a horizontal plane with respect thereto, said member being provided with a buff transmitting surface curved coaxially with respect to the axis of the pivotal connection between said yoke and member, and means within said yoke having a surface curved similarly to



said curved surface on said member and in engagement therewith for transmitting buffing stresses from said member to a cushioning device.

2,254,303
APPARATUS FOR FLUID COUPLING WELDING
Alexander Michailoff, Grosse Pointe Farms, and Frederick H. Johnson, Ferndale, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application May 11, 1939, Serial No. 273,106
2 Claims. (Cl. 219—4)

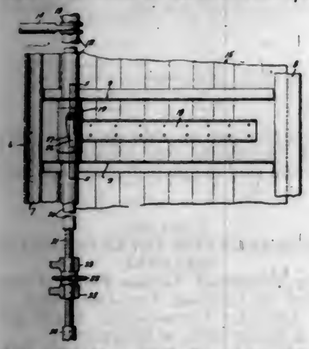


1. In an apparatus for manufacturing fluid couplings, means for welding a plurality of radially disposed vanes to the inner dished surface of a fluid circulating member comprising a fixture for holding said circulating member in welding position, a fixture for holding said vanes in position for welding to said circulating member, said last fixture having openings for accommodating passage of welding electrodes therethrough, a plurality of electrodes carried by said first fixture and adapted to contact the outer surface of said circulating member at a plurality of circumferentially spaced points, a plurality of reciprocable electrodes respectively disposed in alignment with the aforesaid electrodes and adapted for movement into contact with certain of said vanes, means for sequentially moving said reciprocable electrodes into welding contact with said vanes, said first named fixture being adapted for rotation about the axis of said member whereby said reciprocable electrodes are adapted to contact certain others of said vanes.

2,254,304
AILERON AND FLAP
William H. Miller, Lansdowne, Pa., assignor to Zap Development Corporation, Baltimore, Md., a corporation of Delaware
Application July 27, 1938, Serial No. 221,592
4 Claims. (Cl. 244—42)

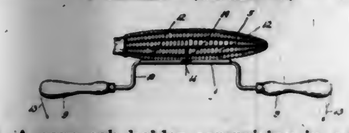
1. In an airplane, a wing, an aileron, a tube fixedly mounted in the aileron, a support project-

ing from the trailing surface of the wing and adapted to serve as a journal for said tube, a second tube slidably mounted in said first tube and provided with means projecting through the wall of said first tube, a flap provided with a tube



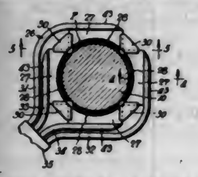
adapted to fit about said first-mentioned tube, and a curved slot in said flap tube adapted to receive the projecting means from the slidably mounted tube, and projecting means in cooperation with said slot serving to actuate the flap.

2,254,305
CORNCOB HOLDER
John A. Mooney, Regina, Saskatchewan, Canada
Application June 10, 1940, Serial No. 339,819
8 Claims. (Cl. 294—5)



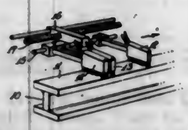
1. A corn-cob holder comprising in combination a handle, a corn-cob support projecting from said handle and outwardly projecting prongs secured to said support, said prongs being designed to penetrate the flank of a corn-cob.

2,254,306
APPARATUS FOR FLAME HARDENING
Chester Mott, Evanston, and Malcolm L. Whaley, Chicago, Ill., assignors to National Cylinder Gas Company, Chicago, Ill., a corporation of Delaware
Application March 18, 1939, Serial No. 262,640
4 Claims. (Cl. 299—141)



1. A burner comprising a plurality of segmental torch tips, arranged in annular relationship, and having respectively arcuate inner edges conjointly forming a substantially circular contour for concentric encirclement of a cylindrical body to be flame hardened, each tip having parallel closely juxtaposed gas passageways for inward projection of a substantially continuous flame sheet therefrom.

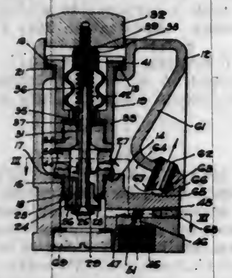
2,254,307
FLAME HARDENING
Chester Mott, Evanston, and Malcolm L. Whaley, Chicago, Ill., assignors to National Cylinder Gas Company, Chicago, Ill., a corporation of Delaware
Application March 18, 1939, Serial No. 262,641
7 Claims. (Cl. 148—21)



1. The method of flame hardening a longitudinal surface of a metal member and inhibiting permanent warping, which includes preliminarily heating said surface to a temperature below the critical temperature to initially warp the member, further heating the warped surface progressively along the length thereof to the critical temperature, and progressively chilling the heated surface.

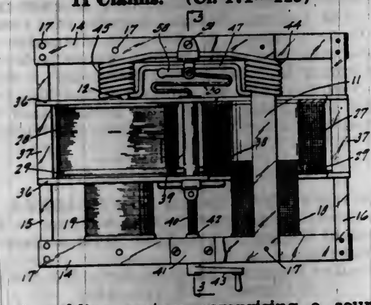
4. The method of flame hardening a longitudinal surface of a metal member and inhibiting warping tendencies, which includes progressively advancing a sheet-like preheating flame along said surface to expand the metal at said surface, progressively advancing a main sheet-like heating flame along said surface, progressively advancing a sheet-like cooling jet along said surface, said preheating flame, main flame and cooling jet being at predetermined distances apart, and the heating capacities of the flames and the rate of travel being such that the preheating flame heats successive portions of the surface to a temperature below a red heat, the main flame heats successive portions to the critical temperature, and the cool jet removes heat applied by both burners.

2,254,308
WATER VALVE
Andrew J. Nicholas, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 17, 1939, Serial No. 256,892
5 Claims. (Cl. 277—36)



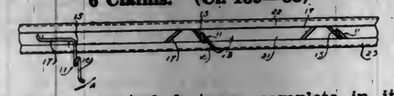
1. In a valve, the combination of a plurality of coaxial valve members seated upon one another and adapted to be independently operated, a stem on the central valve member for moving it from its seat, and means on said stem for tilting the valve member adjacent the central valve member on its seat using a portion of said seat as a fulcrum after moving the central valve member from its seat.

2,254,309
WELDING TRANSFORMER
Marian C. Perry, Stockton, Calif.
Application September 5, 1939, Serial No. 293,330
11 Claims. (Cl. 171—119)



1. A welding system comprising a source of potential; a closed-circuit magnetizable core having parallel legs; primary windings connected in parallel to said source of potential and mounted on the respective legs; secondary coils telescopically adjustable relative to said primary windings and connected in parallel; reactance coils connected in parallel and mounted on the respective legs; said secondary coils and said reactance coils having their parallel connections connected in series and provided with terminals for connection to a load.

2,254,310
SECURING MOLDINGS
Bion C. Place, Detroit, Mich., assignor of one-half to George E. Gagnier, Detroit, Mich.
Application January 27, 1938, Serial No. 187,328
6 Claims. (Cl. 189—88)



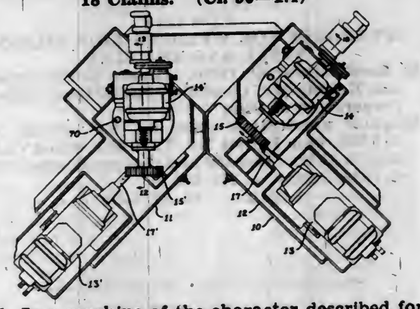
1. A spring stud fastener complete in itself constructed of a single piece of wire, consisting of a shank in the form of a coil-like loop including the mid-portion of said piece of wire, and a head of an opening V-shaped form providing substantially a right angle between said arms and including the ends of said piece of wire, one of the arms of the V having said shank depending therefrom between its ends.

2,254,311
SECURING MOLDINGS
Bion C. Place, Detroit, Mich., assignor of one-half to George E. Gagnier, Detroit, Mich.
Application March 13, 1939, Serial No. 261,605
1 Claim. (Cl. 189—88)



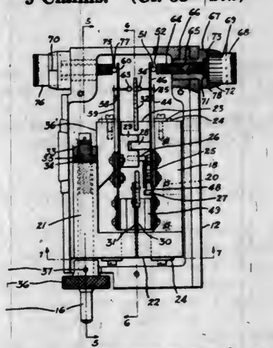
A molding ready for application to a support having apertures, comprising a molding having rounded beads along its longitudinal edges, said beads opening toward each other and having a depth less than half the width thereof, and spring stud fasteners having resilient heads constructed in ovoidal form from round wire of a diameter corresponding to the width of said beads and extending across said molding between the beads with the major axis of the ovoidal heads disposed transversely of the molding; the minor axis of the heads being of such dimension that when the head is turned with its minor axis transverse to the molding it can be readily inserted within the molding and then turned until the major axis is compressed within said beads with the under surfaces of said heads being disposed substantially in a plane passing through the bearing surfaces of said beads.

2,254,312
MACHINE TOOL
Louis F. Poock and Willis Fay Aller, Dayton, Ohio, assignors, by mesne assignments, to The Sheffield Corporation, a corporation of Ohio
Application December 29, 1937, Serial No. 182,204
Renewed October 27, 1939
18 Claims. (Cl. 90—1.4)



1. In a machine of the character described for shaping the ends of gear teeth, a support, a work carrying member mounted for rotatable and reciprocatory movement in said support and adapted to carry a toothed work piece to be worked on, a driven gear on said member and rotatable therewith, a driven shaft rotatable in said support above said member, gear means operated by said shaft and operably connected to said driven gear, cam means on said shaft above said member for axially moving said member in timed relation to its rotational movements, and means for operating said driven shaft.

2,254,313
GAUGING APPARATUS
Louis F. Poock and Willis Fay Aller, Dayton, Ohio, assignors to The Sheffield Corporation, a corporation of Ohio
Application August 10, 1939, Serial No. 289,429
9 Claims. (Cl. 33—172)



1. In a gauge, a stationary block, a support in which said block is fixed, a movable block, parallel spring blades fixed to said blocks and supporting the movable block for rectilinear move-

ment, a pair of closely spaced spring strips one fixed to each of said blocks, an arm carried by both of said strips and operable in accordance with the movements of the movable block, a work-engaging element adjustably threaded in said movable block, a stop threaded on said element and held against rotation by said movable block, spring means engaging said stop and said movable block and tending to yieldingly urge said element in one direction in said movable block, the threads between the stop and the element having the same lead as the threads between the element and the movable block to maintain a constant axial pressure on the element in its various positions of adjustment in the movable block.

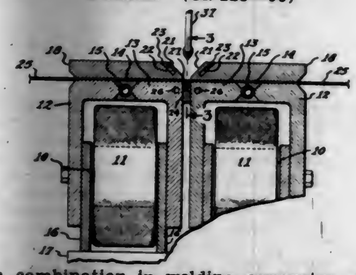
2,254,314

APPARATUS FOR WELDING THIN SILICON STEEL AND THE LIKE

Eo Reed, Zanesville, Ohio, assignor to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio

Original application June 6, 1938, Serial No. 212,039, now Patent No. 2,219,493, dated October 29, 1940. Divided and this application May 6, 1939, Serial No. 272,234

1 Claim. (Cl. 113—99)



In combination in welding apparatus, a pair of interspaced magnetic clamping means, the upper edges of which form a substantially coplanar table, clamping plates in connection with said clamping means, a filler block interposed between said magnetic clamping means and interspaced from the plane of said table, and a perforate tubing for the delivery of neutral gas lying above said filler block and between a surface of said filler block and the plane of the said table.

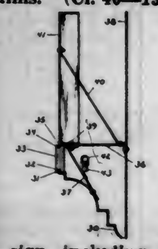
2,254,315

ELECTRIC SIGN

Leon A. Rice, Los Angeles, Calif., assignor to Electrical Products Corporation, Los Angeles, Calif.

Application February 6, 1939, Serial No. 254,777

4 Claims. (Cl. 40—130)



1. An electric sign including an elongated trough member adapted to be mounted on a background surface and having a forward tongued edge, an elongated light permeable bar member having a grooved edge associated tongue-and-groove with said trough edge and extending therefrom in front of said surface, a brace from an edge of said bar member opposite said trough edge to said trough, a silhouette character associated edgewise with the last said edge of said bar member and extending therefrom in front of said surface, and an elongated illuminant extending lengthwise along and behind said bar member in position to illuminate said surface.

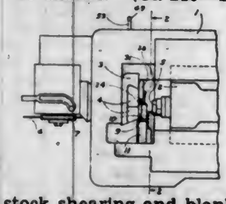
2,254,316

CUTOFF MECHANISM FOR HEADERS

Blake Dorwin Rider, Tiffin, Ohio, assignor to The National Machinery Co., Tiffin, Ohio, a corporation of Ohio

Application February 21, 1940, Serial No. 320,157

17 Claims. (Cl. 140—144)



1. In a stock shearing and blank transferring mechanism, the combination of a shearing tool, a gripping finger adapted to hold the stock against the shearing tool prior to and after shearing, means for positively and substantially unyieldingly locking said gripping finger against movement away from said shearing tool during the shearing operation, means for releasing said positive lock, and means for moving said finger away from said shearing tool after said lock has been released.

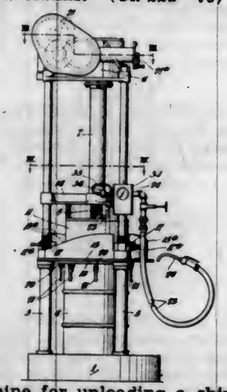
2,254,317

SHIPPING DRUM UNLOADER

Samuel S. Roberts, Pittsburgh, Pa.

Application July 18, 1939, Serial No. 285,176

2 Claims. (Cl. 221—79)



1. A machine for unloading a shipping drum containing a plastic substance, including a base having a portion for supporting the bottom of the drum when the latter is placed upright thereon, columns rising from said base outside of said portion, a superstructure supported by the tops of said columns, a rod depending from said superstructure, a piston fitting the drum and mounted by said rod so as to work in the drum when the latter is positioned upright with its bottom on said base portion, and powered means for causing said rod to force said piston downwardly, said columns mounting an annular cam supporting a stuffing box for the top of the drum, said piston being longer than the drum is deep and its side working in said stuffing box, the latter being associated with said cam so that relative rotation therebetween effects vertical movement of said stuffing box for engagement and release of the latter respecting the drum top.

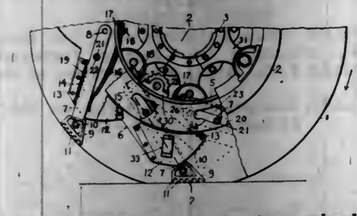
2,254,318

TRACTION DEVICE

Louis Otto E. Roessel, Chappaqua, N. Y.

Application February 4, 1939, Serial No. 254,623

12 Claims. (Cl. 301—47)



1. In an antiskidding device for a wheel of an automotive vehicle comprising arms, means to pivotally support the arms at the inner ends on the wheel tangentially to a circle concentric to the axis of the wheel, antiskidding shoes at the outer ends of the arms adapted to engage the roadway, leaf springs at the sides of the arms for urging the arms outward, and guides for the arms in the form of flat boxes supported on the wheel and adapted to limit the outward movement of the arms so as to prevent the outer portions of the shoes from extending beyond the periphery of the wheels.

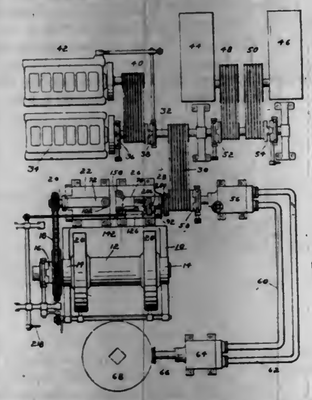
2,254,319

POWER TRANSMISSION

Edwin L. Rose, Waterbury, Conn., assignor to The Waterbury Tool Company, Waterbury, Conn., a corporation of Connecticut

Application June 17, 1936, Serial No. 85,629

7 Claims. (Cl. 254—173)



4. In a draw-works drive for a well drilling rig the combination of a prime mover, a draw-works drum, a fluid pump driven by the prime mover, a fluid motor driven by the pump and driving the draw-works drum, operator controlled means for controlling the delivery of fluid to the motor, and means responsive to movement of the motor and automatically operative upon movement of the operator controlled means to drum-stopping position for directing fluid to the motor in a manner to bring the drum to rest from a slow speed operation.

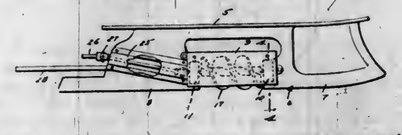
2,254,320

MOTOR-DRIVEN ICE SKATE

Oren F. Russell, Palmer, Wash.

Application March 25, 1941, Serial No. 385,161

3 Claims. (Cl. 180—6)



1. A motor driven ice skate comprising a spiral screw, means for rotatably mounting the screw on a horizontal longitudinal axis on the blade of the skate, means for vertically adjusting the screw and a motor driven drive shaft operatively connected to the screw.

2,254,321

CEMENT

Seymour G. Saunders, Bloomfield Hills, and Harry Morrison, Detroit, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

No Drawing. Application October 29, 1938, Serial No. 237,664

3 Claims. (Cl. 260—755)

1. The method of making an adhesive which is liquid and tacky in its unset state at atmospheric temperatures which comprises fusing together rubber, rosin and a pitch selected from the group of pitches consisting of asphalt and the residue from the distillation of triglyceride-containing oils at a temperature above the devulcanization and depolymerization temperature of the rubber until the resulting mass has a flowing consistency, mixing said devulcanized fused mass to a state of uniform homogeneity while at said temperature, simultaneously vulcanizing all of the constituents of said mass while they are homogeneously mixed by reacting sulphur therewith at a temperature within the vulcanizing range of rubber until said mass has a self-sustaining consistency capable of manipulation in a dough mixing machine, and dispersing said vulcanized mass in a volatile solvent.

2,254,322

PROCESS FOR OBTAINING DIESEL FUELS FROM TARS

Friedrich Schick, Berlin-Schoneberg, Germany, assignor to the firm Deutsche Erdöl-Aktiengesellschaft, Berlin-Schoneberg, Germany

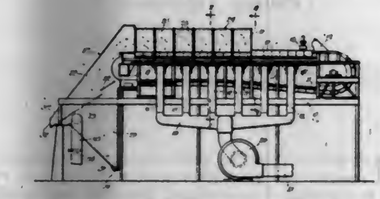
No Drawing. Application December 21, 1939, Serial No. 310,410. In Germany August 8, 1935

3 Claims. (Cl. 196—13)

1. Process for obtaining valuable Diesel fuels from paraffin containing tar from solid carbonaceous material which comprises topping said tar to remove constituents boiling below about 260 deg. C., subjecting the residue from said top-

ping to treatment with a selective solvent which forms an extract portion containing in solution tarry components of the said residue and a raffinate portion which contains paraffin, separating the extract portion and the raffinate portion produced by said treatment, filtering said raffinate phase at about 20 deg. C. to separate crude paraffin wax, and cracking the oil thus obtained.

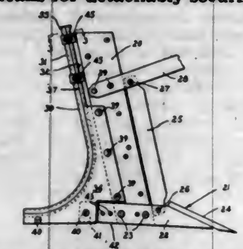
2,254,323
SINTERING MACHINE
Edward W. Shallock, Chicago, Ill., assignor to American Ore Reclamation Company, Chicago, Ill., a corporation of New York
Application July 5, 1940, Serial No. 344,000
1 Claim. (Cl. 266—21)



In a continuous sintering machine, conveyor means for supporting a traveling bed of material to be sintered and discharging the sinter at the forward end of the machine, suction-box means beneath said conveyor means for inducing down draft through the bed of material, a sinter screen inclined downward from said forward end and disposed to receive on its upper face the discharged sinter, a casing enclosing said screen extending thereabove and having an opening adjacent the lower end of and above said screen aligned therewith for discharge of sinter therefrom and entry of air into said casing, said casing comprising a sinter fines bin extending beneath said screen and normally closed to the atmosphere, said screen being effective for separating the fines and smaller pieces of sinter from the larger pieces, the fines and smaller pieces of sinter passing through said screen into said bin and the larger pieces of sinter being directed by said screen to and through said opening at the lower end of said screen, a hood opening at its forward end into the rearward end of the upper portion of said casing extending rearward from the latter over a portion of said conveyor means and a portion of said suction-box means and extending a considerable distance above said conveyor means for free flow of gases within said hood above the sinter bed, the portion of said conveyor means extending rearward from said hood being open to the atmosphere for free flow of air thereto, sealing means providing substantially air tight closures between said conveyor means and said hood at the sides of the latter, and means at the rearward end of said hood providing a substantially air tight closure therefor.

2,254,324
CABLE LAYER
Oscar W. Sjogren, Huntington Park, and George E. Gerold, Los Angeles, Calif., assignors to Killefer Manufacturing Corporation, Los Angeles, Calif., a corporation of California
Application January 10, 1940, Serial No. 313,242
12 Claims. (Cl. 111—5)

1. A cable guide for a cable laying implement having a ground working tool carrying standard, said guide comprising a tube divided longitudinally to provide a pair of separable cooperable sections, means for detachably securing said sections together, and means for securing said guide tube vertically along the rear of said standard.

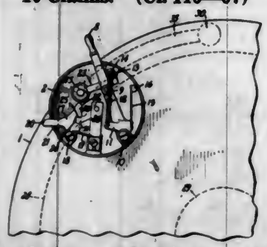


2,254,325
MOTOR VEHICLE
Frederic W. Slack and Chester C. Uts, Detroit, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application January 14, 1939, Serial No. 250,870
6 Claims. (Cl. 267—11)



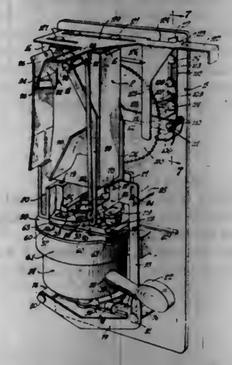
1. In a vehicle, the combination with opposite wheel varrying arms and link means independently suspending said arms for rising and falling movement toward and away from each other, of a torsion bar having a body portion extending transversely of the vehicle and end portions angled therefrom for connection with said arms respectively, and means yieldingly connecting each of said end portions with one of said arms, said end portions being reduced in one dimension thereof adjacent said body portion to accommodate springing of said end portions as said arms move toward and away from each other.

2,254,326
BELL RINGING APPARATUS
John R. Sontagh, Great Kills, Staten Island, N. Y., assignor to International Projector Corporation, New York, N. Y., a corporation of Delaware
Application August 26, 1938, Serial No. 226,890
10 Claims. (Cl. 116—67)



1. In a reel alarm, a first lever, a stop for said lever, a spring acting on said lever and tending to rotate it towards said stop, a latch to hold said lever in position retracted from said stop, a second lever supported at its end remote from its pivot by a film roll, said film roll releasing the free end of the second lever so that it can swing downwardly by gravity when the size of the roll is sufficiently decreased by film being unwound therefrom, means carried by said second lever which contacts the film to release said latch when the said second lever is released from the roll, a bell and means to sound said bell when the first lever is released and its spring rotates the said first lever against its stop.

2,254,327
COIN CONTROL
Joseph W. Sroduiski, Chicago, Ill.
Application March 25, 1938, Serial No. 198,105
6 Claims. (Cl. 194—84)



1. Coin-controlled apparatus including an oscillable control, shaft means oscillated by said control, a driven element floating on said shaft means for rotation thereon independently of oscillable movement thereof, and mechanism utilizing a coin to couple said driven element with said shaft means and control so that said driven element will be rotated in steps by oscillation of the control, said mechanism including a coupling head on said shaft means and operatively connected with said driven element for free rotation therewith, means providing a coin receptacle in said coupling head, coin engaging means freely movable by said shaft relative to said coupling head when there is no coin in said receptacle and engageable with a coin in said receptacle to urge the latter and said coupling head and effect rotation of the same and said driven element, together with means for effecting removal of a coin from said element when the coupling head has been moved as aforesaid a predetermined distance away from an initial position.

2,254,328
MATERIAL FOR AND METHOD OF HEAT TREATING
Francis J. Steigerwald, Detroit, Mich., assignor to Park Chemical Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application November 6, 1939, Serial No. 303,018
4 Claims. (Cl. 148—28)

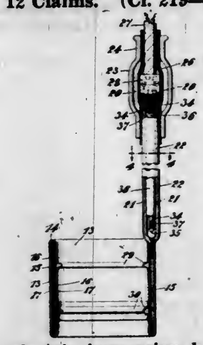
2. A neutral salt heat treating bath for treating steel at temperatures between 1300° F. and 1700° F., said bath containing a salt from a group consisting of alkaline and alkaline earth chlorides and a small quantity of silicon.

2,254,329
REPLACEABLE TREAD TIRE
Thomas J. Stephens, Lancaster, Pa.
Application June 17, 1939, Serial No. 279,624
4 Claims. (Cl. 152—188)



1. A replaceable tread tire including a tire casing having disposed across its periphery a series of substantially parallel annular grooves of uniform cross section alternating with annular ridges which are interposed respectively between adjacent grooves, said ridges having side walls respectively overhanging inner portions of respectively adjacent grooves, and a plurality of replaceable tread members engaging respectively in said grooves, said tread members extending around the casing and projecting outwardly therefrom, said tread members being provided with base portions which are enlarged at inner parts thereof to fit in the respective grooves and interlock with the respectively adjacent overhanging side walls of the casing, said tread members also having transversely extending portions seating upon the peripheries of the respectively adjacent ridges of the casing, the peripheral portions of adjacent tread members being spaced from each other to provide a plurality of spaced road engaging annular ridges having annular peripheral grooves interposed therebetween and alternating therewith.

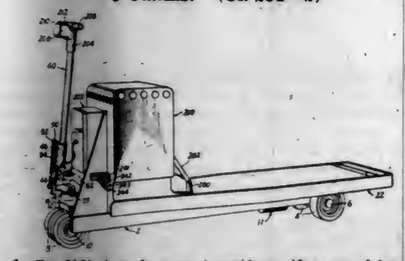
2,254,330
ELECTRIC IMMERSION HEATER
Theodor Stiebel, Berlin-Tempelhof, Germany
Application August 22, 1938, Serial No. 226,101
12 Claims. (Cl. 219—41)



1. In an electric immersion heater, a double walled cylindrical member having the space between the walls closed at both ends of the member, and an electric heating element comprising a flexible plate of electric insulating material and of a length not less than twice the circumference of the space between the walls of the cylindrical member, a resistance wire wound helically

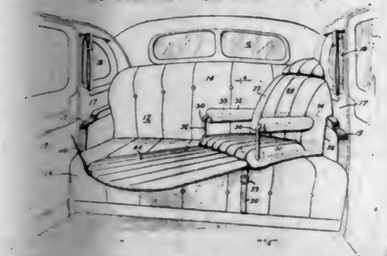
around the flexible plate with the opposite ends thereof terminating at the opposite ends of the plate, and sheets of electric insulating material on opposite sides of the flexible plate to cover the resistance wire, the electric heating element being wound several times in the space between the walls of the cylindrical member with the terminal ends of the resistance wire in opposed relation to each other on opposite sides of an interposed layer of the heating element.

2,254,331
LIFT TRUCK
William Stuebing, Jr., Cincinnati, Ohio
Application February 19, 1941, Serial No. 379,553
9 Claims. (Cl. 254—2)



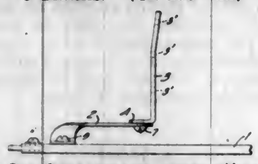
1. In lift truck construction, the combination of: a chassis having a steering handle and wheels thereon to permit moving of the lift truck; a lifting frame mounted upon said chasses to be moved upwardly to a raised position to thereby lift a load; operating means to raise said lifting frame comprising means detachably connected to said steering handle so that the load may be lifted by swinging the steering handle; driving means to move the lift truck so that when a load has been lifted it may be moved to a new location; and control means to control the operation of said driving means including a pair of push buttons mounted on the end of the steering handle so that the operator can start the truck by manipulating the push buttons and can simultaneously steer the truck.

2,254,332
MOTOR VEHICLE
Milton Tibbetts, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application June 13, 1939, Serial No. 278,937
10 Claims. (Cl. 155—131)



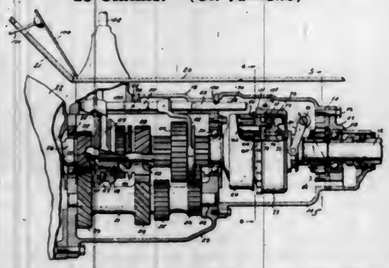
1. In a motor vehicle having a corner thereof formed by the seat cushion, the back cushion, and the side wall, the combination of a seat unit shaped to fit into said corner and rest on said seat cushion and comprising an inclined back portion, a seat portion, side arms above the seat portion, and means comprising a frame supporting the arms and back portion from the seat portion.

2,254,333
FIREPLACE SCREEN SUPPORTING FIXTURE
John B. Turner, Norwich, N. Y.
Application March 7, 1939, Serial No. 260,302
9 Claims. (Cl. 156—22)



1. In a fireplace screen supporting fixture, a rod adapted to extend horizontally across the front of a fireplace and to support a fireplace screen thereon, a generally L-shaped element adapted to be secured to an inner wall of said fireplace with a portion thereof overlying the face of said fireplace, an arm pivotally connected adjacent one end thereof to said L-shaped element and slidably connected adjacent its other end to said rod and means for securing said arm and rod against relative movement.

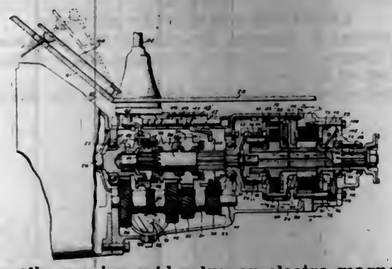
2,254,334
MOTOR VEHICLE
Jesse G. Vincent, Grosse Pointe, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application March 7, 1939, Serial No. 260,404
15 Claims. (Cl. 74—328)



1. In a power transmitting mechanism, a change speed gearing having movable means for controlling forward and reverse drive through a tail shaft, a driven shaft, planetary gearing drivingly connecting said shafts including an orbital gear sleeve telescoping the driven shaft, a casing around the planetary gearing, overrunning brake means associated with the casing and the sleeve, a clutch slidably splined on said sleeve and shiftable to lock or release the planetary gearing, lock means carried by the casing for engaging said clutch, and means operable by said change speed gearing control means for holding said lock means engaged with said clutch when said change speed gearing is driving in reverse.

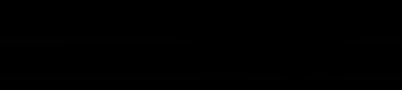
2,254,335
MOTOR VEHICLE
Jesse G. Vincent, Grosse Pointe, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application March 7, 1939, Serial No. 260,405
17 Claims. (Cl. 74—328)

1. In a power transmitting mechanism having a pair of shafts connected by planetary gearing, control mechanism for the gearing comprising a clutch and a brake, actuator means associated with said clutch and said brake to normally engage one and to disengage the other, a fluid pressure system acting on both said clutch and said brake in opposition to said actuator means, a valve for controlling fluid flow through said system to said clutch and said brake, spring means



normally opening said valve, an electro-magnetic system for closing said valve when energized, and throttle valve control mechanism operable to make or break said electro-magnetic system, said pressure system being effective only so long as the valve is held open.

2,254,336
CONTAINER MANUFACTURE
Rudolf William von Sydow and Walter E. Sooy, Middletown, Ohio, assignors to The Gardner-Richardson Company, Middletown, Ohio, a corporation of Ohio
Application December 8, 1939, Serial No. 308,126
15 Claims. (Cl. 91—45)



1. In a device for applying a surfacing material to the interior of a tubular body, a receiving member movable from a receiving to a discharge position and having a free overhanging end over which the body is received in the receiving position, means for alternately moving said receiving member from one of said positions to the other, means operable in the discharge position of said receiving member for removing the tubular body therefrom, and means carried by the receiving member for effecting the application of surfacing material to the interior surface of said tubular body as the same moves relative to said receiving member.

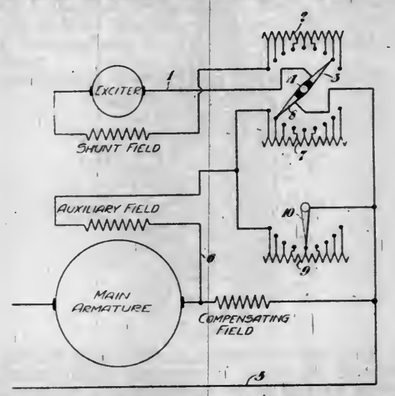
2,254,337
HALOGENATED LUBRICANT
William A. Whittier, Kenilworth, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application September 23, 1938, Serial No. 231,342
26 Claims. (Cl. 252—48)

1. A lubricant comprising mineral lubricating oil, a phosphorized fatty oil and a stable highly halogenated aliphatic hydrocarbon having a boiling point not substantially below 180° C.

2,254,338
METAL ROLLING MILL MOTOR CONTROL
Thornton A. Wood, Gary, Ind.
Application June 5, 1940, Serial No. 339,021
1 Claim. (Cl. 172—239)

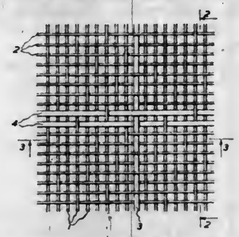
A metal rolling mill motor having a shunt field for controlling its armature speed and an auxiliary field for controlling its armature speed

droop characteristics, the motor having a compensating field with which the auxiliary field is in shunt circuit and the circuits of both the shunt and auxiliary fields including means for placing variable amounts of resistance in series with each with the amount placed in the one circuit dependent on the amount placed in the other so as to control the armature speed while



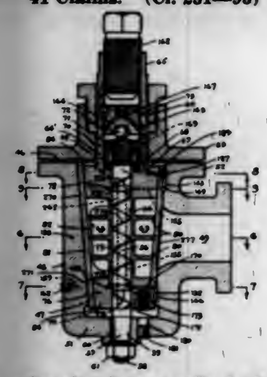
automatically controlling the armature speed droop characteristic resulting from armature speed variations, and the auxiliary field circuit also including means for placing variable amounts of resistance in parallel circuit with the resistance placed therein by the first named means so as to control the armature speed droop characteristic resulting from load variation, the two means being respectively independent.

2,254,339
FABRIC
Joseph Rowland Wylde and Harold Arthur Swift, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application October 22, 1938, Serial No. 236,394
In Great Britain March 15, 1938
1 Claim. (Cl. 139—421)



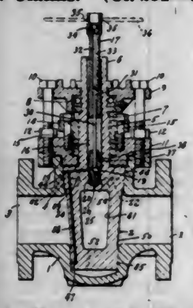
An elastic fabric comprising inelastic warp threads and inelastic weft threads woven together in a satin weave in which a small proportion only of the warp threads pass behind any given weft thread, additional weft threads having an elastic character being woven in at intervals along the length of the fabric with a weave similar to the weave of the inelastic weft threads and having a thickness greater than the thickness of the fabric at points between the intervals at which said elastic weft threads are woven, and elastic warp threads additional to said inelastic warp threads being woven in a one and one weave with relation to all of the weft threads.

2,254,340
VALVE
Wladimir M. Zaikowsky, Los Angeles, Calif., assignor of twenty-five per cent to Samuel S. Mackeown, Pasadena, Calif.
Application March 30, 1936, Serial No. 71,664
41 Claims. (Cl. 251—93)



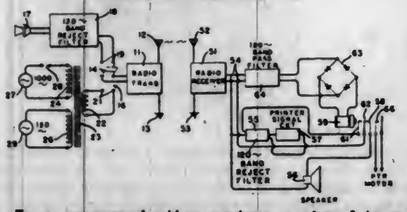
1. In a valve structure, a valve body having an inlet and an outlet, a rotatable closure member therein having ports corresponding to the inlet and outlet for optionally opening and closing the valve by appropriate rotation of the said member, said body and said member having, at their contiguous surfaces, a plurality of spaces divisible into two groups symmetric to and respectively adjacent to and in opposition to the body outlet, for the accommodation of a pressure transmitting medium isolated from the fluid controlled by the valve, and means for passing said medium into said spaces, and for controlling the relative pressures of the medium in the respective spaces, whereby the resultant transverse force of the fluid controlled by the valve upon said member is substantially neutralized by the transverse force exerted by said medium.

2,254,341
LUBRICATING METHOD AND APPARATUS THEREFOR
Wladimir M. Zaikowsky, Pasadena, Calif., assignor of twenty-five per cent to Samuel S. MacKeown, Pasadena, Calif.
Application September 22, 1937, Serial No. 165,112
27 Claims. (Cl. 251—93)



1. In combination, a pair of relatively movable members having cooperating bearing surfaces to be lubricated at a rest position, means movable to force lubricant between said bearing surfaces and means coupled to said lubricant-forcing means for movement therewith for distributing said lubricant to a plurality of different spaced apart points thereon, while said members are at rest.

2,254,342
RECEIVER SELECTION SYSTEM
Raymond E. Zenner, Brookfield, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application November 2, 1939, Serial No. 302,549
25 Claims. (Cl. 179—4)



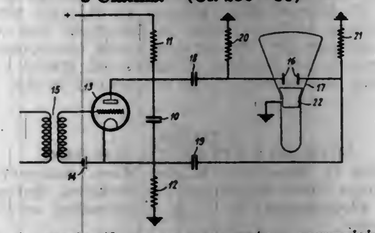
1. In a communication system, a signal transmission channel, means for generating speech signals and for applying said signals to said channel, means for generating an oscillatory signaling current at a frequency within the speech frequency range and for applying said oscillatory current to said same channel, means for reproducing speech, signal receiving means responsive to said oscillatory signaling current, means for routing said speech signals and said oscillatory signaling current from said channel to said speech reproducing means and said oscillatory current signal receiving means respectively, and means interposed between said speech signal generating means and said channel for suppressing from the speech signals oscillations at the frequency of said oscillatory signaling current whereby to render the receiving means for said oscillatory signaling current unresponsive to speech signals.

2,254,343
WINDSHIELD CLEANER
Wallace E. Zierer, Highland Park, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application December 5, 1938, Serial No. 243,953
6 Claims. (Cl. 15—255)



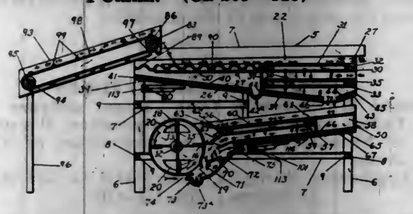
1. A windshield cleaner for cleaning the curved surface of a windshield comprising an oscillatable driven shaft, a wiper element supporting arm operably connected to said shaft, a wiper element supported at one end of said arm, and cam operated means operably associated with said arm and said element for modifying the curvature of said element as it is oscillated over said surface.

2,254,344
SAWTOOTH WAVE GENERATOR
Robert Andrieu, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application February 10, 1937, Serial No. 124,977
In Germany February 13, 1936
5 Claims. (Cl. 250—36)



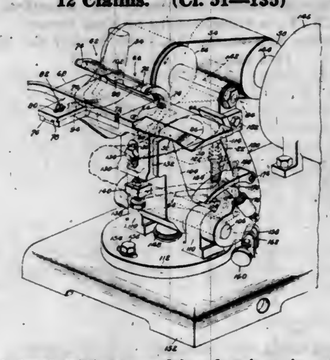
1. A sawtooth wave generator comprising a condenser, a pair of resistances of substantially the same value connected in series with said condenser, one of said resistances being joined to one terminal of said condenser and the other of said resistances being joined to the other terminal of said condenser, a source of electrical energy electrically connected to said resistors, one pole of said source being electrically connected to one of said resistors, and the other pole thereof being connected to the other of said resistors, said resistors, said condenser, and said source being included in a closed series circuit, and a discharge path connected in parallel to said condenser.

2,254,345
SEED AND GRAIN SEPARATOR AND CLEANER
Vincent H. Ballmann, St. Louis, Mo.
Application August 16, 1939, Serial No. 290,349
1 Claim. (Cl. 209—318)



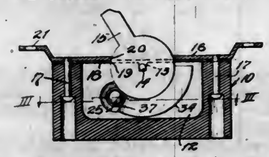
In a machine of the kind described, a supporting frame having front and rear portions, upper and lower shaker beds oscillatably mounted in the frame in vertically spaced relation, one or more screens mounted in the upper bed and inclined downwardly and rearwardly, frontal and rear imperforate aprons mounted in the upper bed below said screening, the aprons being inclined downwardly toward one another at their inner adjacent ends and these ends being spaced to provide an opening therebetween, a screen mounted in the lower bed below the openings of the aprons above, and inclined downwardly and forwardly, a laterally inclined trough with spout at the forward end of the screen for receiving roughage therefrom and discharging same, an imperforate apron mounted in the lower bed below the screen thereof and inclined downwardly and forwardly a base apron below the last mentioned apron, and spaced therefrom to provide an air opening over its rear end, the base apron being inclined downwardly and forwardly, a laterally inclined seed trough with spout in the lower, forward part of the base apron, a fan mounted over the lower, forward part of the base apron, shaker mechanism for oscillating the shaker beds, and means for operating the shaker mechanism and the fan.

2,254,346
HEEL-FITTING MACHINE
Lewis J. Bazzoni, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application May 6, 1939, Serial No. 272,189
12 Claims. (Cl. 51—135)



2. A heel-fitting machine having, in combination, an abrading tool and a carrier for a Louis heel mounted for relative movement to remove material from the forwardly projecting lip of the heel, a plate secured to the carrier and constructed and arranged to be engaged by a heel-breast receiving shoulder formed upon an attached sole of a shoe to which the heel is to be secured, and a stop cooperating with the plate to measure the distance between the heel-breast receiving shoulder and the rear end of the shoe and to limit the amount of relative movement of the carrier and the tool.

2,254,347
ELECTRIC SWITCH
George R. Blakesley, West Los Angeles, Calif.
Application April 27, 1938, Serial No. 204,503
1 Claim. (Cl. 200—165)



A quiet-operating switch comprising an elongated and hollow casing open at its top and including a pair of spaced opposed longitudinally extending walls each provided with a recess in its upper face, an elongated actuating member of insulating material having pin means thereon entered in the recesses to support the member for rotation on the side walls, removable means on said side walls and overlying the pins to limit vertical movement of the pins, said actuating member having a finger-engageable lever portion above said pins and having an arcuate lower portion within the casing, spring-impelled contact elements on each of said walls and within the casing and providing a pair of opposed contact faces for circuit-closing engagement, said arcu-

ate portion being arranged swingable in one direction to provide surfaces movable forwardly and upwardly between said contact faces to separate them and to then be frictionally held by them while the contacts are in circuit-opening position, and being arranged swingable in the opposite direction from the contact-separating position to permit the contact faces to engage.

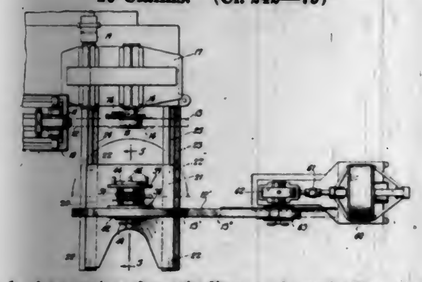
2,254,348

APPARATUS FOR HANDLING METAL STRIP FROM ROLLING MILLS

Richard G. Bennewitz, Jersey City, N. J., assignor to Crucible Steel Company of America, New York, N. Y., a corporation of New Jersey

Application September 24, 1940, Serial No. 358,114

10 Claims. (Cl. 242—79)



1. Apparatus for winding and rewinding strip metal from a rolling mill, including means associated with the mill for rotatably mounting an axially removable winding block, a carriage structure including parts for rotatably mounting two winding blocks axially slidable in opposite directions into position thereon, said parts and the blocks thereon being collectively rotatable into reversed positions about an axis whereby either block on the carriage may face said first named block mounting means, means mounting said carriage for movement toward and away from the mill, whereby a block carrying a coil of the rolled strip from the mill may be slid onto the carriage, and with the carriage parts thereafter reversed another block may be applied to the mill from the carriage, and means associated with said carriage for rewinding the strip of such coil from its block on the carriage, into another and more loosely wound coil.

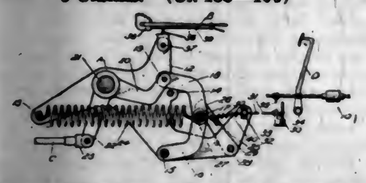
2,254,349

BRAKE

Denis Tabor Brock and Geoffrey Robert Greenbergh Gates, London, England, assignors to Automotive Products Company Limited, London, England

Original application August 28, 1937, Serial No. 161,518. Divided and this application September 14, 1939, Serial No. 294,896. In Great Britain August 28, 1936

5 Claims. (Cl. 188—106)



1. In a mechanism of the class described the combination of a service brake, a control member for said service brake, an emergency brake, a control member for said emergency brake, means connecting the control member for the emergency brake to the said emergency brake, a toggle linkage, the two outer ends of which are operatively connected on the one hand with the control member for the emergency brake and on the other hand with the emergency brake, a catch member acting on the toggle linkage adjacent its intermediate pivotal point, and which is adapted to be released in the event the control member for the service brake overcomes a predetermined position of operating travel, thus causing application of the emergency brake.

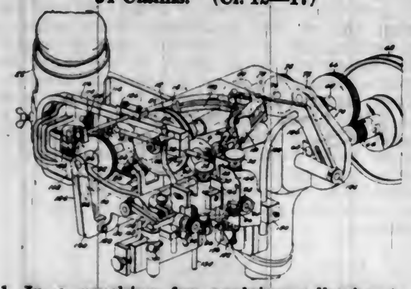
2,254,350

ADHESIVE APPLYING MACHINE

Charles G. Brostrom, Salem, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application March 25, 1940, Serial No. 325,675

34 Claims. (Cl. 12—17)



1. In a machine for applying adhesive to a leather channeled sole having a flap at one side of the channel, means for applying adhesive in said channel, and means applied directly to the outer surface of the flap to cause it to curl away from the other side of the channel.

2,254,351

METHOD OF MAKING SHOES

Rouel R. Campbell, Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application March 27, 1940, Serial No. 326,225

10 Claims. (Cl. 12—146)



1. In shoemaking, that improvement in methods of marking which comprises the steps of attaching to the two parts of a pair of parts a strip bearing two like sets of identifying indicia, and severing said strip between said sets of indicia.

2,254,352

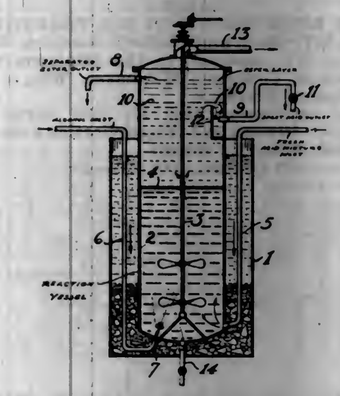
PROCESS FOR THE MANUFACTURE OF ALKYL NITRATES

Gould H. Cloud, Elizabeth, and William J. Sparks, Cranford, N. J., assignors to Standard Oil Development Company

Application December 8, 1937, Serial No. 178,690

13 Claims. (Cl. 260—467)

1. A process of preparing a secondary aliphatic nitrate which comprises reacting a mixture of nitric and sulfuric acids with a compound selected from the group consisting of secondary aliphatic alcohols and olefins of the type



RCH=CHR', wherein R is an aliphatic radical and R' is a member selected from the group consisting of hydrogen and an aliphatic radical, at a temperature not substantially above —10° C.

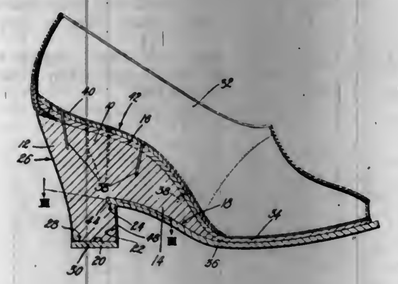
2,254,353

SHOE AND SHOE HEEL

Anthony Cocozella, Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application May 7, 1940, Serial No. 333,793

8 Claims. (Cl. 36—2.5)



1. A shoe having a rear part provided with a tread face and a wedge heel and a short outsole, the wedge heel having a shank part the lower portion of which is cut away to provide a rearwardly and upwardly sloping outsole attaching surface, and said heel having also a low breast face extending downwardly from the rear of said attaching surface, said breast face having a slot formed with an upper side in line with said attaching surface and said short outsole being secured to the forepart of the shoe bottom and to said attaching face of the heel and extending into said slot.

2,254,354

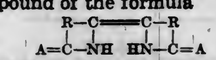
ORGANIC COMPOUND

John Stanley Herbert Davies, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application July 26, 1939, Serial No. 286,584. In Great Britain August 2, 1938

11 Claims. (Cl. 260—310)

1. A compound of the formula



wherein R and R are aromatic radicals having not more than 10 carbon atoms in their cyclic configuration, the C, C atoms of the rings



above shown being attached to said aromatic radicals in adjacent positions, while A, A represent the radicals of compounds which contain at least one closed ring in their structure and which include one of the tautomeric groupings —CH_2CO— and —CH=C(OH)— in the said closed ring.

2,254,355

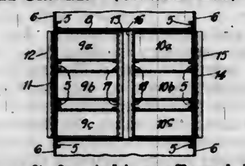
AQUATIC AIRCRAFT

Claude Dornier, Friedrichshafen-on-the-Bodensee, Germany, assignor of one-half to Dornier-Werke G. m. b. H., Friedrichshafen-on-the-Bodensee, Germany

Application November 4, 1938, Serial No. 238,750

In Germany November 24, 1937

11 Claims. (Cl. 244—105)



1. An aircraft for taking off and landing on water having a body adapted to float on the water, said body having a plurality of frame members, a retractable float connected with said body for increasing stability of said aircraft on the water, said float having a longitudinal portion extending over a plurality of said frame members and having spaced transverse portions extending from said longitudinal portion and between said frame members when said float is in protracted position.

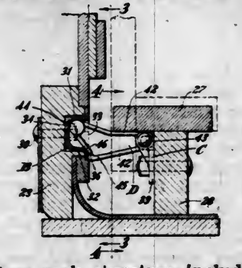
2,254,356

HINGE MEANS

William M. Dwyer, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware

Application October 19, 1939, Serial No. 300,218

15 Claims. (Cl. 16—163)



1. In a floor rack structure including a sep-

arate rack section for a refrigerator car having a side wall, the combination with a socketed keeper secured to said side wall; of a hinge arm pivoted at one end to said rack section, said arm having a laterally projecting lug at the other end detachably engageable with said keeper; and a shoulder on said arm having shouldered engagement with said keeper to hold the arm against downward swinging movement about said lug.

2,254,357
POWER CONTROLLING MEANS FOR LOCOMOTIVES

Warren R. Elsey, Merion, Pa., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa., a corporation of Pennsylvania

Application June 19, 1940, Serial No. 341,241
1 Claim. (Cl. 105—48)

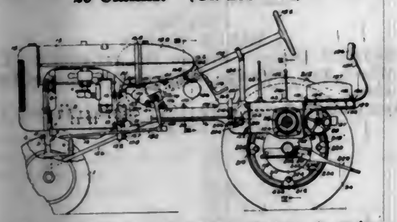


In steam locomotives including forward and rear pairs of right and left-hand cylinders, each pair independently operating a separate group of coupled driving wheels; and an independent reversing mechanism associated with each group of coupled driving wheels, the combination of a throttle unit embodying a main and an auxiliary flow communicating section with a left valve in each section for respectively controlling steam distribution to the forward and rear pairs of cylinders, and means whereby flow of steam through the auxiliary section is independently adjustable down to just sufficient for overcoming mechanical friction of said rear pairs of cylinders and the associated group of coupled driving wheels and lubricating the rear pair of cylinders, with resultant supply of proportionately increased power to the forward cylinder and associated group of driving wheels.

2,254,358
TRACTOR

Conrad E. Frudden and Walter F. Strehlow, Wauwatosa, Wis., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Application May 17, 1939, Serial No. 274,164
29 Claims. (Cl. 180—54)

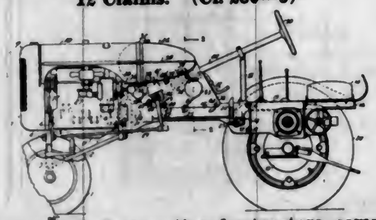


1. In a tractor, a transmission housing, a transmission shaft journaled in said housing in angularly fixed relation thereto, a universal joint having a first element secured to said transmission shaft and a second element connected with said first element for rotation therewith about the axis of said transmission shaft and for substantial movement angularly thereof, a propeller shaft secured to said second joint element, a tubular member surrounding said propeller shaft, and disconnectable fastening means rigidly securing said tubular member to said transmission housing, said tubular member and propeller shaft being telescopically separable from each other upon disconnection of said fastening means.

2,254,359
FUEL TANK MOUNTING FOR TRACTORS

Conrad E. Frudden and Walter F. Strehlow, Wauwatosa, Wis., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Original application May 17, 1939, Serial No. 274,164. Divided and this application February 21, 1940, Serial No. 320,105
12 Claims. (Cl. 280—5)

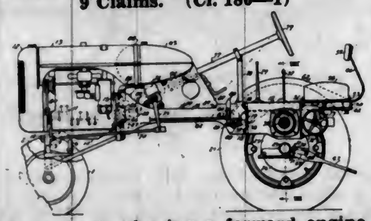


1. A fuel tank mounting for tractors, comprising a pair of relatively opposed plate members extending parallel to a vertical plane longitudinally of the tractor, spacing means between said plate members, a bracket having a portion extending transversely of said plate members at opposite sides thereof, the width of said bracket portion transversely of the tractor being greater than the transverse spacing of said plate members; and a fuel tank having a forward portion supported on said bracket portion and a rearwardly tapering portion of gradually diminishing horizontal width supportingly connected with said spacing means rearwardly of said bracket.

2,254,360
TRACTOR REAR ASSEMBLY

Conrad E. Frudden and Walter F. Strehlow, Wauwatosa, Wis., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Original application May 17, 1939, Serial No. 274,164. Divided and this application February 21, 1940, Serial No. 320,106
9 Claims. (Cl. 180—1)

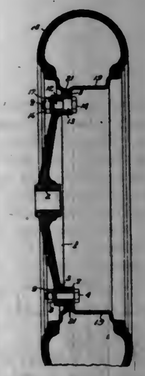


1. In a tractor having a forward engine unit and a hollow body structure including a relatively long and narrow tubular member extending longitudinally in rear of said engine unit, the combination of a housing forming part of said hollow body structure in rear of said tubular member and having forward and rearward portions for enclosing change speed and differential gear mechanisms, respectively, of said tractor, rear wheel supporting arms extending laterally in opposite directions from said rearward portion of said housing, rear wheels mounted, respectively, on said supporting arms, an operator's seat in the space between the planes of said rear wheels having a seating surface in rear of and above said tubular member, and a transverse bar mounted on said hollow body structure and extending laterally therefrom in advance of said differential gear housing below the level of said seating surface and at such spacing from said seat that an operator occupying a sitting position on said seat may rest his feet on said transverse bar.

2,254,361
VEHICLE WHEEL

Conrad E. Frudden, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Original application May 17, 1939, Serial No. 274,164. Divided and this application September 7, 1940, Serial No. 355,736
2 Claims. (Cl. 301—18)



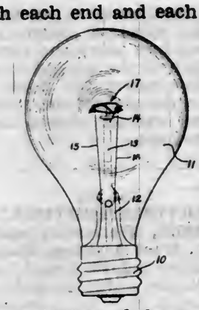
1. In a vehicle wheel, a wheel body, a rim, and connecting means between said wheel body and rim permitting adjustment of said rim from one position, axially of said wheel body, to another; said connecting means including a clamping lug having a circumferential portion engageable with said rim, and a radial portion overlappingly engageable with said wheel body optionally at one side or the other of the latter, and a bolt and nut for securing said radial portion of said clamping lug to said wheel body at either side of the latter, said bolt having a shank portion insertable into a transverse bore of said wheel body from either side of the latter and a radial cam portion, in eccentric relation to said shank portion, engageable with a transverse bore of said clamping lug, whereby said bolt, having said cam portion thereof engaged by said clamping lug and having said shank portion thereof extending through said transverse bore of said wheel body, may be rotated to move said clamping lug towards and away from said rim.

2,254,362
LAMP ELEMENT AND METHOD OF MAKING SAME

Chester H. Fulp, Chicago, Ill.

Application December 21, 1939. Serial No. 310,319
13 Claims. (Cl. 176—40)

1. In an incandescent lamp element, a pair of spaced lead-in wires each having an integral end portion shaped to provide a pair of bendable clamping parts, and an integral triple segmented filament with each end and each point between



adjacent segments thereof clamped in a different one of said parts.

2,254,363
SUCTION NOZZLE

Axel Albert Forsberg, Stockholm, Sweden, assignor to Electrolux Corporation, New York, N. Y., a corporation of Delaware

Application March 11, 1939, Serial No. 261,273
In Sweden March 12, 1938
4 Claims. (Cl. 15—156)

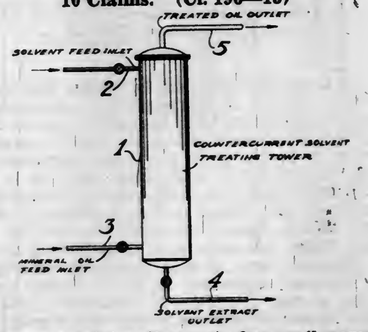


1. A duplex suction nozzle including a body part flared outwardly at one end and having an elongated opening, a tubular part formed integrally with said body communicating with the interior of the body and adapted to receive means for connecting the nozzle to a source of suction, a sleeve of arched shape slidable over the elongated opening with edges received in grooves of said body and having a suction opening extending substantially throughout its length for cleaning upholstered furniture and the like, and a nozzle mouth detachably secured to said body whereby the nozzle is converted into a rug cleaning device.

2,254,364
SELECTIVE EXTRACTION OF HYDROCARBON OILS

Peter J. Gaylor, Staten Island, N. Y., assignor to Standard Oil Development Company, a corporation of Delaware

Application June 9, 1938, Serial No. 212,623
10 Claims. (Cl. 196—13)



1. Process of treating petroleum oil compris-

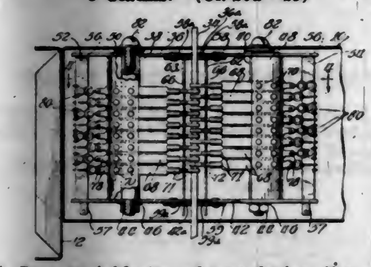
ing intimately contacting a petroleum oil with a normally solid aromatic ester of a phthalic acid at a temperature below the complete miscibility temperature of the oil and the solvent but at a temperature above the point where said solvent solidifies, separating the respective raffinate and solvent extract phases and removing the solvent therefrom.

2,254,365
CONVERTIBLE TOOTHBRUSH
Edward E. Griffith, Worcester, and Elliott M. Story, West Boylston, Mass.
Application June 6, 1939, Serial No. 277,594
7 Claims. (Cl. 15—172)



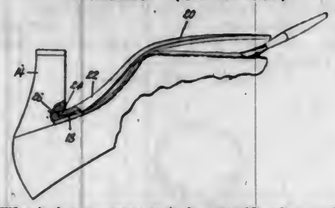
1. In a toothbrush, a handle section, a member secured to the section and having a resilient normally curved end projecting from the section, a series of separate bristle carrying units each with a bore to receive the said curved end of the member, and a flexible binder secured to the handle and to each of the units to connect the latter to the handle section, said bristle units and binder forming a bristle section and the binder capable of bending on itself in a plane substantially parallel to the bristles to make said bristle section either concave, flat, or convex with respect to the bristles, relative turning of the sections causing the curved end of the member to turn in the units, the binder preventing lateral bending of the bristle section relatively to the handle section and causing the curved member to straighten as it turns in the units, continued turning of said curved member after becoming straight permitting the curved member again to assume its normally curved form to give the bristle section a different shape.

2,254,366
VARIABLE IMPEDANCE
Laurens Hammond, Chicago, Ill.
Application July 18, 1936, Serial No. 91,284
5 Claims. (Cl. 201—48)



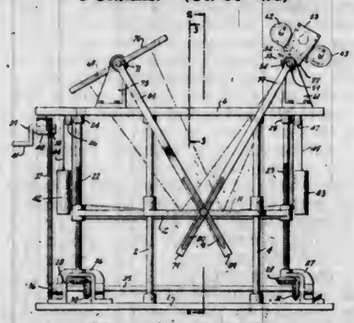
1. In a variable impedance device, the combination of a pair of frame plates, a plurality of switch finger supports of insulating material extending between said plates and held in position thereby, a plurality of bus bars extending between said plates in a direction parallel to said switch finger supports, said bus bars being insulated from said frame plates, a plurality of resilient switch fingers secured to each of said switch finger supports and each having a contact engaging one of said bus bars, an impedance element connected to each of said switch fingers, a cam member of insulating material guided in said frame plates for reciprocation in a direction parallel to said bus bars and perpendicular to said switch fingers, said switch fingers having portions lying in the path of movement of the cam surfaces of said cam member, and means for reciprocating said cam member, thereby to cause engagement of the cam surfaces thereof with said switch fingers successively to raise the latter from contact with said bus bars.

2,254,367
SHOEMAKING
John F. Hardy, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application November 3, 1939, Serial No. 302,740
4 Claims. (Cl. 12—142)



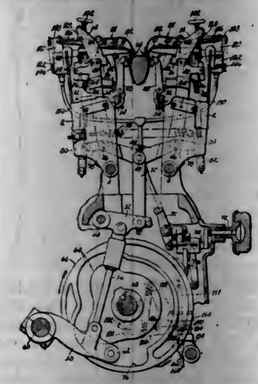
1. That improvement in methods of bottoming a shoe which comprises attaching to the shoe a heel having in the breast thereof a lateral slot which terminates inwardly of the sides of the heel, inserting the fitted heel end of a previously cemented short sole into the heel slot with the end of said sole abutting the base of the slot to completely fill said slot and position the sole longitudinally and laterally at the heel end, locating said sole laterally at its forepart, and applying sole attaching pressure.

2,254,368
MICROFILM VIEWER
John Knight Holbrook, New York, N. Y., assignor to Holbrook Microfilms, Inc., New York, N. Y., a corporation of New York
Application February 24, 1939, Serial No. 258,235
8 Claims. (Cl. 88—24)



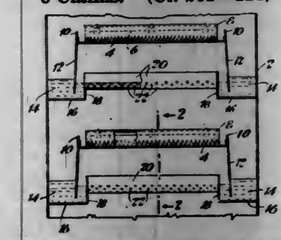
1. A micro-film viewer including in combination a frame, bearings mounted in fixed position near one end of said frame, a projector pivotally mounted in said bearings, other bearings mounted in fixed position near the opposite end of said frame, a screen pivotally mounted in said last-named bearings, a mirror, a carrier on which the mirror is mounted located centrally of said frame and below the projector and screen, said carrier being mounted for rectilinear movement, means for imparting rectilinear movement to the mirror carrier, and means connected between said carrier and the projector and screen for angularly moving the projector and screen when the carrier is moved rectilinearly to compensate for changes in the angles of incidence and reflection at the mirror.

2,254,369
MACHINE FOR SHAPING UPPERS OVER LASTS
Bernhardt Jorgensen, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application May 7, 1940, Serial No. 333,792
30 Claims. (Cl. 12—12)



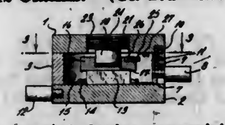
1. In a machine for shaping uppers over lasts, the combination with lasting mechanism having means for laying the margin of an upper inwardly over an insole on a last, and means for imparting to said lasting mechanism positioning movement toward each last and shoe prior to its operation on the upper, of a holddown carried by said mechanism for engaging the marginal portion of the insole and pressing it against the bottom of the last before the margin of the upper is laid inwardly over it, and automatic means for imparting to said holddown in addition to positioning movement received from said lasting mechanism a further movement relatively to said mechanism in substantially the same direction as the positioning movement of said mechanism to position it in proper relation to the margin of the insole.

2,254,370
FRACTIONATING TOWER
William Kaplan, Malverne, N. Y., assignor to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania
Application July 29, 1938, Serial No. 221,905
8 Claims. (Cl. 261—114)



1. In a fractionating column, a series of bubbler trays disposed therein and over which a liquid flows, means for maintaining a flow of liquid over the trays and means associated with the trays comprising a plurality of perforated troughs mounted under each tray and adapted to receive liquid therefrom, said troughs extending over the bubbler elements of the next lower tray whereby reflux is sprayed directly into the vapors rising from the next lower bubbler tray.

2,254,371
PIEZO-CRYSTAL DEVICE
Mark Klein, Flushing, N. Y., assignor to Premier Crystal Laboratories, Inc., New York, N. Y., a corporation of New York
Application July 18, 1940, Serial No. 346,101
12 Claims. (Cl. 171—327)

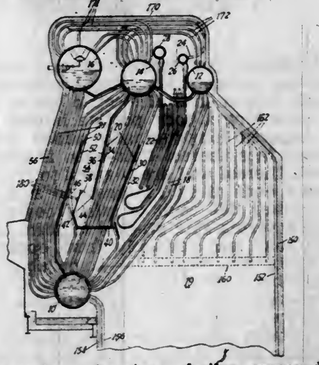


1. A piezo crystal device comprising a pair of electrodes between which a crystal is positioned, one of said electrodes being movable with respect to the other, and means to limit the movement of said one electrode with relation to the crystal while allowing it to adapt itself to the surface of said crystal.

2,254,372
AZO DYE WOOD STAIN
Donovan E. Kvalnes, Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 22, 1940, Serial No. 341,963
4 Claims. (Cl. 8—3)

1. The method of staining wood which comprises impregnating it with a composition comprising an organic solvent and an azo dyestuff soluble in the solvent having a sulfonic group in the form of its free acid.

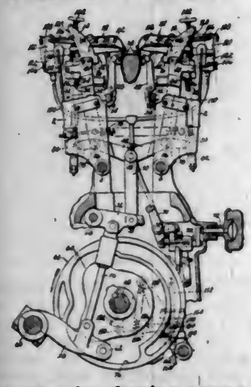
2,254,373
WATER TUBE STEAM BOILER
Ivar L. Langvand, Barberton, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application June 15, 1938, Serial No. 213,753
4 Claims. (Cl. 122—480)



1. In a water tube steam boiler, upper drums, a lower drum, spaced banks of tubes connecting

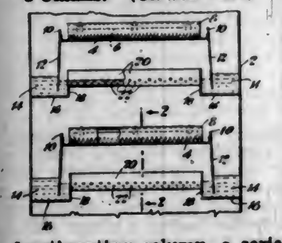
and screen for angularly moving the projector and screen when the carrier is moved rectilinearly to compensate for changes in the angles of incidence and reflection at the mirror.

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Bernhardt Jorgensen, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
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30 Claims. (Cl. 12—12)



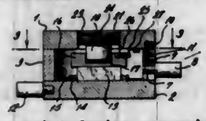
1. In a machine for shaping uppers over lasts, the combination with lasting mechanism having means for laying the margin of an upper inwardly over an insole on a last, and means for imparting to said lasting mechanism positioning movement toward each last and shoe prior to its operation on the upper, of a holddown carried by said mechanism for engaging the marginal portion of the insole and pressing it against the bottom of the last before the margin of the upper is laid inwardly over it, and automatic means for imparting to said holddown in addition to positioning movement received from said lasting mechanism a further movement relatively to said mechanism in substantially the same direction as the positioning movement of said mechanism to position it in proper relation to the margin of the insole.

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8 Claims. (Cl. 261—114)



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Application July 18, 1940, Serial No. 346,101
12 Claims. (Cl. 171—327)

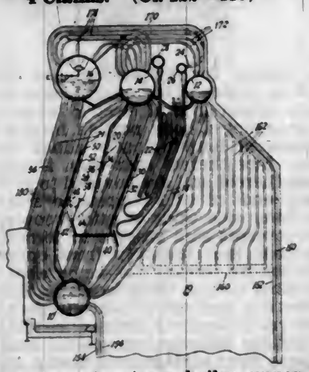


1. A piezo crystal device comprising a pair of electrodes between which a crystal is positioned, one of said electrodes being movable with respect to the other, and means to limit the movement of said one electrode with relation to the crystal while allowing it to adapt itself to the surface of said crystal.

2,254,372
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No Drawing. Application June 22, 1940, Serial No. 341,963
4 Claims. (Cl. 8—3)

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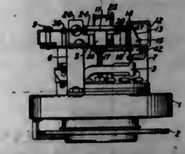
2,254,373
WATER TUBE STEAM BOILER
Ivar L. Langvand, Barberton, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
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4 Claims. (Cl. 122—480)



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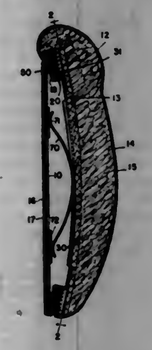
said plurality of devices, said plurality of devices constituting a potentiometer providing potential for said screen grid.

2,254,378
TELEPHONE SYSTEM
Rudolph F. Mallina, Hastings on Hudson, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 2, 1940, Serial No. 316,867
8 Claims. (Cl. 179—90)



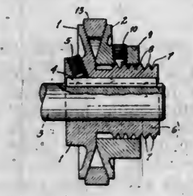
2. In a calling device, a dial, means responsive to the actuation of the dial for producing different series of impulses, a coil, a circuit therefor, a vibratory reed in said coil, a lever mechanism for tensioning said reed operative in response to the movement of the dial from normal and for tripping said reed to vibrate at its natural frequency on the return of said dial to normal to cause oscillations corresponding to said natural frequency to be produced in said circuit.

2,254,379
SPRING CONSTRUCTION
Rutherford Y. Millar, Oakland, Calif., assignor to National Automotive Fibres, Inc., Detroit, Mich., a corporation of Delaware
Application September 25, 1939, Serial No. 296,475
8 Claims. (Cl. 155—179)



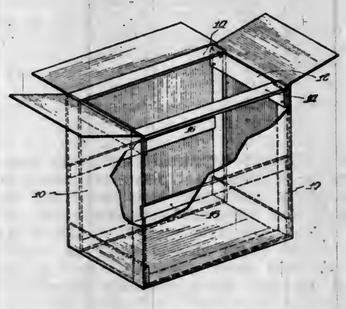
4. A spring construction comprising a generally flat metal frame having its opposite edges bent to form opposed inwardly opening channels, a plurality of cups in said channels, coil compression springs in said cups, said cups having substantially closed inner ends provided with elongated openings, a plurality of substantially parallel outwardly bowed leaf springs extending across said frame, the ends of said springs extending through said openings into said cups, and into engagement with said coil springs, the ends of said leaf springs having abutments thereon engaging the closed inner ends of said cups to limit inward movement of said ends, a second leaf spring associated with each of said first leaf springs, said leaf springs engaging centrally of each other, said second leaf springs being bowed similarly to the bowing of said first leaf springs but on a shorter radius, the ends of said second leaf springs being slidably engaged on said frame, and tie wires connecting each end of said first leaf springs with the opposite end of each adjacent one of said first leaf springs.

2,254,380
VARIABLE-PITCH PULLEY
Orville Mitchell, Dallas, Tex.
Application May 8, 1940, Serial No. 333,904
7 Claims. (Cl. 74—230.17)



1. A variable-pitch pulley comprising a pulley section having an extended, externally screw-threaded hub, the peripheral edges of the threads being flat, a second pulley section having an extended hub provided with a bore receiving and snugly engaging the flat threads on the extended hub of the first-named pulley section, and means, retractable at will, carried by the hub of the second pulley section and having threaded engagement with the screw-threads on the extended hub of the first-named pulley section.

2,254,381
REINFORCED BOX
Fred R. Mueller, Chicago, Ill., assignor, by mesne assignments, to John C. Stunkel, Chicago, Ill.
Application April 28, 1937, Serial No. 139,488
4 Claims. (Cl. 229—6)



1. A reinforced box comprising a box body; frames loosely fitting against the inner sides of opposite walls of said body, each frame consisting of two vertical side bars connected at top and bottom by cross bars on their inner sides, said cross bars being notched at their top and bottom corner edges to form pockets; and cross slats loosely fitting in said pockets, said pockets and slats being so formed and arranged as to hold said frame separated and loosely against the walls of the body without other attachment between them.

2,254,382

POLYMERIZABLE MONO-ESTERS OF MALEIC ACID AND POLYMERS DERIVED THEREFROM

Harry T. Neher, Bristol, Pa., assignor to Röhm & Haas Company, Philadelphia, Pa.

No Drawing. Application October 3, 1938, Serial No. 233,023
8 Claims. (Cl. 260—78)

1. As a new composition of matter an ester having the general formula—

$$HOOC-CH=CH-COO-CH_2-\underset{R}{C}=CH_2$$

in which R is a lower alkyl group containing not more than four carbon atoms.

5. A joint polymer of an ester having the general formula—

$$HOOC-CH=CH-COO-CH_2-\underset{R}{C}=CH_2$$

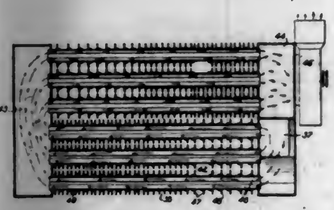
in which R is a lower alkyl group containing not more than four carbon atoms and at least one other polymerizable material selected from the group consisting of other mono esters having the foregoing formula, vinyl esters, vinyl ethers, styrene and the esters, chlorides, nitriles, amides, and anhydrides of acrylic and methacrylic acids.

2,254,383

HEAT EXCHANGER

Richard H. Nelson, Moline, Ill., assignor to The Herman Nelson Corporation, Moline, Ill., a corporation of Illinois

Original application August 10, 1936, Serial No. 95,141. Divided and this application May 25, 1939, Serial No. 275,587
7 Claims. (Cl. 126—118)



1. In a furnace, a plurality of waste flue ducts disposed in a horizontal plane and each having longitudinally extending heat absorbing ribs on the inside and vertically extending heat radiating fins on the outside thereof, said outside fins being spaced more closely together along the lengths of said ducts the lower the temperature gradient between the inside and outside of said ducts.

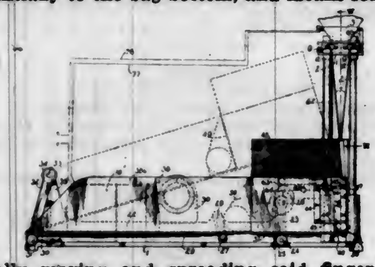
2,254,384

APPARATUS FOR FEEDING AND OPENING BAGS AND CONTAINERS

Leon J. Nowak, Jr., Chicago, Ill.

Application December 30, 1937, Serial No. 182,439
21 Claims. (Cl. 226—49)

1. In an apparatus of the class described, a plurality of pivoted fingers converging substantially to a point, a bag magazine, means for shifting said magazine for telescoping a bag over said fingers and bringing their converged ends substantially to the bag bottom, and means for pivotally moving and spreading said fingers for opening said bag.

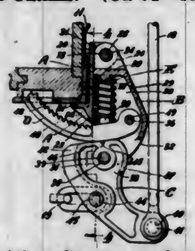


2,254,385

QUICK TAKE-UP MECHANISM

Roland J. Olander, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware

Application April 26, 1940, Serial No. 331,835
8 Claims. (Cl. 74—517)



1. In a quick take-up mechanism for hand brakes for cars, the combination with a lengthwise movable pull-up rod; of a motion transmitting element extending lengthwise of the car; a pendant swinging arm pivoted at its upper end on the car; a depending bell crank pivoted at its upper end to the lower end of said arm; and spring means of predetermined capacity opposing relative swinging movement of said arm and bell crank while slack is being taken up in the brake mechanism to compel said arm and bell crank to swing as a unit, said spring yielding to permit swinging movement of the bell crank on said arm when a predetermined resistance is encountered to application of the brakes, said pull-up rod being pivotally connected at its lower end to the lower end of the bell crank and said motion transmitting element being anchored to said bell crank at a point between the ends of the latter, offset laterally inwardly with respect to the pivotal connection between the pull-up element and bell crank.

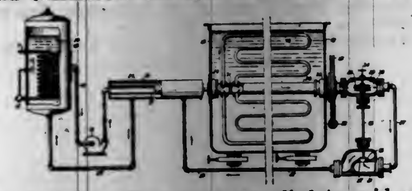
2,254,386

MEANS FOR TREATING SUGAR BEARING MATERIALS

Charles A. Olcott, West Milford, N. J.

Application October 24, 1938, Serial No. 236,659
15 Claims. (Cl. 127—17)

1. In a system for the manufacture of sugar, a tank for containing magma, a coil in said tank in heat exchange relation with said magma, means for supplying fluid medium to said coil to heat said magma to a desired temperature, a volumetric valve for controlling the withdrawal of the fluid medium from said coil, a thermostat, responsive to the temperature of the fluid medium withdrawn from said coil, for controlling said valve, and a heat exchanger, posterior to said thermostat through which and in which



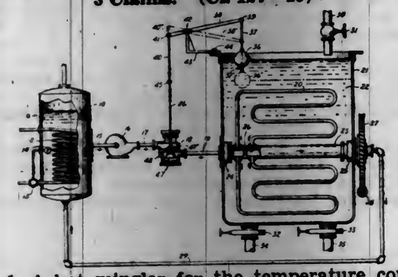
the heated medium to be supplied to said coil passes and is in heat exchanging relation with the fluid medium withdrawn from said coil for regulating the temperature of the fluid medium supplied to said coil.

2,254,387

MEANS FOR CONDITIONING SUGAR BEARING MATERIALS

Charles A. Olcott, West Milford, N. J.

Application March 11, 1939, Serial No. 261,185
3 Claims. (Cl. 127—19)



1. A hot mingler for the temperature conditioning of sugar magma or the like comprising a tank for containing the magma, a heating surface within said tank normally covered by said magma, heat supply means normally maintaining said heating surface at a temperature substantially in excess of the highest temperature to which said magma could be heated without deleteriously affecting it, means for establishing relative movement between said heating surface and said magma whereby heat from said heating surface is distributed throughout said magma, the said relative movement being such that said heating surface breaks through the surface of said magma when the level thereof is lower than normal, and means controlled by the level of said magma and operating on said heat supply means for reducing the temperature of said heating surface whenever the level of said magma is low enough that said heating surface breaks through the surface thereof, whereby excessive overheating of magma adhering to said heating surface during its movement above the mass of magma is substantially reduced.

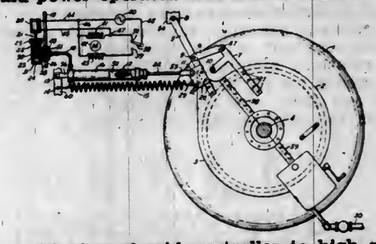
2,254,388

COVER FOR CENTRIFUGAL MACHINES EMPLOYED IN THE EXTRACTION OF SUGAR FROM SUGAR BEARING MATERIALS

Charles A. Olcott, West Milford, N. J.

Application March 27, 1939, Serial No. 264,402
5 Claims. (Cl. 210—63)

1. A centrifugal separator comprising a casing, a rotatable basket within said casing, said casing having an opening therein affording access to said basket, a cover for said opening, driving means for rotating said basket at high speed, a controller for engaging and disengaging the high speed drive, a power-operated device for positioning said cover and means connected to said power-operated device and responsive to



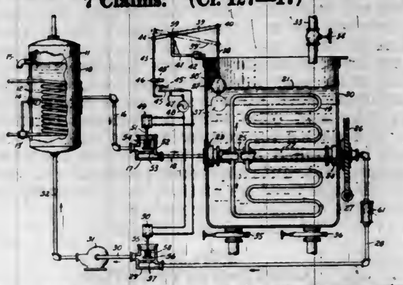
the positioning of said controller to high speed drive for initiating the closing of said cover by said device, said last-mentioned means being responsive to the positioning of said controller to disengage the high speed drive for initiating the opening of said cover by said device.

2,254,389

MEANS FOR PREVENTING THE DILUTION OF SUGAR BEARING MATERIALS

Charles A. Olcott, West Milford, N. J.

Application April 15, 1939, Serial No. 268,004
7 Claims. (Cl. 127—17)



7. A hot mingling system for the temperature conditioning of sugar magma or the like comprising an open tank for containing the magma, a heater-stirrer coil within said tank and means for rotating said coil, a reservoir for heating fluid and means for circulating said heating fluid from said reservoir through said coil and back to said reservoir, said last-mentioned means comprising a pump in the return to said reservoir, means for maintaining the heating fluid in said reservoir at such level above the normal magma level in said tank that the normal static pressure of said magma is at each point of said rotating coil only slightly in excess of the pressure of said heating fluid at each said point, means responsive to a reduction of the level of said magma to a predetermined subnormal level, and a controller actuated by and in response to operation of said responsive means for reducing the pressure of said fluid in said coil whereby said fluid is maintained at a pressure not exceeding the reduced static pressure of said magma.

2,254,390

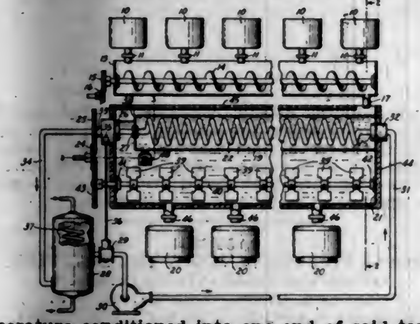
TEMPERATURE CONDITIONING OF SUGAR BEARING MATERIAL

Charles A. Olcott, West Milford, N. J.

Application July 8, 1939, Serial No. 283,438
12 Claims. (Cl. 127—19)

7. A hot mingler for the temperature condi-

tioning of magma or other sugar bearing material prior to centrifuging comprising an elongated reservoir for containing said magma and adapted to maintain said magma without substantial change in heat content, a plurality of outlets spaced along the bottom of said reservoir for discharging said magma to respective centrifugals as desired, an elongated tank suspended in said reservoir, a heat exchanger comprising a coil rotatably mounted lengthwise in said tank and means for circulating heating fluid through said coil from one end thereof to the other, means for discharging the magma to be tem-



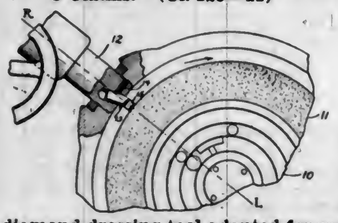
perature conditioned into one end of said tank, said coil being so proportioned that on rotation it conveys the said magma toward the other end of said tank, said tank being so proportioned that the said magma so conveyed flows over the said other end into said reservoir, a thermo-responsive device immersed in the magma flowing over said other end, and means controlled by said device for regulating the rate at which heat is supplied by said heat exchanger to said magma, said controlled means operating to maintain the temperature of the magma flowing from said tank substantially constant.

2,254,391
COATING APPARATUS
Andrew B. Peterson, Hoquiam, Wash., assignor to Harbor Plywood Corporation, Hoquiam, Wash., a corporation of Delaware
Application April 28, 1938, Serial No. 204,758
3 Claims. (Cl. 91—49)



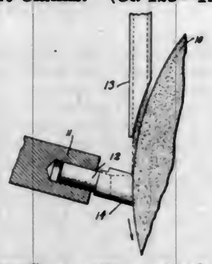
1. A coating apparatus comprising a pair of spaced vertical plates, a coating roll extending transversely between said plates and rotatably carried thereby, a doctor roll extending between said plates alongside of said coating roll, bearing blocks carried by said plates rotatably supporting the doctor roll, means for sliding the bearing blocks relative to the plates to move the doctor roll toward and away from the coating roll, additional plates mounted on top of said plates and pivotally connected thereto, a top coating roll rotatably mounted between said additional plates above said first mentioned coating roll, a doctor roll for said top coating roll also mounted between said additional plates, and means for swinging the top plates about their pivot points for regulating the pressure between the coating rolls.

2,254,392
DIAMOND DRESSING TOOL AND METHOD OF DRESSING GRINDING WHEELS
John L. Petrie, Detroit, Mich., assignor to Wheel Trueing Tool Company of Delaware, Detroit, Mich., a corporation of Delaware
Application August 2, 1940, Serial No. 349,513
9 Claims. (Cl. 125—11)



8. A diamond dressing tool adapted for mounting in a holder to dress a wheel comprising a tool body, a plurality of diamonds set in an end thereof in such manner that all of said diamonds lie in practically a single plane substantially transverse of the axis of the wheel and with at least two diamonds disposed in a line across the end of the tool body, whereby the diamonds line up one behind the other in substantially the same cutting track.

2,254,393
HOOD FOR ATTACHMENT TO DIAMOND TOOLS
John L. Petrie, Detroit, Mich., assignor to Wheel Trueing Tool Company of Delaware, Detroit, Mich., a corporation of Delaware
Application December 24, 1940, Serial No. 371,469
10 Claims. (Cl. 125—11)

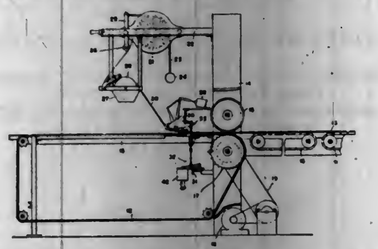


7. In combination with a wheel dressing tool adapted to be cooled by a stream of coolant, a hood carried by the tool having a coolant-directing wall spaced outwardly from the tool and provided with a leading edge adapted to engage a wheel being dressed by the tool to form a chamber around the tool end, and said wall having coolant inlet and outlet passages sized for flow of coolant through the chamber while selectively retaining coolant around the tool end.

2,254,394
CUTOFF APPLYING MEANS
Harold M. Ratley, Highland Park, and Alvin C. Lind, Detroit, Mich., assignors to National Automotive Fibres, Inc., Detroit, Mich., a corporation of Delaware
Application September 16, 1940, Serial No. 357,067
15 Claims. (Cl. 154—41)

1. Apparatus for applying strip material to a series of continuously advancing articles, comprising: a conveyor for advancing said articles in spaced relation, a support adjacent said conveyor

for continuous strip material, a knife movable across the path of said articles to sever strip material between adjacent articles, a pin for impaling the free end of said strip material after severance of a length thereof, said pin being lo-

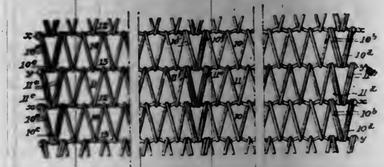


cated to position the said free end out of the path of advance of said articles, and means for moving said free end into engagement with a following article when said article arrives in position to receive said strip material.

2,254,395
PIGMENT
Swanie S. Rossander, Wilmington, Del., and Harold E. Woodward, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 6, 1939, Serial No. 293,569
9 Claims. (Cl. 260—176)

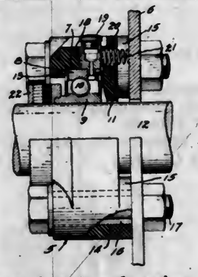
1. A disazo pigment color in which the radical of one component is a radical of a diamine of the 3-3'-diphenyl benzidine series and the radicals of the coupling components are the same members of a group consisting of radicals of azo dye coupling components having an active methylene group in a tautomeric enol form, said pigments being devoid of solubilizing groups.

2,254,396
MANUFACTURE OF WIRE FABRICS
Otto Carl Scherfel, Philadelphia, Pa., assignor to Audubon Wire Cloth Corporation, Philadelphia, Pa., a corporation of New Jersey
Application May 15, 1940, Serial No. 335,411
14 Claims. (Cl. 245—6)



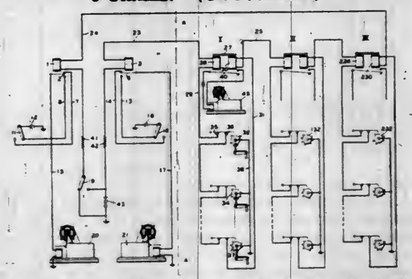
1. A wire fabric composed of a plurality of helically coiled wires, cross rods extending the full width of the fabric and connecting the bights of pairs of the several helically coiled wires; said cross rods being crimped with the bends so spaced as to be engaged by the helices or coils of the respective cross wires, and reinforcing and strengthening means for the selvages of said fabric comprising a plurality of closely placed coils of the respective helically coiled wires disposed adjacent to the marginal edges of the fabric; each of said helically coiled wires being welded to an individual cross rod beyond said closely placed coils.

2,254,397
BEARING
Raymond R. Searles, New Britain, Conn., assignor to Fafnir Bearing Company, New Britain, Conn., a corporation of Connecticut
Application December 7, 1938, Serial No. 244,339
1 Claim. (Cl. 308—184)



A flange type bearing housing including a block of rubber to be secured to a support, the body of said block being flat and of substantially uniform thickness, said block having a transversely extending bearing receiving opening therein and located between the planes defining the sides of said block of substantially uniform thickness, a plurality of bolt holes arranged about said opening and removed therefrom, spacers in said bolt holes, feet extending from one flat side of said block and surrounding said bolt holes, said spacers extending through said feet, bolts extending through said spacers, said spacers being of a length to limit the extent of compression of said block and feet by said bolts, said feet being of a height sufficient to space the main body of said block away from the support at all points removed from said feet, whereby said block will be rigidly secured to said support but the main body thereof will be spaced therefrom so as to render said main body slightly more resilient when distorted under the influence of an anti-friction bearing in said bearing receiving opening.

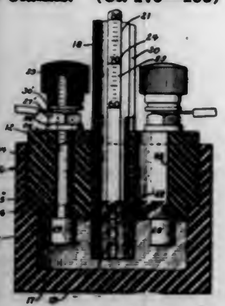
2,254,398
SIGNALING CIRCUITS
Richard F. Spamer, Lynbrook, N. Y., assignor to American District Telegraph Company, New York, N. Y., a corporation of New Jersey
Application April 5, 1938, Serial No. 200,146
9 Claims. (Cl. 177—367)



2. In combination, a central station including an indicator, a transmission line connected to the central station, a plurality of substations connected in the transmission line, transmitters connected in said substations for transmitting signals to actuate the indicator, a local signal indicator in at least one of said substations, means connected to the transmitter in said one

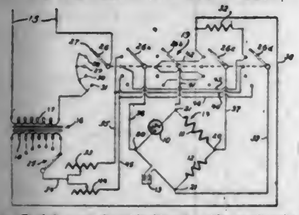
substation and energized by local signals for controlling the local signal indicator in response to locally transmitted signals and means connected to the line at each substation for counteracting the effect of the local indicator controlling means when line signals are initiated at another substation.

2,254,399
CONCENTRATION TESTING APPARATUS AND METHOD
James Hammond Starr, La Grange, Ill., assignor to Dearborn Chemical Co., Chicago, Ill., a corporation of Illinois
Application January 26, 1940, Serial No. 315,682
18 Claims. (Cl. 175—183)



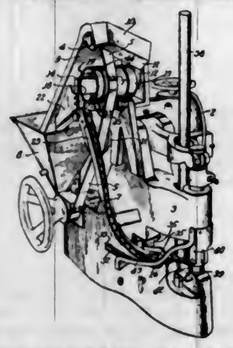
1. A fluid conductivity testing device comprising a housing defining an open receptacle for receiving an isolated sample of a fluid to be tested, a removable closure for the receptacle, said receptacle and closure defining a testing compartment lined with insulating material, and a pair of electrodes of like material carried by the closure arranged to contact the fluid in the testing compartment, when the closure is in receptacle closing position.

2,254,400
CONCENTRATION TESTING SYSTEM AND METHOD
James Hammond Starr, La Grange, Ill., assignor to Dearborn Chemical Co., Chicago, Ill., a corporation of Illinois
Application January 26, 1940, Serial No. 315,683
25 Claims. (Cl. 175—183)



1. In a fluid conductivity testing device, a plurality of electrodes immersible in the fluid, a plurality of impedances, current responsive indicating means, said electrodes, impedances, and indicating means being connected in a network, a source of potential connected to points on the network for passing a current through the network, means for adjusting the potential to pass a current through the indicating means corresponding to the temperature of said fluid to be tested, and means for connecting the adjusted potential at different points of the network, said second points offering the same network impedance as said first points, for causing the indicating means to indicate a current passing through the electrodes corresponding to the conductivity of the fluid.

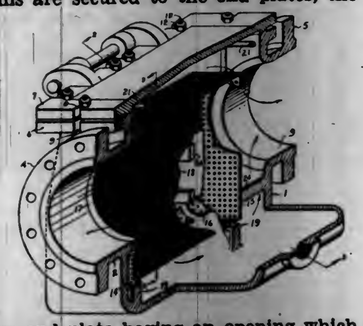
2,254,401
FEEDING MECHANISM FOR SEAL-STAMPING MACHINES
Franz Leo Stoffel, Arbon, Switzerland, assignor to Hans F. Stoffel, New York, N. Y.
Application January 27, 1939, Serial No. 253,237
In Switzerland January 31, 1938
1 Claim. (Cl. 193—10)



A feeding mechanism for delivering slotted blanks to seal-stamping machines of the character described, comprising in combination a delivery device, a pickup-and-kickout device, and a feeding device proper; the said first device comprising a rotary drum of internally conical section which widens towards the delivery end, means projecting into the latter for retarding the delivery of the said blanks, a longitudinal groove on the inside of said drum for the purpose of positioning the said blanks, and a spring finger secured to the rim of the delivery end of the said drum cooperating with the said second device; the second device comprising a forked chute, a roller rotating at the top of said chute and below the said delivery end onto which the said blanks are delivered one by one for the purpose of positioning them with respect to the slots thereof, a riding rail for the aligned blanks in the one fork of said chute, and the other fork of the said chute forming the kickout channel for the non-aligned blanks which are lifted thereinto by the said spring finger; and the third device comprising at the lower end of the pickup channel a curved and slotted pivoting arm, a curved riding rail secured to one end of the said arm and being provided with a swelling at its forward end, a spring secured to the said arm having its free end bent over at right angles so as to lie immediately on top of the said arm, and a second spring secured to the end of the said pickup channel to counteract the said first spring for the purpose described.

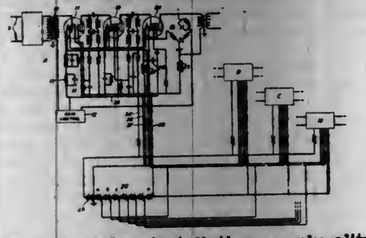
2,254,402
STRAINER
Thomas Wheatley, Houston, Tex.
Application December 8, 1938, Serial No. 244,511
3 Claims. (Cl. 210—164)

1. A strainer assembly comprising a casing having an inlet and an outlet in alignment with the inlet, a removable cover on the casing and forming a fluid tight joint therewith, a strainer in the casing comprising end plates, anchor bars connecting the end plates, said strainer having a foraminated top, bottom, and sides and whose margins are secured to the end plates, the up-



stream end plate having an opening which registers with said inlet, grips upstanding from the strainer and abutting the cover.

2,254,403
AMPLIFIER
Ira G. Wilson, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original application May 27, 1936, Serial No. 82,156. Divided and this application September 8, 1938, Serial No. 228,987
3 Claims. (Cl. 179—171)



1. In a repeater installation, a plurality of communication circuits, a plurality of amplifiers each including heater type tubes, one amplifier being individual to each circuit, a common battery for supplying both anode voltage and heater current for the tubes of said amplifiers, said battery having a negative pole connected in common to the cathodes of said tubes and a positive pole connected to the anodes of said tubes, a heater circuit for the heaters of the first amplifier connected between the negative pole and an intermediate point in said battery and a heater circuit for another amplifier connected between said intermediate point and a more positive point in said battery.

2,254,404
DISTILLATION OF ETHERS CONTAINING PEROXIDES
Wolfgang C. Winning, Union, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application April 29, 1939, Serial No. 270,923
7 Claims. (Cl. 202—57)

1. A process which comprises adding to a peroxide-containing alkyl ether a small amount of a petroleum oil fraction boiling between about kerosene and about light lubricating boiling ranges and distilling the same.

2,254,405
STEMMING DUMMY FOR SHOOTING COAL
Frank Yakes, Jr., Lafayette, Colo.
Application March 29, 1940, Serial No. 326,594
9 Claims. (Cl. 102—11)



1. An elongated stemming dummy for insertion in blasting shoe holes for sealing the latter against the force of an explosion comprising: a pressure plate for positioning over and about a shot hole; a draw bolt extending through said plate into said hole; an inner member on said draw bolt; a shank member extending inward from said plate toward said inner member; a resilient, longitudinally-compressible, laterally-expansible member about said bolt between the inner member and the shank member; a nut on said bolt exteriorly of said plate for drawing the inner member against the resilient member; and means for preventing rotation of the bolt in the pressure plate.

2,254,406
METHOD AND APPARATUS FOR QUICK FREEZING
Wladimir M. Zaroschenzeff, Palisades, N. J., assignor to National Frosted Foods, Inc., New York, N. Y.
Application October 27, 1938, Serial No. 237,168
4 Claims. (Cl. 62—114)



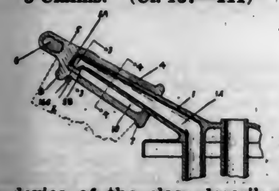
1. A freezing apparatus comprising a casing and a plurality of spaced refrigerating elements arranged therein, each of said elements consisting of a frame and a pair of opposed walls cooperating with the frame to provide an enclosed space in said element, means for supplying each of said cooling elements with a liquid refrigerant, and means for withdrawing the used refrigerant therefrom, said walls being made from a highly extensible resilient material having the characteristic of being able to conform at low temperatures substantially to the shape of the materials confronting the wall.

2,254,407
ACIDS OF THE CYCLOPENTANO POLYHYDRO PHENANTHRENE SERIES AND THEIR DERIVATIVES AND A METHOD OF PRODUCING THE SAME
Hans-Georg Allardt, Philippsthal, and Lothar Strassberger, Berlin-Wilmersdorf, Germany, assignors, by mesne assignments, to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey
No Drawing. Application October 20, 1936, Serial No. 106,564. In Germany October 24, 1935
31 Claims. (Cl. 260—397.1)

1. In a method of producing acids of the cyclopentano polyhydro phenanthrene series and their derivatives, the step which comprises reacting a 13-methyl cyclopentano polyhydro phenanthrene having a keto group in one of the 3 and 17 positions with a halogen-substituted lower

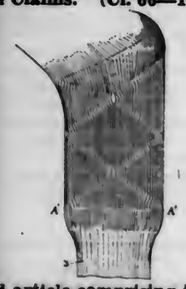
aliphatic monocarboxylic acid ester in the presence of a metal capable of taking part in a Reformatzky type of reaction.

2,254,408
SANITARY PUMP CLOSURE
Charles L. Allen, Portland, Oreg.
Application March 19, 1940, Serial No. 324,829
5 Claims. (Cl. 137—111)



1. In a device of the class described, a one-piece body element of live rubber, said body element having an elongated recess extending the major portion of its length and open at one end to enable it to be fitted snugly to the spout of a soda fountain pump, a drip pocket disposed within said body element and opening, along its top side into the lower portion of said recess, a radially extending flange disposed about the open end of said body element, a transverse slit between the ends of said pocket and recess and extending through the bottom and side walls of said body element, a knob disposed upon the under side of said body element, said slit being disposed between the flange and the knob to enable a beverage container to engage the knob and open the slit when upward pressure is applied to said container.

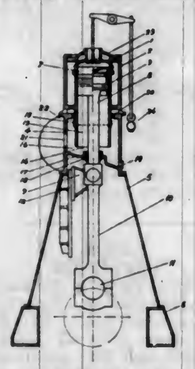
2,254,409
KNITTED ARTICLE AND METHOD OF KNITTING SAME
John M. Allen, Toronto, Ontario, Canada, assignor to Scott & Williams, Incorporated, Laconia, N. H.
Application March 2, 1940, Serial No. 321,890
14 Claims. (Cl. 66—179)



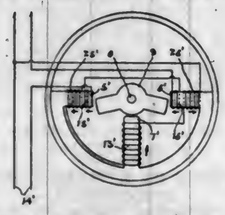
1. A knitted article comprising interfitting angular shaped figures having intersecting borders knitted therebetween, one or more of the intermediate wales of the intersecting zones of the borders having a lesser number of stitches than the total number of courses in the intersecting borders.

2,254,410
MULTICYLINDER, SINGLE-ACTING, TWO-STROKE-CYCLE INTERNAL COMBUSTION ENGINE OF THE CROSS-HEAD TYPE
Haakon Carl Herman Andresen, Hellerup, near Copenhagen, Denmark
Application October 9, 1939, Serial No. 298,682
In Denmark October 29, 1938
3 Claims. (Cl. 123—173)

1. A multi-cylinder single-acting two-stroke cycle internal combustion engine of the cross-head type in which each cylinder unit comprises exhaust means disposed above the upper dead center position of the working piston, scavenging and charging ports disposed only in the vicinity of the lower dead center position of the working piston and controlled by the latter, a working piston of such comparatively restricted axial length as to uncover the scavenging and charging ports during a considerable portion of its travel in the upper part of the cylinder, and a freely depending cylinder liner being only secured to stationary engine parts with its upper end, the scavenging and charging ports being arranged in the lower end of the liner, and having a closed scavenging air chest common to a number of cylinder units and communicating freely with a scavenging air receiver, apertures being provided in the upper wall of said scavenging air chest through which the lower ends of the liners are projecting air-tight but axially movable in such a manner that the scavenging air ports lie freely within the scavenging air chest, and a stuffing box for receiving the piston rod provided in the bottom wall of said scavenging air chest.

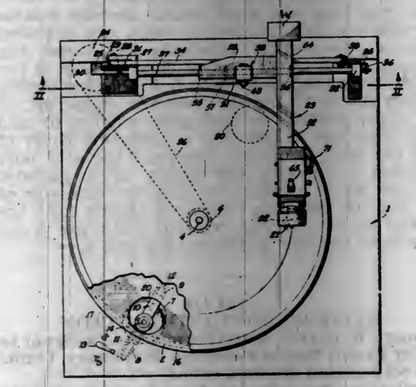


2,254,411
REVERSE POWER RELAY
Edward M. Ashworth and Frank F. Ambuhl, Toronto, Ontario, Canada, assignors to Toronto Electric Commissioners, Toronto, Ontario, Canada
Application June 14, 1939, Serial No. 279,071
5 Claims. (Cl. 175—294)



2. A reverse power relay for co-operation with an A. C. circuit, comprising an oscillatable armature having a plurality of poles radiating from a concentric hub portion and spaced peripherally, a magnetic yoke member having a triple set of circumferentially spaced magnetizable poles at least two of which are disposed in magnetically co-operative relation with said armature poles, the relative angular disposition of said co-operative armature poles and yoke poles being such that when one armature pole is in register with its respective yoke pole the other armature pole or poles will be just slightly offset from the other yoke pole or poles, electro-magnetic means co-operating with all of said poles and energized by the A. C. flow in said circuit to create a magnetic flux passing into one of the armature poles and simultaneously out of the other dependent on the direction of flow of power in said circuit, and electro-magnetic means magnetically co-operating directly with said concentric hub portion of the armature and differentially energized from said A. C. circuit to direct a magnetic flux through one of said armature poles dependent on the direction of the magnetic flux created by the aforesaid electro-magnetic means.

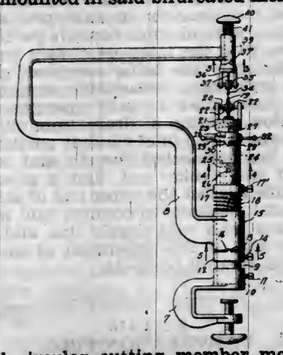
2,254,412
SOUND RECORDING DEVICE
Alexis Badmaieff, Los Angeles, Calif.
Application June 10, 1940, Serial No. 339,609
5 Claims. (Cl. 274—13)



1. In a sound recording machine, the combination of: a stationary frame including a horizontally disposed guide means; a pulley rotatably mounted at each end of said frame, a flexible, continuous band carried by said pulleys; a driving carriage slidably mounted on said guide means; a clutch on said carriage, said clutch being adapted to selectively engage and hold either lay of said band; said clutch comprising a pair of stationary face plates and a pair of movable face plates, said movable face plates being fixed relative to each other, and said stationary and said movable face plates being so arranged that movement of the movable plates in one direction causes one of the lays of said band to be engaged by one of said stationary and one of said movable face plates, and movement of the movable plates in the other direction causes engagement of the other lay of said band by the other two face plates.

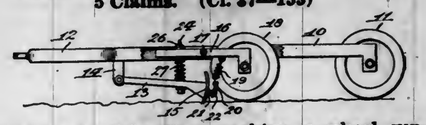
2,254,413
CUTTING DEVICE
Harold D. Battershell, Detroit, Mich.
Application May 13, 1941, Serial No. 393,290
9 Claims. (Cl. 164—60)

4. A device of the character described comprising the combination of a substantially C-shaped bracket, a tubular body member extending through the lower end of said bracket, fastening means secured to said body member, a bifurcated member adjustably mounted in the upper end of said bracket, a circular cutting member mounted in said bifurcated member, and



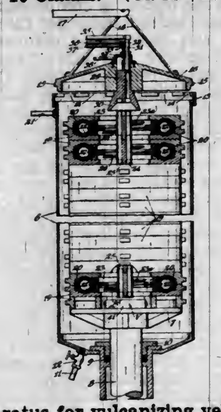
a second circular cutting member mounted on means at the free end of said body member.

2,254,414
LAND LEVELING MACHINE
Robert Bowlin, Indio, Calif.
Application March 17, 1941, Serial No. 383,708
5 Claims. (Cl. 37—153)



4. In a land leveling machine, a wheel supported frame, arms hinged at their forward ends to the forward portion of said frame, an earth leveling blade carried by the rear ends of said arms and means including depth gauge arms pivoted on said frame, wheels carried by the rear ends of said depth gauge arms and adjustable resilient connections between said depth gauge arms, said blade carrying arms and said blade, for controlling the action of said blade carrying arms and the operation of the blade carried by said arms.

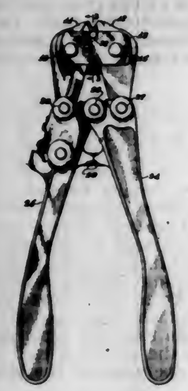
2,254,415
TIRE COOKER
Donald Boyd and Harry E. Fenner, Eau Claire, Wis.
Application June 30, 1939, Serial No. 282,048
10 Claims. (Cl. 18—17)



10. Apparatus for vulcanizing vehicle tire cas-

ings and similar hollow rubber articles comprising, a cooker pot, a plurality of casing molds in superposed relationship in said pot, a closure for said pot, a fluid inlet conduit portion communicating with the interiors of said molds, said inlet conduit portion being composed of a plurality of superposed detachable sections corresponding in number to said superposed molds, each section having a drain conduit portion formed therein, said inlet conduit portion having a supply line connected thereto and extending outside of said cooker pot, and a pressure device movable against the upper end of said superposed conduit sections to connect said inlet conduit portion with said supply line and to close the upper end of the uppermost of said superposed drain conduit portions.

2,254,416
COMPRESSION TOOL
Leroy H. Burns, Cleveland, Ohio, assignor to The National Telephone Supply Company
Application May 23, 1940, Serial No. 336,747
6 Claims. (Cl. 140—113)



1. In a toggle action compression tool adapted to compress sleeves on wires, the combination of a pair of movable jaw members each having opposing compressing portions for engaging and compressing the sleeves on the wires, link means positioned adjacent the jaw members and relatively close to the opposing compressing portions, two spaced substantially parallel fulcrum means engaging the link means and pivotally supporting the jaw members, the part of the compressing portions most removed from the fulcrum means moving through a greater path and producing a greater flow of metal in the compressed sleeve than the part of the compressing portions less removed from the fulcrum means and thus setting up a bending action in the sleeve, and sleeve engaging means having an edge portion spaced from the jaw members, said compressing portions upon the closing of the jaw members moving in a direction toward the sleeve engaging means and causing the sleeve to engage the said edge portion thereof to substantially off-set the bending action in the sleeve produced by the compression thereof by the movable jaw members, said compression portions of the movable jaw members and said edge portion of the sleeve engaging means directly transmitting at spaced distances apart opposing bending forces to the sleeve for maintaining the sleeve substantially straight.

2,254,417
TACK BUTTON
Leonard R. Carley, Watertown, Conn., assignor to The Patent Button Company, Waterbury, Conn., a corporation of Connecticut
Application November 12, 1940, Serial No. 365,371
1 Claim. (Cl. 24—90)



A tack button including a metal body shell having a hub, the said shell provided with a peripheral upstanding rim along its upper edge, a pre-molded plastic slug also having a hub and said plastic slug tightly fitted within and filling said shell, the bottom of the shell being perforated and the plastic slug having a bore centrally thereof in registry with said perforation in the bottom of the hub of the shell, the specific gravity of said slug being substantially six times less than that of a steel slug to thereby provide a relatively light button, a metal cap provided with a downwardly extending peripheral rim gripped about the aforementioned peripheral rim of the body shell to thereby hold the slug tightly within the shell, the said cap also supported on its under surface by the upper surface of said slug, the bore in the slug terminating short of the top surface of said slug and the said bore adapted to receive the prong of a fastener slightly larger in diameter than the diameter of the bore of said slug to thereby tightly hold the button in its attached position when the prong of a tack fastener is driven into said bore.

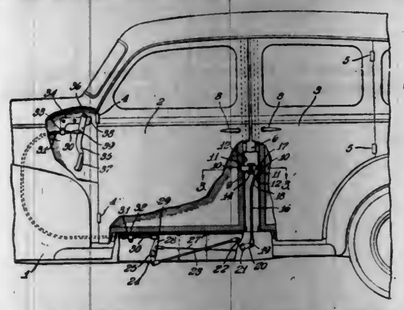
2,254,418
REINFORCED PLASTIC BUTTON
Leonard R. Carley, Watertown, Conn., assignor to The Patent Button Company, Waterbury, Conn., a corporation of Connecticut
Application November 12, 1940, Serial No. 365,372
3 Claims. (Cl. 24—95)



1. A reinforced plastic button comprising a metal shell having a hub, a body portion, and an outer peripheral flange, a plastic material filling said shell, and the said peripheral flange rimmed tightly about the said plastic filler and the hub of the filler adapted to receive a fastener.

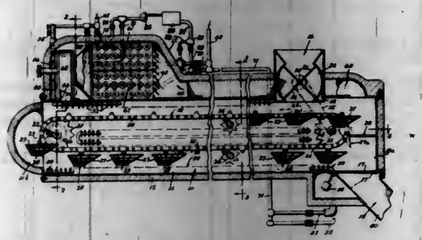
2,254,419
SAFETY LOCK FOR AUTOMOBILE DOORS
Lucy M. Castle, Akron, Ohio
Application May 1, 1940, Serial No. 332,815
3 Claims. (Cl. 180—82)

1. The herein described safety lock for the doors of automobiles and the like, comprising in combination with a pillar of the vehicle body and two companion doors correlated with the pillar and both moved against the pillar when closed, a locking element common to both doors and comprising an elongated flat bar having parallel longitudinal sides and parallel inclined end portions, said bar being pivotally mounted at its middle within the pillar and coincident with the longitudinal axis of the pillar and being of a length, whereby, when set horizontally and transversely of the pillar, its opposite end portions are protruded through and beyond openings provided therefor in the opposite sides of the pillar, but when turned to an angular opened position the element is entirely within the pillar, the doors being provided with recessed keeper portions in registration with said pillar openings and in which the end portions of the locking element are received when the doors are closed against the pillar and the locking element is set in the aforesaid horizontal position, an actuator rod pivotally



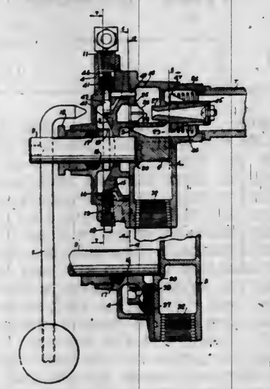
attached at one end to said locking element at the side of the pivotal axis thereof, said actuator rod depending from the locking element freely within the pillar with its opposite end portion projected below the pillar, and controlling and actuating means having a lever-and-rod connection with said actuator rod, said controlling and actuating means including a flexible rod mounted for reciprocation in a guide tube and attached to the controlling and operating lever of the emergency brake mechanism of the vehicle.

2,254,420
REFRIGERATING APPARATUS
Everett Cleveland, Salt Lake City, Utah, assignor of one-half to Arthur L. Layden, Los Angeles, Calif.
Application January 24, 1939, Serial No. 252,563
12 Claims. (Cl. 62—102)



6. In a refrigerating apparatus, the combination of a horizontally elongated chamber having removable closure means at one end; an endless conveyor disposed wholly within said chamber and comprising an upper run moving from adjacent said one end to adjacent the other end and a lower run moving in the reverse direction, said conveyor being operable to move articles delivered thereto at a position adjacent said one end along the upper run and then back along the lower run to a position adjacent said one end; wall means defining a refrigerant expansion space in heat-exchanging relation to the interior of said chamber, said wall means being disposed in close proximity to articles on said conveying means and separating said expansion space from the interior of the chamber and serving to conduct heat from the chamber interior to said space; separate refrigerating means located outside said chamber and comprising a refrigerant expansion coil; means for supplying expansible refrigerant to said expansion space and to said expansion coil; and means for circulating a stream of gas through said chamber in intimate contact with articles on said conveying means, and through said separate refrigerating means in intimate contact with said expansion coil.

2,254,421
VALVE
Earl E. Eickmeyer and Anthony G. Horvath, Dayton, Ohio, assignors to The Dayton Pump & Mfg. Company, Dayton, Ohio, a corporation of Ohio
Original application May 23, 1938, Serial No. 209,458. Divided and this application April 21, 1939, Serial No. 269,194
10 Claims. (Cl. 210—24)

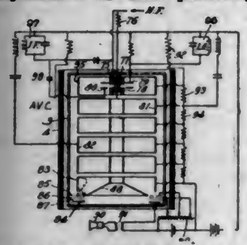


1. In a valve, a stator having an inlet passage and a plurality of outlet passages, a plurality of ports in one face thereof communicating with said passages, a rotor having a passageway in a face thereof which is disposed adjacent said face of said stator; a cover associated with said stator forming an enclosure therewith for said rotor, said rotor passageway being adapted to interconnect less than all of said ports with one another, and a groove in the face of said stator between the port communicating with said inlet passage and one of said ports communicating with said outlet passages to interconnect said two ports regardless of the position of the rotor with respect to the stator whereby fluid flow can be maintained through said one port at all times irrespective of the interconnection of the other ports.

2,254,422
ELECTRON MULTIPLIER
Dennis Gábor, Rugby, England
Application May 26, 1937, Serial No. 144,787
In Great Britain May 27, 1936
13 Claims. (Cl. 250—175)

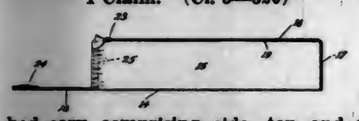
1. An electron multiplier comprising a plurality of rotationally symmetrical cathodes having inner surfaces capable of emitting secondary electrons, said cathodes being coaxial and axially spaced from one another forming a column, an anode of rotational symmetry inside the column of said cathodes and coaxial with them, an

output anode at the end of said column, and means independent of said plurality of cath-



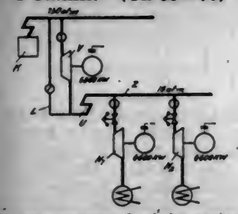
odes for producing a magnetic field of substantially axial direction.

2,254,423
BED COZY
Lenore Gerry, New York, N. Y.
Application August 26, 1939, Serial No. 291,994
1 Claim. (Cl. 5—320)



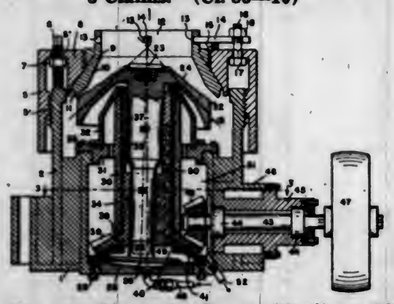
A bed-cozy comprising side, top and under walls and an end wall, said side wall being separable from the top wall and the side walls also being separable from the end wall, and hookless fasteners extending along the separable edges of the side and top walls and continuing downwardly along the separable edges between the side and end walls for securing the separable walls to each other and enabling the top and end walls when released by the hookless fasteners to be thrown back as a unit for entire elimination of the pocket enclosure and to permit entire exposure of the bed coverings at the top and foot of the bed whereby the bed coverings are readily accessible and the bed made up without requiring tucking operations within the cozy, said hookless fasteners functioning to secure the separable walls together and form the cozy into a pocket both at the end and sides of the cozy.

2,254,424
STEAM POWER PLANT
Hans Gleichmann, Falkenhain, Kreis Ost-Havelland, Germany, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany, a corporation of Germany
Application February 7, 1938, Serial No. 189,059
In Germany December 31, 1936
4 Claims. (Cl. 60—70)



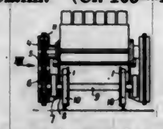
4. In a steam power electric generating plant having a high pressure steam generator and at least one individual high pressure prime mover unit and a plurality of individual parallel connected low pressure prime mover units designed to operate at pressures substantially higher than their normal operating pressure, the method of compensating the power lost by the breakdown of an individual plant unit, consisting in feeding steam from said steam generator directly to said low pressure units at a pressure sufficiently above the normal operating pressure of said units to increase the power output in the low pressure portion of the system sufficiently to compensate for at least the major portion of the loss of power due to the breakdown of a unit.

2,254,425
CRUSHER
Arthur W. Fahrenwald, Moscow, Idaho
Application May 28, 1938, Serial No. 210,615
3 Claims. (Cl. 83—10)



1. In a crushing mill, the combination with a main frame having an inner shell, and an upright bearing sleeve mounted on and projecting above and below the top of the shell, of a rotary bushing mounted and extending the full length of the sleeve, said bushing having two bores of differing diameters eccentrically arranged therein, a spindle journaled in the eccentric bores, and having a crushing head integral therewith, a spherical convex bearing disc mounted on the lower end of the spindle, and having a center of curvature adjacent the neutral point of the spindle and above the crushing head, a bearing support for the disc, and means for revolving the bushing.

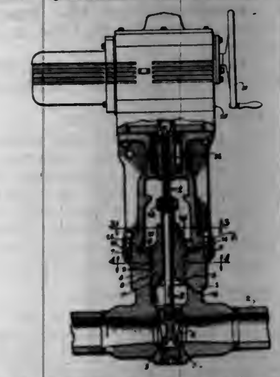
2,254,426
INDIVIDUAL AXLE DRIVE FOR DIRECT-DRIVEN DIESEL LOCOMOTIVES
Albert Finsterwalder, Cologne-Bruck, Germany, assignor to Klöckner-Humboldt-Deutz Aktiengesellschaft, Cologne-Deutz, Germany, a corporation of Germany
Application March 25, 1939, Serial No. 264,112
In Germany March 30, 1938
1 Claim. (Cl. 105—115)



In a Diesel locomotive, driving axles, pairs of wheels fixed to the respective axles in position to leave extending axle ends outside of each wheel, a locomotive frame having bearings in which said extending axle ends are journalled, transversely arranged Diesel engines mounted on said locomotive frame, and individual driving connections between said Diesel engines and said extending axle ends comprising gear wheels and universal joint couplings all positioned outside said locomotive frame, and oil-tight gear casings enclosing said gear wheels, rigidly secured to

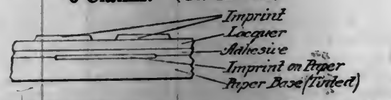
said locomotive frame, said universal joint couplings being located in the open between said gear casings and said locomotive frame.

2,254,427
VALVE
Frederick H. Hehemann, Cincinnati, Ohio, assignor to The Lunkenheimer Company, Cincinnati, Ohio, a corporation of Ohio
Application July 10, 1940, Serial No. 344,765
6 Claims. (Cl. 251—49)



1. In a valve, a valve body, a bonnet providing an insertable closure for an opening in the body and traversed by a valve operating stem projected from the interior of the body, the bonnet having an interlocking connection with the body, said body and bonnet at opposite ends of their interlocking connection respectively carrying rings in relative bearing contact and of different material than the body and bonnet to space and prevent cohesion of the body and bonnet.

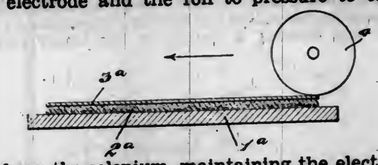
2,254,428
DECALCOMANIA
Ferdinand W. Humphner, Oak Park, Ill., assignor to Mid-States Gummed Paper Co., Chicago, Ill., a corporation of Delaware
Original application December 29, 1938, Serial No. 248,324. Divided and this application June 16, 1939, Serial No. 279,553
6 Claims. (Cl. 41—33)



1. A decalcomania product comprising: a paper base having an imprint thereon, an adhesive layer over said imprint, a transfer body over said adhesive, and imprints on said body, said imprint on said paper being normally concealed by the adhesive and body layers thereof.

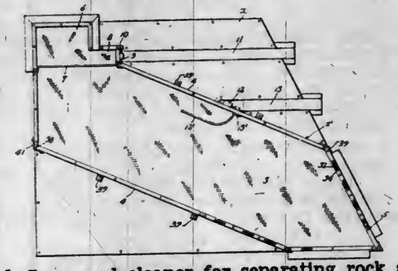
2,254,429
METHOD OF PRODUCING SELENIUM COATED ELECTRODES
Conradin Kreutzer, Nuremberg, Germany
Application December 16, 1938, Serial No. 246,237
In Germany December 17, 1937
6 Claims. (Cl. 175—366)

1. The method of producing selenium coated electrodes which consists in applying a layer of amorphous selenium to a metal foil, arranging the layer of selenium carried by the foil in intimate contact with an electrode, subjecting the electrode and the foil to pressure to expel



air from the selenium, maintaining the electrode and the foil at a temperature for converting the selenium into a crystalline state, cooling the selenium, and removing the foil.

2,254,430
SEED CLEANING APPARATUS
Clarence C. Le Suer and Sidney O. Evans, Hamilton, Mont.
Application April 29, 1939, Serial No. 270,868
3 Claims. (Cl. 209—467)

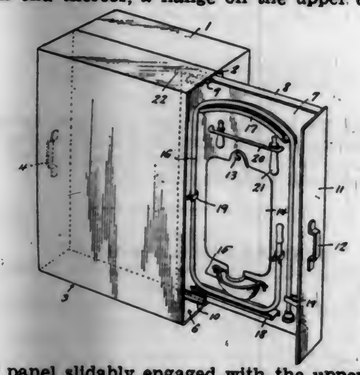


1. In a seed cleaner for separating rock and culls from seed stock under the action of gravity and air blasted through the stock, a deck having parallel sides and adapted for endwise vibration, an elongated runway on said deck for receiving said stock, said runway being of bin-like form with parallel sides extending obliquely of the sides of the deck and having a foraminous bottom incorporated in said deck for the passage of air under pressure upwardly through the stock in said runway, said bottom slanting toward one end of the runway and toward one side thereof, a laterally offset extension at the higher end of said runway introducing the stock therein, a baffle extending across the bottom of the runway in front of said extension and forming together with one side of the runway a rock trap, a door on said one side of the runway for opening and closing said trap, a battery of cull discharge gates in the opposite side of the runway adjacent the lower end thereof having discharge apertures therein above said bottom for the gravitational discharge of culls therethrough from the top of the stock, and a battery of seed delivery gates in the lower end of said runway opening vertically from said bottom for the gravitational discharging of the seed therethrough from the bottom of the stock.

2,254,431
MEDICINE CABINET
Samuel Marcus Levine, Hollywood, Calif.
Application May 22, 1940, Serial No. 336,677
1 Claim. (Cl. 312—175)

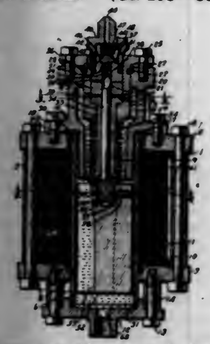
A medicine cabinet of the character described comprising a case, a door hingedly mounted at one end on the case for swinging movement in a horizontal plane, said door having a compartment therein open at the hinged end of the door,

guides mounted on the top and bottom walls of the compartment, a vertical panel mounted for lateral sliding movement in the compartment and adapted to be pulled outwardly therefrom at the open end thereof, a flange on the upper end of



said panel slidably engaged with the uppermost guide, the lower end portion of the panel being slidably engaged with the lowermost guide, a closure for the compartment on one of the vertical edges of the panel, and article supporting means mounted on said panel.

2,254,432
MAGNETIC PUMP
Edgar M. Lieberman, Merriam, Kans.
Application October 25, 1939, Serial No. 301,224
12 Claims. (Cl. 103—53)



1. An electromagnetic pump including a coil, a tube forming an armature chamber, an armature in said armature chamber, means sealing the chamber from the coil, means forming a combined plunger and valve chamber, having port connection with the armature chamber and having a valved outlet, a plunger in the plunger chamber, operably connected with the armature, means for supplying fluid to the armature chamber, a switch controlled circuit for the coil, and automatic means for intermittently opening and closing the switch circuit.

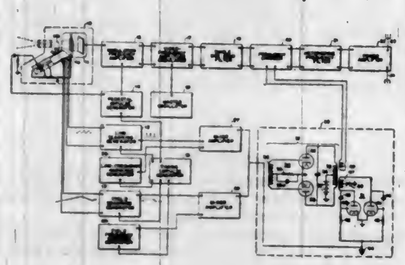
2,254,433
LUBRICATING OIL
Eugene Lieber, Linden, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application September 9, 1938, Serial No. 229,123
5 Claims. (Cl. 252—57)

4. Composition of matter comprising a waxy lubricating oil and a small amount, not greater than 2%, of a pour point depressing polyester formed from a polyhydroxy aliphatic alcohol with a long hydrocarbon chain and a polycarboxylic aromatic acid.

2,254,434
STABILIZING AGENT FOR OXYGEN-CONTAINING PER-COMPOUNDS
Otto Lind, Dusseldorf, and Herbert Colonius, Unterbach, near Erkrath, Germany, assignors, by mesne assignments, to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application August 27, 1938, Serial No. 227,112. In Germany September 7, 1937
4 Claims. (Cl. 252—95)

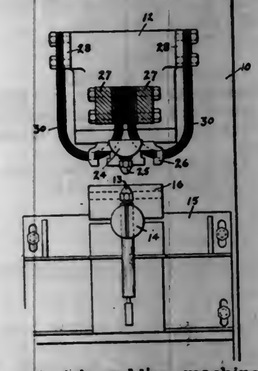
1. As an agent for stabilizing and controlling the flow of oxygen from oxygen-containing per-compounds, the combination comprising water-soluble salts of amino acetic acid having at least two carboxyl groups in the alpha positions for each basic nitrogen atom present and magnesium silicate said water-soluble salts being present in excess of the quantity of said magnesium silicate.

2,254,435
TELEVISION BROADCAST SYSTEM
Arthur V. Loughren, Tuckahoe, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application June 9, 1938, Serial No. 212,691
30 Claims. (Cl. 178—6.8)



1. A television broadcast system comprising a station for developing and transmitting a modulated-carrier wave including means for developing video-signal components during trace periods and synchronizing-signal components during retrace periods, and means for amplitude-modulating said carrier wave in accordance with said signal components of one of said types and for maintaining its frequency constant during all of said periods corresponding to said one of said types, and means for frequency-modulating said carrier wave in accordance with said signal components of the other of said types and for maintaining its amplitude constant during all of said periods corresponding to said other of said types, and a station for receiving and reproducing said transmitted wave including means responsive to amplitude modulation of the received carrier for detecting and utilizing said signal components of said one type, and means responsive to frequency modulation of the received carrier for detecting and utilizing said signal components of said other type.

2,254,436
SECONDARY CIRCUIT CONNECTION
Edwin A. Mallett, Warren, Ohio, assignor to Taylor-Winfield Corporation, Warren, Ohio, a corporation of Ohio
Application July 18, 1940, Serial No. 346,167
5 Claims. (Cl. 219—4)



1. In an electric welding machine the combination with a welding transformer having a pair of fixed secondary terminals, a normally fixed electrode, and a movable electrode, of means to convey welding current from one of said fixed terminals to the movable electrode comprising a pair of spaced parallel lugs rigidly connected with the said one of said terminals, a member electrically connected with said movable electrode and having a portion extending between but below said lugs, and a flexible conductor comprising laminations of flexible bands connected to each of said lugs and looped downwardly and inwardly towards said extended portion of said member, and means to connect the inner adjacent ends of each of said conductors with said extended portion of said member.

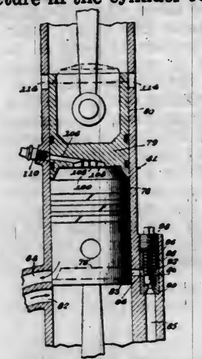
2,254,437
BUILT-IN FOLDING TRAILER
Arthur Marney, Los Angeles, Calif.
Application March 10, 1941, Serial No. 382,616
4 Claims. (Cl. 296—26)



1. In combination with the trunk compartment of a motor vehicle body, a pair of opposed rails secured within said compartment, a hinge rod having the opposite ends thereof engaged with said rails and supported therebetween for movement longitudinally of the rails, a trailer truck frame provided at one end thereof with hinge eyes through which said rod is trained, and a supporting wheel assembly hinged to said truck frame at the end thereof remote from said rod.

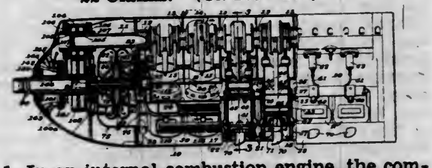
2,254,438
INTERNAL COMBUSTION ENGINE
John J. McCarthy, Malden, Mass.
Application April 13, 1940, Serial No. 329,475
8 Claims. (Cl. 123—51)

1. In an internal combustion engine, the combination of a cylinder; a piston in the cylinder forming a chamber therein; a spray-jet carburetor containing fuel oil; means for drawing a fuel oil-and-air mixture from the carburetor and delivering it into said chamber when the piston is substantially in its innermost position; and co-operating structure in the cylinder rendering the



delivered mixture turbulent substantially during the entire compression stroke of the piston so that maximum turbulence prevails substantially at the end of said compression stroke.

2,254,439
INTERNAL COMBUSTION ENGINE
John J. McCarthy, Malden, Mass., assignor to Mary E. McCarthy, Malden, Mass.
Application May 13, 1940, Serial No. 334,738
22 Claims. (Cl. 123—171)

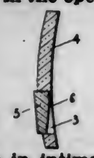


1. In an internal combustion engine, the combination of a plurality of cylinder members having intake and exhaust ports near their inner and outer ends, respectively; a sleeve member slidable in each cylinder member and constituting together with the latter a unit and having intake and exhaust ports adapted to register with the corresponding cylinder ports; a piston slidable in each sleeve member and adapted to cover and uncover the intake ports therein; a head on the outer end of a member of each unit forming together with the sleeve member of said unit and the piston therein a cylinder chamber; a first chamber separated from all cylinder chambers by said heads; a second chamber surrounding the intake ports of all cylinder members; and means providing communication between said first and second chamber, said first chamber having air admission ports so arranged that said heads are in heat-exchange relation with the admitted air.

2,254,440
MULTIFOCAL LENS AND METHOD OF MAKING SAME
Harold R. Moulton, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application August 18, 1939, Serial No. 290,873
2 Claims. (Cl. 88—54)

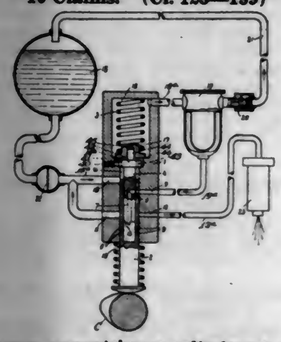
1. The method of forming a multifocal lens comprising forming an opening of a given con-

tour shape and size in a major piece of lens medium of a given index of refraction with the said opening having substantially parallel cliff-like walls, forming a segment member to substantially the same size and shape as the opening in the major piece, said segment comprising at least as a portion thereof, in the finished lens, lens medium of sensibly the same index of refraction as the major piece of lens medium, forming a finished optical surface on one side of said segment member to control, in part, the optical power desired of said segment and angularly disposing said surface so as to cause said segment to have a relatively thick edge portion of a thickness substantially the same as the thickness of the major piece of lens medium in the vicinity of the opening and to have a relatively thin edge portion, fitting and securing said segment member in the opening in the lens, with



its edge surfaces in intimate relation with the edge surfaces of the opening and with its finished optical surface lying within the opening and below the adjacent side surface of the major piece of lens medium to cause a surrounding cliff-like wall to remain about said surface, forming a continuous optical surface on the major piece of lens medium and the segment member on the side thereof opposite the first finished surface of the segment to complete the optical power desired of said segment member and to control, in part, the optical power desired in the major piece of lens medium and forming a finished optical surface on the opposed side of said major piece of lens medium and to such a depth as to reduce the thickness of the cliff-like wall at the dividing line between the thick portion of the segment and the major piece of lens medium to a minimum with the remaining portion of the cliff-like wall of a greater thickness.

2,254,441
PUMP
Helmut Müller, Cologne-Bayenthal, and Anton Pischinger, Cologne-Deutz, Germany, assignors to Klöckner - Humboldt - Deutz, Aktiengesellschaft, Cologne-Deutz, Germany, a corporation of Germany
Application August 12, 1939, Serial No. 289,742
In Germany September 2, 1938
10 Claims. (Cl. 123—139)



1. A pump comprising a cylinder; a piston fitting in said cylinder having an open ended axially extending bore; an inner piston fitting in said bore; said pistons forming an inner pump chamber within said bore and, in conjunction with said cylinder, forming a second ring-shaped pump chamber; means for positively reciprocating said first piston; means yieldingly pressing said inner piston into said bore; and inlet and outlet means for each of said pump chambers.

2,254,442
SUCTION NOZZLE
George W. Norrick, New Canaan, and Gustav Axel Peterson, Stamford, Conn., assignors to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application January 12, 1940, Serial No. 313,522
5 Claims. (Cl. 15—157)



1. In a suction nozzle, a hollow body having lips defining a suction opening, one of said lips being formed with a groove, said body having a bore in alignment with one end of said groove, a rod having a surface-contacting face disposed in said groove with one end thereof received in said bore, and a generally U-shaped spring clip member engaging the other end of said rod and resiliently embracing said body for securing said rod in place within the groove, the arms of said member extending substantially parallel to said rod.

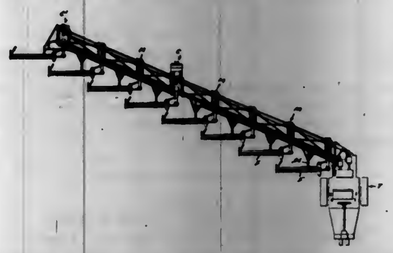
2,254,443
METHOD OF TREATING WELLS
Gustaf E. Ostrom, Whittier, Calif., assignor to Mabel E. Richart, Fullerton, Calif., and Jack C. Renfro, Orange County, Calif.
Application June 14, 1938, Serial No. 213,598
3 Claims. (Cl. 166—21)



2. The method of initiating production or increasing the output of a well which comprises introducing into the well mono-chloracetic acid together with magnesium and phosphorus pentachloride.

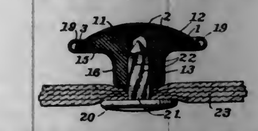
2,254,444
MOWING APPARATUS
John P. Pieler, Eureka, Nev.
Application November 29, 1940, Serial No. 367,853
6 Claims. (Cl. 56—6)

1. In a mowing apparatus of the class described, a tractor, a pair of carriages, mowing machine units located between the tractor and one carriage, mowing machine units located between the first carriage and the last carriage, each carriage having a ground engaging wheel, shafting driven from the tractor for driving the wheels of the carriages, clutch and transmission means on the first carriage, actuated by an operator on the first carriage, for controlling the transmission of power from the tractor to the



carriages, a cutter bar assembly on each unit and on each carriage, shafting actuated from the tractor for operating the cutting units, means actuated from the first carriage for raising and lowering the cutting assemblies of the two carriages and of the units between the carriages and means actuated from the tractor for raising and lowering the cutting assemblies of the units between the tractor and the first carriage, and means for connecting the carriages and the units to the tractor.

2,254,445
REINFORCED PLASTIC BUTTON
Forrest G. Purinton, Waterbury, Conn., assignor to The Patent Button Company, Waterbury, Conn., a corporation of Connecticut
Application October 17, 1940, Serial No. 361,647
4 Claims. (Cl. 24—90)



1. A reinforced plastic button including a body shell open at its top, a plastic insert filling said body shell and the top surface of said plastic insert forming the face of the button, a plate with raised insignia thereon embedded within the plastic insert and the insignia visible on the face of the button, the peripheral edge portion of said plate being gripped by the body shell and acting as a tie between the body shell and the plastic insert to hold the said plastic insert tightly within its shell, the bottom of the body shell being perforate, and the plastic insert provided with a registering chamber to receive a fastening member.

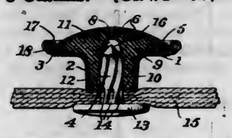
2,254,446
REINFORCED PLASTIC STAPLE BUTTON
Forrest G. Purinton, Waterbury, Conn., assignor to The Patent Button Company, Waterbury, Conn., a corporation of Connecticut
Application October 23, 1940, Serial No. 362,447
6 Claims. (Cl. 24—95)

1. A reinforced plastic button consisting of a metal shell, a pre-molded plastic insert within the shell, the insert provided with a hub adapted to deflect the prongs of a staple fastener, and



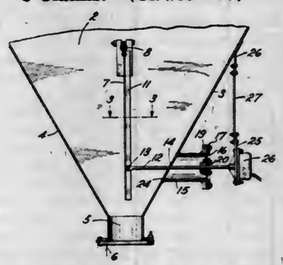
the shell secured about the peripheral rim of the plastic insert.

2,254,447
REINFORCED PLASTIC BUTTON
Forrest G. Purinton, Waterbury, Conn., assignor to The Patent Button Company, Waterbury, Conn., a corporation of Connecticut
Application October 24, 1940, Serial No. 362,669
5 Claims. (Cl. 24—90)



1. A reinforced plastic button including a metal back shell having an upwardly extending peripheral flange, a pre-molded plastic body tightly fitted within the shell, a metal plate having raised insignia stamped thereon embedded in the plastic body and the face of the insignia visible in the plastic body, the said plate being dome-shaped and having a curled peripheral rim, the rim of the shell crimped within the curled rim of said plate to thereby secure the body and shell to each other, and the said plastic body provided with a chamber to receive the prong of a fastener.

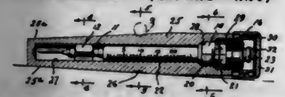
2,254,448
HOPPER VIBRATOR
Harold R. Pursel, Philadelphia, Pa., assignor to The Allen-Sherman-Hoff Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 17, 1940, Serial No. 335,803
3 Claims. (Cl. 259—39)



1. In a hopper having walls and a bottom outlet opening and a plate pivotally supported in said hopper above said bottom outlet opening, a rod secured to said plate and extending freely through an aperture in a hopper wall, a flexible diaphragm carried by said hopper wall, rigid connections between said diaphragm and said rod, and means, disposed externally of said diaphragm, for imparting vibratory movement to said rod and diaphragm, said last named means including a self contained vibrating unit connected to impart vibratory movement to said diaphragm and a flexible supporting strap secured at one end to said hopper wall and adapted

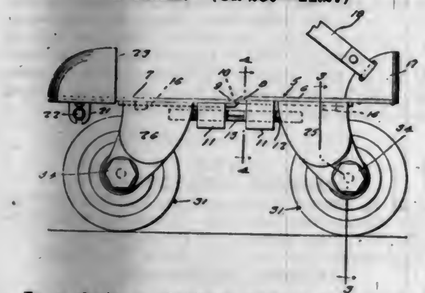
to carry the weight of the vibrating mechanism without restricting the vibratory movement thereof.

2,254,449
INJECTION SYRINGE AND PROTECTIVE SHEATH
Richard E. Rasmussen, Grosse Pointe Park, Mich.
Application August 29, 1940, Serial No. 354,625
2 Claims. (Cl. 128—220)



1. The combination with a conventional syringe, of a micrometrical unit adapted to limit the stroke of the syringe plunger, said unit comprising a short calibrated bushing having a bore adapted to telescope one end of the syringe barrel, external threads near the free end of said bushing, and an internally threaded cap member adapted to cover the free end of said bushing, there being calibrations on the rim of said cap arranged to co-operate with the calibrations on said bushing.

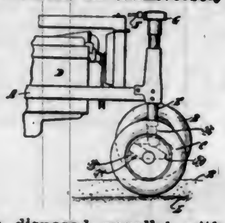
2,254,450
SKATE
Theodore R. Ronish, Cheyenne, Wyo.
Application January 25, 1940, Serial No. 315,587
1 Claim. (Cl. 280—11.27)



In a skate, a platform having four groups of slots therein, some of the slots of each group being arranged in an arcuate row and the other slots of the group being arranged in a straight longitudinally extending row, a pair of front wheel carrying members separate from each other, a pair of rear wheel carrying members separate from each other, each member having its upper portion formed of two walls, one wall being straight and the other wall being of arcuate shape, the upper end of each wall having upwardly extending tongues thereon, the tongues of the straight wall fitting in the slots arranged in a line and the tongues of the arcuate wall fitting in the arcuate row of slots, the tongues being riveted to the platform and wheels rotatably arranged between the wheel carrying members of each pair.

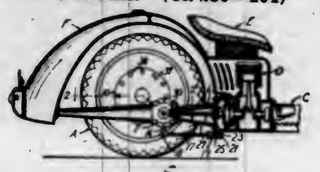
2,254,451
MOUNTING FOR VEHICLE WHEELS
Adolph Ronning, Minneapolis, Minn.
Application July 15, 1938, Serial No. 219,369
26 Claims. (Cl. 280—87)

1. Mounting means for the steering wheels of a vehicle comprising a turnable supporting member at the front end of the vehicle, arm elements movably extended in opposite longitudinal directions from separate bearings in the supporting member and having freedom for interdependent opposite movement in transversely spaced ver-



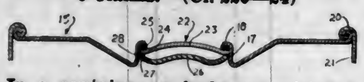
tical planes disposed parallel with each other and with respect to the direction of travel, and axles extended from the said arm elements for engagement in the wheels.

2,254,452
VEHICLE WHEEL MOUNTING
Adolph Ronning, Minneapolis, Minn.
Original application March 2, 1939, Serial No. 259,361. Divided and this application April 18, 1940, Serial No. 330,344
7 Claims. (Cl. 280—104)



1. A vehicle wheel mounting comprising a frame, a pair of wheels, a pair of crank members having spindles for carrying the vehicle wheels, the said crank members being pivotally connected at corresponding ends to the frame for up and down movements relative to said frame, a cross member mounted on the frame for longitudinal sliding movements and for oscillating movements at its ends toward and away from the crank members, means connected between the crank members and the ends of the cross member for differentially connecting the crank members to thereby cause relatively opposite up and down movements thereof, as the wheels travel over irregular surfaces, and means for normally and yieldably urging the cross member away from the crank members.

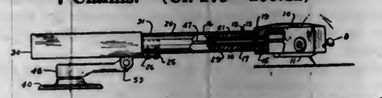
2,254,453
CONTAINER
Max Scharmett, Ansonia, Conn., assignor to George E. Scharmett, Ansonia, Conn.
Substituted for abandoned application Serial No. 197,996, March 25, 1938. This application January 15, 1941, Serial No. 374,527
6 Claims. (Cl. 220—24)



6. In a container, a body comprising a neck portion having a pouring opening surrounded by an inturned bead, a compressed gasket seated against the inner surface of said bead, a rigid metal disc member at the inner side of said gasket and pressing the same against the bead and including a portion closing said pouring opening, means located inwardly of said portion closing said pouring opening and holding the member

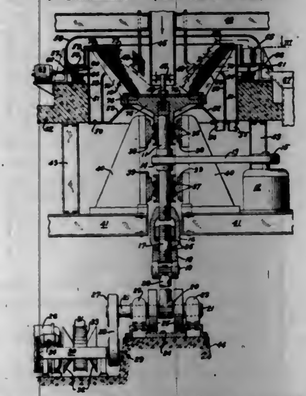
in position to maintain the gasket compressed, said means including a peripheral portion which normally has a snug fit in said neck portion, said means including a portion normally concavo-convex in cross section, and said last named portion forced out of normal whereby the diameter of the means is increased and the periphery thereof forced into locking engagement with the inner surface of said neck portion.

2,254,454
ELECTRIC PHONOGRAPH PICKUP
Charles E. Semple, Jr., and Frank J. Malat, Youngstown, Ohio, assignors to The Astatic Corporation, a corporation of Ohio
Original application July 8, 1937, Serial No. 152,550, now Patent No. 2,182,138, dated December 5, 1939. Divided and this application July 5, 1939, Serial No. 282,876
7 Claims. (Cl. 179—100.41)



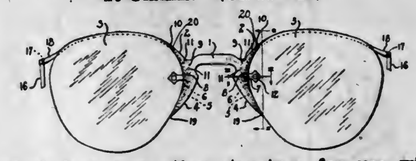
1. A pick-up arm comprising a swingably mounted tubular member, a hollow head having a shank fitting within the free end of said member, a translating device within said head, a bushing secured within said tubular member, the outer end of said bushing being provided with a cut-away portion, a tube having one end rigidly fastened to said head, said tube being rotatable in said bushing and having its other end swaged over to engage the opposite end of said bushing, a pair of circumferentially spaced pins in said shank extending in a direction parallel with the axis of rotation of said head and adapted to engage the adjacent end of said bushing, one of said pins being provided with spring means to urge the same outwardly, one shoulder of said cut-away portion being inclined whereby the spring pressed pin may override the same.

2,254,455
CONTINUOUSLY OPERATING CENTRIFUGE
Arthur E. Sorenson, Crockett, Calif.
Application February 4, 1939, Serial No. 254,627
7 Claims. (Cl. 210—68)



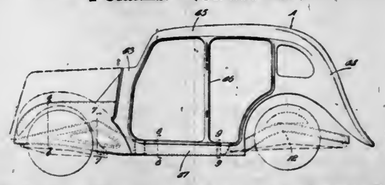
1. In a continuously operating centrifugal machine of the character described, the combination of a centrifugally operating receptacle having a conical outwardly flaring perforate side wall through which a filtrate may pass, means disposed centrally of said receptacle for introducing a solution containing solids for separation, a driving means for rotating said receptacle at an operative speed about a vertical axis, the degree of flaring in the side wall of said receptacle being so proportioned that the introduced solids of said solution will not slide thereover under the influence of centrifugal force alone, a second driving means operating independently of said first driving means for imparting a positive up and down movement of uniform magnitude to said receptacle in a direction parallel to its axis and irrespective of its speed of rotation, whereby the solids introduced into said receptacle will be discharged therefrom at a uniform rate with a jogging movement while said receptacle is in rotation.

2,254,456
OPHTHALMIC MOUNTING
Edward M. Splaine, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application October 6, 1939, Serial No. 298,297
10 Claims. (Cl. 88—41)



2. A lens supporting structure for use with lenses comprising a bridge member having depending side portions formed with channels shaped to embrace the adjacent edges of the respective lenses, lens holding means having a portion shaped to overlie the edges of the lenses lying within said channels and having portions shaped to overlie at least one side surface of the lenses and adapted to be secured thereto, relatively long and slender temple supports shaped to follow substantially the upper contour edges of the lenses when in assembled relation therewith attached to the bridge member and having portions extending downwardly from said points of attachment with said bridge member and secured to the portion of the lens holding means lying within said channels.

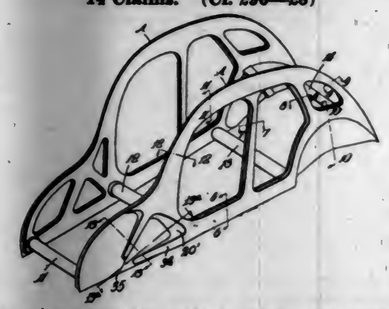
2,254,457
VEHICLE
William Swallow, Headington, Oxford, England, assignor to Pressed Steel Company Limited, Cowley, Oxford, England, a British company
Application April 4, 1938, Serial No. 199,826
In Great Britain April 9, 1937
4 Claims. (Cl. 296—28)



1. A vehicle built up of an underframe structure, a floor and a body structure which in combination present a principal load carrying framework of closed section members, said body comprising a cowl, the underframe structure including outwardly presenting channel shaped longitudinal side members extending from end to end

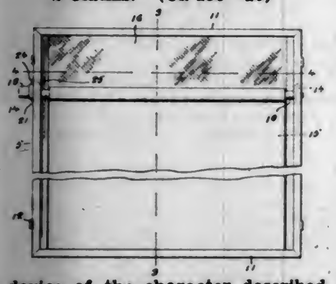
of the vehicle, said longitudinal side members being of increased height for a portion of their length, the height being greatest at a point in the region of said cowl, the webs of said longitudinal side members in the region of increased height being apertured and flanged to present a bifurcated outwardly presenting channel section member which is closed by the lower marginal portion of the body side wall panel.

2,254,458
VEHICLE
William Swallow, Headington, Oxford, England, assignor to Pressed Steel Company, Limited, Cowley, Oxford, England, a British company
Application May 31, 1938, Serial No. 210,900
In Great Britain June 11, 1937
14 Claims. (Cl. 296—28)



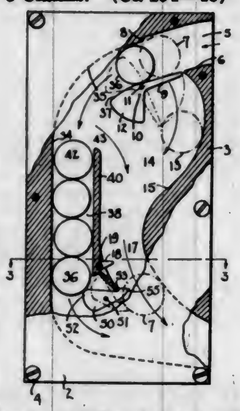
1. An automobile body in which are provided complementary inner and outer sheet metal panels or stampings having a plurality of openings therein to form a lattice girder and each having a plurality of hollow section portions which are arranged to have their open sides face each other when assembled together, the inner and outer panels or stampings extending both to the end of the automobile and forming the side wall of a motor compartment.

2,254,459
RADIATOR PROTECTOR
Frank Swanda, Schuyler, Nebr.
Application June 20, 1939, Serial No. 280,197
2 Claims. (Cl. 156—10)



1. A device of the character described, comprising, a frame having side members fashioned with vertically extending slots and upper and lower cross members connecting said side members together in spaced relation, rack bars carried within said frame adjacent said slots, a rotary shaft operable within said slots, pinions fixed on said shaft and meshing with said rack bars for effecting simultaneous rotary and vertical movement of said shaft within said slots, a curtain connected to one of said cross members and to said roller shaft and windably operable with the latter to raised and lowered positions with respect to said frame, and a sleeve axially movable on and forming a bearing for said roller shaft and equipped with a detent extending through one of said slots and normally engaging one of said pinions and the walls defining said last-mentioned slots to maintain said roller shaft in adjusted position relative to said rack bars, said sleeve manually and axially movable on said roller shaft to effect release of said detent from said pinion whereby to permit rotary and vertical movement of said roller shaft, relative to said rack bars by said sleeve.

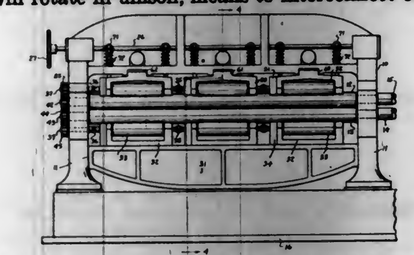
2,254,460
COIN CONTROL DEVICE
Charles A. Toce, Robert F. Broussard, and Walter Holland, Houston, Tex., assignors, by mesne assignments, to International Vehicular Parking, Ltd., Washington, D. C., a corporation of Delaware
Application July 23, 1938, Serial No. 220,850
5 Claims. (Cl. 194—45)



1. In apparatus of the character described to be actuated by either a plurality of small coins or a single large coin, in combination, drive mechanism urged in one direction, restraining means therefor including a trigger mechanism, means to direct the larger coin into contact with said trigger mechanism to release said drive mechanism, means to retain one less than the required number of small coins, an entrance to said trigger mechanism for the next of said smaller coins so that said trigger mechanism also may be actuated thereby to release said drive mechanism, and means actuated by said next coin for releasing said coin retaining means.

2,254,461
ROLLER LEVELER
Russell T. Todd, Youngstown, Ohio, assignor to McKay Machine Company, Youngstown, Ohio, a corporation of Ohio
Application November 17, 1938, Serial No. 240,981
14 Claims. (Cl. 153—54)

1. In a machine of the character described, the combination of upper and lower series of metal working rolls arranged in offset relation to define a sinuous path of travel for material passing therebetween, a plurality of groups of rigidly supported back-up rolls positioned immediately above said upper series and immediately below said lower series and adapted to limit the outward flexure of said working rolls, a unitary housing rotatably supporting each of the rolls of a group, means carried by each of the housings to interconnect each of the rolls of the group supported by the housing whereby the rolls of the group will rotate in unison, means to interconnect cer-



tain of the rolls of the different groups whereby all the back-up rolls will rotate in unison, and means to drive certain of said back-up rolls in accordance with the speed of rotation of the working rolls, said means mechanically interconnecting certain of said back-up rolls with certain of said working rolls.

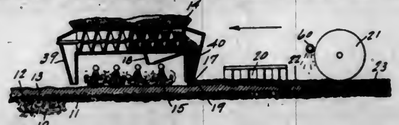
2,254,462
METHOD OF CREATING DEPTH AND TEXTURE EFFECTS IN ANIMATED CARTOONS
Mary Louise Weiser, Los Angeles, Calif., assignor to Walt Disney Productions, Los Angeles, Calif., a corporation of California
Application November 21, 1939, Serial No. 305,480
6 Claims. (Cl. 41—21)



1. In a method of creating effects of depth and texture in ornamentation, adapted for use in animated cartoon work, the steps of: forming an image of a desired object on a sheet of transparent material by applying substantially opaque paints of desired colors to the rear of such transparent sheet, the edges of said paints forming the outlines of elements of the objects; modifying the color image thus obtained by placing a separate sheet of transparent material over the front of said image, and applying a color-bearing material to said second sheet along desired areas of the underlying image to form discontinuously associated translucent modifying areas adapted to impart depth to the underlying image.

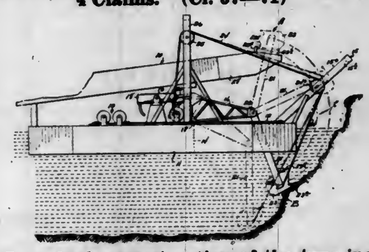
2,254,463
MEANS FOR CONSTRUCTING AND RECONSTRUCTING ROAD SURFACES
Ira M. Wells, Oakland, and Howard A. Olds, San Francisco, Calif., assignors to Spears-Wells Machinery Company, Inc., Oakland, Calif., a corporation of California
Application June 13, 1939, Serial No. 278,846
10 Claims. (Cl. 94—39)

1. A road conditioning machine comprising a vehicle, heating means for heating the surface of a road and rendering the material thereof into a semi-fluid mass and supported by said vehicle; and aggregate distributing means comprising a distributing drum mounted in a plane above said heating means and extending longitudinally thereof and having outlets at the front, middle and rear and supported by said vehicle for dis-



tributing aggregate over said surface along the path of said heating means and selectable at will as to the point of distribution for distribution in advance of, within the confines of, or following said heating means, to compensate for variations in the physical characteristics of said aggregates and for atmospheric conditions.

2,254,464
DREDGE
Byron E. Wheeler, Greenfield, Mo.
Application February 6, 1940, Serial No. 317,585
4 Claims. (Cl. 37—71)



1. In a dredge construction of the type including a floating base having a dredging wellway therein, the improved means for mounting the dredging bucket which comprises an obliquely outwardly extending gantry mounted on said base across the open end of said wellway; a boom, swingable about a horizontal axis mounted at its proximal end on said base near the closed end of and movable into a position overlying a major portion of said wellway; a jib, mounted on the distal end of said boom, vertically swingable within said gantry into said wellway; a dredging bucket on the free end of said jib; cable guides on parts of said gantry nearest the path of movement of the bucket; operating cables extending over said guides; and outwardly projecting lugs on the sides of said bucket attached to said cables whereby when said bucket is raised through said gantry the cables are raised from the guides and are returned thereto when the bucket is lowered.

2,254,465
COW TAIL HOLDER
Edwin Albert Wodrich, Alden, Minn.
Application August 28, 1939, Serial No. 292,334
1 Claim. (Cl. 119—105)

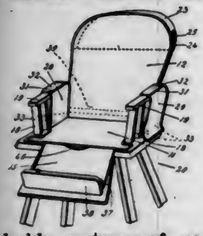
A cow tail holder including a tubular body formed of soft resilient material, there being a slit extending longitudinally of the opening and from said opening to the outer surface of the body, opposed walls of the slit diverging inwardly along curved lines and merging into opposed portions of the wall of the opening, and separate independently flexible spring means embedded within the body and extending around the open-

ing to points adjacent to opposed walls of the slit, said body being constructed to flex longitudinally and to open at the slit against the action of the spring means to receive the tail and a portion of the leg of a cow, the rounded



walls of the slit constituting means for gripping the leg of the cow when the holder is released, said separate spring means operating independently to compress adjacent portions of the body about the engaged parts.

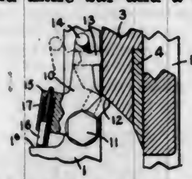
2,254,466
HIGH-CHAIR PAD
Lisa Albert, New York, N. Y.
Application April 15, 1938, Serial No. 202,161
3 Claims. (Cl. 155—182)



1. A detachable waterproof pad for an infant's high chair comprising a cushioned seat section, a cushioned back section permanently attached to the rear of said seat section, and a pair of side arm sections permanently attached to the sides of said seat section, each side arm section comprising side, cushioned top, and outside sections, and means for detachably affixing the side arm and back sections to the chair to prevent accidental dislocation thereof, whereby the entire pad may be inserted on the chair and secured thereon and capable of cushioning the exposed parts of the chair which come in contact with the infant.

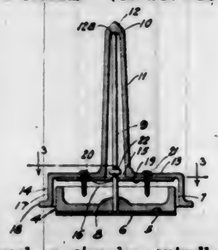
2,254,467
SAFETY KNIFE BAR LATCH FOR PAPER CUTTERS
Freeman Barney, Spring Lake, Mich., assignor to The Challenge Machinery Company, Grand Haven, Mich., a corporation of Michigan
Application August 19, 1940, Serial No. 353,184
5 Claims. (Cl. 192—131)

1. The combination with a paper cutter having a frame, a knife bar and knife and means for actuating the knife manipulated by one hand of the operator, of a safety latch comprising a body pivoted to said frame adjacent the path of the knife bar, a shoulder on said body adapted to move under the knife bar to prevent downward movement thereof, spring means acting to move said shoulder under said knife bar and a finger grip by



which the latch may be released from said knife bar under tension of said spring means.

2,254,468
KNITTING REEL
Albert L. Benson, Los Angeles, Calif.
Application April 30, 1941, Serial No. 391,151
4 Claims. (Cl. 242—130)



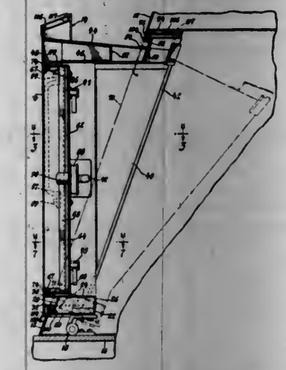
1. In a reel, a circular spindle base having around it a substantially vertical well, a spindle having a tapered upper end and upstanding from the central portion of said base, a tubular bobbin shaft loosely surrounding said spindle, said bobbin shaft having a closed upper end with an arcuate under surface with rests rotatably upon the tapered top of said spindle, a horizontally disposed circular plate supported by said bobbin shaft in an upwardly spaced relation to the top of the vertical wall which surrounds said spindle base, said plate having a depending skirt portion surrounding said vertical wall in an outwardly spaced relation thereto, said plate having attached to its under surface a cross wall member which is provided with a central bearing and guide aperture wherethrough said spindle extends with a loose working fit, said aperture being located concentric to said bobbin shaft, and a collar fixed to said spindle in a superjacent spaced relation to said cross wall member.

2,254,469
NONFLAMMABLE SOLVENT
Johan Bjorksten, Chicago, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
No Drawing. Application December 5, 1938, Serial No. 244,055
4 Claims. (Cl. 41—31.6)

1. In admixture with a flammable solvent comprising a lower aliphatic alcohol adapted for use in moistening master copies in direct process duplication, from 3% to 35% of mono-fluoro tri-chloro methane as a flammability reducing agent.

2,254,470
LOCOMOTIVE DOOR CONSTRUCTION
Martin P. Blomberg, Hinsdale, Ill., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 2, 1940, Serial No. 349,711
8 Claims. (Cl. 105—2)

1. In combination with a locomotive body having an opening formed in the front end thereof, a door frame movably supported in said opening, said frame having its outer surface arranged to extend substantially flush with the front end of the body when in retracted position, and being

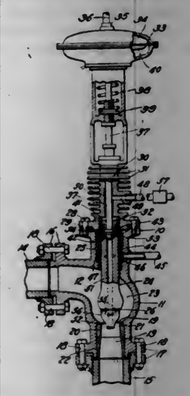


adapted when moved to extended position to project outwardly from the body to form an enclosure through which ingress or egress may be had to the interior of the body, and a door swingably mounted in said frame.

2,254,471
PROTECTIVE COMPOSITION
Domenico Cascio, Atlantic Highland, N. J.
No Drawing. Application October 10, 1939, Serial No. 298,850
11 Claims. (Cl. 106—15)

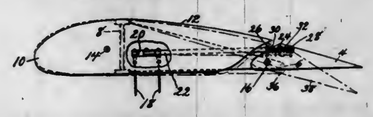
1. As a new product, sodium pyroantimonate silicate.

2,254,472
COMBINATION CONTROL AND QUENCH VALVE
Edward T. Dahl, Abington, Mass., assignor to Mason-Neilan Regulator Company, Boston, Mass., a voluntary trust of Massachusetts
Application April 28, 1939, Serial No. 270,596
18 Claims. (Cl. 251—29)



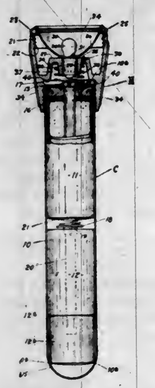
1. In a pressure fluid control valve having inlet and outlet passages with a control orifice therebetween, the combination with a valve plug movable relatively to said orifice for governing the flow of fluid through said valve and means for operating said plug, of a conduit for directing a stream of quench liquid into said orifice, at a point apart from its walls, in the direction of controlled fluid flow and substantially parallel to the orifice axis, and means for supplying quench liquid to said conduit.

2,254,473
AIRPLANE VIBRATION DAMPENER
George W. De Bell, Berwick, Pa.
Application January 16, 1935, Serial No. 2,089
22 Claims. (Cl. 244—75)



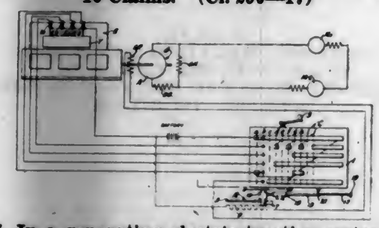
1. In a self-acting steadying device for members moving in a fluid, a main member capable of vibration, a control member, means connecting the control member adjacent the edge thereof to said main member for movement relative thereto, said control member being so constructed that its center of mass lies between said means and the main member and its center of pressure lies on the opposite side of said means from the main member, resilient controlling means connected to the control member and to the main member, said resilient means cooperating with the control member to permit vibrations of the member which oppose the vibrations of the main member.

2,254,474
FLASHLIGHT AND BATTERY UNIT THEREFOR
Cyril P. Deibel, Lakewood, Ohio
Application April 3, 1940, Serial No. 327,651
3 Claims. (Cl. 136—110)



3. A dry cell battery unit for flashlights comprising a metal shell, a plurality of dry cells slidably fitting within said shell in superposed relation and electrically connected with each other, one of said cells being grounded to said shell and the other cell or cells being insulated therefrom, the upper end of said shell being open and exteriorly threaded about its peripheral portion so as to detachably receive thereover a flashlight head, and means integrally connected with the upper end of said shell and extending inwardly thereof for holding said cells in place.

2,254,475
GENERATING ELECTRIC TRACTION CONTROL SYSTEM
Richard M. Dilworth, La Grange, Ill., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 31, 1940, Serial No. 338,005
10 Claims. (Cl. 290—17)



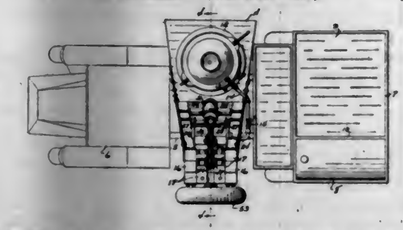
7. In a generating electric traction system for a vehicle, comprising a prime mover generator power plant, a traction motor electrically connected to the generator, generator output regulating means and a manually operable controller for controlling said output regulating means, said controller having resilient means opposing movement thereof with a force proportional to the change in generator output.

2,254,476
ELECTRIC CLOCK
Jesse E. Eshbaugh and Donald W. Randolph, Flint, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 13, 1939, Serial No. 261,492
13 Claims. (Cl. 58—28)



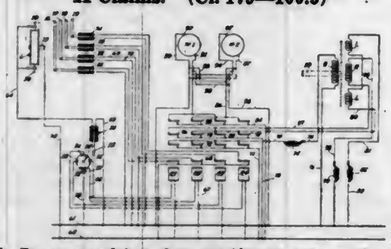
1. In a device of the type described, a thermionic tube having spaced electrodes, means for applying a potential across said electrodes to cause an electron flow, movable magnetic means located in juxtaposition to the tube whereby its position affects the electron flow, and an electromagnet supplied with current through said tube and located adjacent said magnetic means to cause movement thereof by changes in the magnetic strength caused by variations in the electron flow whereby periodic impulses are imparted to the movable magnetic means.

2,254,477
DEVICE FOR BREAKING PAVEMENTS
Tuliver L. Ferguson, Edwardsville, Ill.
Application July 27, 1940, Serial No. 347,979
4 Claims. (Cl. 262—15)



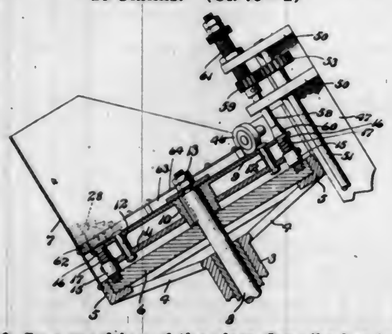
3. In pavement breaking apparatus, the combination of a wheeled carrier vehicle, guide means mounted on the said vehicle, a hammer slidable on the said guide means and movable toward and from a pavement, a reciprocable ram carried by the hammer having a pavement demolishing element, means for reciprocating the said ram, and a support member attached to and carried by the hammer adapted to engage the pavement when the hammer is in lowered position to steady the hammer during operation of the ram.

2,254,478
METHOD OF SOUND REPRODUCTION AND APPARATUS THEREFOR
Ferenz H. Fodor, Los Angeles, Calif., assignor to Regan-Day, Inc., Los Angeles, Calif., a corporation of California
Application January 16, 1939, Serial No. 251,200
11 Claims. (Cl. 179—100.3)



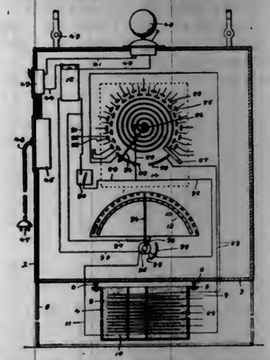
1. In a machine for continuous reproduction of sound from a strip of film bearing a plurality of sound recordings in parallel, spaced, longitudinal relation, the combination of: a sound reproducing unit including a light source and a reproducing pick-up, a unitary means for supporting and advancing film between said light source and pick-up, said unitary means being adapted to support areas of film adjacent each edge of said longitudinally extending recordings; vacuum means for holding said film in substantially static frictional contact with said supporting and advancing means and means for driving said supporting and advancing means in either direction.

2,254,479
BUTTON PROCESSING MACHINE
Leslie T. Foster and Max W. Reck, Muskegon, Mich., assignors to George Morrell Corporation, Muskegon, Mich., a corporation of Michigan
Application March 25, 1941, Serial No. 385,106
10 Claims. (Cl. 79—1)



10. In a machine of the class described, a hopper for receiving a plurality of buttons, each of said buttons having a plurality of openings therethrough across which between their ends are fins or thin partitions integral with the buttons, means for taking the buttons singly in succession away from the mass of the buttons, punches one for each of the buttons selectively removed having punch members equal in number to the number of holes in a button, means for locating the buttons with respect to the punches so that the punch members enter said holes, means for moving the punches combined with means for holding the buttons against movement away from the punch member to clear them of said fins or partitions, and means for thereafter ejecting the buttons from the hopper.

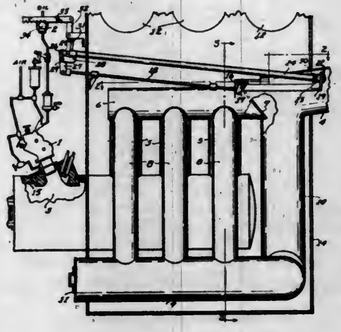
2,254,480
ADJUSTABLE CARBON MONOXIDE ALARM
Joseph J. Guaragna, South Boston, Mass.
Application March 9, 1939, Serial No. 260,829
2 Claims. (Cl. 177—311)



1. A combined detector and indicator device for the purpose set forth, comprising an electric circuit, a thermoelectric generator for energizing said circuit and including means for generating heat on the presence of deleterious gas, thermocouples connected with said means for receiving said heat generated thereby, said generator being adapted for greater sensitivity at higher temperatures than at low temperatures, and a sensitivity switch associated with the thermocouples for compensating the change from high and low sensitivity of the generator by an opposite change in the number of thermocouple connections therewith.

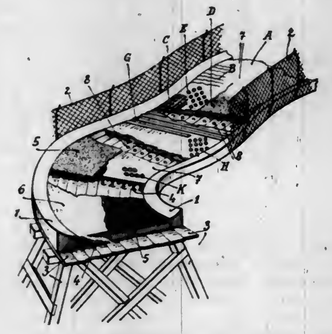
2,254,481
FURNACE
Romaine R. Harris, Portland, Oreg.
Application March 24, 1939, Serial No. 263,862
1 Claim. (Cl. 236—15)

A furnace comprising a conduit for the products of combustion, a by-pass for a portion of said conduit, a valve for said by-pass, said valve being adapted to open freely under a predetermined gas pressure within said conduit, and a thermostat adapted to hold said valve open when said furnace is cold, said thermostat being adapted progressively to allow said valve to close when said furnace is heated above a predetermined temperature, said thermostat being adapted progressively to reduce the fuel supply to said furnace when the temperature of the latter increases beyond a predetermined value, said thermostat comprising an outer element having a relatively high temperature coefficient of expansion and an inner element having a relatively low temperature coefficient of expansion, said inner element being ventilated to maintain



its temperature lower than that of said outer element, said outer element consisting of an inclined tube open at each end, each of said ends being outside said furnace.

2,254,482
ELASTIC ARTIFICIAL SKIING TRACK
Maximilian Heller, London, England
Application February 18, 1939, Serial No. 257,094
In Great Britain May 6, 1938
3 Claims. (Cl. 104—69)

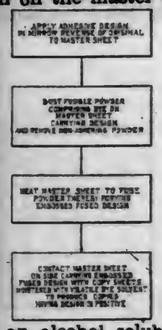


1. An elastic skiing track of the character described comprising a solid substructure, a sliding surface composed of a non-rigid, coherent material and possessing a low coefficient of friction, and resilient supports arranged between said substructure and said non-rigid sliding surface.

2,254,483
DUPLICATING PROCESS AND PREPARATION OF MASTER COPIES FOR USE THEREIN
Arthur L. Hess, Cincinnati, Ohio, and Johan Bjorksten, Chicago, Ill., assignors to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application June 29, 1939, Serial No. 281,764
13 Claims. (Cl. 41—31.6)

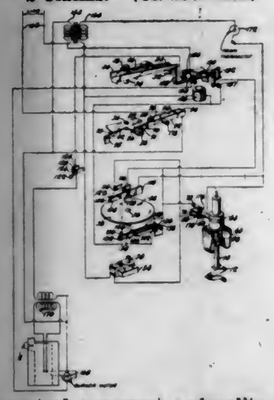
1. In a reproduction process wherein a solvent is used to transfer a design on a master sheet to a plurality of copy sheets, the step which consists in subjecting to heat sufficient to flow into

a coherent mass a fusible powder in the form of a raised design on the master sheet, said pow-



der including an alcohol soluble dye and urethan.

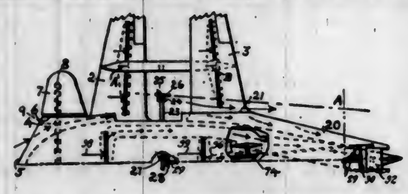
2,254,484
TEMPERATURE RESPONSIVE CONTROL
William H. Hutchins, Rochester, N. Y., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 26, 1937, Serial No. 127,819
2 Claims. (Cl. 200—138)



1. In a control, a support, a plurality of switches located thereon, rotatable means for operating a portion of the switches, relay means for operating a further portion, temperature responsive means for operating the remainder and separate mechanical interlocking means between the relay and temperature responsive means and one of the switches to alter and affect the operation of said last named switch by the rotatable means.

2,254,485
AIRCRAFT AND ITS CONTROL
Herbert Ellwood Irwin, Barons, Alberta, Canada
Application June 8, 1939, Serial No. 278,104
11 Claims. (Cl. 244—13)

1. An aircraft having wings supplied with lateral controls and a fuselage supplied with longitudinal controls, a control arm means pivotally suspending said control arm from near the fuselage's roof, means connecting said control arm with the said lateral and longitudinal controls, a pendulum arm means pivotally suspending said pendulum arm from the upper part of the control arm and provided with a weight at its lower end, a dial, an indicator finger, a connecting link member, a locking member secured to the lower portion of said pendulum arm, said connecting link member mounted on the lower part of the control arm and passing through said locking member, said indicator finger secured at the



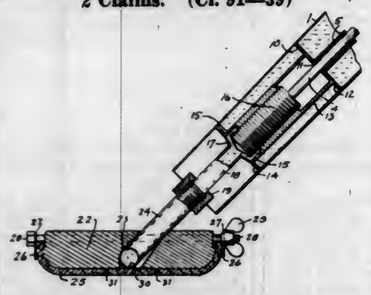
forward end of the connecting link member, said dial is located below and adjacent to the indicator finger and secured in a fixed manner to the aircraft for the purpose set forth.

2,254,486
UNIVERSAL COUPLING
Walter L. Kauffman, II, Erie, Pa., assignor to Lovell Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application October 7, 1938, Serial No. 233,836
6 Claims. (Cl. 64—6)



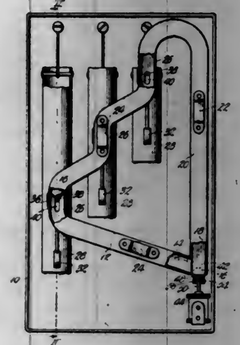
1. In a universal coupling, the combination of a member having a flat on at least one side, a coupling tube overlapping the end of the member, said tube having its walls of uniform thickness, and a depression extending axially from its end toward the center, the tube having a rib corresponding to the depression within the opening of the tube, a side wall of the rib forming a driving surface engaging the flat of the member.

2,254,487
FLOOR WAXING APPARATUS
Robert C. McCune, Tacoma, Wash.
Application June 10, 1940, Serial No. 339,717
2 Claims. (Cl. 91—39)



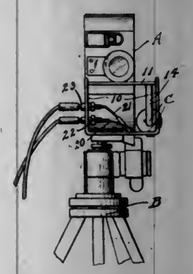
2. A floor waxing apparatus, comprising a block; a groove in the under side of said block; a cross-pipe mounted in said groove and having outlet holes in its lower wall; a central pipe communicating with said cross pipe and adapted to be removably attached to a liquid wax delivery pipe; an applying pad on the under side of said block; and means for releasably clamping said pad to said block.

2,254,488
SOUND PRODUCING APPARATUS
Milo F. Miller, Kansas City, Mo.
Application September 26, 1940, Serial No. 358,454
10 Claims. (Cl. 84—404)



1. Sound producing apparatus comprising a case provided with a passage and a return chamber therein; a ball freely movable along the passage and the return chamber; and a plurality of sound-producing members disposed at spaced apart points along the passage and adapted to be vibrated by movement of the ball past the said points.

2,254,489
CAMERA ATTACHMENT
Alton W. Morton, Salt Lake City, Utah
Application May 5, 1939, Serial No. 271,892
1 Claim. (Cl. 88—16)

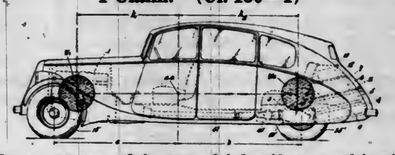


A control for cameras comprising a base plate to be secured onto the bottom of the camera; a U-shaped bracket at the front of said base plate; a lever pivotally suspended from said bracket having a finger extended from one side to engage the trigger of the camera and hold it down as desired; a solenoid mounted on a bracket adjacent said base plate with the solenoid to actuate said lever when electrical current is passed through the solenoid; a battery box carrying electrical batteries; wires connecting the batteries in the box with the solenoid and with a switch; and a manually controlled switch connected with said wires to complete the electric circuit and actuate the solenoid as desired permitting the camera to run as long as the switch is held open.

2,254,490
LUBRICANT
John M. Musselman, South Euclid, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application July 7, 1939, Serial No. 283,251
6 Claims. (Cl. 252—34)

1. A lubricating oil containing a small amount of a diaryl ethylenediamine compounds of a halogenated carboxylic acid having at least six carbon atoms.

2,254,491
MOTOR VEHICLE
Maurice Olley, Pleasant Ridge, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 2, 1933, Serial No. 683,239
1 Claim. (Cl. 180—1)



In a power driven vehicle the combination comprising a frame, a vehicle wheel, a wheel carrier, a pair of links for connecting the wheel carrier to the frame pivotally connected at one end to said frame one above the other so as to be capable of swinging only in a vertical plane about parallel axes fixed with respect to the frame but incapable of movement relatively to the frame in any other direction, said links being pivotally connected to the wheel carrier to form with the wheel carrier and the frame an articulated quadrilateral, and a frictionless helical compression spring interposed between one of said links and the frame so as to oppose the vertical swinging motion of the links, said spring being freely movable laterally substantially over its entire length and being secured against lateral displacement at its ends with respect to the frame and the link, respectively.

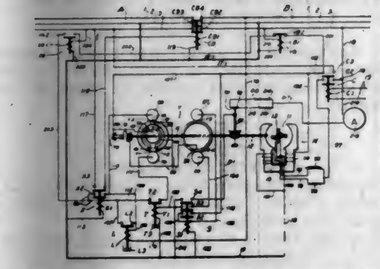
2,254,492
METHOD OF REMOVING FOREIGN MATTER FROM METAL ARTICLES
Gilbert H. Orozco, East Cleveland, Ohio, assignor to Gilron Products Co., Cleveland, Ohio, a corporation of Ohio
No Drawing. Application September 3, 1938, Serial No. 228,451
2 Claims. (Cl. 141—1)

2. The method of removing foreign matter such as greasy substances, superficial carbon, wax and soaps from a metal article comprising heating the article for a predetermined period by immersion in a bath of oil for a sufficient time to raise the surface of the article to a temperature materially above the boiling point of water, and immediately thereafter quenching the article by dipping the article in an aqueous alkaline detergent bath heated to about the boiling point of said bath.

2,254,493
SYNCHRONIZING APPARATUS AND SYSTEM
Erick Pearson, Chicago, Ill.
Application August 19, 1931, Serial No. 558,025
Renewed August 17, 1938
34 Claims. (Cl. 171—118)

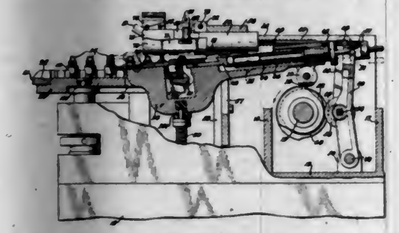
24. In combination with two alternating-cur-

rent circuits and a switch for connecting the circuits, control means for said switch including relay means, means for effectively energizing said relay means in accordance with the voltages incident to said circuits only when said circuits



are energized for effecting the closing of said switch under predetermined electrical conditions, and means operatively associated with said first means and said switch for effecting the closing of said switch when only one of said circuits is energized.

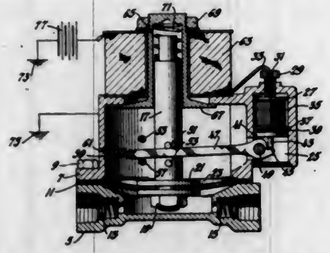
2,254,494
SPARK PLUG
Hector Rabezzana, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 20, 1940, Serial No. 336,156
14 Claims. (Cl. 219—4)



1. In a machine for welding loop electrodes to spark plug shells, an inclined bar adapted to receive a loop electrode and down which said electrode may slide; a reciprocating welding member having an anvil portion arranged adjacent the lower end of said bar and adapted to receive a loop electrode fed thereto by said bar; means for operating said welding member to grasp a loop electrode supported by said anvil portion between said member and the lower extremity of said inclined bar; a reciprocating lifting member; and means for moving said member to cause a spark plug shell carried thereby to engage both the free ends of said electrode.

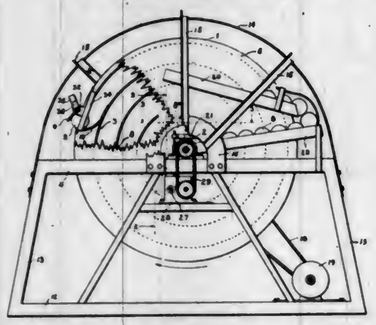
2,254,495
PUMP
Donald W. Randolph and Robert H. Bigler, Flint, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 4, 1938, Serial No. 199,758
3 Claims. (Cl. 172—126)

1. In a machine, a movable member, a stem secured thereto, a solenoid having an armature, said armature being rigid with said stem, means constituting an electric circuit and including a pressure sensitive resistor stack to energize said solenoid, means movable in response to movements of said member to intermittently compress and release said stack whereby said stem and movable member may be moved in one direction when the stack is compressed and other means to move said member in the opposite direction when



the stack pressure is released, said other means comprising a second solenoid operable upon said stem and a second stack, said stack compressing means compressing the second stack when its pressure is released from the first stack.

2,254,496
MECHANICAL PROJECTOR
Joseph E. Scally, St. Louis, Mo.
Application November 15, 1939, Serial No. 304,512
15 Claims. (Cl. 124—6)

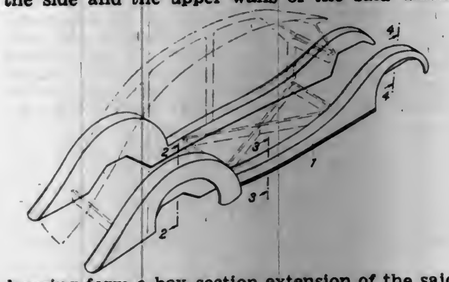


1. In game apparatus of the class described having a propeller and means for continuously rotating the propeller at a substantially constant speed, holding and releasing means for a projectile comprising a gate hinged on the extremity of the propeller for retaining a projectile, a reciprocating latch mounted on the propeller and engaging the gate, and timing mechanism for moving the latch automatically to release the gate at a predetermined point in a circle of rotation of the propeller during a certain rotation in each cyle which includes a predetermined plurality of rotations of the propeller.

2,254,497
SELF-SUPPORTING VEHICLE BODY FRAME OR CHASSIS FRAME, PARTICULARLY FOR AUTOMOBILES
Kurt Schäfer, Berlin-Eichkamp, Germany, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 11, 1939, Serial No. 283,726
In Germany July 16, 1938
7 Claims. (Cl. 280—106)

1. A vehicle with a box-section longitudinal side frame member and a wheel housing, in which

the side and the upper walls of the said wheel



housing form a box-section extension of the said side member.

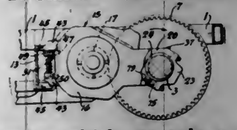
2,254,498
MAGNETIC DISPLAY DEVICE AND METHOD OF MAKING SAME
John H. Scharf, Omaha, Nebr., assignor, by mesne assignments, to Quixet, Inc., a corporation of Ohio
Application October 5, 1938, Serial No. 233,426
9 Claims. (Cl. 40—142)



1. The method of making a thermoplastic display indicium provided with a magnet adapting the indicium to be magnetically supported on a board of para-magnetic material which consists in the steps of molding or otherwise forming the indicium with a recess in its rear face, then inserting a metallic element in the recess of the rear face thereof, then surfacing the rear face of the indicium to produce a plane-aligned face, and then magnetizing the metallic element.

4. A display device formed of non-magnetic thermoplastic material comprising a thin-walled hollow structure including a display surface wall formed integrally with side walls defining the structure, said side walls having rear plane-aligned portions adapted to bear against a display board of para-magnetic material, a pair of spaced intermediate walls disposed transversely to said side walls defining a magnet cavity, and a bar magnet in said cavity with magnetic portions thereof approximately flush with said side wall plane-aligned portions, and means for securely retaining the magnet in said cavity.

2,254,499
SHIFTABLE MOUNTING FOR ELECTRIC VEHICLE MOTORS
Horace D. Seelinger, Highland Park, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 12, 1940, Serial No. 313,523
14 Claims. (Cl. 105—136)



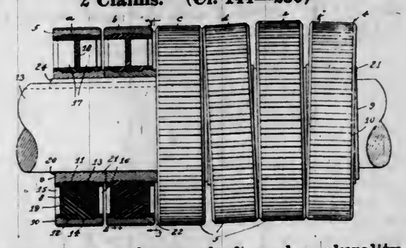
8. In a motor vehicle, an axle, a motor geared to the axle, means to mount the motor on the axle, eccentric bushings in said means, and means actuated by the axle to rotate said bushings to cause the disengagement of the geared connection of the motor with the axle.

2,254,500
HUMIDIFYING DEVICE
Paul F. Seibold, Newport, Mich.
Application January 7, 1937, Serial No. 119,460
Renewed June 29, 1940
2 Claims. (Cl. 237—78)



1. A humidifier to be conductively joined to a steam or hot water radiator embodying a conductor, a moisture absorbing element molded about said conductor, a porous core about which said ceramic element is molded forming a moisture collecting interior in communication with said conductor, and means for connecting said conductor to an opening provided in the radiator.

2,254,501
RESILIENT ROLLER
Peter A. Solem, Rockford, Ill.
Application October 7, 1938, Serial No. 233,715
2 Claims. (Cl. 144—250)

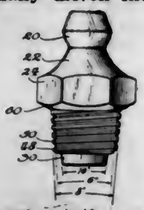


1. In combination, a shaft and a plurality of like resilient rollers mounted on said shaft and adapted to rotate therewith, each of said rollers comprising a hub member encircling the shaft, a rim member normally in concentric relation with the hub and an annular rubber core between and positively connected to the hub and rim to transmit drive resiliently from the hub to the rim while permitting universal deflection of the rim with respect to the hub under restraint of the compressed, stretched and otherwise distorted portions of the annular rubber core, said rollers being mounted side by side on said shaft with their hub members in contact and with their rim members as well as their cores in spaced substantially parallel relation, said core of each of said rollers having two series of circumferentially spaced transverse holes formed therein in opposite sides thereof of such size and number in relation to the radial width, diameter and thickness of the core to render said core susceptible of deflection under a predetermined load, the holes of both series terminating short of the middle of the core.

2,254,502
LUBRICATING APPARATUS
George F. Thomas, Riverside, and Joseph Bystricky, Chicago, Ill., assignors to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application September 30, 1935, Serial No. 42,746
13 Claims. (Cl. 285—25)

1. A lubricant receiving fitting comprising a

part for making a detachable connection with a source of lubricant under pressure, a shank part and a pilot part, said shank part and pilot part having a screw thread formed thereon, said thread being of such low pitch that the fitting may be longitudinally driven into the oil hole



of a bearing without rotation relative thereto, and said thread having a generally V form tapering at a sufficiently great included angle that the bearing part into which the fitting is driven will be swaged by the threads to form threads complemental to the threads on the fitting.

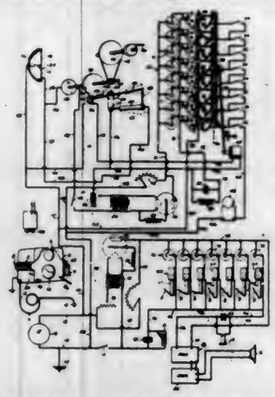
2,254,503
METHOD OF MAKING LUBRICATING APPARATUS
George F. Thomas, Riverside, and Joseph Bystricky, Chicago, Ill., assignors to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Original application September 30, 1935, Serial No. 42,746. Divided and this application July 1, 1936, Serial No. 88,270
10 Claims. (Cl. 29—157)



1. The method of securing metallic parts together which comprises forming a number of turns of a low pitch thread having a tapering outer diameter on one part, hardening said threads, forming a cylindrical bore in the other part, and driving the parts together one into the cylindrical bore of the other by substantially rectilinear non-rotative relative movement causing each turn of the thread of the threaded part to swage complementary meshing turns of a continuous thread upon the other part, whereby the parts may be separated by unscrewing one relative to the other.

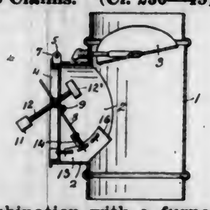
2,254,504
CALL RECORDING DEVICE
Adolph F. von Soden, Los Angeles, Calif., assignor of one one-thousandth to Corey R. Cheney, Long Beach, Calif.
Application November 23, 1938, Serial No. 242,004
3 Claims. (Cl. 179—5.5)

1. In a telephone calling number recording device, a sound diaphragm, an electric circuit contact means connected with said sound diaphragm for closing the electric circuit contact and to energize said recording device, a ground contact means connecting said electric circuit contact means, a printing means energized by said sound diaphragm and actuated by the passing current passing through said electric circuit contact means for printing the incoming calling numbers, a plurality of photo-electric cell means associated with said sound diaphragm and said printing means and energized by the passing electric current for sending out and receiving the electrical impulses passing through said electric circuit contact means so that the electric cur-



rent in its intensity which corresponds to the respective number or digit may be printed and recorded, and source of electric current supply connecting said recording device for supplying the electric current into said electric circuit contact means, of said device, substantially as described.

2,254,505
DRAFT REGULATING APPARATUS
Richard A. Walker, St. Joseph, Mo.
Application February 6, 1939, Serial No. 254,817
5 Claims. (Cl. 236—45)

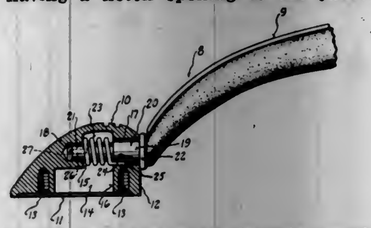


5. The combination with a furnace draft flue having an air relief opening, a damper supporting frame mounted at said opening, a draft responsive damper pivotally mounted within said frame, a dial plate calibrated in terms of draft attached to said frame and extending into said opening, an indicator carried by said damper and cooperating with said dial plate to indicate the draft, a manually adjustable damper mounted within said flue between said air relief opening and the discharge end of said flue, said manually adjustable damper being adjustable until said indicator registers with the desired draft calibration upon said dial plate, said draft responsive damper then operating to maintain said draft.

2,254,506
HANDLE
George H. Wheary, Jr., Racine, Wis., assignor to Wheary Trunk Company, Racine, Wis., a corporation of Wisconsin
Application September 27, 1940, Serial No. 358,687
4 Claims. (Cl. 16—126)

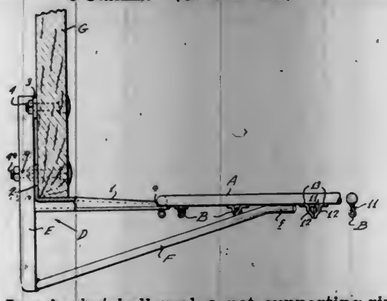
1. A handle of the character described com-

prising: a pair of substantially hollow supports secured to a wall, each of said supports having a socket consisting of endwise spaced inner and outer bores, the inner bore being of smaller diameter than the outer bore and the outer bore constituting the mouth of the socket, the axes of the sockets of the two supports being coaxial; a grip between the two supports; axially aligned trunnions projecting from the ends of the grip and received in the sockets, said trunnions having large and small diameter portions to fit the outer and inner bores of the sockets respectively, the large diameter portion of one of said trunnions having a notch opening to the juncture



between the large and small diameter portions of the trunnion, the wall of the support adjacent to the mouth of its small diameter bore having an anchor hole; and a torsion spring coiled about the small diameter portion of the trunnion and having its ends projected therefrom and received in said notch and anchor hole to thereby impart a torsional force on the trunnion to yieldingly urge the grip toward a predetermined position with respect to the wall on which the handle is mounted.

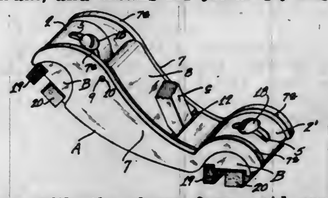
2,254,507
BASKETBALL GOAL
Frank Albach and George R. Chervenka, St. Louis, Mo., assignors to Fred Medart Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Application June 8, 1940, Serial No. 339,450
6 Claims. (Cl. 273—1.5)



1. In a basket-ball goal, a net-supporting ring, a plate connected to, and disposed approximately in the plane of the ring, and means including a strip connected to and projecting upwardly from the plate for securing the plate and ring to an associated bank.

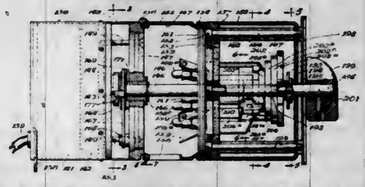
2,254,508
HONING TOOL
Harry B. Barrett, St. Louis, Mo., assignor to Barrett Equipment Company, St. Louis, Mo., a corporation of Missouri
Application August 14, 1939, Serial No. 290,039
12 Claims. (Cl. 51—204)

1. A honing tool comprising a body-member having a longitudinal axis adapted to intercept a segmental arc of the brake drum when the tool is in place, abrading means including honing-bars disposed upon the body-member for rockable movement about an axis transverse to the longitudinal axis of the body-member for engagement upon the circumferential face of a brake drum, and means for yieldingly engaging



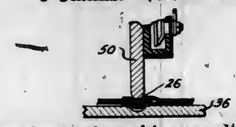
said bars with the drum face, said engaging means including a member hingedly attached to and upon the body-member, and a coiled spring interposed between said member and the body-member.

2,254,509
SEQUENTIAL CONTROLLER
Rex Earl Bassett, Jr., South Bend, Ind., assignor to Bendix Home Appliances, Inc., South Bend, Ind., a corporation of Delaware
Application November 12, 1938, Serial No. 240,163
6 Claims. (Cl. 200—33)



1. In a sequential controller mechanism of the type adapted to be plugged into a socket, the combination including supports a sectional shaft journaled for rotation thereon, means including a ratchet wheel on said shaft and pawl mechanism mounted on the first of said supports for driving said shaft with a step-by-step motion in a predetermined direction, a cam mounted on said shaft, said cam comprising a plurality of sections of varying outside diameters arranged so that the cam nearest one of said supports has the smallest diameter, and switch members arranged on said one support circumferentially of said cams and paralleling said shaft and arranged for operation by said cams.

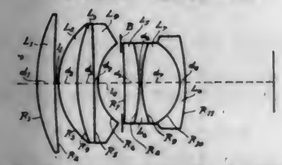
2,254,510
METHOD OF FORMING TUBULAR STRUCTURES
Robert Morris Bergstein, Cincinnati, Ohio
Application June 17, 1939, Serial No. 279,721
5 Claims. (Cl. 93—35)



1. A method of making multiple ply tubes wherein the inner ply at least is of heat-sealable material, which comprises continuously moving said plies along and securing them together with one marginal edge of the outer ply at least being unsecured to the superposed corresponding portion of the inner ply, continuously separating said unsecured edge and bringing said plies into tubular form by infolding said inner ply portion,

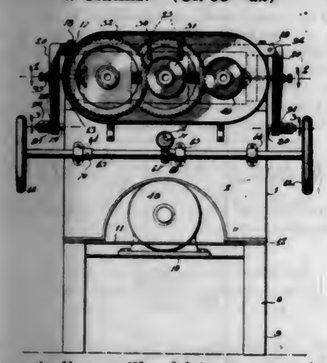
then folding an opposite edge of combined plies in to overlie said previously folded portion and thereafter folding in said first mentioned edge of the outer ply, adhesive having been introduced between under-surface of said edge and the corresponding surface it overlies when folded in.

2,254,511
PHOTOGRAPHIC OBJECTIVE
Ludwig Bertele, Dresden, Germany, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany
Application March 8, 1940, Serial No. 323,017
In Germany February 28, 1939
4 Claims. (Cl. 88—57)



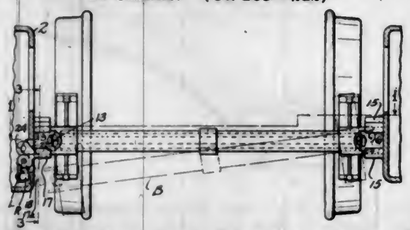
1. A photographic objective of large relative aperture comprising three axially aligned lens units separated from each other by air spaces, the front unit being a single collective lens, the center unit forming a meniscus curved toward said front unit which faces the subject to be photographed, and the rear unit being collective and being formed of four lenses all cemented together, the first and third lens of said rear unit being collective, while the second and fourth lens of said rear unit are dispersive, and are made each of a refractive material having a smaller refractive index than the refractive material of which the preceding first and third lens respectively of said rear unit are made, the first lens of said rear unit being arranged to face said center unit.

2,254,512
GRINDING MILL
Charles P. Brasington, Cincinnati, Ohio
Application November 2, 1938, Serial No. 238,385
2 Claims. (Cl. 83—12)



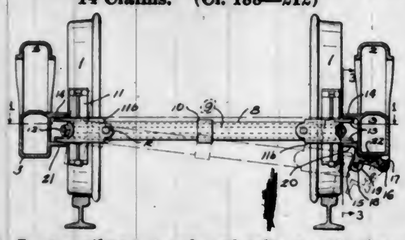
1. A grinding mill which is comprised of a plurality of grinding rolls having their axes residing in a substantially horizontal plane, frames at the opposite ends of the rolls, pairs of journals carried by the frames and rotatively carrying the rolls in series grinding relationship, with the journals at corresponding ends being interconnected into sets, means for driving the rolls at progressively increasing differential peripheral speeds and means for moving the journals of respective sets toward and away from one another in unison while maintaining a predetermined relationship between the relative positions of the rolls carried by the journals such that the widths of the grinding spaces intermediate the rolls is inversely related to the differential peripheral speeds.

2,254,513
RAILWAY TRUCK STRUCTURE
Edwin G. Busse, Chicago, Ill., assignor to Chicago Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application March 20, 1940, Serial No. 325,034
15 Claims. (Cl. 188—212)



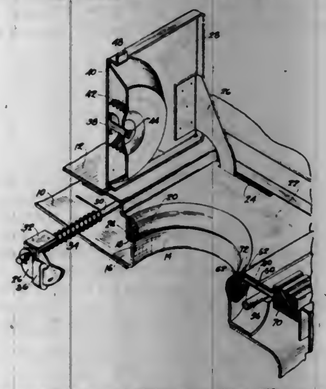
1. In a railway truck, wheels, a side frame, a brake beam, and a support for said brake beam comprising a bracket pivoted to said side frame and movable on its pivot into and out of functioning position in which it underlies a head on said brake beam and thereby supporting the beam and having its head engaging surface disposed at an angle to the horizontal to maintain the desired angular relation between the brake beam and the adjacent wheel during the application and release of the brake.

2,254,514
RAILWAY TRUCK BRAKE GEAR
Edwin G. Busse, Chicago, Ill., assignor to Chicago Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application December 26, 1940, Serial No. 371,655
14 Claims. (Cl. 188—212)



1. In a railway truck, wheels, a side frame, a brake beam including heads and shoes for application to said wheels, at least one end of said beam including an element projecting from the adjacent head towards said side frame, and a member for supporting and guiding said beam in its movement towards and from said wheels, said member being pivoted to the lower portion of said side frame and movable about its pivot into a functioning position where it underlies said brake beam projecting element or into a lowered position below said side frame in which it clears said projecting element to accommodate the application and removal of the beam to and from the truck, there being readily detachable means accessible from the exterior of said side frame for holding said member in functioning position.

2,254,515
WASHING MACHINE
Kendall Clark, South Bend, Ind., assignor to Bendix Home Appliances, Inc., Detroit, Mich., a corporation of Delaware
Application June 10, 1937, Serial No. 147,424
11 Claims. (Cl. 220—32)



3. A washing machine or the like comprising spaced members having alined openings and formed with flanges surrounding the openings and projecting toward each other and one of which encircles the other, a member of yielding material forming a seal between said flanges and having an upwardly-facing inclined seat for the opening through the inner flange, a door mounted on the top one of said members, and a closure yieldingly mounted on the door and engageable with said seat.

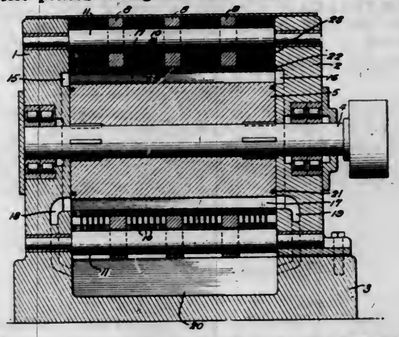
2,254,516
BEARING
Howard L. Farr, Olean, N. Y.
Application August 2, 1938, Serial No. 222,667
1 Claim. (Cl. 308—237)



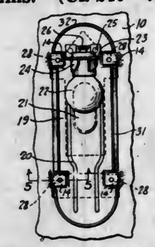
A bearing comprising a thin semi-cylindrical copper shell having a supporting body and a facing integral therewith, said body and said facing being of a hardness between ⅛ hard to hard by standard temper designation.

2,254,517
EXTRACTOR PRESS
William Gage Fleming, Memphis, Tenn.
Application October 3, 1939, Serial No. 297,755
2 Claims. (Cl. 100—47)

1. An extractor press having a press roll, an inner press cylinder arranged about the periphery of and concentric with the press roll and an outer press cylinder eccentrically mounted with respect to the press roll and inner cylinder, each cylinder being composed of a series of plates disposed circumferentially with slots therebetween to present a pressing and filtering surface for oily material contained between the cylinders, and a series of stationary partition plates interspersed at intervals between plates of the outer cylinder and having openings therein through which the press roll and inner cylinder extend and with the walls of which openings the inner cylinder contacts, said partition plates being also provided with feed passages connecting the spaces between adjacent partition plates and adjacent plates being connected by cross bars to deflect material being pressed from the space between one pair of divider plates through a feed passage to the space between an adjacent pair of partition plates.



2,254,518
LAMP ASSEMBLY
Burton S. Floraday, Toledo, Ohio, assignor to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan
Application July 27, 1938, Serial No. 221,481
3 Claims. (Cl. 240—7.35)

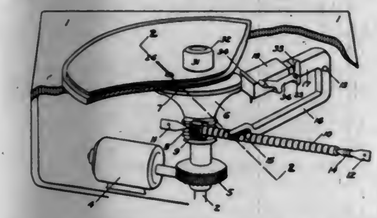


3. A lamp mounting comprising a mounting plate, a lamp unit including a sheet metal bracket plate, an inwardly inclined flange on opposite sides of said bracket plate, a lens having a flange on opposite side adapted to cooperate with said bracket flanges for enabling the lens to be engaged by a snap action, a pair of laterally spaced tongues at opposite ends of said bracket plate stamped therefrom and disposed in a plane substantially parallel to the body of the bracket plate and spaced therefrom substantially the thickness of said mounting plate, said mounting plate having cut-outs to receive said tongues whereby upon relative shifting movement between said plates the tongues overlap and frictionally engage the mounting plate side opposite from the bracket plate.

2,254,519
PHONOGRAPH RECORDING DEVICE
James R. Fouch, Inglewood, Calif.
Application July 17, 1939, Serial No. 284,811
2 Claims. (Cl. 274—13)

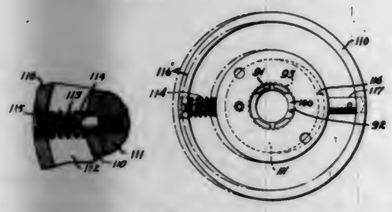
2. A recording apparatus comprising a rotatable table adapted to support a blank record disc, a member supported at the center of the table, extending above said disc, and provided with a cam surface, a lead screw, means for driving the

table and lead screw, a pivotally supported upwardly and downwardly movable arm having a shoe at the free end thereof engaging the threads of the screw for driving said arm toward or away from the axis of the table, a second arm movable with the first arm, a cutting head hingedly connected to the second arm and having a stylus adapted to rest on a record disc supported by



the table, abutment means cooperating with the cutting head and second arm for causing upward movement of the second arm after the cutting head rises a predetermined degree, and means on the cutting head adapted to engage said cam surface as the cutting head moves toward the axis of the table, to thereby successively disengage the stylus from the disc and the shoe from said screw.

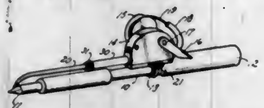
2,254,520
TURBINE GOVERNOR
John C. Garrott, Houston, Tex.
Application June 1, 1937, Serial No. 145,704
2 Claims. (Cl. 264—17)



1. An over-speed responsive governor comprising a body adapted to be fixed to a rotating shaft and having a cylindrical portion, a disc surrounding said cylindrical portion, said disc having an axial oblong opening of which the ends are respectively concentric and eccentric with the peripheral surface of the disc and of a width to slidably fit upon the body, a radial opening in the disc from the concentric surface in the oblong opening, a pin fixed to said body and slidably passing through the radial opening, a spring surrounding said pin and having its inner end in engagement with the disc, and means for adjustably compressing said spring to apply a force to hold the disc in concentric relation with the body at normal speeds.

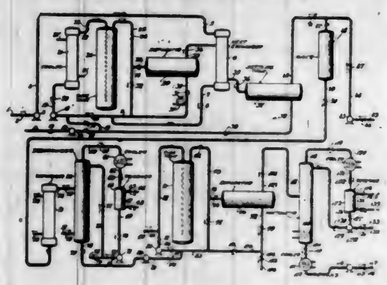
2,254,521
SOLDER FEEDER FOR SOLDERING IRONS
Howard J. Gardner, Hermosa Beach, Calif.
Application December 20, 1939, Serial No. 310,150
5 Claims. (Cl. 113—109)

1. A solder wire feeder for soldering irons which includes: a housing adapted to be attached to a soldering iron; a shaft extending transversely through said housing; an arm non-rotatably connected to said shaft within said housing; a foot pivotally connected to the free end of said arm and bearing against a portion of the solder wire within said housing, said foot having an arcuate bearing surface provided with serrations perpendicular to the axis of said solder wire; spring means urging said arm away from the tip of said iron; a thumb lever attached to said shaft outside of said housing and adapted to rotate said shaft and said arm; tubular guiding means for guiding said solder wire to said



housing; and a second tubular means for guiding said solder wire from said housing toward the tip of said soldering iron including a tubular collar threaded and split at its outer end and provided with a threaded ring for frictionally clamping a tubular member within said tubular collar, said tubular member being flared at its inner end and curved downwardly at its outer, forward end to guide said solder to the tip of said soldering iron.

2,254,522
CONVERSION OF HYDROCARBONS
Clarence G. Gerhold, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application March 8, 1939, Serial No. 260,494
3 Claims. (Cl. 196—10)

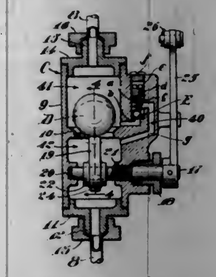


2. In the polymerization of olefins in the presence of sulfuric acid at polymerizing temperatures above atmospheric whereby there is formed a polymer liquid containing sulfuric acid esters and the polymer liquid boiled to vaporize lighter components thereof, the method which comprises supplying the heat for said boiling by direct introduction of steam to said liquid to prevent decomposition of the esters and then treating the liquid with additional steam in the presence of alkali to hydrolyze and separate said esters.

2,254,523
BRAKE CONTROL DEVICE
Mark S. Graves, Los Angeles, Calif.
Application October 17, 1938, Serial No. 235,373
2 Claims. (Cl. 251—132)

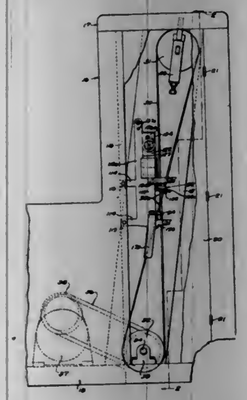
1. A valve for brake control systems embodying a housing having a passage leading therethrough, a valve seat intermediate the ends of said passage, a ball valve in said passage above said seat, a rock shaft extending through said housing into said passage below said seat, a finger on said shaft engageable with said valve to lift it from said seat, and a screw threaded connection between said shaft and valve housing on

which said shaft is turnable, and spring means for exerting a turning force on and holding said shaft



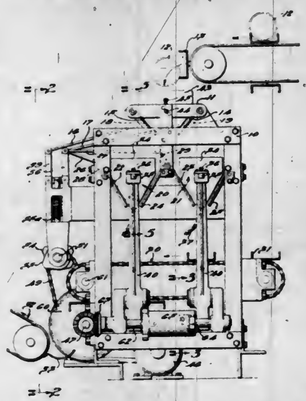
with the finger thereon holding the valve in its open position.

2,254,524
BAND BLADE SLICING MACHINE
William Walter Hartman, Los Angeles, Calif.
Application October 14, 1940, Serial No. 361,075
7 Claims. (Cl. 146—88)



1. A band blade slicing machine comprising a stationary frame, spaced blade supporting drums mounted for rotation on said frame, a multiplicity of tensed band blades running about said drums and providing between said drums a multiplicity of blade courses that run in spaced parallel slicing planes spaced transversely of the machine, a multiplicity of individual adjustable blade guides, one for each blade course, each of which has a guide slot adapted to receive a blade course and to constrain it to run in one of said parallel slicing planes, means supporting said individual guides for movement in a direction transversely of the multiplicity of blade courses in such a manner as to permit increase or decrease in the spacing interval between said guides, fixed blade guide means having blade guide slots of fixed spacing interval detachably mounted on said stationary frame in a position spaced longitudinally of the blade courses from said adjustable guides, so as to provide a slicing zone between said individual adjustable guides and said fixed blade guide means, said blade guide slots of said fixed blade guide means being adapted to receive said blade courses and to constrain them to run in said parallel slicing planes, and acting through the blade courses to stabilize the positions of said individual blade guides at a spacing interval corresponding to the fixed spacing interval of said guide slots in said detachable blade guide means.

2,254,525
MACHINE FOR MANUFACTURING COIL SPRINGS
Hubert B. Hathaway, Windsor, Ontario, Canada, and Bernard Heilman, Detroit, Mich., assignors to L. A. Young Spring & Wire Corporation, Detroit, Mich., a corporation of Michigan
Application September 18, 1939, Serial No. 295,352
10 Claims. (Cl. 219—11)

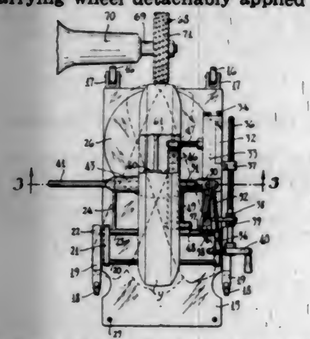


1. A machine adapted to effect the electrical heat treatment of individual coil springs and to cause said springs to assume their initial set, and including a distributing hopper adapted to receive untreated coil springs and to distribute said springs to heat-treating chambers, said hopper comprising an open top substantially V-shaped chamber having swinging sides, means for alternately swinging said side members in synchronism with the discharge of springs from the heat-treating chambers, a plurality of heat-treating chambers adjacent said hopper and adapted to receive springs from said hopper, electrodes in each of said chambers forming the terminals of an open electric circuit electrically connected with a source of electrical energy and adapted to be closed on contact of said electrodes by untreated springs, the closing of said circuit being adapted to effect heating of said springs by electrical resistance heating, control means for regulating the amount of electric current permitted to flow through said closed circuit, timing means for breaking said circuit after a predetermined heating interval, and means for discharging the treated springs from said treating chambers.

2,254,526
TIRE TREAD SHAPING AND TRUING MACHINE
Paul E. Hawkinson, Minneapolis, Minn., assignor to Paul E. Hawkinson Company, Minneapolis, Minn., a corporation of Minnesota
Application February 21, 1940, Serial No. 320,125
19 Claims. (Cl. 29—76)

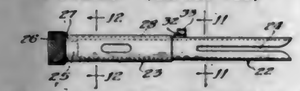
1. In a machine of the kind described, a support, a spindle mounted thereon, a sleeve rotatable on said spindle, a friction brake operative

to retard the rotation of said sleeve, and a tire-casing carrying wheel detachably applied to said



sleeve and rotatable with the rotary element of said friction brake.

2,254,527
HAIR CURLER
Walter H. Hermsdorf, Chicago, Ill., assignor to Chain Store Products Corporation, Chicago, Ill., a corporation of Delaware
Application April 14, 1939, Serial No. 267,740
7 Claims. (Cl. 132—33)



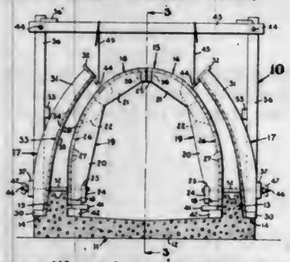
1. A hair curling device comprising, an outer sleeve-like member, an inner member, said inner member projecting beyond an end of said outer member, means for winding a strand of hair in coil fashion upon the projecting portion of said inner member, and a lug upon said outer member for carrying a hairpin thereon, said outer member being rotatable a sufficient degree relative to said inner member to move said hairpin to any desired circumferential position relative to said inner member after the coil of hair has been wound upon said inner member, said lug being arranged and constructed to spread the legs of the hairpin and to maintain said legs in spread relationship during longitudinal movement of said hairpin relative to said lug and to direct one leg of the hairpin between said inner member and said coil of hair during said longitudinal movement.

2,254,528
GOLF CLUB
William V. Hoare, Chicago, Ill.
Application September 21, 1939, Serial No. 295,903
8 Claims. (Cl. 273—77)



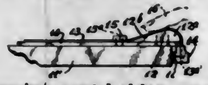
1. A golf-club having a metal-head with an outstanding blade having a transversely, rearwardly, upwardly, inclined, front, operative face adapted to engage the golf-ball when the club is swung in the usual manner during the playing of the game, the back of said club-head blade having a longitudinal groove extending practically the full length of such blade and open in effect the entire length of the back of said blade and also open at its opposite ends, thereby providing the part of such blade below said groove with a lower rib extended substantially the full length of the blade and supplying the part of such blade above said groove with a similar, essentially-full-length upper rib, said two ribs stiffening the blade adequately to preclude transverse distortion thereof during its engagement with the ball, the thin portion of the blade in register with said groove and between said ribs having at least its major portion of substantially-uniform thickness affording the club the required resiliency.

2,254,529
MONOLITHIC CONCRETE FORM
William H. Jenkins, El Monte, Calif.
Application November 25, 1938, Serial No. 242,315
6 Claims. (Cl. 25—131.5)



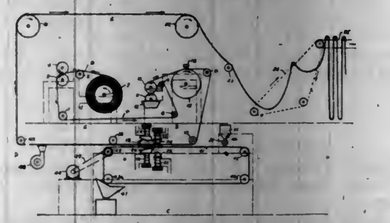
1. For use with an invert portion of a concrete conduit including spaced side return walls, an outer form including a pair of members each including a plurality of longitudinally spaced ribs, a longitudinal stringer member connecting the upper ends of said ribs at each side, said stringer members being spaced apart leaving an opening in the upper portion of the outer form, a longitudinal stringer member at each side adjacent the lower ends of said ribs and connected to the ribs, sheathing on the inner face of said ribs, vertically extending frame members connected to the rib members, transverse members connecting said vertical frame members, longitudinally extending members engaging the inner faces of said vertical members and engaging the outer faces of said rib members, and a crown member disposed between said pair of members.

2,254,530
FINGERPRINT CARD OR SHEET HOLDER
Edward Kessick, New York, N. Y.
Application October 2, 1940, Serial No. 359,351
11 Claims. (Cl. 41—4)



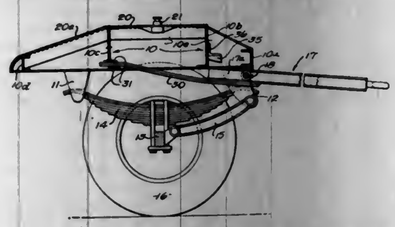
8. A fingerprint card holder, comprising a flat body, a fingerprint sheet guide and holding strip mounted on the front edge of said body, a support strip mounted on the top of said body at its front end and having a rounded front portion and a flat downward and rearwardly extending rear portion, a fingerprint sheet guide and holding strip mounted on said flat body to the rear of said support strip, and means for raising and lowering the front portion of said support strip for changing the inclination of the rear portion, comprising means for hingedly mounting the support strip at its rear end, and means for holding the front end of the support strip in various fixed positions, including screws and wing nuts which may be loosened to permit a change of the position of the support strip.

2,254,531
COATING APPARATUS
Henry P. Kirchner, Romie L. Melton, and Raymond C. Benner, Niagara Falls, N. Y., assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Application October 10, 1932, Serial No. 637,016
7 Claims. (Cl. 91—18)



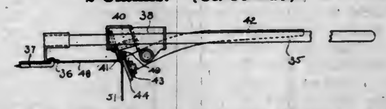
4. Apparatus for the manufacture of webs coated with oriented granular material comprising a magnet having oppositely positioned poles for producing a magnetic field therebetween, means for supporting a web between said oppositely positioned poles and within said magnetic field and nearer one of the said poles, said web being coated with an adhesive on that surface facing the more distant pole, and means for conveying magnetically susceptible granular material into the magnetic field adjacent the adhesively coated side of the web.

2,254,532
CONVERSION DOLLY FOR SEMITRAILERS
Garner L. Knox, Glendale, Calif., assignor to Utility Trailer Manufacturing Company, Los Angeles, Calif., a corporation of California
Application February 17, 1941, Serial No. 379,237
6 Claims. (Cl. 280—33.4)



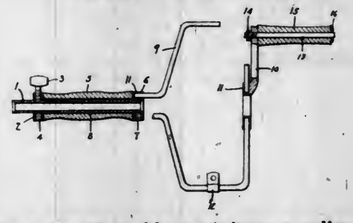
1. In a dolly adapted to be used with a tractor and a semi-trailer which has an upper fifth wheel surface at its forward end, the dolly having a pair of ground wheels and an axle, a frame on the axle, a lower fifth wheel adapted to engage the trailer fifth wheel, and a tongue connectible with the tractor and connected with the dolly in such manner that the tongue and lower fifth wheel have relative swinging movement in a vertical plane; the improvement which comprises a resilient element yieldingly resisting the relative swinging movement between the tongue and the lower fifth wheel, said element yielding to allow the fifth wheel to tilt downwardly at the rear under the weight of the trailer, and stop means acting between the tongue and fifth wheel to limit the rearward tilt of the latter.

2,254,533
CAN OPENER
Franz K. Krag, Chicago, Ill.
Application April 3, 1939, Serial No. 265,634
2 Claims. (Cl. 30—19)



1. As a new article of manufacture, a can opener including a handle, a slide carrier thereon, and a lever, said handle comprising a U-shaped rod having its arms parallel to each other, a cross member joining together the free ends of said arms, a centering pin carried by said cross member, the slide carrier comprising a sheet metal member formed to provide a top cross piece reaching between the arms of the handle, right angular end portions connected to said cross piece and having perforations to receive the rod arms aforesaid, side pieces between said right angular end portions, adapted to receive the lever therebetween, and the top cross piece having a downwardly extending central lug portion to support a cutting disk, whereby the lever support and the cutting disk support are located between the arms of the rod handle portion, together with the lever pivoted to said cross piece aforesaid, a roller pivotally mounted on the end of said lever, and the cutting disk pivotally carried by the downwardly extending central lug portion aforesaid, and lying between the handle rods and lying substantially parallel to the said lug portion, substantially as described.

2,254,534
FLEXIBLE CABLE CONTAINER
Jack L. Krieg, South Bend, Ind.
Application November 16, 1938, Serial No. 240,735
2 Claims. (Cl. 15—104.30)

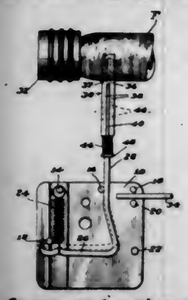


1. In a flexible cable container, a collar with outwardly bowed rods fastened thereto, means to manually rotate the collar, projecting laterally from said collar, the opposite ends of foresaid rods being fastened into another collar mounted and fastened on a pipe, said pipe having a revolvable handle mounted thereon, said pipe having another collar mounted and fastened near the pipe's outer end, a hole through said collar and pipe having internal threads having a set-screw mounted therein.

2,254,535
FILLING FEELER
Hector Lachance, Topsham, Maine
Application September 25, 1939, Serial No. 296,352
7 Claims. (Cl. 139—281)

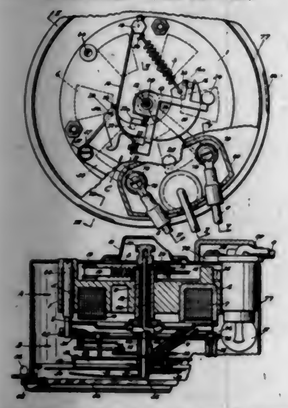
1. In filling feeler mechanism for looms which includes a filling feeler finger and means for mounting said finger upon a loom to project rearwardly toward the lay, permitting free floating bodily forward and sidewise movements of said

finger, said means including resilient means yieldingly opposing said movements of the finger and returning said finger to normal feeling position after departure therefrom, the combination of a filling detector tip carried by the finger and projecting rearwardly therefrom, detector means on said tip for engaging and gripping the filling in a shuttle advancing with the lay to maintain the finger against sidewise movement, means slidably connecting said tip to the finger to permit limited forward and rearward bodily movement of said tip and detector means



relative to the finger, and spring means operatively connected to the tip and the finger independently of said detector means to urge the tip rearwardly relative to the finger, the relation of the strength of said spring means to that of said resilient means being such that the filling advancing with the lay, engaging said detector means, moves the tip forwardly initially relative to the finger, said tip and detector means constituting the only parts of the feeler mechanism engageable with the filling in a shuttle advancing with the lay to cause forward movement of said finger.

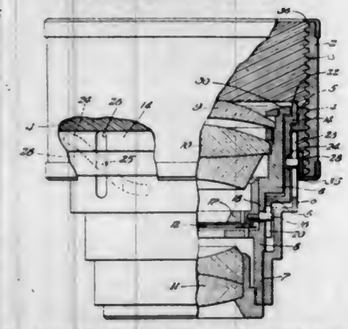
2,254,536
TIMING DEVICE
Fritz Loeffler, New York, N. Y.
Application June 25, 1937, Serial No. 150,294
5 Claims. (Cl. 58—41)



1. In a timing device, a motor having a stator and a rotor, a hollow shaft for rotatably mounting said rotor, a clockwork cooperating with said motor, a central shaft forming part of said clockwork in substantially axial alignment with said rotor shaft and carrying a time-indicating means at one end thereof, and means including a member fixed to the other end of said central shaft and a crank rotatably mounted in said rotor shaft and rotatably and slidably cooperating with said member for setting said time indicating means.

5. In a timing device in cooperation with a clockwork, a switch comprising contacts and a contact making and a contact breaking member, a single spring, a motor comprising a coil, a stator and a rotor for intermittently furnishing the energy to be stored in said single spring, said spring being floatingly suspended between said contact making and breaking members so that it causes the sudden closing of the contacts, the holding of the contacts in closed position during the rotation of the rotor through a predetermined angular distance, and the sudden opening of the contacts after said rotor has moved through said angular distance and the return of the rotor into starting position while driving the clockwork.

2,254,537
PHOTOGRAPHIC OBJECTIVE
Hubert Nerwin, Dresden, Germany, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany
Application June 24, 1939, Serial No. 280,899
In Germany October 10, 1938
8 Claims. (Cl. 95—64)

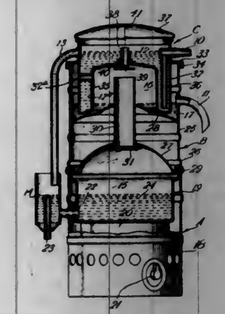


1. In combination with a photographic objective provided with a lens mount, an adjustable diaphragm, a rotatable diaphragm adjusting ring, a tubular member forming a sunshade attached axially adjustable to the outside of said lens mount, an inwardly extending annular shoulder at the rear end of said tubular member, and a member slidably supported on the circumference of said mount and operatively connected with said diaphragm adjusting ring by a pin and slot connection so as to be moved in axial direction of the objective when the diaphragm adjusting ring is rotated, said member being adapted to be engaged by the inwardly extending shoulder of said tubular member for limiting the movement of the latter from its retracted inoperative position to its operative position in which it projects beyond the front end of said objective mount.

2,254,538
STILL
Alexander I. Newman, Chicago, Ill., assignor to Precision Scientific Company, Chicago, Ill., a corporation of Illinois
Application July 13, 1939, Serial No. 284,310
4 Claims. (Cl. 202—189)

4. A still comprising, in combination, three generally tubular casing sections removably supported one on another in superimposed and axially alined relation, the upper casing section

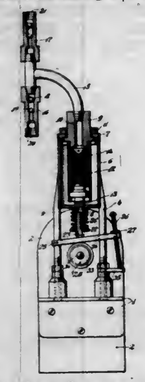
being of lesser cross sectional area than the intermediate section and nested down into the interior of the latter, the lower section having an evaporating pan therein, the intermediate section having vertically spaced upper and lower transverse partitions therein constituting respectively a distillate collecting pan and a top wall of an evaporating chamber above said evaporating pan with a heat insulating dead air space between said partitions, means for supplying raw water to said evaporating pan, an upstanding conduit extending centrally through said partitions to convey vapor from a point above the evaporating pan to a point above said distillate collecting pan, an upwardly concaved dome overlying the mouth of said conduit and joined at its



lower edge to the lower edge of said upper casing section to define an annular cooling water chamber about said dome, means for supplying cooling water to said annular chamber, said intermediate casing section having a distillate outlet therein located above the lower edge of said annular water chamber so that the latter is immersed in liquid distillate trapped in the distillate collecting pan below said outlet to cool such trapped distillate, the exterior of said upper casing section being spaced from the interior of the intermediate casing section, and means defining a cross-over passage through said dome and upper casing assembly for conveying vapor from the interior of the dome to the space between the walls of said upper and intermediate casing sections at a level above said distillate outlet.

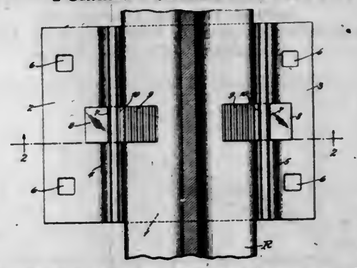
2,254,539
FLUID PUMP
William J. Mattox, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application May 18, 1939, Serial No. 274,363
4 Claims. (Cl. 103—165)

1. An apparatus of the class described comprising, in combination, an expansible and contractible cylindrical metal bellows, a liquid piston in said bellows, a rigid cylindrical member enclosing said bellows and fitted thereto, a reciprocating member slidably mounted within said cylindrical member, one end of said bellows being open and secured to said rigid cylindrical member and the opposite end being closed by and secured to said reciprocating member, a surge line, a closure for the upper end of said bellows having a port provided therein which communicates with the space within the bellows and with inlet and outlet valves through said surge line and means including a prime mover and adjustable-stroke linkage between the prime mover and said



reciprocating member for compressing and expanding the latter.

2,254,540
TIE PLATE AND RAIL ANCHOR
Moses L. Myer, University City, Mo., and Henry C. Myer, Denver, Colo.
Application April 20, 1940, Serial No. 330,684
4 Claims. (Cl. 238—349)

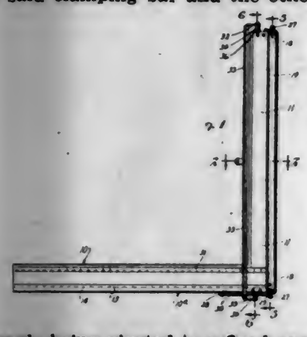


1. A railway tie plate and anchor comprising a plate having a rail seat of a width substantially equal to that of the rail base and defined by spaced vertical, upstanding shoulders on each side of the seat, with slots through the shoulders having at least one wall inclined downwardly and inwardly, and a resilient key of substantially uniform thickness extending through each slot clampingly engaging an inclined upper surface of the rail base and held in position by engagement of its upper surface with the upper edge of the slot nearest the rail and of its lower surface with the lower edge of the slot farthest from the rail at least one of said edges being formed by an inclined wall of the slot so that the edge comprises an angle substantially less than 90°.

2,254,541
SHEET GLASS TRIMMING DEVICE
Elmer E. Nordgren, Hastings, Minn.
Application May 23, 1940, Serial No. 336,740
5 Claims. (Cl. 33—76)

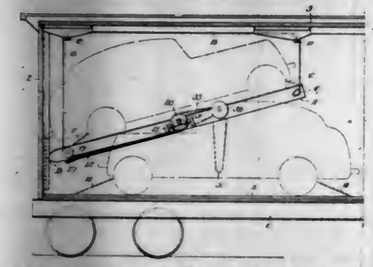
1. In a device of the kind described, a frame having a flat face adapted for engagement with a glass plate, said frame having a straight outer edge serving as a straightedge and determining approximately a cutting and breaking line, a clamping bar extended parallel and adjacent to said straightedge, means guiding said clamping

bar for straight line movements toward and from the face of said frame, laterally spaced toggles each involving two pivotally connected links, one link of each toggle being pivoted to the adjacent end of said clamping bar and the other link of



each toggle being pivoted to a fixed part of said frame, springs connecting the extended ends of the links of said toggles and tending to buckle the same, and means for simultaneously moving said toggles from one side to the other of dead centers.

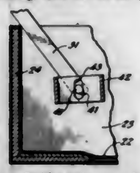
2,254,542
APPARATUS FOR SUPPORTING AND ELEVATING VEHICLES IN FREIGHT CARS
John E. O'Brien, Chicago, Ill.
Application October 4, 1940, Serial No. 359,646
9 Claims. (Cl. 105—368)



1. Means for supporting and elevating a vehicle supporting deck in a freight car comprising flexible members attached to the deck and cooperating with pulleys in the upper part of the car and on the deck, winding mechanism upon said deck including a single drum mounted outwardly of the deck to which the flexible members are connected and means for operating the winding mechanism.

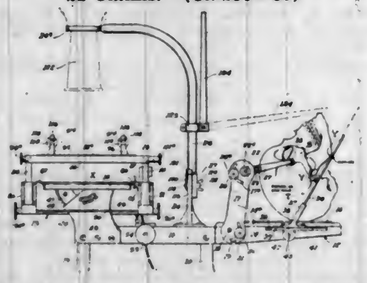
2,254,543
WARDROBE TRAY
Joseph H. Plotkin, Chicago, Ill., assignor to S. Dresner & Son, Inc., Chicago, Ill., a corporation of Illinois
Application November 18, 1939, Serial No. 305,068
2 Claims. (Cl. 190—41)

1. Means for pivotally mounting a clothes supporting rack in a luggage tray to permit the rack to swing into and out of the tray and to be arranged in an upwardly extending inclined supporting position against the rear wall of the tray whether or not the tray is within a suitcase or other piece of luggage, said means including a pair of oppositely extending trunnions having means for mounting them on a rack in a laterally projecting position, each trunnion being formed at its outer end with an eccentric enlargement, a pair of mountings secured to the tray adjacent the end walls thereof, each adapted for cooperation with one of the rack trunnions and there being in each mounting a slot having a width substantially the same as the diameter of the associated trunnion and of a somewhat greater length whereby to provide a pivoted and sliding connection between the rack and the tray to permit said movements of the clothes supporting rack and an automatic adjustment of the rack to accommodate a greater or lesser amount of clothes, the eccentric enlargements of the trunnions occupying positions along side faces of the mountings remote from the rack and preventing inward movement of the trunnions with consequent disengagement of the rack except when the eccentric enlargements are disposed lengthwise of the mounting slots and permitting such



inward movement of the trunnions with consequent disengagement and removal of the rack when the eccentric enlargements are disposed lengthwise of the mounting slots, the rack when supported by the mountings being free to swing from a flat-wise position within the tray through more than 90° to a rearwardly and upwardly inclined position of rest against the top edge of the back wall of the tray, and the mounting slots being disposed at every point throughout their length below and forward of said top edge of the back wall of the tray and in spaced relation to the same a sufficient distance to cause the trunnion supports for the rack to cooperate with the back wall of the tray to provide a stop against swinging movement of the rack more than a predetermined distance past the vertical and also support the rack in said inclined supporting position.

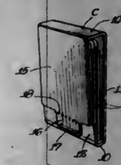
2,254,544
MACHINE FOR MAKING CRANIAL ROENTGENOGRAPHS
George T. Plotz, Cleveland, and Theodore W. Maves, Cleveland Heights, Ohio; Winifred E. Maves, executrix of said Theodore W. Maves, deceased, assignor of the right of said Maves to said Plotz; Alma Plotz, administratrix of said George T. Plotz, deceased, assignor of one-half to Oscar A. Plotz, Lakewood, Ohio
Application March 20, 1939, Serial No. 262,814
21 Claims. (Cl. 250—50)



1. An apparatus for making complementary roentgenographs comprising in combination a base member having means for supporting a

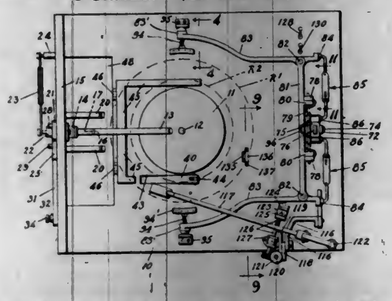
casette thereon, means for supporting the head of a patient in a dorsal position above a film in said casette with a plane including the gonions and porions forming an acute angle with respect to the plane of said film and with the median sagittal plane intermediate the side edges of said film, means for supporting an X-ray tube in a position to direct rays thereof along a plane passing through the said gonions and porions and along the median sagittal plane, thereby to project upon said film the outlines of the condyle heads and glenoid fossae, a second base member and means rotatably supporting the same, said second base member having means for supporting a casette thereon, means for supporting the head of a patient with the lower porion and the lower condyle head and fossa above the film in said casette, and means for supporting an X-ray tube in a position to project rays thereof upon the lower condyle head and fossa and axially thereof.

2,254,545
MATCH BOOK
Henry T. Roberts, Chicago, Ill.
Application August 1, 1938, Serial No. 222,458
2 Claims. (Cl. 40—2)



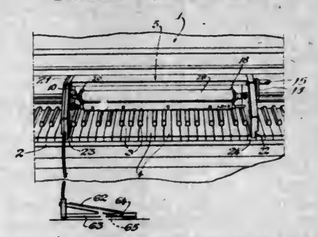
2. In a match book, a cover, a plurality of match splints therein, a staple for securing said match splints therein and means for sealing the free marginal edge of said cover in position over said match splints, said cover having a row of perforations separating said marginal edge from the body of the cover, said marginal edge being of less width than said cover, and representations on said match splints within said cover and concealed thereby from view until said body of said cover is separated from said marginal edge at said perforations.

2,254,546
AUTOMATIC PHONOGRAPH
Don Robins, Burbank, Calif.
Application June 22, 1940, Serial No. 341,858
8 Claims. (Cl. 274—10)



4. In a phonograph, a supporting structure, a turntable thereon for supporting a disc record, and means operating to lift the record from the turntable and reverse and replace it, including jaws for embracing the edges of the record on opposite sides of the turntable, arms supporting said jaws and mounted on said structure for movement to bring the jaws into and out of engagement with the record and to lift the record from and lower it back upon the turntable, and screw shafts fixed to said jaws and threadedly engaged with said arms for rotating the jaws record responsive to inward pressure of the jaws against the edge of the record simultaneously with said lifting of the record, and means operating to first move the arms to force the jaws into contact with the record, then move the arms to lift the jaws and raise the record from the turntable, while forcing said jaws against the record and whereby to effect operation of the reversing means, then moving the arms to lower the reversed record back onto the turntable, and finally moving the arms to retract the jaws and release the record thus re-deposited on the turntable, and spring means operatively associated with said operating means and arms for yieldingly holding the jaws against the record whereby to accommodate records of varying diameters.

2,254,547
KEYBOARD INDICATING DEVICE
Carl F. H. Rupp, Chicago, Ill., assignor of fifty-one per cent to Willard J. Drown, Chicago, Ill.
Application November 1, 1939, Serial No. 302,295
1 Claim. (Cl. 84—485)

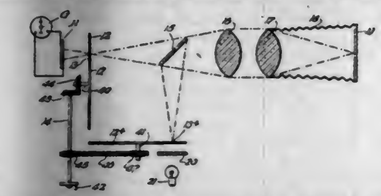


An indicating device for keyboard instruments of the piano type which comprises, a frame adapted to be mounted above the keyboard of the instrument, a pair of rolls rotatably carried by said frame above predetermined keys of the keyboard, a flexible web wound upon said rolls, indicia carried by said web adapted to indicate keys immediately therebeneath to be struck, means for rotating one of said rolls to move said web from one roll to the other roll, said web being wound upon said rolls in the reverse direction whereby indicia is only visible while said web is passing around one roll, and means for moving one roll a predetermined degree to expose to view only one sequence of indicia.

2,254,548
METHOD AND MEANS FOR TESTING THE ADJUSTMENT OF PHOTOGRAPHIC OBJECTIVES
Hans Rühle, Dresden-Striesen, and Alfred Roell, Dresden-Zschachwitz, Germany, assignors to Zeiss Ikon Aktiengesellschaft, Dresden, Germany
Application December 18, 1939, Serial No. 309,902
In Germany November 28, 1938
8 Claims. (Cl. 88—56)

2. In a method for examining and controlling in photographic cameras the adjustment of the photographic lens, the steps of projecting the image of a test pattern by means of a collimator and the lens to be examined onto a fixed reflective surface arranged in the focal plane of the camera which reflective surface reflects the im-

age in the opposite direction it was projected onto a test pattern of the same size and form as the test pattern from which said image was produced, energizing a photo cell with the light of the reflected image passing through said test pattern,

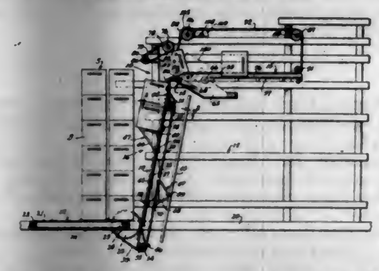


measuring the electric current produced by the energization of said photo cell, and adjusting said lens along its optical axis with respect to said fixed reflective surface until the electron current produced by said photo cell reaches a maximum value.

2,254,549
SINTERED METAL COMPOSITION
Louis Small, Detroit, Mich.
No Drawing. Application November 12, 1938, Serial No. 240,043
8 Claims. (Cl. 75—22)

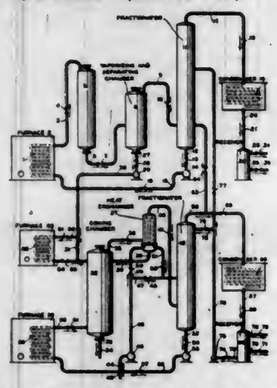
1. The method of forming a coherent metal mass which comprises admixing a powdered base metal, a powdered metal hydride, and a powdered eutectic mixture of a bonding metal and a metal comprising the metal radical of said metal hydride, said eutectic mixture having a melting point below the melting point of the base metal and adapted to form a coherent bonding metal for the particles of said base metal, to form a powdered mass, compacting said mass and thereafter heating the mass to sintering temperatures whereby nascent hydrogen is liberated by the decomposition of the said metal hydride and said bonding metal is fused to form a coherent mass.

2,254,550
BOX STACK DUMPER
James W. Stevenson, Riverside, Calif.; Gladys Stevenson, administratrix of said James W. Stevenson, deceased
Original application January 11, 1937, Serial No. 119,989. Divided and this application April 3, 1939, Serial No. 265,655
2 Claims. (Cl. 214—1.1)



1. In combination: means for delivering a loaded box in a dumping position; endless chain means; a pair of bars on said chain means; the first of said bars contacting a side of said box when in dumping position so as to tilt said box, the second of said bars then contacting the bottom of said box to continue the tilting of said box past its center of gravity to dump the contents of said box; and means for conveying the empty box away.

2,254,551
CONVERSION OF HYDROCARBON OILS
Kenneth Swartwood, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application May 9, 1938, Serial No. 206,767
6 Claims. (Cl. 196—49)

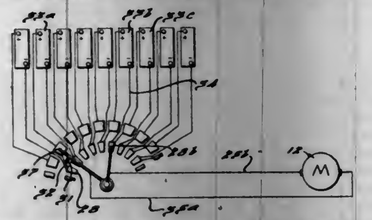


1. A hydrocarbon oil conversion process which comprises, cracking reflux condensate formed as subsequently described, separating resultant vaporous and residual liquid conversion products, fractionating the vapors to form the reflux condensate subjected to said cracking, removing residual liquid from the zone of said separation, supplying the same to a separate zone wherein it is reduced to coke, removing from the vaporous products of the coking operation entrained high coke-forming particles, fractionating the remaining relatively clean vaporous products of the coking operation separately from the vaporous products of said cracking operation and in commingled state with hydrocarbon oil charging stock for the process to form a relatively clean heavy condensate comprising high-boiling components of said vaporous products of the coking operation and high-boiling components of the charging stock, separately cracking the relatively clean heavy condensate, introducing heated products of the last mentioned cracking operation into the coking zone to supply additional heat thereto and assist the coking operation, condensing fractionated vapors of the desired end-boiling point and recovering the resulting distillate, and supplying to the first-mentioned fractionating step relatively low-boiling components of the charging stock and of the vaporous products of the coking operation, resulting from the second-mentioned fractionating step, for further fractionation therein in commingled state with the vaporous products of the first-mentioned cracking operation.

2,254,552
ELECTRIC MOTOR VEHICLE
John Tjaarda, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Original application June 13, 1938, Serial No. 213,393. Divided and this application September 21, 1939, Serial No. 295,873
8 Claims. (Cl. 172—291)

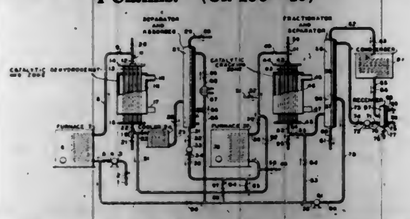
1. In an electric motor vehicle, a battery com-

posed of a plurality of electric cells, an electric motor, a control device including a plurality of pairs of contact pieces, each pair including a positive and a negative contact connected to the positive and to the negative terminal of a respective cell, a plurality of interrupter switches normally connecting the positive contact of one pair of contacts to the negative contact of the adjacent pair, whereby all of the cells are connected in series, two movable contact arms elec-



trically connected to said motor, one of said arms adapted to make successive contacts with the positive contact pieces and the other with the negative contact pieces, and means operable by one of said arms, said means being adapted to open the interrupter switch connecting the contact piece on which said arm bears with the piece of the adjacent pair, whereby only the cells connected to the contact pieces included between said arms are connected to the motor.

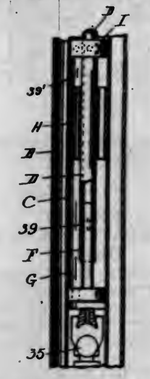
2,254,553
CATALYTIC TREATMENT OF HYDROCARBONS
Charles L. Thomas, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application January 11, 1939, Serial No. 250,327
4 Claims. (Cl. 196—49)



4. A process for the conversion of hydrocarbon oils heavier than gasoline which comprises contacting the charging oil with an alumina-chromia catalyst under conditions suitable for the conversion of paraffins contained in the oil into normally liquid olefins, separating said olefins from normally gaseous products, and cracking the normally liquid olefins in the presence of a silica-alumina catalyst at a temperature below the optimum cracking temperature of said charging oil when using the same cracking catalyst, whereby to produce lower boiling hydrocarbons from said olefins.

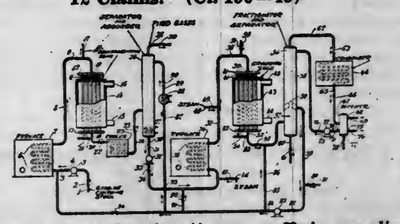
2,254,554
WELL PUMP
George L. Thompson and Leo A. Cejka, Avenal, Calif.
Application April 10, 1939, Serial No. 266,926
16 Claims. (Cl. 103—240)

1. In well pumping apparatus, a flow line extending downwardly in the well to admit liquid thereinto from the well formation, a gas line reciprocable in and cooperating with the flow line to form a pump chamber having a valved passage in its lower end for admitting liquid from the well formation therein, admission valve means controlled by the reciprocable movement



of the gas line to successively admit gas under pressure and force a series of liquid slugs from the pump chamber upwardly in the flow line, and check valve means in the flow line for preventing the return movement of the series of slugs in the flow line.

2,254,555
CATALYTIC TREATMENT OF HYDROCARBONS
Charles L. Thomas, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application February 9, 1939, Serial No. 255,481
12 Claims. (Cl. 196—49)

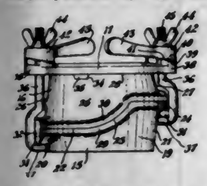


1. A process for treating paraffinic gasoline fractions which comprises contacting the paraffinic oil in a first stage with a dehydrogenating catalyst under dehydrogenating conditions, said catalyst and conditions being such as to convert the oil into a predominantly olefinic product, and subjecting said olefinic product in a second stage to cracking in the presence of a cracking catalyst of different composition than said dehydrogenating catalyst and which is selective in the breaking of carbon-to-carbon bonds.

2,254,556
ANATOMICAL DENTAL FLASK
Jay E. Wagner, Canton, Ohio
Application April 26, 1940, Serial No. 331,767
8 Claims. (Cl. 18—33)

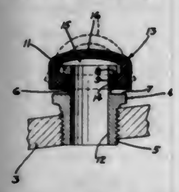
1. A dental flask including a lower section and an upper section fitting together at their opposed edges, the contour of the meeting edges of the flask sections substantially conforming to the anatomical lines of the human maxillary and mandible arches and comprising a relatively

low, straight front edge and a relatively high straight rear edge joined by upwardly and rear-



wardly curved side edges substantially conforming to the anatomical curve of the human jaw.

2,254,557
PRESSURE RETAINER AND RELEASING DEVICE
Edward H. Wittenberg, Eau Claire, Wis., assignor to National Pressure Cooker Company, Eau Claire, Wis., a corporation of Wisconsin
Application July 13, 1940, Serial No. 345,399
5 Claims. (Cl. 53—2)



3. In combination with an enclosing casing, a tubular member secured to a wall thereof and having an annular flange at its upper end, and a rubber cap adapted to be fitted over said flange to provide a leak-tight closure for said tubular member, said rubber cap having an annular inwardly projecting flange adapted to engage beneath the annular flange of said member whereby said cap is retained on the member under normal pressure, said cap being adapted to be blown from the tubular member by excessive pressure within the casing.

2,254,558
FASTENING ELEMENT AND METHOD OF MAKING SAME
Ivan A. Williams, Portland, Oreg.
Substitute for abandoned application Serial No. 82,079, May 27, 1936. This application October 10, 1938, Serial No. 234,210
7 Claims. (Cl. 29—187)



1. A method of uniting a plurality of pieces of material together, consisting in displacing a portion of the top piece below the lower surface of the bottom piece into a plane parallel therewith and then spreading the undisplaced top and bottom pieces inwardly over said displaced portion.

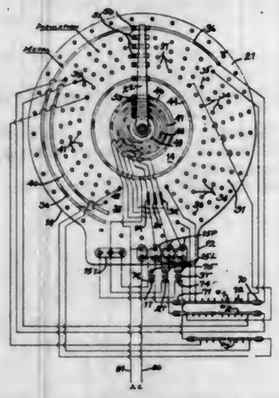
2,254,559
DEVICE FOR CLOSING OF CONTAINERS, COUPLING OF TUBES, ETC.
Halvor Tobias Heyerdahl Andresen, Oslo, Norway
Application June 6, 1938, Serial No. 212,204
In Norway March 18, 1938
4 Claims. (Cl. 220—60)

1. In means for securing together a pair of objects the combination of a circumferential outwardly projecting bead on one of the said objects, a sleeve embracing the said bead and being in connection with the second of the said objects, a series of spaced tongues integral with and circumferentially of the said sleeve and arranged parallel to the said bead on the first object, the said tongues being defined by cuts of approximately horse-shoe form with the open



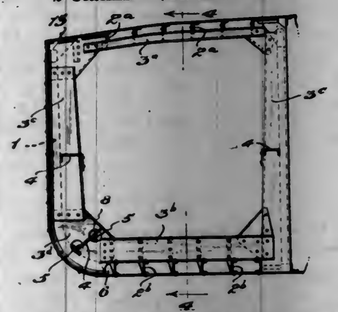
ends of said cuts facing generally circumferentially, each of said tongues being bent inwardly at an acute angle from the surface of the sleeve along lines extending generally axially of the sleeve and each tongue being also curved along lines extending generally perpendicularly to the lines of bending and circumferentially of the sleeve, so as to be adapted to engage the said bead on the first object.

2,254,560
HIGH VOLTAGE SWITCH
Eugene F. Baldwin, San Francisco, Calif.
Application September 26, 1938, Serial No. 231,686
4 Claims. (Cl. 200—11)



1. A rotary switch comprising a contact plate of insulating material provided with a blank area over a predetermined angular outer segment thereof, a plurality of radially spaced circular rows of contacts concentrically arranged in said plate around a central point on said plate and occupying the remaining angular outer segment of said plate, at least one outer row having an initial portion of serially spaced contacts beginning at one side of said blank angular segment and a remaining continuous contact portion ending at the other side of said blank angular segment and at least one inner row having serially spaced contacts throughout, the serially spaced contacts in each circular row being regularly staggered from those in an adjacent row to provide non-radial alinement thereof, a circular continuous contact extending around said center point inside of said segments, an arm pivoted to said contact plate at said central point and rotatable over said contacts and said angular blank area in succession, and connected radially positioned brushes on said arm positioned to contact said serial contacts and said continuous contacts during rotation of said arm.

2,254,561
FRAMEWORK FOR METALLIC VESSELS
Emond Jozua Benthem, Rotterdam, Netherlands
Application October 21, 1938, Serial No. 236,341
In the Netherlands October 23, 1937
2 Claims. (Cl. 114—79)



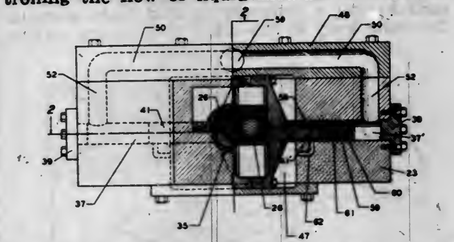
1. In a vessel construction, a hull, upper and lower longitudinal beams, main transverse frames comprising transverse bottom beams running over the inside of the longitudinal lower beams, vertical web frames secured to the hull and knees connecting said transverse lower beams and said vertical web frames, said knees being secured to the hull and having apertures for the passage of construction parts therethrough, transverse side frames intermediate the vertical web frames and cut off at a distance from the longitudinal lower beam nearest the side of the ship, longitudinal stringers running over the inside of said intermediate transverse side frames and connected thereto and through the main transverse frames and connected thereto, leaving the spaces between succeeding transverse frames and between succeeding longitudinal stringers clear, the intermediate transverse side frames and the upper and lower side beams being also directly connected to the hull of the vessel.

2,254,562
PROCESS OF PREPARING KETONES OF THE STEROL SERIES
Max Bockmühl, Gustav Ehrhart, and Heinrich Ruschig, Frankfort-on-the-Main-Hochst, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application March 23, 1937, Serial No. 132,635. In Germany March 28, 1936
7 Claims. (Cl. 260—397.3)

1. The process which comprises subjecting a carboxylic acid of the general formula RCOOH wherein R stands for an unsaturated cyclopentanopolyhydrophenanthrene radical having in 3-position an acyl-oxy radical to the decomposing method known as Curtius reaction, saponifying the acyl-oxy radical in the amine thus obtained, oxidizing the hydroxyl group by the action of chromic acid.

2,254,563
BRAKE APPARATUS FOR OIL WELL PULLING EQUIPMENT
Russell Brinneman, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application April 27, 1939, Serial No. 270,468
2 Claims. (Cl. 188—99)

1. A braking system for use with oil well pulling equipment comprising a drum; a tool suspending cable wound on the drum; a hydraulic brake including a housing, a crank shaft rotatable in the housing and having one end extending therethrough, a pair of oppositely arranged cylinders within the housing, a piston reciprocable in each cylinder and connected to the crank shaft, a passage for transmitting a liquid medium into the outer end of both cylinders, a valve for controlling the flow of liquid medium through the



passage, a chamber within the housing, means responsive to fluid pressure in each cylinder for placing the chamber in communication with the passage, and means for placing the chamber in communication with the outer end of each cylinder upon a predetermined movement of each piston within its cylinder; and means adapted for connecting one end of the crank shaft to the drum.

2,254,564
WHEEL TRUCK
Charles Robert Caslake, Tooronga, Melbourne, Victoria, Australia
Application March 17, 1939, Serial No. 262,556
In Australia March 31, 1938
3 Claims. (Cl. 280—61)

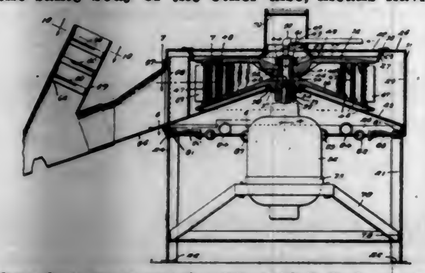


3. A trolley for the purposes indicated comprising two substantially identical members of approximate channel shape in cross section, each member including a ramp, side walls upstanding from opposite side edges of said ramps, means pivotally connecting said members together about a transverse axis at the meeting ends of said ramps, castor devices associated with said ramps substantially midway between their ends, said castor devices constituting fulcra about which said ramps are caused to swing automatically by the tracking of a ground wheel of a mobile machine up or down one of the ramps, such swinging movement of the ramps to a wheel carrying position being limited by the engagement of the inner edges of said side walls with each other and swinging to an unloading position being limited by the engagement of the outer edges of the members with a supporting surface, the adjacent inner edges of the side walls of each of the members being slightly inclined upwardly and outwardly from the pivotal connection so that when a wheel is in position on the inner parts of the ramps the inclined side edges abut each other while the inner parts of the ramp are maintained in downwardly inclined relation toward each other to prevent accidental displacement of the wheel.

2,254,565
EMULSIFYING CLARIFIER VITALIZER
Peter J. Chappelle, Butte, Mont.
Application August 8, 1938, Serial No. 223,749
3 Claims. (Cl. 210—66)

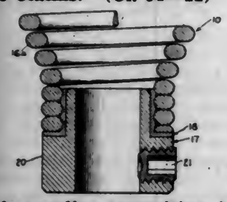
1. In a device of the type described, a filtering

unit comprising a tapered drive hub arranged for rotation about a vertical axis and having an inlet duct extending inwardly of its upper end, a bottom disc bored centrally to fit on the taper of the hub and keyed for rotation therewith, a top disc spaced from the bottom disc and bored centrally to fit the taper of said hub and keyed for rotation therewith, said bottom and top discs each having a centrally located body abutting the same body of the other disc, means having



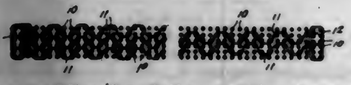
threaded engagement with said hub for pressing the bottom and top discs on the hub, the top and bottom discs having inwardly extending abutments, a plurality of filtering means positioned between the bottom and top discs and lying in engagement with said abutments in concentric relation with the axis of the hub, and at least one of said discs having duct means communicating with said first-mentioned duct for establishing communication between the latter and the space between the bottom and top discs.

2,254,566
FLEXIBLE COUPLING
Edward S. Cornell, Jr., Larchmont, N. Y.
Application August 27, 1938, Serial No. 227,079
13 Claims. (Cl. 64—11)



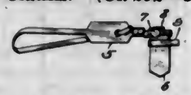
13. A flexible coupling comprising, in combination, a central flexible body portion, substantially inflexible end portions, and means for securing a shaft to each of said end portions, said means including a bushing adapted to be expanded into frictional engagement with one of said end portions, and shaft-engaging means insertable into said bushing for effecting such expansion.

2,254,567
PADDING FOR IRONING AND PRESSING APPARATUS
Edmond O. Dayton, deceased, late of Hillsdale, N. J., by Jane M. Dayton, executrix, Westwood, N. J.
Application March 25, 1940, Serial No. 325,764
2 Claims. (Cl. 139—420)



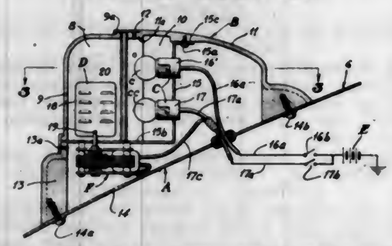
1. In a padding for clothes pressing apparatus, a fabricated body consisting of superimposed layers of contiguous inextensible threads disposed longitudinally of the body and formed of twisted strands of spun glass, a plurality of longitudinally spaced groups of relatively finer weft threads of twisted strands of spun glass, each group including a plurality of spaced weft threads respectively interwoven transversely with superimposed layers of warp threads, the weft threads of alternate groups being interwoven with the warp threads in staggered relation to the threads of the other groups and binding threads of twisted strands of spun glass engaging the longitudinal edges of the body and anchoring the weft threads in place.

2,254,568
SEAL
Charles C. Edgar, Lawrence, Kans.
Application January 6, 1941, Serial No. 373,373
5 Claims. (Cl. 292—315)



1. A seal of the class described, comprising a length of flat wire material, spaced heads forming a part of the wire material, a neck having scored portions, connecting the heads, one of the heads having an opening, a wire-like member forming a part of the seal, one end of the wire-like member adapted to extend through an opening of the equipment sealed, and adapted to extend through the opening of the head and said neck adapted to be wrapped around the end of the wire-like member securing the wire-like member to the neck.

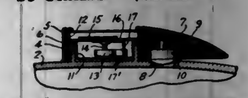
2,254,569
VEHICLE SIGNAL MEANS
Chujiro Genda, Beverly Hills, Calif.
Application August 19, 1939, Serial No. 291,056
2 Claims. (Cl. 177—329)



1. A vehicle lamp comprising a casing including a top wall, side walls and front and rear end walls, said top wall and the upper portions of said side walls extending forwardly from said rear end wall and terminating in a vertical plane at right angles to the side walls of said casing and spaced rearwardly from the front end wall thereof, the lower portions of said side walls extending from end to end of said casing and between said plane and the front end wall having horizontally disposed top edges disposed in a common horizontal plane with the top edge of said front wall, a colored partition member through which light may pass extending transversely of said casing from side to side thereof and from the top wall thereof to the upper edges of the said lower portions of the side walls thereof and resting at its lower edge upon the upper edges of the said lower portions of said side walls

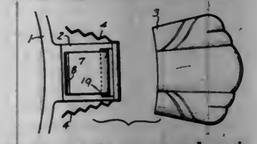
and seated at its sides and top against the front edges of the upper portions of said side walls and the front edge of said top wall, respectively, a lens including a top wall, side walls and a front wall, the lower edge of the front wall of said lens being seated upon the upper edge of the front wall of said casing, the lower edges of the side walls of said lens being seated upon the upper edges of the said lower portions of the side walls of said casing, the rear edges of the top and the side walls of said lens being seated against the top and the side marginal portions, respectively, of said partition member, means fastening said lens removably in assembly with said casing and thereby fastening said partition member removably, replaceably assembled with said casing, and light means mounted in said casing rearwardly of said partition member.

2,254,570
COOKING VESSEL COVER ASSEMBLY
Robert W. Hailey, Bucyrus, Ohio
Application October 28, 1939, Serial No. 301,844
15 Claims. (Cl. 53—1)



8. A cooking vessel lid, including a duofunctional upstanding cup-shaped boss projecting from the top thereof for receiving externally a rotatively mounted knob and receiving internally a temperature indicating unit.

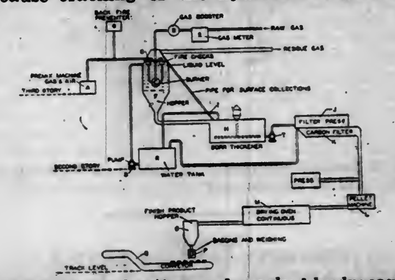
2,254,571
UTENSIL HANDLE
Robert W. Hailey, Bucyrus, Ohio
Application October 28, 1939, Serial No. 301,845
2 Claims. (Cl. 16—116)



1. In a vessel of the type wherein a handle shaft of expansible and contractible material projects therefrom, a tubular handle sheath having a factor of expansion and contraction less than the handle shaft upon which it is slidingly engageable, the bore of which is of greater size than the handle shaft, a corrugated shim of spring material inserted within the bore of the sheath beside the handle shaft which by its inherent resiliency compensates for differences of expansion and contraction of the handle shaft and sheath, and a spring detent also interposed between the shaft and sheath within the bore thereof the size of which is sufficient to permit flexing movement of the spring detent and relatively spaced abutments upon the shaft and sheath respectively, with which the spring detent has simultaneous engagement to prevent withdrawal of the sheath.

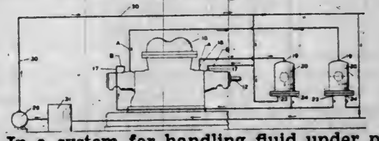
2,254,572
PROCESS FOR THE PRODUCTION OF CARBON BLACK
Frederick J. Harlow, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application March 31, 1939, Serial No. 265,349
2 Claims. (Cl. 23—209.8)

1. The process of producing carbon black which comprises premixing a combustible mixture of gas and air, burning said premixed gas and air mixture wherein the combustion takes place beneath the surface of a body of water, introducing hydrocarbon gas into the flame of the burning premixed gas and air under such conditions as to cause cracking of the hydrocarbon gas, said



products of combustion and cracked hydrocarbon products being immediately shock cooled upon leaving the flame of the burning premixed gas and air by passing into the body of water, separating the products of combustion and carbon black from the water by allowing the residual gas to bubble up through the water and then separating the carbon black from the water.

2,254,573
SHAFT PACKING
Alfred W. Hubbell, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application June 3, 1939, Serial No. 277,278
2 Claims. (Cl. 286—9)



1. In a system for handling fluid under pressure, the combination comprising a casing; fluid under pressure within the casing; a shaft supported in each end of the casing; a packing unit surrounding the shaft in each end of the casing; a pair of pressure equalizer tanks, each tank including an inlet in its upper portion, an inlet and an outlet in its lower portion, a sealing liquid in its lower portion, and means for maintaining the level of the liquid in the tank in substantially the same plane as the shaft; means for supplying fluid from the casing to the inlet in the upper portion of each tank; means for transmitting sealing liquid from the outlet of one of the tanks to the outer end of one of the packing units; means for transmitting sealing liquid from the outlet of the other tank to the outer end of the other packing unit; and means for placing the inlet in the lower portion of one of the tanks in communication with the outlet in the other tank.

2,254,574
ANIMAL RESTRAINER
Francis M. Jackson, Russiaville, Ind.
Application February 26, 1940, Serial No. 320,906
4 Claims. (Cl. 119—142)

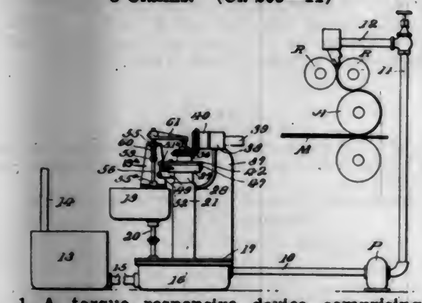
1. A device of the character described, comprising an adjustable halter for the head of an animal and having a brow strap, a depressible strip on said strap, prongs carried by said strip and adapted to pass through the brow strap,

means for holding the depressible strip outwardly, a hanger adjustably connected to the strip,



and a nostril engaging element carried by the lower end of the hanger.

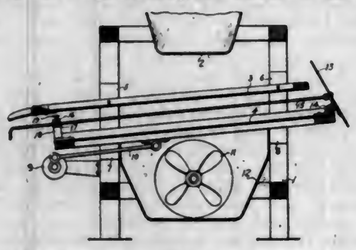
2,254,575
VISCOSITY CONTROL DEVICE
Alfred L. Kronquest, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application October 11, 1938, Serial No. 234,495
8 Claims. (Cl. 265—11)



1. A torque responsive device comprising a pair of rotatable disc members, resilient means connecting said disc members whereby to permit relative rotary movement therebetween, a lever pivotally mounted on one of said disc members and rotatable therewith, cam means associated with the other of said disc members and engageable with said lever for effecting movement of the said lever about its pivot in accordance with relative movement between the said disc members, and an element engaging the lever and adapted to be operated by the said lever in accordance with relative movement between the said disc members.

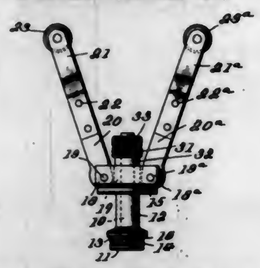
2,254,576
OSCILLATING CHAFF RAISER
John A. Meals, Medford, Oreg.
Application April 12, 1939, Serial No. 267,483
1 Claim. (Cl. 209—318)

In an oscillating chaff raiser, a frame, a pair of screens arranged one above the other in inclined positions, said screens being of substantially the same longitudinal extent and width, the upper screen being stationary and the lower screen being constructed and arranged to be reciprocated lengthwise, means for reciprocating the lower screen, a pivoted air deflector inclined upwardly and inwardly and carried by the end of the lower screen and movable therewith, blower means positioned centrally beneath the lower screen and constructed and arranged to produce a current of air upwardly through said screens, hand operated means for adjusting the deflector whereby the opening between the ends of the screens may be varied in extent and whereby the reciprocating movement of the low-



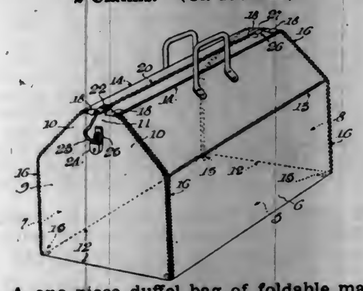
er screen with the deflector causes irregular spurts and surges of air between the screens.

2,254,577
CAN CLOSURE APPLYING TOOL
George E. Nelson, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application January 9, 1939, Serial No. 250,074
1 Claim. (Cl. 113—30)



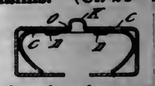
A tool for applying an inner closure to a container comprising a stem with a radial flange at one end thereof, a sleeve member surrounding said stem and having one end thereof opposed to and substantially co-extensive with said radial flange, a substantially non-compressible but deformable elastic forming member disposed between the end of said sleeve member and said radial flange and normally co-extensive with the outer edges thereof, a block member loosely mounted on said stem above the opposite end of said sleeve member and having laterally extending pairs of lugs, adjusting means on the opposite end of said stem for limiting upward movement of said block member relative to the stem, cam elements pivotally mounted between said lugs and having cam surfaces engageable with said sleeve member for effecting relative movement between said stem and said sleeve member with the radial flange and the adjacent end of said sleeve member moving toward one another whereby to outwardly force said forming member into expanding contact with the wall of the inner closure, said cam elements having stop surfaces engageable in a radial direction with the outer surface of said block member between the said lugs whereby to limit relative movement between said stem and said sleeve member, and means providing an outwardly extending peripheral shoulder on said sleeve member and said shoulder being spaced slightly above said forming member and above the wall of the inner closure and adapted to contact with the edge of the container whereby to limit movement of the tool and the closure relative to the container during insertion and expansion of the closure.

2,254,578
DUFFEL BAG
Frank J. O'Brien, Pelham, N. Y.
Application August 29, 1940, Serial No. 354,754
2 Claims. (Cl. 190—43)



1. A one piece duffel bag of foldable material comprising a bottom portion, side and end members all integral therewith, said end members having the edges thereof extended upwardly from the bottom and converging inwardly toward each other at the upper end, the side members having edges lying in parallel planes and dimensioned so as to extend along the edges of the ends in abutted relation thereto and meet centrally at the top portion of the ends in abutted relation, a plurality of independent "zipper" equipments for joining the adjacent edges of the side members and end members, the manipulating devices for the "zippers" when the side and end members are joined being disposed at the top portion of the side members, said side and end meeting edges being extended into the bottom to enable the side and ends when separated to lie flat relative to the bottom and an independent "zipper" equipment for joining the adjacent edges of the side members, said last named "zipper" equipment being separable throughout the whole length of the meeting edges whereby the end members and side members may be disconnected from each other and folded for storage.

2,254,579
CLIP TO KEEP IN ENGAGEMENT THE ENDS OF SHOESTRINGS OR OTHER FASTENERS
Howard Pitcher Okie, Washington, D. C., assignor of one-fourth to Benjamin S. Bell, Washington, D. C., and one-fourth to Louise A. Green, Washington, D. C.
Application November 18, 1940, Serial No. 366,191
2 Claims. (Cl. 24—121)

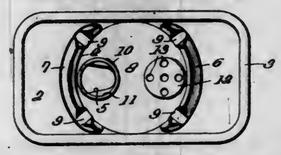


2. A fastener for shoe laces, cords and ribbons comprising a rigid shell having a wall provided with a pair of curved slots and an opening between the slots, a resilient member within the shell and forming a clamp with said wall of the shell, and a projection on said resilient member disposed in said opening.

2,254,580
METHOD OF PACKAGING FRUIT IN HERMETICALLY SEALED CONTAINERS
William Periman, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application May 6, 1939, Serial No. 272,269
1 Claim. (Cl. 99—186)

The method of packaging fruit in sealed containers for the market consisting in removing the skins from the fruit, first placing the fruit in a closed retort, subjecting the retort to steam so that the steam contacts with the fruit and partially cooks and wilts the same, creating a vacuum on said retort while protecting the fruit from contact by water of condensation while drawing the air and gases from the cells of the fruit for shrinking the same, relieving the vacuum and removing the shrunken fruit from the retort, then packing the shrunken fruit in a container in which it is to be marketed, supplying the container with a syrup in sufficient quantity to be absorbed by the fruit, sealing the container and processing the same whereby the fruit is caused to absorb the syrup and be restored to a substantially normal condition.

2,254,581
CONTAINER FOR SPICES AND THE LIKE
William F. Punte, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application May 2, 1940, Serial No. 333,024
1 Claim. (Cl. 221—64)

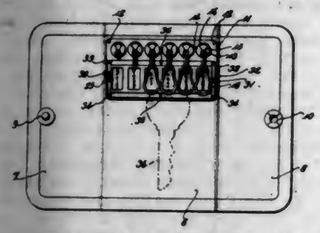


A combined pouring and sifting container comprising a body portion rectangular in cross section and having end members seamed thereto, one of said end members having a circular depression therein and upstanding arcuate ribs at opposite sides of the depression, said depression having an opening therethrough disposed wholly at one side of the center thereof, a disk fitting within said depression and making contact with the bottom thereof, said ribs having at spaced intervals depressed portions forming lugs projecting inwardly over said disk for rotatably retaining said disk in said depression, said disk having diametrically opposed raised portions the upper ends of said raised portions terminating substantially in a plane containing the extreme upper portion of the seam joining the end to the body portion, the top of one of which is cut away to form a pouring opening and the top of the other of which is provided with small openings for sifting, said raised portions being disposed so that by a rotation of the disk said raised portions may be selectively brought into register with the opening in the end for pouring or sifting, and so that when said raised portions are moved out of register with said opening it will be tightly closed by said disk.

2,254,582
KEY CASE
Samuel Duvall Schell, Washington, D. C.
Application July 9, 1940, Serial No. 344,573
3 Claims. (Cl. 40—17)

1. A key case comprising a rigid plate provided with a plurality of spaced socket forming deformations, a plurality of key-suspending means disposed in horizontal alignment mounted in said socket forming deformations on said plate, a frame having a plurality of openings therein secured to said plate in such manner that an opening in said frame lies adjacent to each of said key-suspending means, a recess between said plate and said

frame, and an indicia bearing member in said recess adapted to expose indicia through each of



said openings for identifying the key on the adjacent key-suspending means.

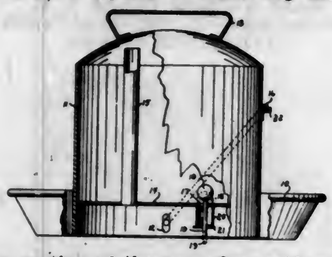
2,254,583
FOLDING DOOR
Donald R. Stuart, Omaha, Nebr., assignor to Helen P. Stuart, Omaha, Nebr.
Application June 24, 1939, Serial No. 281,015
2 Claims. (Cl. 20—20)



1. In a folding door, a lazy tongs consisting of sections, each section including a pair of pivotally connected, intersecting bars providing a pair of angularly formed arms outwardly of said intersection and providing a pair of opposed arms with approximately parallel extensions swingably mounted midway between their ends upon the ends of a pair of angularly formed arms of a section adjacent thereto, and a plurality of face-members arranged in pairs, each face-member of a pair being secured to an arm extension of an intersecting bar.

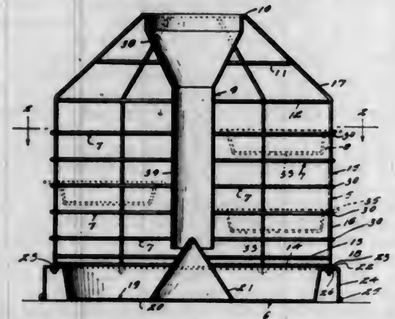
2,254,584
POULTRY WATERING FOUNTAIN
Clifford A. Tornell, Pilot Mound, Iowa
Application October 27, 1939, Serial No. 301,611
7 Claims. (Cl. 119—77)

1. In a poultry watering fountain, a container designed to be filled with the fluid, slot openings cut in the side walls of said container adjacent its lower edge; said container designed to be placed in a pan of larger dimensions than said container, a partition in said container above said slot openings, a filling pipe extending through the partition of said container and extending to a point adjacent the inside top of said container; said pipe having one of its ends terminating adjacent said partition, a gravity-operated valve member positioned in the bottom portion of said container for permitting the fluid to flow from said container at times, and an elongated stem on said valve capable of contacting the inside



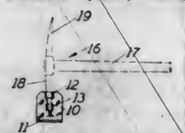
bottom portion of the pan when said container is in position therein and opening said valve.

2,254,585
FEEDING DEVICE
Edwin Travis, Peekskill, N. Y.
Application April 15, 1940, Serial No. 329,777
7 Claims. (Cl. 119—52)



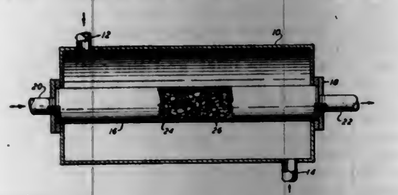
1. A feeding device for puppies and grown dogs including a hollow base open at its top, an annular skeleton body portion mounted in superimposed relation to and connected to the base, means within and secured to said body portion providing a plurality of independent skeleton open bottom compartments arranged over the base, a feed conductor within said body portion leading to said base and disposed in coaxial relation with respect to said means and body portion, said conductor having its upper end secured to and its lower end spaced above the lower end of said body portion, and said base including a cone-shaped member projecting thereabove and into the lower portion of the conductor.

2,254,586
TOOL
Orlo Warwick, Endicott, N. Y.
Application October 25, 1937, Serial No. 170,908
1 Claim. (Cl. 7—14.1)



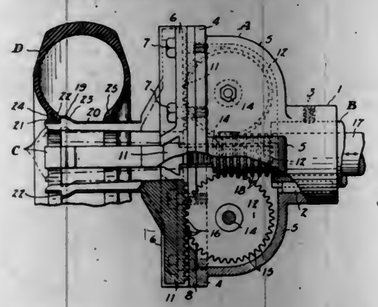
In combination with a pick having a bladed prong and a pointed prong, a tool having an approximately straight cutting edge and a non-circular pocket portion tapering toward its cutting edge, said pocket portion having a pair of opposing side walls extending parallel to the cutting edge of the tool and spaced apart a distance appreciably less than their individual lengths to receive snugly and frictionally retain the bladed prong only when the latter is in parallel relation to the cutting edge of the tool, and end walls shaped and arranged to provide laterally and longitudinally converging grooves connecting the opposing side walls at both ends and spaced to snugly fit and permit full insertion of the pointed prong of the pick in the pocket portion and to cooperate with the side walls in frictionally retaining the same when the tool is in a position at right angles to its bladed prong engaging position.

2,254,587
APPARATUS FOR DISPENSING GAS MATERIAL
Virgil C. Williams, Buffalo, N. Y., assignor to The Linde Air Products Company, a corporation of Ohio
Application November 9, 1937, Serial No. 173,730
2 Claims. (Cl. 62—1)



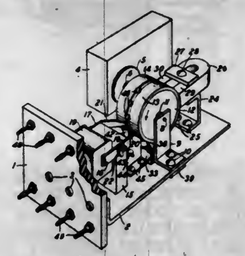
1. In apparatus for dispensing gaseous oxygen from a storage vessel containing liquid oxygen, a light weight vaporizer comprising, in combination, an oxygen conduit disposed within and in heat exchange contact with a surrounding heating medium; and heat conducting means, essentially consisting of wire bunched in random fashion, within said conduit, said bunched wire being removably sealed to and in heat conducting contact with the inner wall surface of said oxygen conduit and being so disposed within said conduit as to impede the flow of oxygen therethrough.

2,254,588
CHUCK
Walter J. Breth, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application January 31, 1939, Serial No. 253,797
5 Claims. (Cl. 154—9)



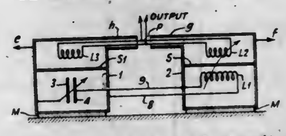
2. A chuck for rotatably supporting tires comprising a rotatable body member, guides on the body member, holding elements slidable on the guides and formed with support portions extending in substantially parallel relation to the rotational axis of the body member and elongated in the direction of said axis, and radial protuberances on the outer surfaces of the support portions intermediate the ends thereof and having shoulders to engage a tire mounted on the chuck to limit axial movement thereof.

2,254,589
PULSE DELAY RELAY
Thoralf Aamodt, Annadale, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 26, 1940, Serial No. 367,201
10 Claims. (Cl. 200—97)



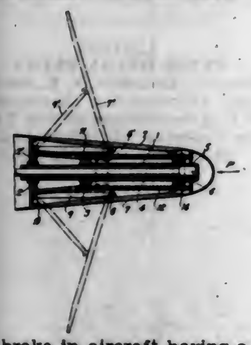
1. In a pulse delay relay, a pair of oppositely polarized rotatable pole-piece rings, a ball armature magazine associated therewith, a plurality of armature balls therein, a first electromagnet operable in response to each impulse of an incoming impulse series to remove a ball from said magazine to a position in which it is attracted to said rings and moved away by the rotation of said rings, a second electromagnet operative after a delay interval determined by the speed of rotation of said rings to remove each ball from said rings, means controlled by each ball upon its removal to close an out-pulsing circuit and means operative following the closure of the out-pulsing circuit by each ball to deenergize said second electromagnet to return said ball to said magazine.

2,254,590
BALANCED HIGH FREQUENCY CIRCUIT
Arthur M. Braaten, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application March 27, 1940, Serial No. 326,189
11 Claims. (Cl. 250—36)



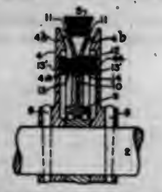
1. A high frequency balanced circuit comprising a first and a second metallic container symmetrically arranged adjacent each other and having equal capacity to ground, each container serving as one terminal for said circuit, a fixed and a variable plate element located within said first container, one of said plate elements insulatingly supported from said first container, the other plate element connected to said first container, and an electrical connection from the insulatingly supported plate element to said second container.

2,254,591
AIRCRAFT BRAKE
Claude Dornier, Friedrichshafen-on-the-Bodensee, Germany, assignor of one-half to Dornier-Werke G. m. b. H., Friedrichshafen-on-the-Bodensee, Germany
Application October 14, 1939, Serial No. 299,507
In Germany October 1, 1938
13 Claims. (Cl. 244—113)



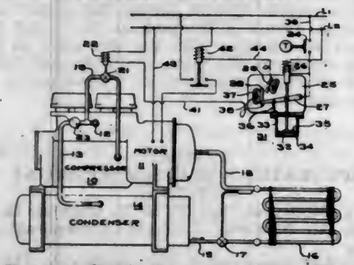
1. An air brake in aircraft having a fuselage, comprising, in combination, a brake element, a hollow cylindrical body protruding rearwards from said fuselage and having a longitudinal slot, a brake support element slideably disposed on said body, said brake element being directly hinged to said support element, a threaded spindle disposed within said hollow body, a nut member riding on said threaded spindle and having a part protruding through said slot and movably connected with said support element and slideably displacing said support element upon relative rotational movement of said spindle and nut member, and a link means disposed inside of said brake element and having a front end pivoted to said fuselage and a rear end pivoted to said brake element, said support element moving in the direction of flight for opening said brake and placing it in braking position and moving against the direction of flight for closing said brake and placing it into rest position.

2,254,592
BELT CLUTCH
Laurence J. Berkeley, Cleveland, Ohio
Application March 19, 1938, Serial No. 196,854
2 Claims. (Cl. 74—216.5)



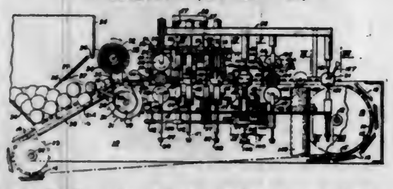
1. A belt actuated clutch pulley comprising a revoluble shaft, a plurality of spaced belt pulleys fixedly attached to said shaft, a freely rotatable bearing member mounted on said shaft between said spaced belt pulleys, a plurality of spaced belt clutch elements carried by said rotatable bearing member, a plurality of resilient elements positioned between said spaced belt pulleys and said belt clutch elements adapted to force said belt clutch elements inwardly with respect to each other and means adapted to support said resilient elements.

2,254,593
REFRIGERATING APPARATUS
Rudolph J. Eisinger, Prospect Park, and Raymond J. Ridge, Lansdowne, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 19, 1937, Serial No. 169,758
3 Claims. (Cl. 230—22)



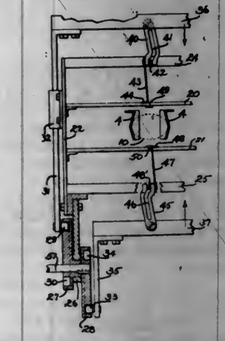
1. In a mechanical compression refrigerating system, the combination of a compressor having a crank case containing a body of lubricating oil connected in the low pressure side of the system, a normally closed pressure-equalizing valve connected between the inlet and the outlet sides of the compressor, an electrically actuated device for operating said valve and arranged to open said valve when energized and to close said valve when deenergized, an automatic control switch which closes in response to an operating condition indicating demand for operation of the compressor, a time delay device set into operation by closing of said automatic control switch and having a first set of contacts which are closed for a predetermined period of time after closing of the automatic control switch and then opened and a second set of contacts which are open for a predetermined period of time after closing of the automatic control switch and then closed, an electrical circuit for the operating mechanism of said valve extending through said automatic control switch and said first set of contacts in series, and an electrical circuit for controlling operation of the compressor extending through said automatic control switch and said second set of contacts in series, whereby said unloader valve is opened only for a predetermined period following closing of said automatic control switch and starting of the compressor is delayed to provide time for unloading.

2,254,594
FULL AUTOMATIC ORIENTATOR
Ellsworth W. Carroll, San Francisco, Calif., assignor to S & W Fine Foods, Inc., San Francisco, Calif., a corporation of California
Original application June 1, 1938, Serial No. 211,140. Divided and this application November 13, 1939, Serial No. 304,108
17 Claims. (Cl. 198—33)



1. A fruit orientating device comprising opposed rollers, means for depositing a fruit between said rollers, means for moving said rollers into resilient contact with said fruit, means for positively rotating said rollers to rotate said fruit, and means for stopping said rotation when the stem indent of said fruit is in a predetermined position.

2,254,595
APPARATUS FOR ORIENTATING FRUITS HAVING A LONG AXIS
Ellsworth W. Carroll, San Francisco, Calif., assignor to S & W Fine Foods, Inc., San Francisco, Calif., a corporation of California
Application August 9, 1939, Serial No. 289,113
7 Claims. (Cl. 198—33)



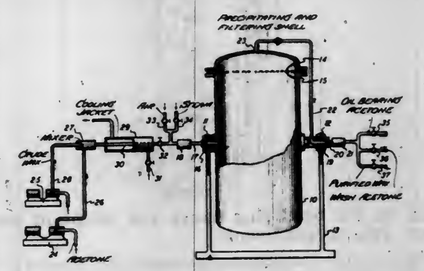
1. Apparatus for orientating ellipsoidal fruit comprising a pair of opposed arms having internal surfaces roughly shaped to fit such fruit only when said fruit is positioned therebetween with the long axis of said fruit substantially coaxial with the long axis of the space defined by said surfaces, spring means urging said arms together to grasp a fruit positioned therebetween, a turning pin positioned adjacent one end opening of said clamp arms, a second turning pin positioned adjacent the other end opening of said clamp arms, said pins being positioned on opposite sides of the long axis of said space, and means for simultaneously reciprocating said pins in and out of said space.

2,254,596
TUBE SPLICING MACHINE
Walter J. Breth and Max L. Engler, Akron, Ohio, assignors to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application January 27, 1937, Serial No. 122,623
17 Claims. (Cl. 154—9)



2. In a machine for splicing uncured rubber stock, a pair of relatively movable clamping members each having a pair of spaced stock engaging members mounted for lateral movement, one toward the other, and engageable with the two stock ends to be spliced inwardly of the end faces thereof, the stock engaging members of each pair having interfitting slidably engaging fingers which form a confining wall closely overlying the abutting ends of the stock, means for holding the clamping members in stock clamping position, and means for actuating the stock engaging members to apply pressure to the abutting stock ends.

2,254,597
METHOD OF SEPARATING PARAFFIN WAX FROM OIL
Henry G. Berger, Woodbury, N. J., and Gerald M. Fisher and Frederick C. Ruff, Los Angeles, Calif., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application December 29, 1938, Serial No. 248,194
1 Claim. (Cl. 196—19)



The method of freeing paraffin wax from accompanying hydrocarbon oils which comprises: bringing said wax to a liquid condition; introducing a high velocity stream of said liquid wax into a flowing stream of an oil solvent consisting at least in part of acetone; retarding the velocity of said mixed flowing stream in a collected body of said mixture and settling precipitated wax from solvent in said body; filtering solvent upwardly out of said collected body; reversing the position of said body, and expelling the remainder of said solvent downwardly from the wax collected in said body by said settlement and filtration.

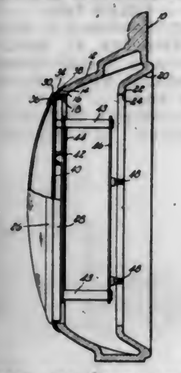
2,254,598
HOT PRESSED OR EXTRUDED ALLOYS
Reginald S. Dean, Salt Lake City, Utah, assignor to Chicago Development Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application April 29, 1940, Serial No. 332,287
6 Claims. (Cl. 75—178)

1. A hot pressed or extruded alloy of about 50% to about 75% zinc, 2% to about 15% copper, and balance substantially pure manganese, the manganese being present in proportions at least equal to that of the copper.

2,254,599
CLOCK CASING
Elof L. Carlson, Bristol, Conn., assignor to The E. Ingraham Company, Bristol, Conn., a corporation of Connecticut
Application May 10, 1940, Serial No. 334,405
3 Claims. (Cl. 58—53)

2. In a clock, a casing of ceramic material, said casing having a face opening therethrough, a bezel ring provided with a skirt extending into the face opening and an outwardly extending stop flange of greater diameter than the face opening, a ring member positioned on the bezel ring skirt and located between the outwardly extending flange thereof and the face of the casing, said ring member being of substantially greater width than the outwardly extending flange of the bezel ring and curving outwardly and rearwardly from its contact with the skirt to its engagement with the face of the casing, and means for securing said bezel ring in said casing and

drawing it in against said ring member, whereby said ring member will exert an outward ten-



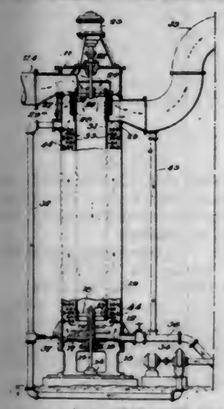
sion on the bezel ring flange and maintain the bezel ring in alignment.

2,254,600

GAS AND LIQUID CONTACT APPARATUS

Marvin W. Ditto, New York, N. Y., assignor to Emulsions Process Corporation, New York, N. Y., a corporation of Delaware

Application December 15, 1939, Serial No. 309,503
5 Claims. (Cl. 261—92)



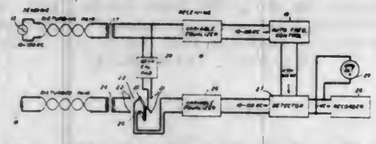
1. In an apparatus of the character described, a casing having an annular wall, a rotor arranged in the casing and spaced from the wall by an annular passageway, spaced first supporting members mounted on the wall, arranged in said passageway and projecting toward the rotor, spaced second supporting members carried by the rotor, projecting toward said wall and positioned between said first supporting members, spaced impulse elements carried by the second supporting members and extending toward the first supporting members, spaced repulse elements carried by the first supporting members and extending toward the second supporting members, the impulse and repulse elements being arranged in overlapping relation, and having confronting concave faces with apertures extending through the elements, means for introducing gas into said passageway at one point, means for discharging gas from the passageway at a point remote from that where the gas is introduced, a liquid discharge conduit leading from the casing at a point remote from the gas outlet, and means between the gas outlet and liquid discharge line for introducing liquid into said passageway.

2,254,601

AUTOMATIC MEASURING OF CROSS TALK

Edwin P. Felch, Jr., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application April 3, 1940, Serial No. 327,570
16 Claims. (Cl. 179—175.3)



1. In combination, means to produce alternating current waves, means to so control said wave producing means that alternating current waves of a predetermined frequency range are produced cyclically, and means responsive initially to an input voltage to actuate said controlling means such that initially the cyclic production of said waves is arrested and thereafter responsive to variations in said input voltage to actuate said controlling means such that said waves are produced in accordance with the variations in said input voltage.

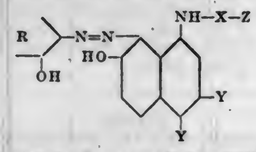
2,254,602

ORTHODIHYDROXY AZO DYESTUFFS

Richard Fleischhauer, Frankfort-on-the-Main-Fechenheim, Paul Zervas, Cologne-Muhlheim, and Adolf Müller, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application February 3, 1940, Serial No. 317,128. In Germany February 18, 1939
4 Claims. (Cl. 260—199)

1. Ortho-dihydroxy azodyestuffs of the general formula:



wherein R stands for a radicle of the benzene series, X for a member of the group consisting of —CO— and —SO_2—, one Y for hydrogen and the other for the radicle of a sulfonic acid group, Z for a member of the group consisting of alkyl groups, containing 3 carbon atoms, alkoxy-alkyl, aryloxyalkyl, cycloalkyl, cycloalkyl-alkyl, aralkyl and aryl groups (aryl meaning in each case a radicle of the benzene series), which dyestuffs yield when chromed on the fiber valuable gray shades of very good fastness particularly to fulling and potting.

2,254,603

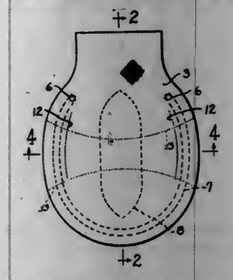
CUSHION

Huey Cox Follis, Houston, Tex.

Application September 7, 1940, Serial No. 356,733
3 Claims. (Cl. 5—327)

1. A cushion having a flexible covering, said cushion being formed substantially flat on its underside and convex on its upper side and terminating, at one end, in a narrow neck piece, a U-

shaped coil spring within, and extending around the margin of, the cover and forming a conduit whose free ends terminate in openings through the cover, a relatively soft filler for the cover, a



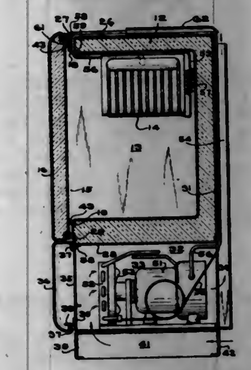
coil spring located within and extending longitudinally of the cover and partly surrounded by the filler, said coil spring being gradually reduced in diameter from its center and terminating in apexes at its ends.

2,254,604

CABINET CONSTRUCTION

Gregg F. Forsthoefel, Adrian, Mich., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 26, 1938, Serial No. 186,993
4 Claims. (Cl. 62—116)



1. In a refrigerator cabinet structure for housing a refrigerant evaporator and the conduits for conveying refrigerant thereto, the combination of spaced inner and outer shells for defining a food compartment and an access opening therefor, said outer shell having side walls, the upper portions of which are bent inwardly and their meeting edges joined for defining a top wall having a groove formed therein, said evaporator being disposed within the food compartment, and said conduit for conveying refrigerant to the evaporator being disposed in part within said groove.

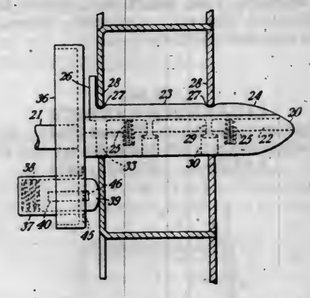
2,254,605

SPINDLE MOUNTING FOR CARRIERS

Warren Dunham Foster, Washington Township, Bergen County, N. J.

Application November 2, 1938, Serial No. 238,406
In Great Britain November 3, 1937
20 Claims. (Cl. 242—70)

1. In a spindle extending outwardly from a support and adapted for the removable and selective mounting over the end thereof relatively remote from said support of a plurality of different carriers each of different dimensions, a first stop relatively adjacent said support for limiting the inward movement of one of said carriers toward said support, a second stop disposed between said first stop and said end for limiting



the inward movement of another of said carriers toward said support, and control means for selectively determining which of said stops is in movement-limiting position to a carrier, said control means including an operating formation so disposed that it is engaged and operated by said carrier as it is being moved inwardly upon said spindle.

2,254,606

SPOOL BOBBIN

Leopoldo Da Costa Gómez, New York, N. Y.

Application September 12, 1940, Serial No. 356,488
1 Claim. (Cl. 112—251)



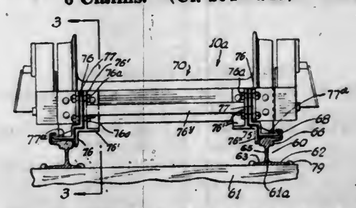
In a Celluloid or the like spool bobbin having a cylindrical shank for receiving turns of thread and a flange adjacent one end of said shank for the ends of the layers of said turns of thread to rest against, lugs mounted on said flange and engaging in grooves on said shank, and said lugs having their free ends directed outwards so as to be caught between certain of said turns of thread.

2,254,607

RAILROAD SAFETY DEVICE

Diego Guerrero, Brooklyn, N. Y.

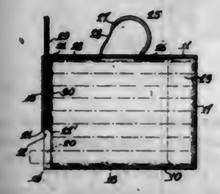
Application December 1, 1939, Serial No. 307,127
6 Claims. (Cl. 104—248)



1. In combination, a pair of rails having heads formed with channel shaped portions on the outer top edges thereof and opening inwards, a truck having flanged wheels engaging the tops and inner edges of said heads of the rails and

having a frame, a pair of inner brackets mounted on the end of said frame and having vertical bottom flanges adjacent the inner edges of said heads, a pair of outer brackets mounted on the end of said frame and slightly spaced from said inner brackets, members having horizontal walls extending over said heads and into said channel shaped portions and having vertical walls engaging between said inner and outer brackets, and fastening elements engaging through said brackets and said vertical walls.

2,254,608
CIGARETTE CARRIER
William Carl Heyer, Mount Holly, N. J.
Application March 22, 1940, Serial No. 325,326
4 Claims. (Cl. 206—41)



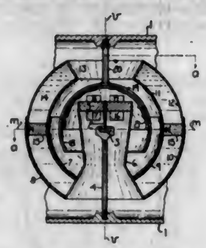
1. A casing adapted to receive a packet of cigarettes and having an opening in the lower part of an end thereof in line with the lengths of the cigarettes, a slide adapted to close the end opening, a handle acting as a carrier handle for said casing and having fixed support for one end of the handle and connections between the slide and the other end of the handle, whereby pulling on the second handle end operates the slide to permit access to the cigarettes.

2,254,609
LEAKAGE INDICATOR COMPOSITION
William W. Kinzer, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
No Drawing. Application February 4, 1938, Serial No. 188,783
5 Claims. (Cl. 252—379)

1. A leakage indicator for application to the surfaces of liquid handling equipment adapted, when dry, to detect leakage of a contained liquid selected from a class consisting of oil and water immediately after its occurrence, which comprises a composition including a pigment, a binder, and a dye soluble in the contained liquid suspended in a vehicle in which the dye is insoluble, at least a portion of said dye being instantly dissolvable by escaping liquid to stain the applied composition thereby indicating liquid leakage immediately upon its occurrence.

2,254,610
MAGNETIC COMPASS
Karolus E. Kunze, Derry, Pa., and Theodore L. Soo-Hoo, Washington, D. C.
Application December 17, 1938, Serial No. 246,440
7 Claims. (Cl. 33—223)

1. In a magnetic compass, the combination of a case; a directive magnet system; means for supporting said directive magnet system for three degrees of angular freedom, within said case; magnetic means for continuously exerting a lifting force on said directive magnet system, without inhibiting said angular freedom; and closed containers, fixed to said directive magnet system and containing damping liquid, whereby the angular oscillations of said directive magnet



system are damped by liquid carried entirely by the aforesaid closed containers.

2,254,611
VACUUM CLEANER
Gustaf Einar Lofgren, Riverside, Conn., assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application April 6, 1938, Serial No. 200,363
4 Claims. (Cl. 285—75)



1. An insulating coupling for connecting an air hose in an opening of a vacuum cleaner including a tube of non-metallic material secured in the opening of the vacuum cleaner, a sleeve of metallic material secured within said tube and having an inturned flange, and a hose coupler inserted into the sleeve with latches engaging the inturned flange of said sleeve to connect said hose within said tube.

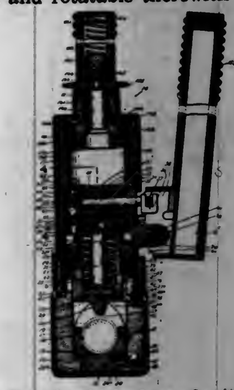
2,254,612
RUBBER BONDED ABRASIVE ARTICLE AND MIX
Richard H. Martin, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
No Drawing. Application January 22, 1940, Serial No. 315,025
3 Claims. (Cl. 51—299)

1. A screenable, pourable, dry, granular mix consisting of abrasive granules each coated with only rubber as an organic bond with sulphur and a filler of inert material to the extent of at least 25% by volume of the bond (rubber, sulphur and filler).

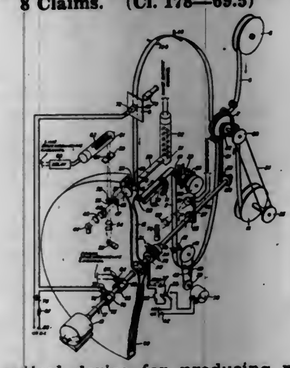
2,254,613
HYDRAULIC PRESS
Irving Frederick Matthysse, New York, N. Y.
Application August 13, 1938, Serial No. 224,820
3 Claims. (Cl. 140—113)

1. A hydraulic press comprising a body having an oil reservoir, a ram, a chamber therefor, a piston for forcing the oil from the reservoir into the ram chamber for propelling the ram, and a head rotatably mounted on said body for supporting the object to be pressed and attached to

said ram and rotatable therewith as a unit, independently of said body and without loosening therefrom.



2,254,614
ELECTRO-OPTICAL SCANNING SYSTEM
Charles F. Mattke, Jackson Heights, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 15, 1937, Serial No. 169,117
8 Claims. (Cl. 178—69.5)



1. An optical device for producing recurring impulses of radiant energy of short duration, comprising a source of light, means to illuminate a small aperture, a movable lens, a reflector in the path of light rays from said aperture through said lens for reflecting rays back through said lens, said aperture, lens and reflector being so located that an image of said aperture is formed outside the plane of said aperture by reflected rays, means to move said lens past said aperture and reflector periodically, and means to utilize the rays from said image only while said lens is traversing a small portion of its path between said aperture and reflector.

2,254,615
PRODUCTION OF SATURATED CARBONYLIC COMPOUNDS
Sumner H. McAllister, Lafayette, and William A. Bailey, Jr., Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of California
No Drawing. Application November 28, 1940, Serial No. 367,566
11 Claims. (Cl. 260—593)

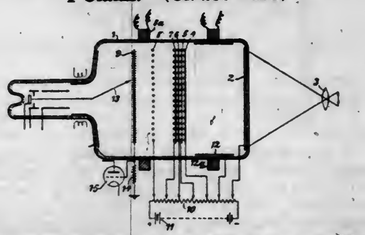
1. A process for recovering substantially pure methyl isobutyl ketone from mixtures thereof with mesityl oxide, which comprises commingling said mixture with an aqueous sodium hydroxide solution having a normality of between about 0.1N and 1.0N, subjecting the aqueous mixture thus formed to a temperature of about 150° C. and to a superatmospheric pressure sufficient to maintain a substantial portion of the reactants in a liquid state, thereby selectively converting the mesityl oxide into acetone, separately removing the acetone thus formed, and recovering substantially pure methyl isobutyl ketone from the remaining aqueous mixture.

2,254,616
MANUFACTURE OF GRIDS FOR USE IN ELECTRON DISCHARGE DEVICES
James Dwyer McGee, Ealing, London, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application October 25, 1938, Serial No. 236,867
In Great Britain October 26, 1937
2 Claims. (Cl. 250—27.5)



1. An electrode structure for use in an electron discharge device comprising a first electrically conducting grid or mesh of high secondary electron emissive material, a layer of insulation on one side of the mesh, a second grid or mesh of conducting material secured to the insulation so that the interstices of the meshes are in alignment and will permit the passage therethrough of electrons, said second grid being adapted to be maintained at a positive potential with respect to said first grid whereby the secondary electrons emitted from said first grid may be directed and accelerated through the interstices of the meshes.

2,254,617
ELECTRON DISCHARGE DEVICE
James Dwyer McGee, Ealing, London, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application October 27, 1938, Serial No. 237,217
In Great Britain October 28, 1937
1 Claim. (Cl. 250—175)



An electron discharge device comprising a planar source of electrons constituting a current image, an electron responsive electrode positioned parallel to the source of electrons, a plurality of secondary electron emitting electrodes positioned in parallel relationship between the source of electrons and the electron responsive electrode, each of said secondary electron emitting electrodes comprising a thin electron permeable metallic film mounted on a grid-like supporting

structure, means positioning said secondary electron emitting electrodes in relatively closely spaced relationship, means to focus the electrons from the source upon the first of the secondary electron emitting electrodes, the secondary electrons from the last secondary electron emitting electrode being adapted to be focussed upon the electron responsive electrode, and leads whereby the secondary electron emitting electrodes may be maintained at increasingly positive potentials with respect to the source of primary electrons, the spacing between the secondary electron emitting electrodes being less than one millimeter.

2,254,618

TREATMENT OF SPENT CATALYSTS

Frank M. McMillan and George S. Parsons, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application March 4, 1940, Serial No. 322,208
8 Claims. (Cl. 252—238)

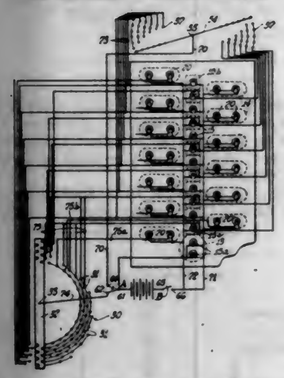
1. A process for regenerating spent catalysts which comprises the steps of treating a catalyst comprising aluminum halide and an adsorptive alumina with a base of sufficient strength to selectively convert the aluminum halide into a soluble aluminate, washing the carrier to remove excess base, drying the washed carrier material, and recombining the recovered carrier with a fresh portion of aluminum halide.

2,254,619

SIMULATED AMUSEMENT THERMOMETER

John F. Meyer, Chicago, Ill., assignor to The Exhibit Supply Company, Chicago, Ill., a corporation of Illinois

Application April 4, 1940, Serial No. 327,743
13 Claims. (Cl. 177—384)



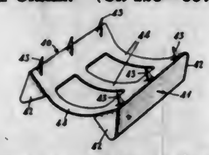
1. A device of the class described comprising, in combination, lamps arranged in a series for illumination to simulate the rising of a thermometer column, means under the control of an operator for connecting said lamps successively in an energizing circuit to illuminate the same serially for the purpose aforesaid, means coacting with said first-mentioned means for automatically illuminating certain of said lamps as a group following each serial illumination thereof to give an indication of the height to which said simulated column has risen upon each operation of the device by the operator as aforesaid, and means coacting with said first and second-mentioned means for automatically changing the grouping of said lamps for illumination by said second-mentioned means each time the device is operated as aforesaid.

2,254,620

CLIP

George I. Miller, Brooklyn, N. Y.

Application November 14, 1939, Serial No. 304,340
1 Claim. (Cl. 128—337)



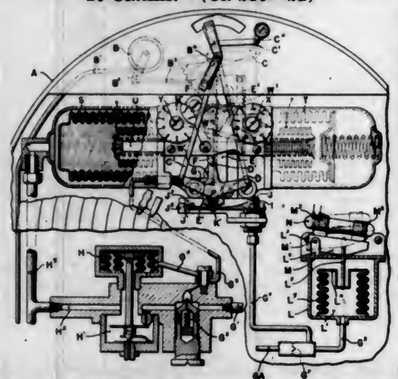
A wound clip, comprising hollow bars of appreciable length, bendable webs interconnecting said bars, spiculas carried by said bars, and flanges covering at least some of the ends of said hollow bars.

2,254,621

PNEUMATIC CONTROL DEVICE

Coleman B. Moore, Carroll Park, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania

Application August 14, 1937, Serial No. 159,202
10 Claims. (Cl. 236—21)



10. In a control instrument, the combination with pneumatic means normally operative to control a variable condition, and comprising means responsive to said variable condition and a condition controlling device actuated by said condition responsive means, a valve mechanism supplied with air under pressure and actuated by said condition responsive means, a pressure motor controlled by said valve mechanism, an electrical switching device actuated by said motor on the attainment by said condition of a predetermined value, and control means additional to said controlling device and actuated on the actuation of said switching device to control said condition.

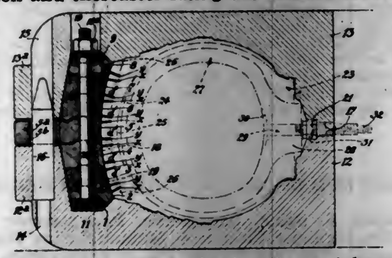
2,254,622

METHOD FOR FORMING TIRES WITH RIBS OF DIFFERENT COMPOSITIONS

Max C. Overman, New York, N. Y.

Application May 10, 1939, Serial No. 272,826
4 Claims. (Cl. 18—59)

3. The method of making a tire having alternate black, and white ribs, which comprises initially filling alternate annular concavities of a rib mold having a number of circumferentially extending concavities with a white colored composition and thereafter filling the unfilled concavities of the rib mold by forcing the periphery of an unvulcanized tire body against the face of the mold causing black rubber composition from the tread portion of the tire to flow into the said unfilled concavities.

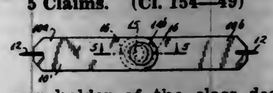


2,254,623

RUG CORNER HOLDER

William H. Porter, Northport, N. Y., and Clarence M. Porter, Lakeside, Pt. Clair, Quebec, Canada

Application April 15, 1940, Serial No. 329,678
5 Claims. (Cl. 154—49)



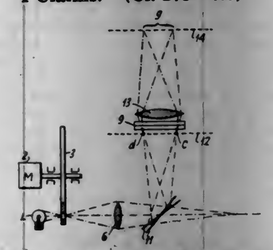
1. In a rug holder of the class described, a flexible stiff strip, a pair of outwardly directed pointed elements, mounted on said strip and engageable into the bottom face of said rug for maintaining said strip in position on the bottom face of said rug, said strip being formed of separate sections having their adjacent ends overlapped, and means for securing said overlapped ends together in a manner to be extended to increase the overall length of said strip and so prevent said pointed elements from becoming disengaged from said rug.

2,254,624

DEVICE FOR SCANNING FILMS

Herre Rinia, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application May 23, 1939, Serial No. 275,142
In the Netherlands May 28, 1938
4 Claims. (Cl. 178—7.6)



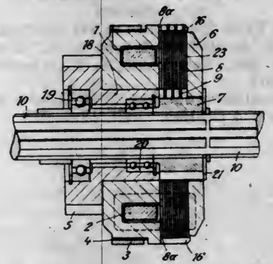
1. A device for scanning films to produce a series of television signals including a source of light, means for moving a light beam emitted by said source in a horizontal direction at a predetermined rate of speed, means for simultaneously moving the beam of light in a vertical direction at a different rate of speed, a first lens system to concentrate the beam of light into a cross-section of substantially elemental area at the plane of the film, a light responsive cell positioned to receive the light beam after its transmission through the film, a second lens system including a cylindrical lens positioned between the film and the light responsive cell for projecting an image of said first lens system on the light responsive call so that the light transmitted by the film is projected on to a substantially fixed and reduced area of the cathode of the light responsive cell whereby the illuminated area of the cathode of the cell will not be altered by the movements of the beam of light.

2,254,625

ELECTROMAGNETIC MULTIPLE-DISK CLUTCH

Anton Ryba, Bolzano, Italy, assignor, by mesne assignments, to Societa Antonio Ryba a garanzia limitata, Bolzano, Italy

Application November 24, 1937, Serial No. 176,339
In Germany November 24, 1936
3 Claims. (Cl. 192—84)



1. In an electromagnetic multiple-disk clutch, a pair of clutch members, an electromagnet on one of said clutch members, and thin springy disks made of ferromagnetic material alternately operatively connected to the respective clutch members, said disks leaving air gaps between two adjacent disks when demagnetized and adapted to bear against each other by yielding in response to the increasing axial pressure of the magnetic force due to their springiness thus substantially eliminating said air gaps, each disk defining perforations in circular arrangement about the axis of the clutch.

2,254,626

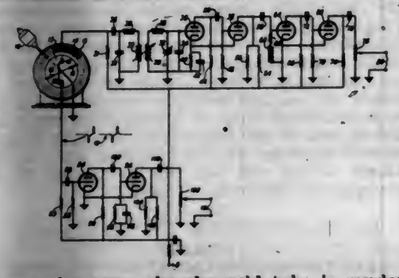
TELEVISION SYNCHRONIZING SIGNAL IMPULSE GENERATOR

Otto H. Schade, West Caldwell, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application March 21, 1940, Serial No. 325,208
12 Claims. (Cl. 178—69.5)

1. A television synchronizing impulse generator comprising means for generating a voltage variation of substantially sinusoidal wave form, means responsive to the generated sinusoidal wave form for producing impulses of a predetermined frequency and of a short duration as compared to the time interval between impulses, a capacitance and an inductance connected in series, means for applying the produced impulses across said capacitance and inductance for differentiation thereby so that very short positive and negative voltage variations will be developed across said inductance corresponding to the beginning and end of each applied impulse, a

discharge tube having a cathode, a control electrode and an anode, means for impressing the developed very short voltage variations between the control electrode and the cathode of said



tube, and means whereby said tube is rendered conductive only when the voltage variations of positive polarity are impressed thereon so that very short impulses of the said predetermined frequency are present at the anode of said tube.

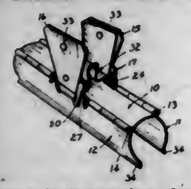
2,254,627

CLIP FOR HAIR WAVING APPARATUS

Herman C. Schlicker, Brooklyn, N. Y., assignor to Clairol, Inc., New York, N. Y., a corporation of New York

Application December 11, 1940, Serial No. 369,575

4 Claims. (Cl. 132—31)



1. A clip for a hair waving device comprising a center bridge member of substantial width, two arcuate side members hingedly connected along opposite ends of said bridge member, the free ends of said side members being curved, springs pressing said free ends towards each other, a grip extending from each side member, and a flat spring connecting said grips in a manner to partly counteract the action of said springs to prevent complete collapse of said jaws when not in use.

2,254,628

PRECOMBUSTION L-HEAD FOR DIESEL ENGINES

Peter Simsich, Brooklyn, N. Y.

Application October 25, 1939, Serial No. 301,166

5 Claims. (Cl. 123—33)



1. A super-heater for Diesel engines, comprising a cylinder head having a combustion space for connection with a cylinder, a pump supplied fuel nozzle discharging into said combustion space, a heat confining container mounted in said combustion space and having an inlet opening in line with said fuel nozzle for receiving some of the discharged fuel, and a plurality of outlet discharge slots directed towards said cylinder, an incandescent plug mounted in said container, and means for regulating said outlet discharge slots, comprising a disc adjustably mounted on the wall of the container and having slots alignable with said outlet slots, and said disc being adjustable to move said aligning slots out of alignment with each other to various degrees.

2,254,629

METHOD OF MANUFACTURING TURBINE BLADES

Samuel S. Stine, Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 26, 1939, Serial No. 296,567

2 Claims. (Cl. 80—60)



1. The method of rolling strip for sectioning into turbine blades, said strip being of an unsymmetrical section having rounded blunt inlet and thin sharp outlet edges and curved faces merging into the rounded blunt edge and converging to provide the sharp edge, one of said faces being convex and the opposed face being concave, said method comprising providing stock of circular cross section; heating said stock, and while heated, rolling it to form a shape which is elongated transversely and has curved edges, rolling the shape by the application of rolling pressure to the curved edges to secure uniformity of width, and then rolling the shape to form a double strip wherein a pair of strips are joined at their thin edges; and, when cold, cold-rolling the hot-rolled double strip to provide burnished and smooth blade surfaces and then severing the cold-rolled double strip to provide separate strips.

2,254,630

PIGMENT MATERIAL AND PROCESS OF PRODUCING SAME

Roy W. Sullivan, Cragmere, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 4, 1938, Serial No. 211,797

22 Claims. (Cl. 106—294)

1. In a process for the production of improved dry pigments for use in organic media the step which comprises adding to a white pigment material between about 0.05% and about 0.8%, based upon the weight of the pigment, of a member selected from the group consisting of naphthenic acid and salts thereof, and thereafter milling to obtain intimate association of said naphthenate material and pigment.

2,254,631

GAS LIFT VALVE

Clyde V. Temple, Tyler, Tex., assignor to The Guiberson Corporation, Dallas, Tex., a corporation of Delaware

Application September 2, 1937, Serial No. 162,114

12 Claims. (Cl. 103—232)

1. In combination with a flow line positioned in a well, a gas lift pumping device, including a pressure operated main valve member to open or close a passageway leading into the flow line for controlling the admission of gas into the flow line, a spring tending to open said main valve member, said main valve member being provided with a shoulder and a longitudinally extending vent



opening into the passageway, a pilot valve seated on said shoulder and controlling the gas pressure acting on said main valve member, and spring means seated on said shoulder and tending to move the pilot valve away from said main valve member so as to open said vent to release gas trapped between the main and pilot valves.

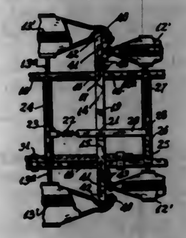
2,254,632

AUTOMATIC BRAKE FOR BABY CARRIAGES

John Teska, New York, N. Y.

Application February 29, 1940, Serial No. 321,374

6 Claims. (Cl. 188—20)



1. In combination with a baby carriage having a frame with a handle portion at the rear and wheels at the sides, a pair of brake arms transversely of the frame and pivotally and slightly slidably mounted on the sides of the frame and having projecting end portions engaging said side wheels, a pintle pivotally connecting the inner end of one of said brake arms with an intermediate portion of the other, a longitudinal rod pivotally connected with the free inner end of said latter brake arm, resilient means urging said rod rearwards, a pivoted transverse lever connected at one end with said rod, a cable connected with the other end of said lever, means guiding said cable rearwards to said handle, movable elements on said handle for drawing said cable to move the brake arms free from said side wheels, additional side wheels on said frame and having internal brake drums, and brake shoes mounted on said brake arms for engaging the said brake faces.

2,254,633

GLASS COMPOSITION AND PRODUCTS THEREOF

Edgar D. Tillyer and Harold R. Moulton, Southbridge, and Townsend M. Gunn, Attleboro, Mass., assignors to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts

No Drawing. Application May 26, 1939, Serial No. 275,958

5 Claims. (Cl. 106—36.1)

1. A vitreous composition whose analysis is expressed as:

	Per cent
Zinc oxide	40 to 60
Boric anhydride	40 to 60

and a stabilizer introducing from 0.5 to 2.5% beryllium, based on the batch.

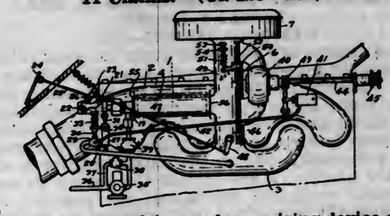
2,254,634

CARBURETOR

Guy Tomsic, New York, N. Y.

Application May 4, 1938, Serial No. 205,925

11 Claims. (Cl. 123—133)



11. A fuel atomizing and vaporizing device comprising a source of fuel under a pressure greater than atmosphere, a vaporizing chamber, a needle valve connecting the fuel source to the vaporizing chamber to control the fuel, an air inlet for starting only, means closing the air inlet when a predetermined temperature is reached, a mixing chamber having an air inlet, the vaporizing chamber discharging into said mixing chamber through an opening substantially equal to the internal area, in cross section, of the vaporizing chamber, and a throttle to control the said needle valve and also the resulting mixture in the mixing chamber.

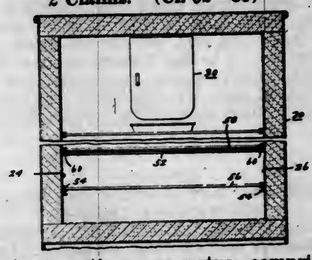
2,254,635

REFRIGERATING APPARATUS

Chester S. Trigg, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application November 4, 1938, Serial No. 238,842

2 Claims. (Cl. 62—89)



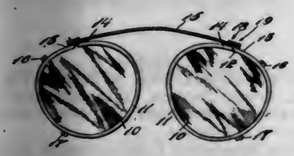
1. A refrigerating apparatus comprising in combination, a cabinet having a plurality of walls defining a food storage compartment therein, a cooling element of a closed refrigerant circulating system within said cabinet for chilling and causing circulation of air in said food compart-

ment, a plurality of vertically spaced apart sets of supports on the side walls of said food compartment, a horizontally disposed shelf supported upon each of said sets of supports, said plurality of sets of supports being provided with means for receiving and supporting a partition independently of the shelves thereon and directly from the food compartment side walls, a partition supported by the means of one set of said supports below and in a horizontal plane closely adjacent the plane of the shelf supported thereon, said partition dividing said food storage compartment into upper and lower sub-compartments adapted to be maintained at different temperatures relative to one another, and said partition being removable from said one set of supports and receivable by the means on another set of said supports below the shelf supported thereon for changing the size of said sub-compartments.

2,254,636
MEDICINAL PRODUCT
Verl D. Vangunten, Cleveland, Ohio
No Drawing. Application May 11, 1938, Serial No. 207,305
6 Claims. (Cl. 167—58)

1. A temporary skin substitute for application to abrasions, cuts and open sores containing a base material in the form of an inorganic pigment from the group consisting of lead oxide, zinc oxide and zinc resinate, a drying oil which has been heated and maintained at a temperature sufficiently long so that upon cooling it will surface harden; a solvent for the drying oil and a topical medicinal substance; the product being normally semi-fluid until exposed to the air; then surface hardening to scab-like consistency in about one hour.

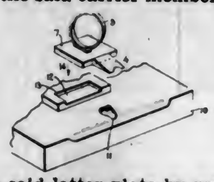
2,254,637
OPHTHALMIC MOUNTING
James W. Welsh, Providence, R. I., assignor to Welsh Manufacturing Company, a corporation of Rhode Island
Application January 3, 1940, Serial No. 312,218
1 Claim. (Cl. 88—47)



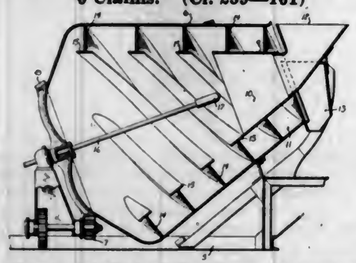
In an ophthalmic mounting having a pair of split lens rims, each having an inner nasal end and an outer rim end, an eye provided on each outer rim end, a bridge having each end bifurcated with fingers engaging each eye, and a guide on the nasal ends of said rims embracing the bridge for sliding therealong to and from closed position.

2,254,638
METHOD AND APPARATUS FOR MOLDING ARTIFICIAL TEETH
Heiner Wienand, Buchschlag, Germany
Application July 12, 1938, Serial No. 218,725
In Germany April 22, 1937
9 Claims. (Cl. 18—5.7)

4. An auxiliary molding device for use in the molding of artificial teeth comprising a baseplate, a further plate superimposed on the said baseplate and formed with molding surfaces, a locating member on said latter plate and a carrier member, the said carrier member being positioned on the said latter plate by means of said locating member.

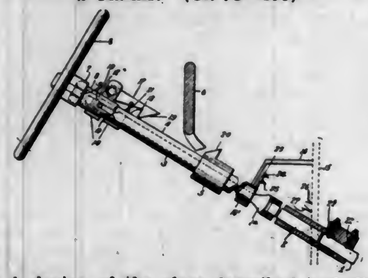


2,254,639
CONCRETE MIXER
Milton L. Andrae, Milwaukee, Wis., assignor to The T. L. Smith Company, Milwaukee, Wis., a corporation of Wisconsin
Application January 17, 1940, Serial No. 314,270
6 Claims. (Cl. 259—161)



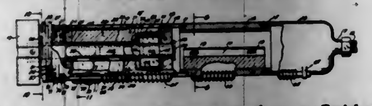
1. In a rotatable mixing drum: a mixing blade on the inner wall of the drum, said blade being spirally arranged with relation to the axis of the drum and having a substantially T-shaped cross section with the head of T spaced from and overlying the adjacent portions of the drum wall so that said portions of the drum wall in coaction with the adjacent convolutions of the blades and the flanges formed by the head of the T form a partially enclosed spiral trough leading from one end of the drum to the other and communicating with the interior of the drum through the space between the flanges on adjacent convolutions of the blade.

2,254,640
SAFETY STEERING WHEEL
Fred Baker, Milwaukee, Wis., assignor of two-thirds to Nathan Sherman and Victor Baker, Milwaukee, Wis.
Application June 17, 1936, Serial No. 85,651
2 Claims. (Cl. 74—493)



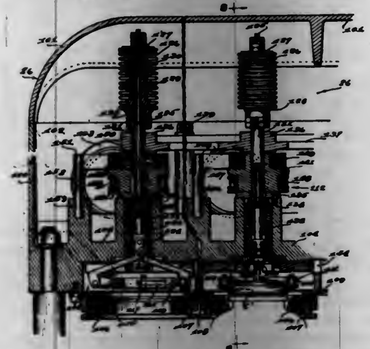
1. A device of the class described including a connecting shaft, a second shaft movable longitudinally relative thereto, a sleeve on the second shaft, a second sleeve on the outer end of the first sleeve, a cap fitted over the outer end of the second sleeve, a stub shaft within the second sleeve, means universally connecting the stub shaft with the outer end of the aforementioned second shaft, a steering wheel carried by said cap, means operated upon movement of the second shaft and steering wheel relative the connecting shaft for releasing the wheel to permit the same to swing to a position substantially parallel to the front dash of a vehicle and stop blocks carried by said first and second sleeves respectively for limiting the swinging movement of the steering wheel.

2,254,641
EARTH-BORING APPARATUS AND MOTOR THEREFOR
Clyde E. Bannister, Bartlesville, Okla.
Application December 13, 1939, Serial No. 308,978
23 Claims. (Cl. 255—4)



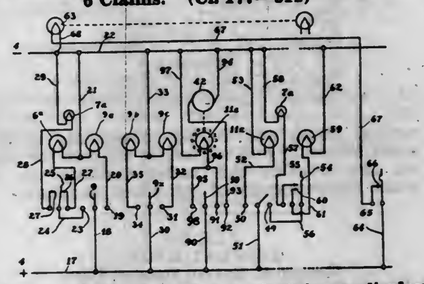
1. A motor comprising a casing, a fluid-abutment member therein, a hollow shaft to be oscillated, a shaft impeller rigid with said shaft, a valve member within said hollow shaft, the shaft and the valve member being formed with registrable ports, fluid-actuated means for controlling the movements of the said valve, and a pilot-valve for controlling the action of said fluid-actuated means.

2,254,642
APPARATUS FOR VACUUM SEALING CONTAINERS
Herbert A. Barnby, William B. Hullhorst, and Charlton P. Whittier, Toledo, Ohio, assignors to Owens-Illinois Glass Company, a corporation of Ohio
Application August 11, 1939, Serial No. 289,692
33 Claims. (Cl. 226—82)



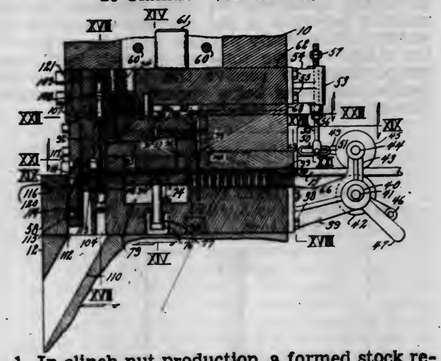
13. In apparatus for applying a closure to a container, closure engaging means, vacuum operated mechanism for actuating said means and causing the latter to attach the closure to a container, a spring device opposing operation of said mechanism and functioning upon completion of the closure applying operation to reverse said mechanism, a vacuum chamber enclosing a portion of the container, the closure, closure engaging means and at least a portion of said mechanism, and means for exhausting the air from said chamber.

2,254,643
SERVICE SIGNALING SYSTEM
William H. Clehm, Coldwater, N. Y.
Application April 18, 1938, Serial No. 202,646
6 Claims. (Cl. 177—311)



1. In a signaling system embodying a display register of ordered acts, the combination with a signal board having a column of designations of units to be entered for attention, a plurality of relatively transverse rows of designations of different acts to be selectively performed upon said units, a signal for each such act designation in each row individual to that particular unit thereof, a selective control board embodying banks of circuit closers, individual pilot signals associated with appropriate individual designations to indicate response thereto, and electrical circuits connecting the respective circuit closers with the respective signals including the pilot lights.

2,254,644
CLINCH NUT PRODUCTION
Walter F. Cousino, Toledo, Ohio, assignor of one-half to Albert A. Leclerc, Detroit, Mich.
Application December 11, 1939, Serial No. 308,598
10 Claims. (Cl. 10—76)

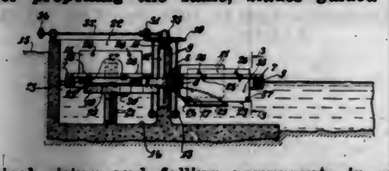


1. In clinch nut production, a formed stock reworking machine embodying a press for delivering a succession of impacts, opposing dies in said press having complemental ways for receiving and directing a strip of stock, a transmission connection from the press for feeding the stock between the dies between the impact operations of the press, and a die section movable by press impact transversely of said impact.

2,254,645
FLOATING WATER WHEEL
Frank Doverspike, New York, N. Y.
Application November 9, 1940, Serial No. 365,055
10 Claims. (Cl. 170—118)

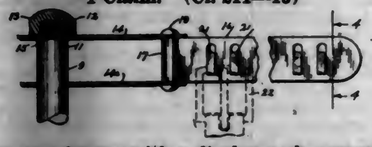
1. A water wheel, comprising a buoyant wheel

structure confined to rotate on a vertical axis while sustained in free floating relation in the water propelling the same, blades guided for



vertical rising and falling movements in said wheel structure and a floating support for raising and lowering the blades, sustained in the water independently of the wheel structure.

2,254,646
DISPLAY RACK
George R. Eaton, Denver, Colo.
Application February 7, 1940, Serial No. 319,459
1 Claim. (Cl. 211—13)



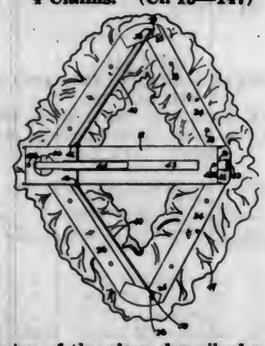
An arm for use with a display rack, comprising a strip of metal having a reverse bend at its center, the bent portion being provided with bearing means for the reception of a pivot pin, the two parts on opposite sides of the center being straight and positioned with adjacent sides in contact, and means for attaching the two parts together to prevent spreading, each of the two parts having a plurality of spaced pairs of tongues extending transversely, the tongues being attached at their lower ends to the strip, that portion adjacent the point of attachment extending outwardly for some distance, the remaining portions of the tongues extending upwardly substantially parallel with the surface of the strip, the two tongues of each pair being spaced apart to receive the tongue of a belt buckle, the pairs being spaced apart a greater distance than the tongues of each pair.

2,254,647
VEHICLE WINDOW SHADE
Thomas C. Gallagher, Tatum, N. Mex.
Application May 8, 1940, Serial No. 334,061
9 Claims. (Cl. 156—10)



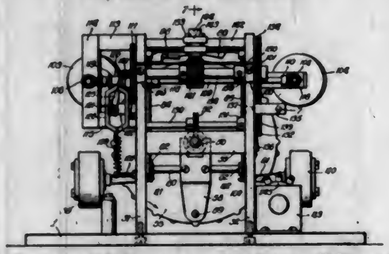
3. In a vehicle window shade, a bar to be fixed adjacent the vehicle window, a sleeve on the bar including a non-circular section frictionally engaging the bar whereby the sleeve is secured against casual rotation from a set position, and a panel fixedly secured to the sleeve.

2,254,648
MOP
Joseph B. Gilsdorf, Huber, Oreg.
Application March 8, 1940, Serial No. 322,907
4 Claims. (Cl. 15—147)



4. A device of the class described consisting of a four sided mop holder the corners of which are hinged together and having a diagonal brace across two of the corners thereof, means for adjusting the setting of said brace to change the shape of said mop holder without changing its perimeter, mop holding elements attached to said holder and means for drawing the device in a line parallel to said brace.

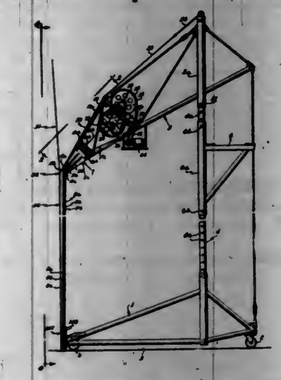
2,254,649
RECORDING APPARATUS
Thomas B. Gibbs, Chicago, Ill.
Application March 25, 1937, Serial No. 133,071
27 Claims. (Cl. 73—51)



2. In a watch timing apparatus, a disk, means for driving said disk at a constant predetermined speed, a record tape, means for moving said tape past the edge of said disk in a direction parallel to its rotation axis, projections on said disk rotated successfully across the line of travel of the tape, printing means adapted to cooperate with said projections to make successive record marks on the tape, and means responsive to the beats of a watch being tested for actuating said printing means.

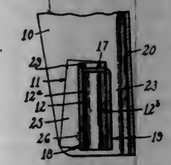
2,254,650
STAGE CONSTRUCTION
Anton F. Grot, Los Angeles, Calif.
Application July 22, 1940, Serial No. 346,788
20 Claims. (Cl. 272—10)

1. A stage construction for producing shifting light and shadow patterns to simulate the appearance of a body of water, comprising: frame means; a plurality of screens movably mounted on said frame means and disposed in superimposed relation in the direction of light travel



and each providing a plurality of relatively opaque areas interspersed with relatively transparent areas; and means for reciprocating said screens with respect to said frame means in phase displaced relation.

2,254,651
CASTER MOUNTING
Walter F. Herold, Bridgeport, Conn., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut
Application December 11, 1939, Serial No. 308,567
5 Claims. (Cl. 16—29)

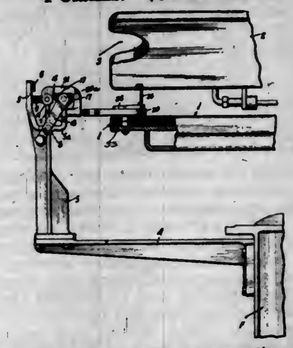


1. In a caster mounting for a channel-shaped leg member having a front wall and rearwardly directed side walls, the combination of a plate within said member having side flanges fastened to the side walls of the channel member and having a forwardly facing socket portion formed therein, and a plate disposed in front of said first plate and attached thereto and creating in conjunction with said first plate a complete spindle-receiving socket for a caster, said socket being spaced substantially inwardly from the front wall of the leg.

2,254,652
METHOD OF PREPARING HIGHER FATTY ACID ESTERS OF CELLULOSE
Gordon D. Hiatt and Carlton L. Crane, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application August 16, 1940, Serial No. 352,918
10 Claims. (Cl. 260—225)

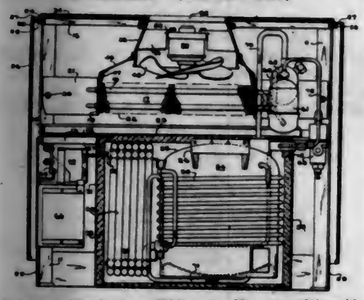
1. A method of preparing cellulose esters of aliphatic acids of 10–18 carbon atoms which comprises reacting upon a cellulosic material containing esterifiable hydroxyl groups with a reaction mixture free of sulfuric acid, comprising an impelling anhyride, a solvent, an aliphatic acid of 10–18 carbon atoms and phosphoric acid as the catalyst until a substantial amount but not all of the esterification has occurred, then adding sulfuric acid catalyst to the mass and completing the esterification.

2,254,653
PRESSING MACHINE CLAMP
Walter A. Hoch, Forest Hills, N. Y., assignor to New York Pressing Iron Company, Inc., New York, N. Y., a corporation of New York
Application March 22, 1940, Serial No. 325,351
4 Claims. (Cl. 38—13)



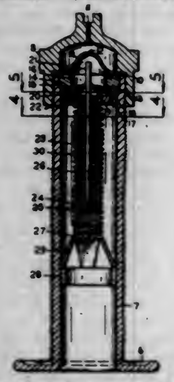
1. In combination with a pressing machine which has a buck and a frame, a first clamp mounted on said buck and having an upstanding clamping flange, an arm laterally spaced from said buck and rotatably connected to said frame, a first shaft turnably connected to said arm above the axis of rotation of said arm relative to the frame, a head fixed to said first shaft and rotatable relative to said arm, a second and resilient clamp connected to said head and turnable in unison with said head relative to said arm, the second clamp and the head being movable relative to each other in a direction perpendicular to the axis of rotation of said head relative to said arm, first spring means yieldably maintaining the second clamp in normal position relative to said head, second spring means yieldably maintaining said arm in predetermined normal position relative to the first clamp, a first gear keyed to said first shaft, a second shaft turnably connected to said frame and laterally spaced from said buck, said second shaft having a second gear which meshes with the first gear, the second clamp having an outer end-portion of substantially the same contour as said flange, said outer end-portion being spaced laterally from said flange when the head is turned downwardly until said end-portion is below the top of said flange and while said second clamp and said arm are in their respective normal positions, said shafts having respective cooperating members which abut each other when said head has been turned downwardly to the aforesaid position, said cooperating members then turning said arm laterally away from said first clamp against the force of the second spring means, and thus moving said end-portion laterally towards said flange until said end-portion is in operative clamping position, and its further lateral movement is stopped, the second clamp being then out of its normal position relative to said head and said first spring means then urging the second clamp laterally towards the first clamp.

2,254,654
AIR CONDITIONING APPARATUS
Richard E. Holmes, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 1, 1936, Serial No. 113,557
8 Claims. (Cl. 62—140)



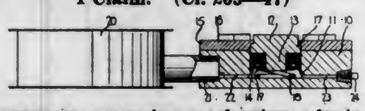
1. In a unit air conditioner, the combination of a frame including vertical members, a horizontal connection between said members intermediate the upper and lower ends thereof, an evaporator carried by said frame above said connection, a drip pan below said evaporator carried by said connection, a motor-compressor unit disposed beneath said connection and suspended therefrom, a condenser disposed beneath said connection and carried by said frame, a top wall mounted on the top of said frame, and a removable tubular or skirt casing member providing vertical walls supported by said frame, said casing member being adapted to be telescoped over the top of the frame.

2,254,655
AUTOMOBILE TIRE PRESSURE RELIEF VALVE
Everet Hollowell, Kansas City, Kans.
Application September 20, 1939, Serial No. 295,720
2 Claims. (Cl. 137—69.5)



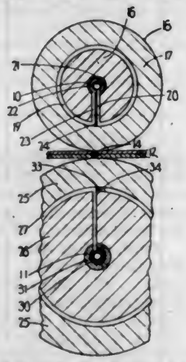
2. A tire valve structure comprising a stem interiorly threaded at its outer end, a ported seat plug supported by said threads and having an annular insert surrounding the port and facing the inner end of the stem, a cup-shaped inwardly opening inflation valve disc mounted for rim engagement with the seat insert, a shoulder supported within the stem at a point remote from said seat plug, a spring seat in engagement with the shoulder and a compression spring interposed between the valve disc and said spring seat, an air passage through the valve disc and a second annular insert in said valve disc surrounding said air passage, an outwardly opening cup-shaped relief valve member mounted for rim engagement with said second annular insert, a pin on said valve member and projecting through said passage to a point below said valve disc and extending coaxially of said spring, a second compression spring within the first mentioned spring and surrounding said pin, said second spring engaging at one end the said inflation valve disc and at the other end engaging an adjustable abutment on the inner end of said pin.

2,254,656
PRESSURE INDICATOR
Lorenzo Kennon, Burbank, Calif., assignor to Lockheed Aircraft Corporation, Burbank, Calif.
Application May 6, 1940, Serial No. 333,646
1 Claim. (Cl. 265—47)



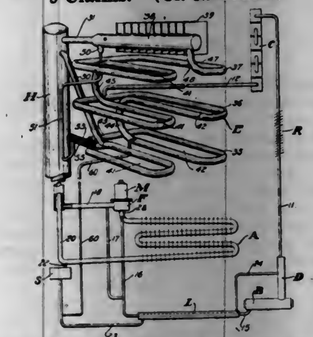
A pressure measuring mechanism adapted for insertion between the electrodes of a spot or roll electric resistance welding machine, comprising a base member having a vertical cylindrical recess in one face thereof, a pressure gauge attached to one side of said base member in direct but restricted communication with the inner end of said cylindrical recess, a concentrically shouldered piston slidingly engaging in said cylindrical recess, a central boss projecting inwardly from said piston, annular expansible packing means disposed between the boss and the cylindrical recess and adapted to sealingly contact both the piston boss and the walls of said recess, a coiled spring seating in said packing means and against the bottom of the recess, a centrally apertured cover normally seating against the shoulder of said piston and secured to said base member whereby to limit the outward movement of said piston, and means for completely filling the gauge and cylindrical recess with fluid to eliminate entrapped air.

2,254,657
ROLL WELDING ELECTRODE
Lorenzo Kennon, Burbank, Calif., assignor to Lockheed Aircraft Corporation, Burbank, Calif.
Application May 13, 1940, Serial No. 334,748
8 Claims. (Cl. 219—4)



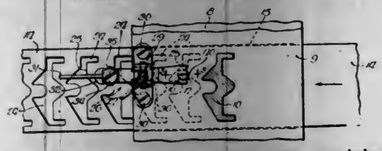
1. In a contact roll for electric resistance welding machines, a ring member forming the contacting surface, means for supporting said ring for rotary movement, said supporting means having a peripheral passage for a cooling fluid, said passage being partly defined by the ring when applied to the supporting means, and means for supplying and discharging a forced circulation of cooling fluid to said peripheral passage.

2,254,658
REFRIGERATION
William H. Kitto, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application October 10, 1938, Serial No. 234,110
9 Claims. (Cl. 62—119.5)



1. Refrigerating apparatus comprising an evaporator, means for propelling a dense inert gas through said evaporator, means for supplying refrigerant liquid to an intermediate portion of said evaporator, means for draining liquid refrigerant from the top portion of said evaporator to a lower portion thereof, and means substantially closing said drain means adapted to open the same in response to the accumulation of a predetermined quantity of liquid in said drain.

2,254,659
WORK STOPPING DEVICE FOR BLANKING DIES
Alexander Kowalski, Chicago, Ill.
Application September 17, 1940, Serial No. 357,143
2 Claims. (Cl. 164—59)

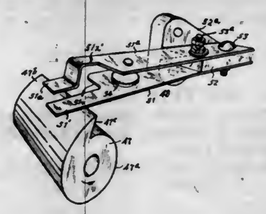


1. In combination, a punch, a die, a stripper plate associated with said die and having means for guiding said strip stock in a fixed path across said die, gauge means cooperating with the strip stock through the openings therein to halt the stock in successive predetermined positions upon said die, trip means for holding said stop pin in operative engagement within each successive opening in said strip stock during the punching operation, operative means associated with said punch to engage said strip means for moving said stop pin out of each successive opening in said strip stock, and resilient means connected with said stop pin and disposed for movement out of the surface of said pin in a direction opposite to the movement of said stock through said die, said resilient means coopearting with the strip stock to hold said stop pin in inoperative raised position to allow movement of said stock to the next successive punching position.

2,254,660
TREATMENT OF FERRIFEROUS ORES
Karl Koller and Zsigmond Gálocsy, Budapest, Hungary
No Drawing. Application August 13, 1940, Serial No. 352,405. In Germany November 7, 1938
1 Claim. (Cl. 75—41)

Process for the manufacture of sulphur poor iron comprising charging a mixture of iron bearing ores, coke and fluxes in an air blast furnace, superheating steam outside the furnace to a temperature of 400 to 800° C. under avoidance of dissociation, introducing the undissociated steam exclusively into a zone of the furnace having approximately the temperature of the introduced steam, reducing a part of the steam after its introduction into the furnace by reaction with the upwardly flowing carbon monoxide to hydrogen and converting the sulphur present in the charge by reaction with said hydrogen and with the undecomposed steam into gaseous sulphur compounds.

2,254,661
RECORDING MACHINE
Myron D. Markley and Joseph M. Markley, Jr., Canton, Ohio
Application April 27, 1939, Serial No. 270,294
1 Claim. (Cl. 161—1)



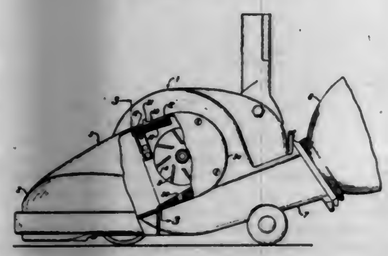
In mechanism of the class described, the combination with an electrical device and a circuit and source of current supply for said device, of a rotating member having a surface concentric to its axis and a contiguous surface eccentric thereto and forming a shoulder between said surfaces, a pair of superposed, spaced resilient strips supported at one end and provided on their opposed faces with contacts electrically connected to the leads of said circuit, and arranged to close said circuit when said strips are relatively moved one toward the other, the opposite end portions of said strips beyond said contacts being cut away and the upper strip having a depending off-set to position its free end in side by side relation with the free end of the lower strip and permit their free ends simultaneously to engage and ride on said concentric and eccentric surfaces of said cam with said contacts in disengaged relation, said surfaces being arranged to support and flex said strips to put them under tension while maintaining said contacts in disengaged relation and said lower strip being longer than said upper strip, whereby the latter is released from said eccentric surface in advance of the lower strip as said shoulder revolves past their free ends to permit movement of the first released strip toward the other strip to effect engagement of said contacts.

2,254,662
OIL GAUGE ROD
Angelo F. Naples and Sabastiano Lando, Chicago, Ill.
Application December 13, 1940, Serial No. 369,992
10 Claims. (Cl. 33—126.7)



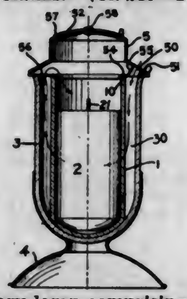
1. A self-wiping oil gauge rod of the character described comprising an elongated and relatively stiff gauge rod having a lower gauging portion, an intermediate positioning portion, and a handle portion, a positioning stop means mounted on said gauge rod intermediate said positioning portion and said handle portion and operable to limit the extent of insertion of the gauge rod into a crank case or the like, wiper means mounted on the gauging portion of said rod for longitudinal reciprocation therealong, and means for actuating said wiper means comprising an elongated resilient wire secured to said wiping means and mounted for reciprocation, said wire extending along said gauging portion and said positioning portion to a point adjacent said handle portion whereby said wiper means may be reciprocated along said gauging portion of said gauge rod while said gauge rod remains in its normal position in association with a crank case or the like.

2,254,663
SUCTION CLEANER
Ralph C. Osborn, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application December 21, 1940, Serial No. 371,119
7 Claims. (Cl. 15—9)



1. In a suction cleaner adapted for conversion to and from off-the-floor cleaning operation, the combination of suction-creating means including a motor-driven fan, a nozzle communicating with said suction-creating means through a connecting air passage having a port opening thereinto from the exterior of the cleaner and adapted to receive a converter member, a closure member normally closing said port, latching means normally acting to hold said closure member in port-closing position, and latch-releasing means forming a part of the converter member and operative in the act of applying said converter member to said port to effect the opening of said closure member.

2,254,664
SANCTUARY LAMP
Michael A. Quinlan, Chehalis, Wash.
Application July 29, 1939, Serial No. 287,313
8 Claims. (Cl. 240—13)

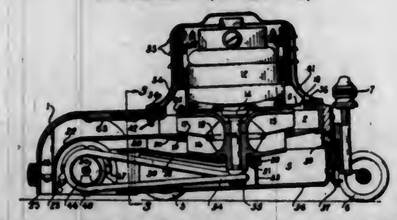


4. A sanctuary lamp comprising a translucent fuel container open at its top, a translucent enclosure spaced about the container to define a preheating air space, means communicating directly between the exterior of the enclosure and such preheating air space, defining an air inlet to the air space, means remotely spaced circumferentially of said container from said first means and communicating between such preheating air space and the interior of said fuel container, and means defining an outlet for combustion gases from the top of the fuel container.

2,254,665
INSECT REPELLENT CONTAINING ALIPAHTIC ALCOHOLS
Anderson W. Ralston and John P. Barrett, Chicago, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application September 5, 1939, Serial No. 293,522
5 Claims. (Cl. 167—22)

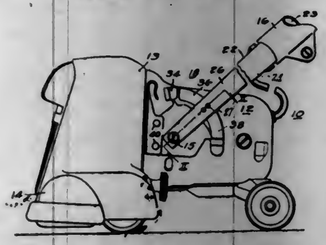
1. An insect repellent having as its essential active ingredient a primary aliphatic alcohol having from ten to fourteen carbon atoms.

2,254,666
SUCTION CLEANER
Donald G. Smellie, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application May 2, 1938, Serial No. 205,486
17 Claims. (Cl. 15—14)



1. In a suction cleaner, a surface-contacting suction nozzle, a surface-contacting exhaust nozzle adjacent said suction nozzle so arranged that all air from said exhaust nozzle passes into said suction nozzle, means to draw air from said suction nozzle and to force air to said exhaust nozzle, and a pressure controlled valve to limit the pressure in said exhaust nozzle to less than atmospheric to prevent air from passing therefrom into the atmosphere.

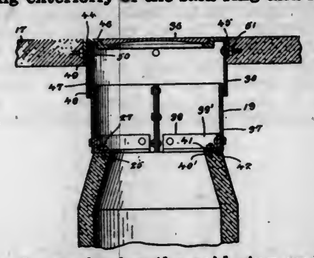
2,254,667
VACUUM CLEANER
Charles H. Taylor, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Original application August 14, 1937, Serial No. 159,050. Divided and this application January 30, 1940, Serial No. 316,337
2 Claims. (Cl. 306—12)



1. The combination with a vacuum cleaner adapted for operation upon the floor and comprising a main member having wheels for movably supporting the same on the floor and a handle pivoted to the main member on a horizontal axis for moving the main member, of an automatic handle control device comprising a resilient plate fastened to one of said members adjacent said pivot axis and including an arcuate portion disposed concentrically of said pivot axis and spaced from the point of fastening, said resilient plate further including portions extending substantially radially from the point of fastening to the two ends of the arcuate portion, a contact portion carried by the other of said members in such position as to engage the side of said arcuate portion, said arcuate portion being formed with a portion along which said contact portion moves freely during the normal operation of the vacuum cleaner, shoulders at the opposite ends of said normal operation portion to yieldably retain said handle member within the normal operating range against movement either upwardly or downwardly, and a shoulder disposed so as to engage said contact portion to yieldably retain said handle member, when in vertical position, against movement toward the normal operating range, the automatic handle control device further including a stop adapted to engage said contact portion, when the handle is in vertical position, to retain the handle against movement away from the normal operating range and with a stop adapted to engage the contact portion, when the handle is in horizontal position, to retain the handle member against downward movement.

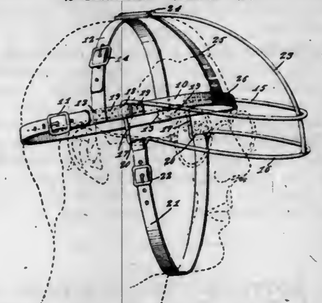
2,254,668
EXPANSION MANHOLE TOP
Arthur O. Tomek, Two Rivers, Wis.
Application April 10, 1939, Serial No. 267,109
2 Claims. (Cl. 94—34)

1. In a manhole structure, the combination of arcuated sections joined to form a tubular surrounding wall; a ring adapted for support by the concrete pavement overlaying the said manhole; a plurality of arcuated plates extending circumferentially around the inner periphery of the said ring and forming a depending annular skirt disposed in telescoping relation to but in no way supported by the said surrounding wall in a manner to be freely vertically movable either upwardly or downwardly relative to the surrounding wall; and bolt means connecting the said arcuated plates to the said ring and having shanks extending exteriorly of the said ring and forming



a means for anchoring the said ring and plates in the said concrete pavement.

2,254,669
EYEGLASS PROTECTOR
Kenneth O. Turner, Waverly, Nebr.
Application July 15, 1940, Serial No. 345,660
2 Claims. (Cl. 2—9)

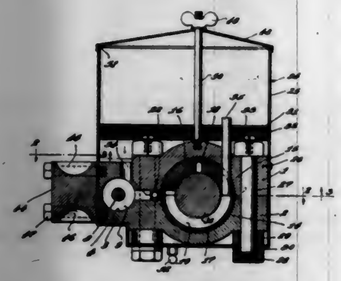


2. An eyeglass protector comprising, a head encircling strap, an overhead strap secured at the ends to the head encircling strap at the opposite sides thereof, a forward and downwardly extending strap secured at the upper end to the uppermost portion of the overhead strap and secured at the lower end to the front portion of the head encircling strap, upper and lower spaced wire loops connected at the rear ends by wire spacers and adapted to extend in front of and respectively above and below the wearer's eyes, strap pockets on the head encircling strap receiving said wire spacers, the lower loops having depressed portions near the spacers, a chin strap adapted to extend under the wearer's chin and secured at the upper ends to said depressed portions, a strap pocket secured to the meeting portions of the overhead strap and the forwardly and downwardly extending strap, and a front arcuate wire member secured at the lower end to the upper and lower wire loops and frictionally engaged in the last-named strap pocket, said front arcuate wire member being adapted to extend in front of and between the wearer's eyes without obstructing vision.

2,254,670
BEARING
William D. Turner, Salem, Oreg.
Application August 14, 1939, Serial No. 290,013
9 Claims. (Cl. 308—122)

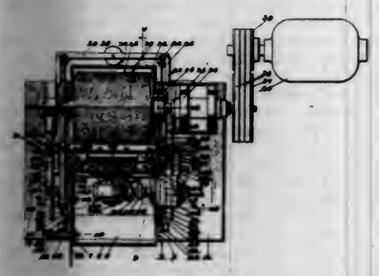
1. In a device of the class described, bearing sections, bearing sleeve sections in said bearing sections and having spirally arranged grooves, one of said bearing sections having a cylinder

block formed with a cylinder, a piston in the cylinder, said cylinder having an inlet port leading therefrom and extending through the block, ports leading from the opposite ends of the cylinder to corresponding ends of the grooves, check valves in the ports, a shaft rotatable between the bearing sleeve sections, a drive sleeve secured to the shaft and having a slot, a piston in the cylinder and having a piston rod and a



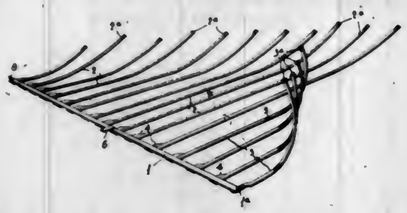
finger provided with a portion engaging in the slot in the driving sleeve, a housing surrounding the bearing sections and cylinder block and adapted for containing lubricant to flow through the first-mentioned port into the cylinder, said piston forcing the lubricant through the second-mentioned ports and check valves through the grooves for lubricating the shaft upon rotation of said shaft and the driving sleeve, and means closing the housing at its upper end.

2,254,671
BOTTLE BUFFING MACHINE
August J. Weiss, Baltimore, Md., assignor to Maryland Glass Corporation, Baltimore, Md., a corporation of Maryland
Application February 6, 1939, Serial No. 254,932
8 Claims. (Cl. 51—93)



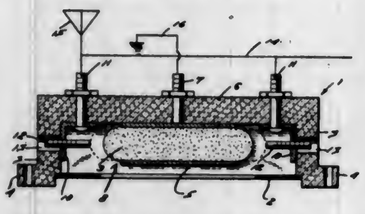
2. A buffing machine comprising revoluble buffing means with which an article is to be contacted, a pair of plates upon one of which a series of the articles is emplaced in contacting relationship to the buffing means, rotary motion means to actuate the second plate of said pair, guide means for the second plate confining its motion to a plane rectilinear with the plane of revolution of the buffing means, a slide coupling between the plates of said pair, a roller fixed relatively to said plates, and guide means on said one plate, engaging opposite sides of the roller and being set on a bias to said planes to bias the motion of said one plate.

2,254,672
WINDROWER
Harold A. Arnold, Knoxville, Tenn., assignor to The University of Tennessee Research Corporation, Knoxville, Tenn., a corporation of Tennessee
Application October 31, 1940, Serial No. 363,755
6 Claims. (Cl. 56—192)



1. A windrower comprising a bar, two groups of fingers rigidly secured to said bar in side-by-side relation, and the fingers of each group having their ends curved toward the other group, the distance between the adjacent groups being substantially no greater than that between the individual fingers of each group, so that all of the fingers are substantially equally spaced throughout the entire width of the device.

2,254,673
LIGHTNING ARRESTER
Mike Barbat, Jr., Sharon, Pa.
Application January 3, 1941, Serial No. 373,046
4 Claims. (Cl. 200—83)

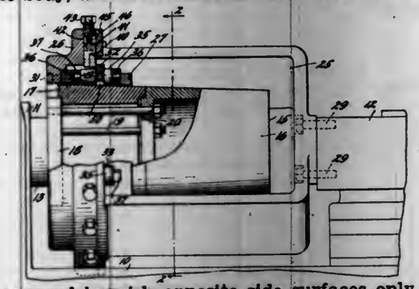


1. A lightning arrester comprising a casing, spaced contacts mounted in said casing, an expansible conductor member responsive to atmospheric pressure mounted in the casing for movement of portions of the conductor in opposite directions and engageable with the contacts upon expansion of said member, said member and the contacts being electrically insulated from each other, and means for grounding the expansible member.

2,254,674
METALWORKING
John M. Christman, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Original application May 31, 1935, Serial No. 24,426. Divided and this application March 2, 1939, Serial No. 259,461
7 Claims. (Cl. 80—5)

1. In apparatus for burnishing annular bodies, the combination with a support, of a plurality of rollers carried by said support in circumferentially spaced relation, each roller being provided with a generally cylindrical burnishing surface for engagement with the inner surface of the body, and with one generally radial surface for

burnishing engagement with a side surface of the body, alternate rollers being arranged to en-



gage and burnish opposite side surfaces only of the body.

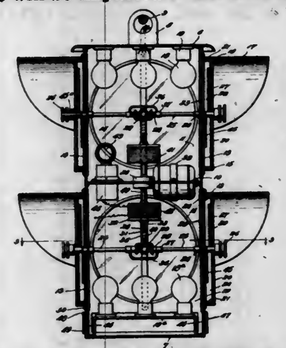
2,254,675
CULTIVATOR DISTRIBUTOR ATTACHMENT
David D. Clyburn, Bethune, S. C.
Application October 24, 1939, Serial No. 301,042
4 Claims. (Cl. 111—64)



1. A distributor attachment to be applied to a cultivator including a beam and a transverse bolt carried by the beam, said attachment comprising a pair of spaced inclined bars to be arranged upon opposite sides of the beam and extending above and below the beam, means to connect the bars, generally vertical bars connected with the upper ends of the inclined bars and extending downwardly below the same and arranged upon opposite sides of the beam and provided near their lower ends with openings to receive the bolt of the cultivator beam, a hopper mounted upon the upper ends of the inclined bars, feed means connected with the hopper to discharge solid material from the same, a spout receiving the solid material from the feed means, a shaft carried by the lower ends of the inclined bars, a traction wheel secured to the shaft, and driving connecting means between the traction wheel and the feed means.

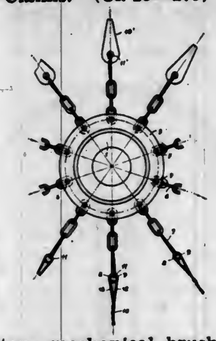
2,254,676
TRAFFIC SIGNAL
William H. Ebert, Kenmore, N. Y.
Application August 2, 1937, Serial No. 157,014
5 Claims. (Cl. 177—327)

2. In a traffic signal, a casing having a partition defining compartments and having a pair of spaced lenses carried by the frames, indicating hands carried between the lenses, shafts carried by the casing and projecting through the lenses for mounting said indicating hands, beveled gears carried by the shafts at their corresponding inner ends, bearing brackets supporting the inner ends of said shafts, a driving sleeve associated with the shafts and having a beveled gear meshing with the beveled gears of said shafts, a magnetic shoe associated with the driving sleeve and having a stem provided with a key, said key slidably connecting the stem with said driving sleeve, a spring carried by the driving sleeve and preventing displacement of the magnetic shoe, a motor mounted in the casing and adapted for continuous rotation, a reduction gear carried by the motor, a magnetic clutch member carried by the reduction gear, and means for energizing the clutch member for attracting the magnetic shoe whereby rotative movement will be imparted to the driving sleeve,



the shafts and the indicating hands during a predetermined period of time of rotation of said motor whereby the passage of said predetermined period of time will be indicated exteriorly of the casing.

2,254,677
ROTARY BRUSH
Bortolo Festini, Bergamo, Italy
Application April 25, 1939, Serial No. 269,994
In Italy May 4, 1938
8 Claims. (Cl. 15—179)

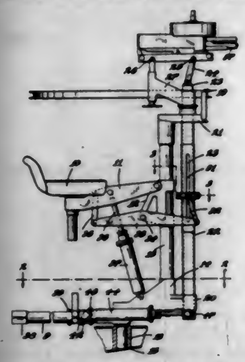


1. In a rotary mechanical brush comprising several transverse radial rows of operative members articulated on the periphery of a rotating drum; stirrups forming hinge connections for each row of members to the rotating drum, each stirrup consisting of a rod bent in the form of a triangle whereof the base is formed by the two contiguous end portions of the rod and forms the hinge for the operative members of each row, said portions extending beyond the sides of the triangle to form projecting stubs, while the vertex of the triangle is rounded to allow oscillation of the stirrup with respect to the rotating drum.

2,254,678
GUN TURRET FOR AIRCRAFT
Leslie George Frise, Bristol, England, assignor to The Bristol Aeroplane Company Limited, Bristol, England, a British company
Application July 11, 1939, Serial No. 283,905
In Great Britain February 5, 1936
4 Claims. (Cl. 89—37.5)

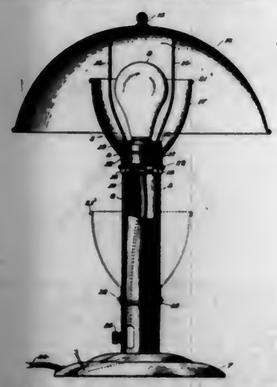
2. A gun-turret for aircraft, comprising a ver-

tical pillar, a seat supported by the pillar, bearings carried by said pillar, a vertical shaft rotatable in said bearings, a gun supported on said vertical shaft, means interconnecting said gun and said seat, an elevating jack connected in common to the seat and gun so as to effect ad-



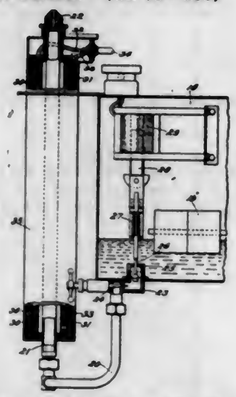
justing movements to the seat in accordance with elevational movements of the gun, an offset lug on said shaft, and a hydraulic jack connected between the turret and the said lug to effect training movements of the gun with respect to the turret.

2,254,679
LIGHTING FIXTURE
William E. Gaskill, Tampa, Fla.
Application February 5, 1940, Serial No. 317,409
1 Claim. (Cl. 240—81)



In a lighting fixture, a base and a tubular standard extending vertically therefrom, means for supporting a source of light in the upper end of said standard, an outer shade carried by said light supporting means, an inner shade supported on said standard and normally surrounding said source of light for directing rays therefrom upwardly against said outer shade, means for releasably retaining said inner shade on said standard, said means including a shaft extending diametrically within the standard adjacent the upper end thereof, members slidably held on each end of said shaft and projecting through diametrically opposed openings formed in said standard, the lower end of said inner shade normally resting upon said projecting members and said members being spring-pressed whereby movement of said inner shade downwardly will urge said members inwardly of the standard to lower said inner shade on the standard.

2,254,680
WIND DIRECTION INDICATOR
William Whilton Harvey, Feltham, England, assignor to General Aircraft Limited, Feltham, England
Application August 4, 1933, Serial No. 223,131
In Great Britain September 6, 1937
2 Claims. (Cl. 73—188)



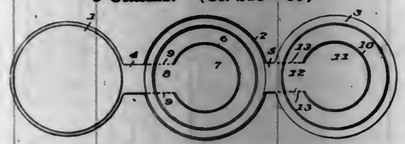
2. Direction of wind indicating apparatus comprising, a primary reservoir for liquid fuel, a secondary reservoir for liquid fuel, a pipe extending above the level of the secondary reservoir, means connecting the lower end of said pipe and said secondary reservoir, a float-controlled valve between said primary and secondary reservoirs to maintain a certain level within said secondary reservoir, means defining a restricted egress orifice at the upper end of said pipe, resistance elements surrounding said pipe for substantially its entire length, and means for supplying an electric current at uniform voltage to said resistance elements.

2,254,681
SOCKET WRENCH
Fred B. Honchock, Weirton, W. Va.
Application October 7, 1940, Serial No. 360,191
2 Claims. (Cl. 81—128)



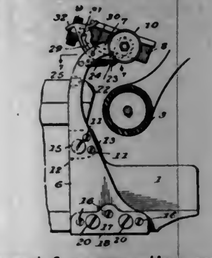
1. A socket wrench comprising, a tubular casing, a hollow hand grip on the upper end of the casing, the lower end of the casing being uniformly enlarged, the casing tapering outwardly to the enlarged portion to form a conical neck, a hollow internally threaded screw mounted in the casing having an operating knob disposed in the hollow hand grip, a threaded shank engaging the hollow screw, spreader links having diverging arms pivotally connected to the lower end of the threaded shank, a spring connecting the lower arms of the links yieldably holding the upper ends of the arms against said neck, the lower arms of the spreader links extending parallel with each other, a pair of jaw members pivotally secured to the lower end of the last-named arms, a shaft movable in the enlarged portion of the casing upon which said jaws are slidably mounted, a helical spring between the jaws yieldably holding the upper ends of the jaws spread apart on said shaft, the lower portions of the jaws being formed with recesses having inclined inner walls, and pins carried by the enlarged portion of the casing engaged in said recesses against said walls and holding the jaws parallel.

2,254,682
BOTTLE CLOSURE
George H. Hutaff, Jr., Wilmington, N. C.
Application April 14, 1938, Serial No. 202,043
5 Claims. (Cl. 215—39)



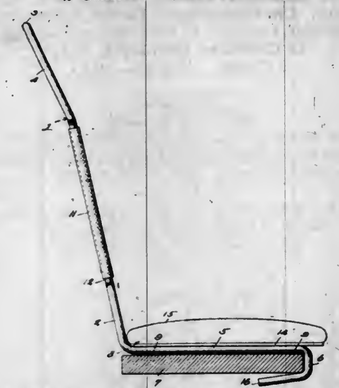
1. A closure for bottles or the like including top, bottom and intermediate cap portions telescoped one within the other, means connecting the top cap portion with the intermediate cap portion and the intermediate cap portion with the bottom cap portion, the top cap portion being adapted for use as a lever for tearing a part of the intermediate cap portion to remove the same from the bottle and the remaining part of the intermediate cap portion being adapted for use as a lever for tearing away a part of the bottom cap portion for removing the same from the bottle.

2,254,683
ERASER ATTACHMENT FOR TYPEWRITERS
George H. Hutaff, Jr., Wilmington, N. C.
Application June 18, 1938, Serial No. 214,561
1 Claim. (Cl. 248—226)



An attachment for supporting an eraser relative to a typewriter platen including brackets extending vertically and parallel with end portions of the typewriter frame, channel members detachably connected to the brackets and adapted to receive bottom edge portions of the typewriter frame, channel members detachably connected to the brackets intermediate their ends and adapted to receive vertical edge portions of the typewriter frame, and adjustable members carried by the brackets and operable in openings of the channel members for detachably connecting the brackets to the typewriter frame.

2,254,684
STADIUM CHAIR
George Franks Ivey, Hickory, N. C.
Application September 11, 1940, Serial No. 356,393
2 Claims. (Cl. 155—133)



1. A stadium chair for use on a bench, and comprising a back approximating the form of an inverted U, including side members merging into a transverse head, the ends of which extend outwardly beyond the side members, the side members merging into forwardly presented side arms, terminated at their forward ends in bench engaging hooks, a seat including a bottom plate and a cushion secured thereto, the bottom plate being superposed upon the arms and spaced thereby from the bench wherewith the chair is used, means for securing the bottom plate to the arms, the side members having inset portions forming shoulders adjacent to the seat, and an endless flexible band looped about the inset portions between the ends of the head and the shoulders, the rigid bottom plate maintaining the shoulders spaced a fixed distance apart, so that the band cannot slip down over them.

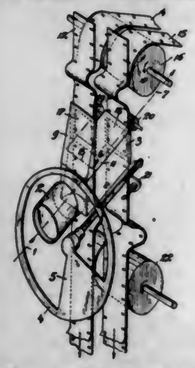
2,254,685
RUBBER OVERSHOE
Walter C. Jackson, Rahway, N. J., assignor to Tingley Reliance Rubber Corporation, a corporation of New Jersey
Application November 9, 1939, Serial No. 303,575
7 Claims. (Cl. 36—7.3)



1. A low cut overshoe comprising a sole having toe, shank and heel portions, a continuous elastic upper having toe, side and counter portions, and adapted to be stretched when the overshoe is applied, and elastic tension means anchored to the shank portion of the sole and extending therefrom up, and secured to, the side portions of the upper and along the top edges thereof and around the counter, as well as up, and secured

to, the side portions and along the top edges thereof and around the toe, said elastic tension means being adapted to stretch when the overshoe is applied but causing the overshoe to offer greater resistance to stretch in the localized regions of the tension means.

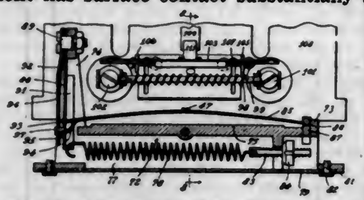
2,254,686
APPARATUS FOR PRODUCING ADDITIVE COLOR FILMS
Adolf H. Kämpfer, Berlin, and Albert Schattmann, Charlottenburg, Berlin, Germany
Application October 4, 1938, Serial No. 233,310
In Germany October 8, 1937
1 Claim. (Cl. 88—16.4)



Apparatus for producing additive color films, comprising an upper coaxially supported pair of feed rolls, a lower coaxially supported pair of feed rolls, means for advancing two bipack films in relatively close edge spaced relation and along parallel paths across the upper and lower feed rolls, a light ray dividing lens system located between the upper and lower pairs of feed rolls and having a single light admitting face and two adjacent parallel light transmitting faces, one of said light transmitting faces being closer to the light admitting face than the other transmitting face and said system being designed in cooperation with the relative positions of the light transmitting faces to evenly divide light rays into two paths of substantially equal length between the admitting faces and the transmitting faces, a single objective disposed in advance of the said admitting face, guide roller members disposed in close proximity to said transmitting faces for maintaining the films closely adjacent the transmitting faces, and a rotary diaphragm between the objective and the light admitting face having a darkening sector of approximately 60°.

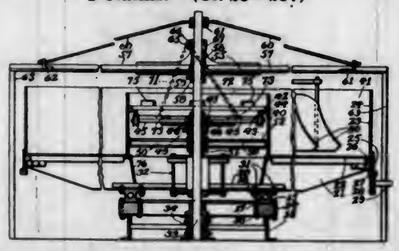
2,254,687
THERMOSTAT
Ludvik J. Koci, Chicago, Ill., assignor to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois
Original applications September 10, 1935, Serial No. 39,957, and June 26, 1939, Serial No. 281,080. Divided and this application September 1, 1939, Serial No. 293,028
45 Claims. (Cl. 200—122)

1. A thermostat comprising a bimetallic element, means for changing the temperature thereof in one direction for measurement purposes to cause temperature responsive movement in one direction, and means for causing prompt return of the element for a successive measuring movement comprising a heat dissipating body having a cooling surface against which the bimetallic element has surface contact substantially along



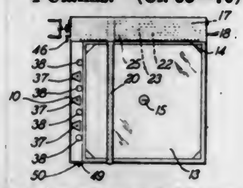
its entire length for rapidly changing the temperature of the element in the opposite direction.

2,254,688
CONTINUOUS HYDRATOR
William Jacob Kuntz, York, Pa.
Application September 6, 1939, Serial No. 293,647
4 Claims. (Cl. 23—287)



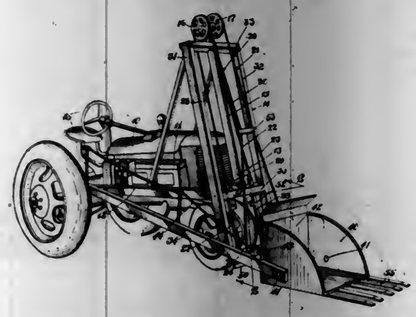
1. A batch hydrator converted into a continuous hydrating machine comprising a cylinder having a bottom provided with a central opening, a movable auxiliary cylinder resting on the bottom and embracing the central opening cooperating with the first mentioned cylinder and bottom to form an annular chamber for the hydration of lime, the upper end of the auxiliary cylinder adjacent the top of the first cylinder being provided with openings for the continuous discharge of hydrated lime, means for supplying the chamber continuously with regulated amounts of water and unslacked lime, means for collecting the lime being discharged through the opening, and means for agitating the water and lime in the chamber.

2,254,689
LAYOUT TABLE
Harry N. Livingston, Johnson City, N. Y.
Application December 29, 1938, Serial No. 248,243
4 Claims. (Cl. 33—76)



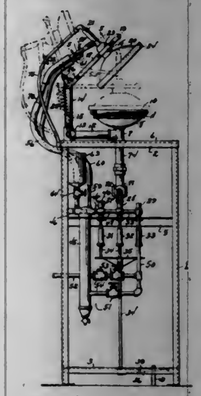
1. In a printer's layout table, in combination, a transparent surface; a source of illumination positioned beneath said surface; a pivot rod secured to the table at one side of said surface and a graduated scale member pivotally attached to said rod; a second graduated scale at right angles to and carried by said pivot rod and said first mentioned scale member, and means carried by the first mentioned scale member for moving the second scale with respect thereto, said means comprising a worm and a threaded member associated with the second scale with which said worm coacts.

2,254,690
HYDRAULIC LOADER
Richard R. Love, Buhl, Idaho
Application March 25, 1941, Serial No. 385,167
6 Claims. (Cl. 214—140)



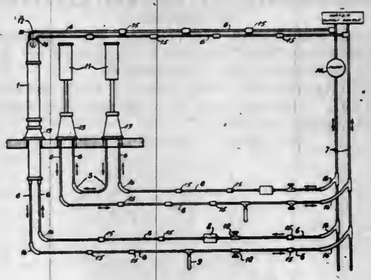
1. In a loading machine having an hydraulic lift provided with pulleys thereon, a frame pivoted at one end on the machine, a shovel secured to the free end of the frame, a cable trained intermediate the ends thereof on each pulley, one end of each cable being secured to the frame adjacent the shovel, means slidably mounted for limited movement on the machine and having connections at the lower end thereof with the frame, the upper end of said means being connected to the other ends of the cables, cooperating means on the slidable means and frame for limiting movement of the slidable means, and means for operating the lift, both ends of the cables exerting an upward pull on the frame and shovel until the cooperating means retains the slidable means against further movement.

2,254,691
FABRIC CLEANING MACHINE
Walter S. MacLelland, Jr., Ellerson, Va.
Application March 4, 1941, Serial No. 381,725
4 Claims. (Cl. 68—5)



1. A fabric spotting machine comprising a pair of members shaped and cooperating with each other to provide a cleaning chamber, one of said members being mounted for movement and to be seated on the other member to clamp fabric between said members, an inlet tube for the movable member, means for conducting cleaning agents under pressure to the tube and including a nozzle extending within said tube in a manner, so that the axis of said nozzle constitutes a continuation of a chord of said tube to give the cleaning agents a whirling motion within the chamber, means providing suction in said chamber for drawing the cleaning agents through the fabric and to dry the latter, and means for controlling the conducting means and the suction means.

2,254,692
VACUUM TUBE
Paul Ehlert, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application August 17, 1938, Serial No. 225,387
In Germany September 9, 1937
6 Claims. (Cl. 250—27.5)

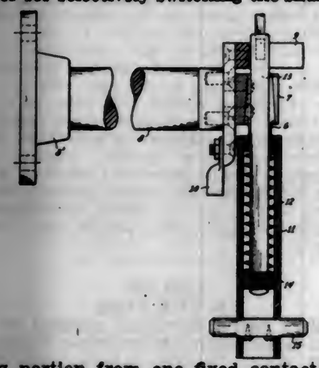


1. In a cooling system for high voltage transmitting tubes having at least an anode and a cathode electrode, a source of water supply, a water cooling chamber for said anode, an inlet and an outlet fluid system connected to said water cooling chamber, a pump connected to said source of water supply, means for fluid communication between said pump and said water cooling chamber, said means comprising straight insulating tubes of ceramic material forming substantially the entire water path from the tube cooling chamber to said pump, and means including insulating tubes connected with said water supply to cool said cathode.

2,254,693
HIGH FREQUENCY ANTENNA SWITCH
Lynn Cory Everett and Joseph Herbert Shannon, Upper Montclair, N. J., and James L. Finch, Patchogue, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Application January 13, 1939, Serial No. 250,672
9 Claims. (Cl. 173—328)

1. A high frequency switch comprising a flexible conductor having a fixed and a free end, an insulator secured to said fixed end for insulatingly and pivotally supporting said conductor, a rigid metallic member secured to the free end of said conductor, a sliding contact portion surrounding said rigid metallic member, a plurality of insulators located in the zone of said free end, a plurality of fixed contact members secured to said last-mentioned insulators, and means on said fixed contact members for engag-

ing the sliding contacting portion on said rigid member for selectively switching the sliding con-



tacting portion from one fixed contact to another.

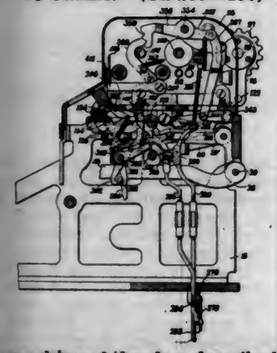
2,254,694

COMBINED CALCULATING AND RECORDING MACHINE

Harry A. Foothorap, Harrisburg, Pa., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

Original application December 30, 1932, Serial No. 649,663. Divided and this application April 4, 1938, Serial No. 199,837

29 Claims. (Cl. 235—130)



2. In a machine of the class described, the combination with a travelling carriage, a carriage escapement, and keys controlling the escapement, of escapement locking mechanism tending to lock the escapement and movable to unlocking position, and means for retaining said mechanism in unlocking position, including normally effective and ineffective latching members, respectively, the former displacing the latter from effective position when the latter has become effective and itself movable by said keys to ineffective position.

2,254,695

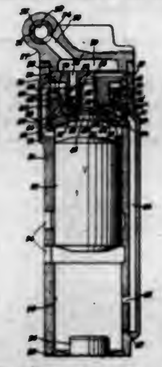
VALVE MECHANISM FOR ROCK DRILLS

George H. Fuehrer, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey

Application April 4, 1940, Serial No. 327,772

7 Claims. (Cl. 121—19)

1. In a fluid actuated rock drill, the combination of a casing having a piston chamber and a reciprocatory piston therein, a valve chamber in the casing, inlet passages leading from the same end of the valve chamber to the ends of the piston chamber, a valve in the valve cham-



ber to control the flow of pressure fluid into one inlet passage, and another valve in the valve chamber to control the flow of pressure fluid into another inlet passage.

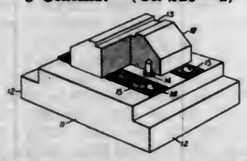
2,254,696

RESISTANCE WELDING ELECTRODE

Ralph A. Gilbert, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

Application June 18, 1940, Serial No. 341,147

5 Claims. (Cl. 219—4)



1. A holder for supporting a plurality of electrodes one at a time in a desired welding position, and means including a plurality of entwined wires of current conducting material inserted between said holder and said electrodes supported thereby for transmitting current and pressure from said holder to said electrodes.

2,254,697

ANTENNA SYSTEM

Sidney Godet, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application March 25, 1940, Serial No. 325,680

18 Claims. (Cl. 250—11)



1. A high frequency directive antenna system comprising a plurality of identical antenna units spaced apart from each other along a common axis, each unit being composed of elemental sections, the corresponding elemental sections of all said units carrying substantially equal, inphase currents and being spaced from each other along lines parallel to said axis by equal physical distances substantially greater than one half wave length at the operating frequency of said system and differing substantially from an integral multiple of a half wave length, said distances being of a value which corresponds substantially to a point on the curve representing P' as a function of the spacing between adjacent units, where P' is proportional to the total power radiated from the system for constant currents in said sections, said curve having one or more minima, and said point lying in the vicinity of one of said minima and within a range of spacings for which P' has a substantially smaller value than for a half wave spacing, whereby the directivity of said system in the plane perpendicular to said axis is substantially greater than for a half wave spacing.

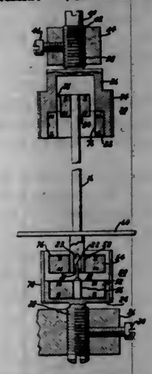
2,254,698

MAGNETIC SYSTEM

Albert Hansen, Jr., Nahant, Mass., assignor to General Electric Company, a corporation of New York

Application October 4, 1940, Serial No. 359,733

11 Claims. (Cl. 171—34)



1. In combination, a member to be mounted for rotation about a vertical axis, first and second means arranged in spaced relation along said axis for guiding the rotation of said member, one of said guide means comprising a pair of permanent magnets constructed in the form of cylinders, each of said cylinders being magnetized along its longitudinal axis to form poles of opposite polarity at the ends thereof, the first of said cylinders being constructed with a longitudinal axial opening extending therethrough, said opening being of sufficient size to form an air gap between said cylinders when the second of said cylinders is positioned in said opening, means for supporting one of said cylinders with its longitudinal axis substantially in alignment with the normal axis of rotation of said rotatable member, means for securing the other of said magnets in fixed relation to said rotatable member with its longitudinal axis in alignment with the rotary axis of said member, said second magnet being positioned partially within the longtudinal opening formed in said first magnet, and said rotatable magnet being further arranged on said member with its polar axis relatively opposite in direction to that of said supported magnet and with one of its poles in close proximity to the pole of like polarity of said supported magnet, whereby a radial repulsion force is exerted between said magnets tending to center the rotation of said member about a single axis.

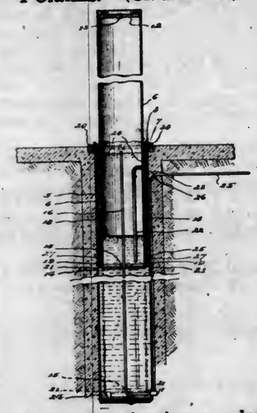
2,254,699

LIFT

Lawrence F. Jaseph, Memphis, Tenn., assignor to Rotary Lift Company, Memphis, Tenn., a corporation of Delaware

Application September 23, 1940, Serial No. 357,849

4 Claims. (Cl. 121—46)



1. A lift of the type having a relatively movable cylinder and plunger with fluid-tight packing therebetween and wherein air pressure released within the plunger above the level of a liquid contained therein exerts upward pressure on the plunger and downward pressure on the liquid to elevate the plunger and force the liquid from the plunger through a restricted passage into the cylinder, characterized by an air bleeder pipe opening at one end through the wall of the plunger at a point below the packing when the plunger is fully elevated and opening at the other end within the plunger.

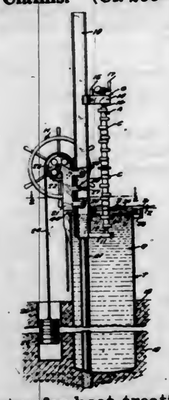
2,254,700

HEAT TREATING APPARATUS

Homer W. Jones, Westfield, N. J., assignor to The Linde Air Products Company, a corporation of Ohio

Application May 1, 1940, Serial No. 332,648

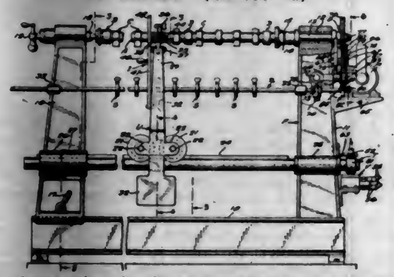
13 Claims. (Cl. 266—4)



1. In apparatus for heat treating in succession a plurality of laterally extending portions of a metal body, such portions being spaced at different points circumferentially of said body, the combination of means supporting said body for

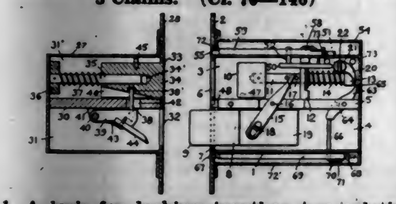
radial movement; means for applying high temperature heat to the surface of a laterally extending portion of said body; means supporting said heating means for movement toward and away from such laterally extending portion; means movable toward and away from said body for registering a laterally extending portion in operative position with respect to said heating means; and means constructed and arranged to effect an intermittent relative movement longitudinally of said body between said body and said heating means, whereby successive laterally extending portions of said body may be moved into operative position with respect to said heating means.

2,254,701
HEAT TREATING APPARATUS
Lloyd W. Young, Scotch Plains, N. J., assignor to The Linde Air Products Company, a corporation of Ohio
Application May 8, 1940, Serial No. 333,901
12 Claims. (Cl. 266—4)



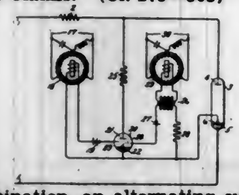
1. Apparatus for heat treating in succession a plurality of spaced surface portions of an elongated metal body comprising, in combination, means for supporting said body; means for applying high temperature heat to such surface portions, said heating means being adapted normally to heat at any instant only a longitudinal part of such surface portions; a movable carriage for supporting said heating means; means for engaging said carriage to position said heating means longitudinally of said body in positions corresponding to each of such surface portions to be treated; and means for imparting a reciprocal motion to said carriage engaging means so as to reciprocate said heating means longitudinally of said body.

2,254,702
LOCK
Sophie S. Karavia, New York, N. Y.
Application May 8, 1940, Serial No. 333,901
3 Claims. (Cl. 70—146)



1. A lock for locking together two relatively movable members comprising a first casing adapted to be fitted in the first member, a second casing adapted to be fitted in the second member, the outer portion of the first casing being adapted to register with the outer portion of the second casing when the two members are brought togeter, a bolt slidably fitted in the first casing and having a beveled end portion, a yieldable resilient means for moving the beveled bolt outward, the bolt being adapted to be moved inward by the pressure of the second casing when the two members are moved together, the second casing having a pocket for receiving the beveled end of the first bolt, the latter being thereby adapted to lock the two casings together when the pocket registers with the first bolt, a second bolt slidably fitted in the second casing, a yieldable resilient means for moving the second bolt outward, the first casing having a pocket for the second bolt, means to retain the second bolt inside the second casing against the action of its resilient means, means to release the second bolt by the end of the first bolt entering its pocket in the second casing, thereby permitting the second bolt to enter its pocket in the first casing for locking together the casings by both bolts, means to manually retract both bolts, thereby releasing the two members with the casings for relative movement apart, a plunger movably supported in the first casing adapted to abut the end of the second bolt when the latter is moved into its pocket in the first casing, and a manually movable member at the first casing for retaining the plunger in the outward position with the first bolt withdrawn into inoperative position.

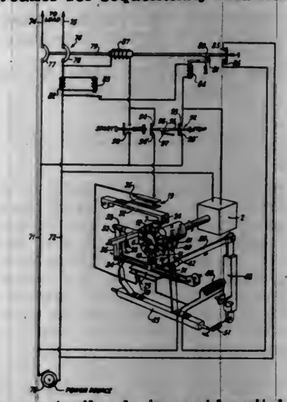
2,254,703
ELECTRIC VALVE CONTROL CIRCUITS
Henry de Boyne Knight, Rugby, England, assignor to General Electric Company, a corporation of New York
Application January 23, 1939, Serial No. 252,469
In Great Britain February 23, 1938
7 Claims. (Cl. 175—363)



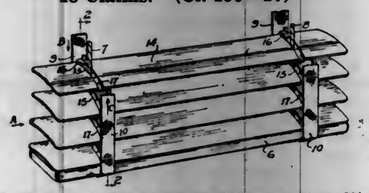
1. In combination, an alternating current circuit, a load circuit, electric valve means connected between said circuits and comprising an anode, a cathode and a control member of the immersion-ignitor type, an excitation circuit for energizing said control member connected between sail anode and said control member and comprising an electric valve means including an anode, a cathode and an immersion-ignitor control member, means for energizing said second mentioned control member comprising means for transmitting to said control member discrete impulses of unidirectional current to maintain a cathode spot on said second mentioned cathode during substantially the entire positive half cycle of voltage of said alternating current circuit, and means for controlling the conductivity of said second mentioned electric valve means to effect energization of said first mentioned control member.

2,254,704
AUTOMATIC CIRCUIT RECLOSER
Chester W. Latimer, West Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 15, 1939, Serial No. 268,073
19 Claims. (Cl. 175—294)

1. In combination, a circuit breaker, means for tripping said circuit breaker under predetermined conditions and means for automatically reclosing said breaker, said second means comprising a reclosing coil and a pair of switches serially connected to a source of power, a latch and means responsive to an open condition of said circuit breaker for sequentially and non-concurrently momentarily closing said switches a predetermined number of times at predetermined intervals constituting a cycle of operations, said latch maintaining the first closed switch of said pair in a closed position and means responsive to a reclosure of said circuit breaker for disabling said latch.



2,254,705
VENETIAN BLIND
Clarence W. Morse, Los Angeles, Calif.
Application November 18, 1940, Serial No. 366,037
18 Claims. (Cl. 156—17)



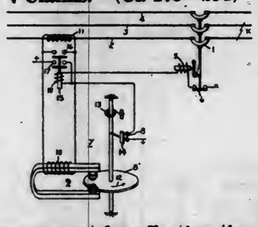
1. A Venetian blind comprising a plurality of slats having substantially alined apertures, supporting cord means arranged in the apertures, the slots having means offset beyond the faces, forming transverse grooves between the apertures and the sides of the slats, and the grooves on adjacent slats being complementary to each other for receiving the cord means, when the blind is moved to a closed position.

2,254,706
FLUORESCENT LAMP HOLDER
Adolf G. Mueller and John M. Pistey, Fairfield, Conn., assignors to General Electric Company, a corporation of New York
Application December 10, 1940, Serial No. 369,414
1 Claim. (Cl. 173—328)



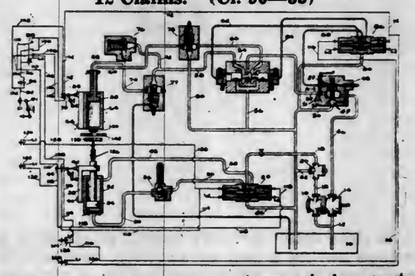
In combination, a lamp holder having a body provided with spaced contact members for engaging the spaced contact prongs of a fluorescent lamp, and a bail having opposite ends pivotally mounted on opposite sides of the body of the lamp holder and having a portion adapted to extend over and engage the outer periphery of the lamp for retaining it in position on the lamp holder, the opposite sides of the body being formed with grooves and the opposite ends of the bail being spring biased into seated position in said grooves to hold the bail in lamp engaging position.

2,254,707
CONTROL OF ELECTRIC SWITCHES
Kenichi Nakayama, Yokohama, Japan, assignor to General Electric Company, a corporation of New York
Application September 11, 1940, Serial No. 356,345
In Japan December 18, 1939
7 Claims. (Cl. 175—294)



1. An arrangement for effecting the opening of an electric circuit in response to an abnormal condition thereof comprising a circuit breaker, means for initiating the opening operation of the circuit breaker comprising a device responsive to abnormal conditions of the circuit controlled by the circuit breaker, and means responsive to the operation of the device for quickly rendering the device itself ineffective to maintain the circuit breaker opening operation.

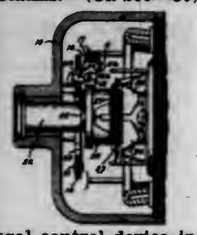
2,254,708
POWER TRANSMISSION
Hugh C. Nye and Harry L. Wise, Detroit, Mich., assignors to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application February 23, 1938, Serial No. 192,028
12 Claims. (Cl. 90—33)



1. In a hydraulic power transmission system the combination of a first fluid motor, a second fluid motor, pump means for supplying pressure fluid to operate said motors, electrically operable control means for selectively by-passing the pump means or causing operation of the first motor in either direction, electrically operable control means for selectively by-passing the pump means or causing operation of the second motor in either direction, an electric circuit operably connected to said control means, a manually operable switch

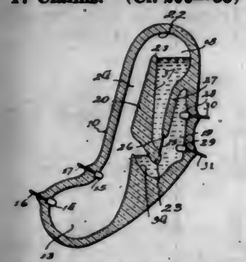
for energizing the control means to start operation of the first motor, switch means operated by the fluid motors for energizing the control means to cause said motors to operate in a predetermined sequence and motor operated switch means effective at the end of said sequence to deenergize both said control means and cause the pump means to be by-passed.

2,254,709
CONTROL DEVICE
Carl P. Pepper, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application March 20, 1940, Serial No. 324,989
5 Claims. (Cl. 200—80)



1. A centrifugal control device including relatively movable magnets having poles substantially facing each other, said first magnet having a cylindrical shape and being mounted for rotational and axial movement adjacent said second mentioned magnet, a centrifugal operating means for causing axial movement of said first magnet so as to vary the magnitude of the magnetic force between said magnets and to allow abrupt movement of said second magnet toward and away from said first magnet, and a circuit controlling device arranged to be actuated by the abrupt movement of said second magnet.

2,254,710
LIQUID FLOW TIME DELAY SWITCH
John A. Reid, Oak Park, Ill.
Application April 19, 1940, Serial No. 330,461
17 Claims. (Cl. 200—33)



1. A time delay mercury switch comprising an envelope having a pair of electrical contacts exposed therein for engagement with a predetermined body of mercury, said envelope having a partition therein providing on one side of said partition a relatively large conduit for free flow of the mercury backward to engage said contacts, and having on the other side of said partition a restricted orifice for delaying flow of mercury and a reservoir formed above said restricted orifice whereby the mercury in said reservoir must first be discharged through said orifice before the orifice is exposed to permit ingress of gas to a part of the container in which said contacts are located, thus effecting a time delay and quick break of engagement of the mercury with one of said contacts.

2,254,711
INSOLE
Milton O. Schur and Edward M. Archer, Berlin, N. H., assignors to Brown Company, Berlin, N. H., a corporation of Maine
Application May 24, 1938, Serial No. 209,710
5 Claims. (Cl. 36—44)



1. An insole consisting essentially of a porous, binder-impregnated, felted fiber base whose foot-side portion contains a halogenated, thermoplastic rubber derivative in the amount of about two to six grams per square foot practically completely confined to the pores at the foot-side surface and to pores extending from such surface to a depth constituting only a small fraction of the thickness of said base, said foot-side portion, despite its content of said derivative, being possessed of appreciable residual porosity, as determined by its capability of transmitting an appreciable amount of air under Gurley test.

2,254,712
COMPOSITE RUBBER-TEXTILE THREAD, YARN, FABRIC, AND METHOD OF PRODUCTION
Thomas Lewis Shepherd, London, England, assignor to The Clark Thread Company, a corporation of New Jersey
Application October 12, 1939, Serial No. 299,164
In Great Britain October 12, 1938
12 Claims. (Cl. 57—149)

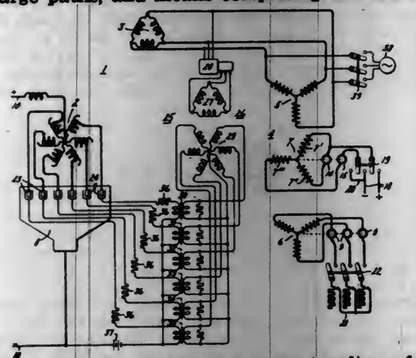
1. A substantially inelastic composite yarn comprising longitudinally contiguous lengths of elastic strand and of highly twisted and sized textile thread, productive of a creped thread on desizing thereby to impart limited elasticity to said yarn.

2,254,713
FAT-LIQUORING OF TANNED HIDES AND SKINS
William W. Stapler, Riverdale, N. J., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 13, 1940, Serial No. 356,647
8 Claims. (Cl. 149—6)

1. A composition for use in the fatliquoring of tanned hides and skins comprising an oil, an emulsifying agent therefor, and a minor amount of an additive lower aliphatic polyhydric alcohol ether of an unsaturated cyclic terpene compound.

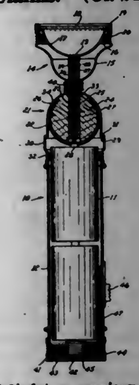
2,254,714
ELECTRIC VALVE OPERATED MOTOR
Max Stöhr, Berlin-Hermsdorf, Germany, assignor to General Electric Company, a corporation of New York
Application October 13, 1938, Serial No. 234,817
In Germany October 13, 1937
11 Claims. (Cl. 172—274)

1. In combination, a dynamo-electric machine provided with a plurality of relatively rotatable windings and including a rotor for connection with a mechanical load, a source of direct current, a plurality of electric discharge paths, means for energizing one of said windings from said source through said plurality of electric discharge paths, and means comprising another of



said windings and a direct current voltage for energizing the same for producing an electromagnetic field linking the winding with which said discharge paths are associated to induce therein a counter-electromotive force independently of said rotor for commutating the current between said discharge paths.

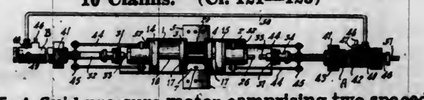
2,254,715
LIGHT WITH ADJUSTABLE HEAD
John Tuller, Bridgeport, Conn.
Application October 20, 1939, Serial No. 300,443
4 Claims. (Cl. 240—10.67)



1. In a flashlight, a casing for batteries, a head including a lamp socket and a light reflector, a shell having a rounded outer end, a flange about the inner end of said shell, a ring connecting the inner end of said shell with the casing and including a flange overlying the flange of the shell whereby the shell may be rotated relative to the casing, means within the shell and having a rounded surface bearing against the rounded surface of the shell, a slot in the rounded outer end of the shell, a contact strip on said means and bearing against the terminal of a battery in said casing, a tube connected with said head and said means and passing freely through said slot whereby the head may be adjusted relative to the shell and casing within the limits of said slot, a conductor passing through said tube and connected with said contact strip and a contact

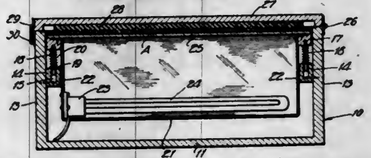
of said socket, and said ring threaded to said casing whereby on threading of the ring onto the casing said shell and means are drawn toward the casing to force and hold the contact strip against said battery terminal and at the same time increase the friction between the said flanges to prevent casual turning movement of the shell relative to the casing.

2,254,716
FLUID PRESSURE MOTOR FOR GREASE GUNS
John J. Veit, West New York, N. J.
Application April 17, 1941, Serial No. 388,918
10 Claims. (Cl. 121—123)



5. A fluid pressure motor comprising two spaced axially alined cylinders each having a head at its end adjacent the other cylinder, a casing into the ends of which said ends of the cylinders are fitted to form a chamber between said casing and said cylinder heads, a frame including a cross bar abutting the other end of each cylinder, tie rods separably connecting said cross bars, a piston reciprocable in each cylinder, and valve means for controlling the supply of fluid pressure from said chamber alternately to said cylinders and for controlling the exhaust of fluid pressure from said cylinders to cause said pistons to reciprocate.

2,254,717
PHOTOGRAPHIC PRINTING APPARATUS
Moritz Weiss, New York, N. Y., assignor of one-half to Louis L. Grey, New York, N. Y.
Application March 16, 1939, Serial No. 262,105
In Germany March 19, 1938
8 Claims. (Cl. 95—73)

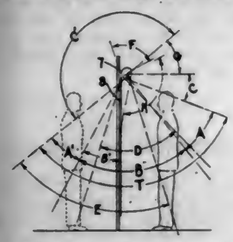


1. A photographic printing apparatus comprising a box-like body open at its top, a cover hinged to the top of said body for closing the open top thereof, a rigid translucent work receiving plate, means for resiliently mounting said plate within said body adjacent the top thereof, a source of light within said body beneath said translucent plate, and means for maintaining said source of light in definite fixed position relative to said plate to maintain a uniform light upon the surface of said plate regardless of its position within the range of yielding movement thereof.

2,254,718
LIGHTING FOR MIRRORS
Kenneth C. Welch, Grand Rapids, Mich., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich., a corporation of Michigan
Application March 6, 1939, Serial No. 259,945
14 Claims. (Cl. 240—4.2)

1. A device of the class described comprising, a mirror, an elongated fluorescent light source, elongated arcuate specular reflecting surfaces disposed behind and in front of said light source

terminating in a plane below said light source and above said mirror, and a separate diffused reflecting surface extending upwardly and outwardly from adjacent the rear of said light source to intercept direct light rays and blend the light rays thus reflected with direct reflected rays, to reduce shadows to a minimum.

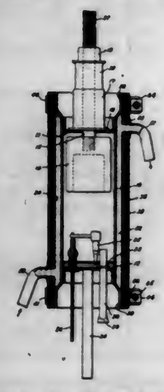


2,254,719

FLUID-COOLED DISCHARGE DEVICE

William C. White, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application May 18, 1940, Serial No. 336,054
4 Claims. (Cl. 250—27.5)



1. In combination, an elongated tubular metal part defining a discharge space for electrodes enclosed thereby, said tubular part being outwardly deformed adjacent the ends thereof to provide terminal portions of greater diameter than the main body of the part, a tubular insulating part of deformable material surrounding said metal part, said insulating part being substantially coextensive in length with the metal part and being radially spaced therefrom to provide an annular chamber between the parts, means maintaining the end portions of said insulating part in fluid-tight engagement with the outer surfaces of the said terminal portions of the metal part, and means for introducing cooling fluid into the chamber between the parts.

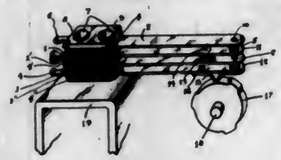
2,254,720

INSULATED ELECTRICAL CONTACT

Harry A. Wilcox, East Norwalk, Conn., assignor to Automatic Signal Corporation, East Norwalk, Conn., a corporation of Delaware

Application June 16, 1938, Serial No. 214,116
1 Claim. (Cl. 200—166)

In an electrical contact device the combination of a plurality of contact strips of extended length and resilient conducting material and each formed with corresponding apertures in a part of the strips, a plurality of bushings of insulation material individual to the several contact strips, each bushing extending through the aperture of its individual contact strip on each side of said strip, and a plurality of strips of insulation material including a pair of strips individual to each contact strip and arranged on each side of each contact strip on such part



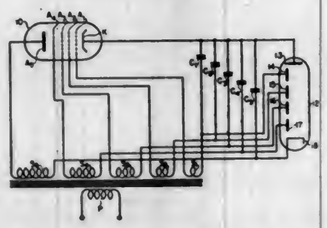
thereof, and said insulation strips having apertures registering with the apertures of the contact strips and having each bushing fit tightly in the apertures of the pair of insulation strips individual to the contact strip, so as to individually insulate each of said contact strips on both sides and the aperture thereof, a mounting support member, and means extending through the several bushings in the apertures of the associated insulation strips and contact strips to attach the same to said support member.

2,254,721

POWER-SUPPLY SYSTEM

William Herbert Aldous and Dennis Clark Espley, Wembley, England, assignors to Hazeltine Corporation, a corporation of Delaware

Application July 1, 1939, Serial No. 282,470
In Great Britain July 8, 1938
5 Claims. (Cl. 250—27)



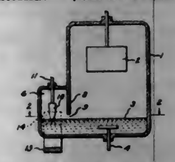
1. In a power-translating system including a single load device having a plurality of terminals individually requiring for normal operation different unidirectional operating potentials, the one of said terminals of highest potential requiring a positive current thereto and the remainder of said terminals requiring negative currents the value of each of which is dependent upon the values of current to all of said terminals of lesser potential, a power-supply system comprising, a rectifier including a cathode and a plurality of anodes, a plurality of supply circuits for supplying alternating potentials of different values between the several anodes and said cathode, and means for connecting said cathode to said one of said terminals and for respectively connecting said anodes of increasingly higher alternating potential to said terminals adapted for operation at decreasing unidirectional potentials through their respective supply circuits.

2,254,722

DISCHARGE DEVICE

Sataro Aoki, Tokyo, Japan, assignor to General Electric Company, a corporation of New York

Application May 1, 1940, Serial No. 332,762
In Japan August 3, 1939
3 Claims. (Cl. 250—27.5)



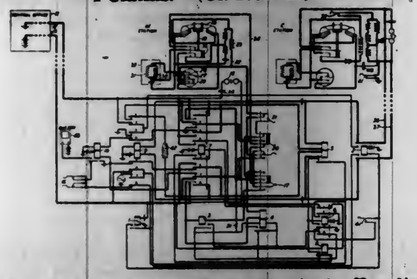
1. In an intermittently conducting discharge device having an anode and a pool-type cathode, the combination which includes a main discharge chamber containing said anode and cathode, an auxiliary chamber separate from the main chamber but communicating therewith at the cathode surface, a make-alive electrode contained within said auxiliary chamber and in operative relation to the cathode material therein, and means for producing a magnetic field in the vicinity of the said make-alive electrode and in such relation thereto as to assist in transferring a cathode spot formed by the electrode within the auxiliary chamber to the main discharge chamber.

2,254,723

SUBSCRIBER LINE CIRCUIT

Lawrence H. Allen, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application September 18, 1940, Serial No. 357,248
4 Claims. (Cl. 179—42)



1. In a telephone system, a central office line extending to a subscriber's station equipped with an extension station, a two-conductor connection between said subscriber's station and said extension station, transmitter and signaling battery being supplied over said central office line, and means at the said subscriber's station for automatically maintaining an established connection from said central office line to said extension station when said transmitter and signaling battery at said central office is disconnected from said central office line.

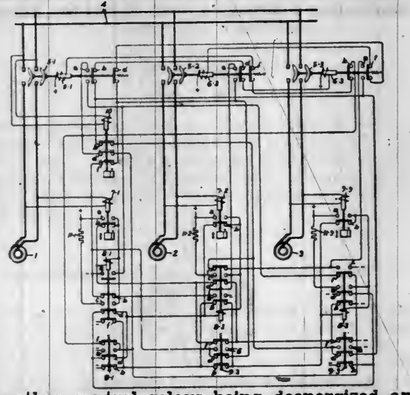
2,254,724

CONTROL SYSTEM

Herman Bany and Waldo P. Simpson, Lansdowne, Pa., assignors to General Electric Company, a corporation of New York

Application November 1, 1939, Serial No. 302,386
16 Claims. (Cl. 171—97)

16. In combination, an electric circuit, a plurality of sources of current to be connected thereto, an individual control relay associated with each source, means for energizing each control relay only when the voltage of the associated source is above a predetermined value, an individual switch associated with each source for connecting it to said circuit, an operating winding individual to each switch, a voltage relay responsive to the voltage of said electric circuit, means for energizing the operating winding of an open switch in response to all of the other switches being open and the associated control relay being energized and a predetermined one of



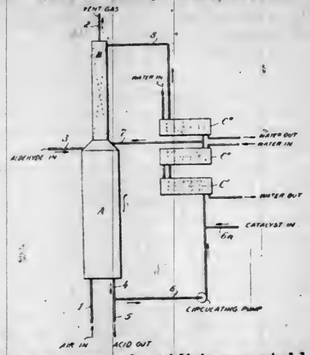
the other control relays being deenergized and said voltage relay being in its deenergized position whereby said switches are closed in a predetermined sequence in response to a voltage failure of a source connected to said circuit, and means responsive to the closing of a switch for maintaining the associated winding energized independently of the energized condition of the other predetermined control relay that controlled the energization thereof while the switch is open.

2,254,725

MANUFACTURE OF ACETIC ACID

Dwight C. Bardwell, Syracuse, N. Y., assignor to The Solvay Process Company, New York, N. Y., a corporation of New York

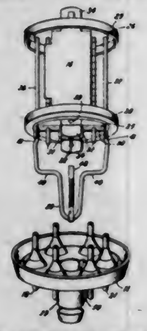
Application May 4, 1939, Serial No. 271,661
9 Claims. (Cl. 260—530)



1. In a process of oxidizing acetaldehyde to acetic acid by contacting an oxygen-containing gas with an acetic acid solution of acetaldehyde, the improvement which comprises controlling the introduction of acetaldehyde to the reaction zone and the withdrawal of acetic acid solution of acetaldehyde therefrom so as to maintain the

concentration of acetaldehyde in the reacting liquor at not exceeding 15% by weight and so as to maintain the acetaldehyde concentration in the effluent acetic acid solution at not less than 5% by weight.

2,254,726
DISCHARGE DEVICE
James E. Beggs, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application February 9, 1940, Serial No. 318,061
5 Claims. (Cl. 250—27.5)



1. An enclosed electrical discharge device including an envelope, a terminal-supporting base forming part of the envelope and having a hollow tubulation extending outwardly therefrom for the purpose of orienting the device in a cooperating socket, electrode structure within the envelope and a framework for supporting the electrode structure, said framework including a pair of wire uprights terminating in a U-shaped connecting part which extends within the said tubulation and which engages the same to maintain the framework and electrode structure in a desired orientation within the envelope.

2,254,727
DISCHARGE DEVICE
James E. Beggs, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Original application February 9, 1940, Serial No. 318,061. Divided and this application October 22, 1940, Serial No. 362,263
5 Claims. (Cl. 250—27.5)



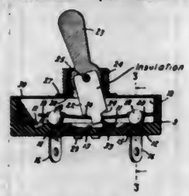
2. An electrical device comprising an envelope which encloses electrode structure, said envelope including a flattened wall portion, lead-in conductors extending through said wall portion for energizing the said electrode structure, a hollow tubular member projecting from the said wall portion and serving to facilitate orientation of the device in a cooperating socket, and gettering means positioned in said tubular member.

2,254,728
INTERTRAY SHIFTING FOR VISIBLE INDEX SYSTEMS
George C. Bruen, Chicago, Ill., assignor to Rotary Index Co., Inc., Chicago, Ill., a corporation of Illinois
Application December 16, 1937, Serial No. 180,197
3 Claims. (Cl. 129—16)



1. The combination with a plurality of visible index trays having opposed lateral ways for slidably receiving the ends of card holders which pivotally mount cards to lie in normally overlapping relationship with their margins exposed, at least one of the trays being constructed and arranged to be received drawer-wise in a cabinet and having a quick-removable front with a drawer pull handle, means for temporarily holding the trays—when longitudinally aligned with said front removed—with their ends juxtaposed and in register to present continuous ways for sliding the card holders in groups from one tray to the other.

2,254,729
ELECTRIC SWITCH
Frank D. Bryant, Stratford, and William R. Young, Fairfield, Conn., assignors to General Electric Company, a corporation of New York
Application July 2, 1938, Serial No. 217,196
6 Claims. (Cl. 200—154)

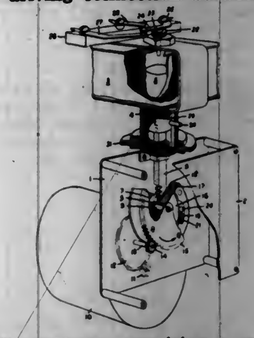


1. In a switch structure, an insulated housing having a recess therein, spaced pairs of grooves in said recess, a grooved contact in one groove of each pair, a flexible slider element longitudinally movable in said recess and having a flanged opening in each end, a ball bearing contact seated in each of said openings and each cooperating with a grooved contact respectively, and operating means connected to said slider for moving it longitudinally to position said ball bearing contacts either in said grooved contacts or in the grooves in said recess to close or open said switch, said operating means flexing said slider as it is moved longitudinally to provide a quick make and break of said switch.

2,254,730
TIME ELEMENT ELECTRORESPONSIVE DEVICE
Trevor Lunsden Herbert Butterfield, Sale, England, assignor to General Electric Company, a corporation of New York
Application August 1, 1940, Serial No. 349,329
In Great Britain August 10, 1939
12 Claims. (Cl. 200—97)

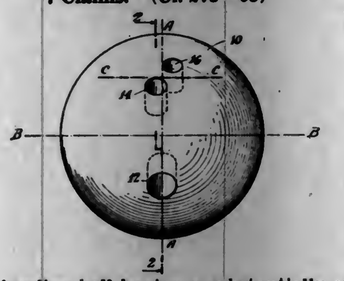
1. A time element electroresponsive device

comprising an electromagnet having a movable armature and an energizing winding for actuating said armature in one direction, a constant speed motor having a continuously rotating element, a driving connection between said motor



and said armature comprising a one-way clutch for retarding said armature against movement by said winding in said one direction through a predetermined range of angular movement of the rotating element of said motor.

2,254,731
BOWLING BALL
Charles F. Chicarelli, Elizabeth, N. J.
Application February 2, 1940, Serial No. 316,907
7 Claims. (Cl. 273—63)



1. A bowling ball having a substantially cylindrical thumb hole and a pair of substantially cylindrical finger holes therein, the axis of the thumb hole lying substantially in a diametral plane, the axes of said pair of finger holes being on opposite sides of the diametral plane with at least one of the axes of said finger holes lying in a plane substantially parallel to said diametral plane and the surface openings of said finger holes being spaced apart along said diametral plane so that the ring finger of a bowler will be in a position forward of the middle finger.

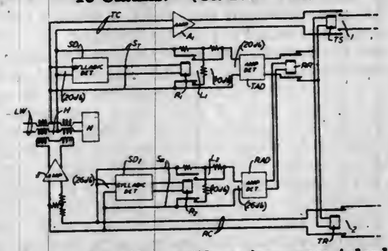
2,254,732
TONE ARM
Roy Daily, Racine, Wis., assignor to Webster Electric Company, Racine, Wis., a corporation of Delaware
Application April 29, 1940, Serial No. 332,202
7 Claims. (Cl. 274—1)

1. In a tone arm, the combination of a support with a bearing member extending transversely to said support, a shaft rotatably mounted in said bearing member and having means at each end retaining it in said bearing member, a resilient cushion member carried by said shaft, a pintle plate carried by said cushion member and having oppositely extending trunnions, and a tone arm having bearings engaging said trunnions, whereby said tone arm is supported for substantially universal movement on said support, said cushion member absorbing and preventing transmission of undesirable vibrations



from said support to said tone arm, a pair of annular compression members carried by said shaft, said cushion member comprising a soft, resilient, annular rubber member compressed between said two annular compression members on said shaft.

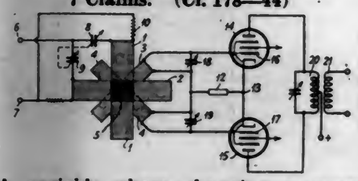
2,254,733
CONTROL OF TWO-WAY TELEPHONE SYSTEMS
Alton C. Dickieson, Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 19, 1940, Serial No. 361,838
13 Claims. (Cl. 179—170)



1. In combination with a two-way telephone system including at a terminal thereof oppositely directed, one-way transmission paths for repeating telephone signal waves in opposite directions, both subject to interfering noise waves, a wave-operated switching circuit connected to each of said paths for respectively conditioning the terminal for transmitting only or for receiving only, means normally reducing the sensitivity of each of the two wave-operated switching circuits sufficiently to prevent false operation by noise waves in the absence of signal transmission in the connected transmission path, a control device substantially unresponsive to noise waves but responsive to telephone signals of substantially all amplitudes, connected to the transmitting signal transmission path, operating on outgoing telephone signals therein, to increase the sensitivity of the switching circuit connected to said transmitting path, so as to enable quick operation of that circuit by the outgoing telephone signals when the receiving switching circuit is unoperated, and a second control device substantially unresponsive to noise waves but responsive to telephone signals of substantially all amplitudes, operating in synchronism with the first control device in response to incoming telephone waves in the receiving path, when the transmitting switching circuit is unoperated, to effectively control the relative sensitivities of the two switching circuits so as to provide a desired positive margin against false operation of said trans-

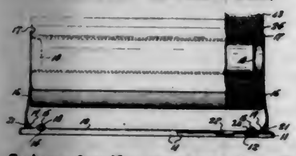
mitting switching circuit by signal echoes, enabling a greater signal output for said receiving path to be obtained.

2,254,734
PHASE CHANGING ELECTRICAL CIRCUIT ARRANGEMENT
Shirley Waldron Hugh Wolseley Falloon, Chelmsford, and George Millington, London, England, assignors to Radio Corporation of America, a corporation of Delaware
Application January 21, 1939, Serial No. 252,154
In Great Britain January 22, 1938,
7 Claims. (Cl. 178—44)



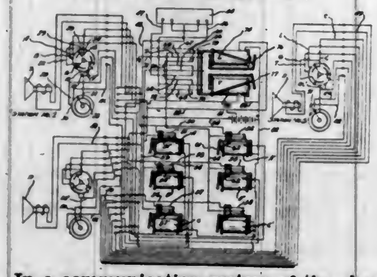
1. A variable phase changing arrangement comprising a pair of inductance coils having a common diameter and disposed at an angle to each other, and forming the stator of a variable transformer, each coil forming part of a tuned circuit, said circuits being so dimensioned that the phase angle between the currents therein when energized by alternating current is equal to the angle between said coils, a second pair of mutually perpendicular coils forming the rotor of said variable transformer, means for applying alternating current to said first mentioned pair of coils, a balanced output circuit, one end of each of said second pair of coils being connected together and to a neutral point in said output circuit, the other ends of said second pair of coils being connected to points on said output circuit which are adapted to oppositely vary in potential with respect to said neutral point, the relative phase relationship between the input and output alternating currents depending upon the angle of the rotor relative to the stator.

2,254,735
PAPER ROLL SUPPORT
Charles Fischer, Newark, N. J.
Application November 8, 1938, Serial No. 239,502
1 Claim. (Cl. 242—55.2)



In a fixture for the purposes described, a base and spaced bracket arms hingedly connected with said base, each bracket arm comprising a sheet metal structure provided by a tensionally flexible body having at its free end a presser member provided with a roll engaging journal boss projecting from its inner face, said body having at its opposite end portion an inwardly curved extension of reduced width, said extension terminating in a hinge eye by which it is pivotally connected with the base, and said body having at each side and in the plane thereof stop elements projecting beyond the juncture of said curved extension therewith toward said base, said stop elements being adapted to engage the base top to limit the pivotal movement of the body, whereby flexing movement of the latter and its extension beyond stopped position will store energy therein sufficient to frictionally engage the presser member thereof with a roll end rotatably mounted on its journal boss.

2,254,736
INTERCOMMUNICATING SYSTEM
Richard T. Fitzpatrick, Detroit, Mich., assignor to Wilbert I. Rudolph, Detroit, Mich.
Application February 14, 1940, Serial No. 318,874
12 Claims. (Cl. 179—40)



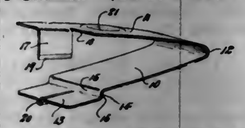
1. In a communication system of the class described, a plurality of speaking units located at separated points; a selector switch for each of said units operable for establishing electrical connection between said unit and any of said other units, individually, selectively; a relay switch for each of said units, the relay switch of the selected unit being energized upon operation of a selector switch for selecting the unit; a talk-listen switch for each of said units movable to closed position, talking position and listening position, the circuit to said relay switches being energized upon movement of said talk-listen switch to either of said positions; a second relay for each of said units, the relay for each of said units being energized upon movement of the talk-listen switch of said unit to either of said positions; and means for maintaining said first-named relay energized upon movement of the talk-listen switch from any of said positions to the other.

2,254,737
VENDING APPARATUS
Benjamin W. Fry, University City, Mo.
Application January 3, 1939, Serial No. 248,983
7 Claims. (Cl. 312—94)



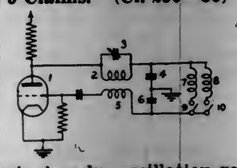
1. In a dispensing machine, a box-like structure for containing articles to be dispensed, vertical track means on one face of said structure, article-supporting trays engaging said track means to be guided in movement thereby, means supporting the lowermost tray, the other trays being supported by the articles to be dispensed in alternating tray and article disposition in a stack resting on said lowermost tray, said lowermost tray supporting means comprising a relatively stationary rest for the front edge of the tray and a pivoted channel-shaped member for the rear edge of the tray, and means for oscillatably pivoting said channel-shaped member whereby said rear edge first rests on the top flange thereof, then falls from the top flange to the bottom flange thereof, and finally is released to fall from the bottom flange to deliver the article carried thereon.

2,254,738
CUTTING TOOL
Homer Gamache, Newark, N. J., assignor to Acme Metal Goods Manufacturing Co., Newark, N. J., a firm composed of August C. Fischer and Charles Fischer
Application February 7, 1939, Serial No. 255,128
3 Claims. (Cl. 30—175)



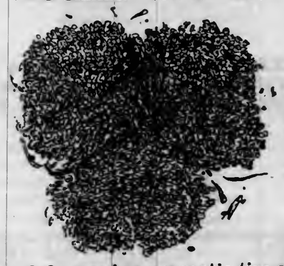
3. A cutting tool formed from a single piece of sheet metal doubled upon itself to provide a pair of resiliently opposed arms, one arm being formed at its free end to provide a downwardly offset flat supporting plate to receive and back the material to be cut, a cutting blade at the free end of the other arm to oppose said supporting plate, said cutting blade comprising a section of said last named arm severed therefrom along a transverse line extending part way across the width of said latter arm, said section being down-turned to a plane angular to the plane of said latter arm and perpendicular to the plane of said supporting plate, said blade section having a straight sharpened bottom edge, and said supporting plate having an upwardly open channeled portion opposed to said blade so as to permit the blade cutting edge to intersect the plane of said supporting plate during its cutting stroke.

2,254,739
THERMIONIC VALVE OSCILLATION GENERATOR
Harry Grayson, London, England, assignor, by mesne assignments, to Cinema-Television Limited, London, England, a British corporation
Application June 27, 1939, Serial No. 281,379
In Great Britain November 28, 1938
5 Claims. (Cl. 250—36)



1. A thermionic valve oscillation generator circuit comprising a thermionic valve, a first inductance connected between the anode and cathode of said valve in series with a condenser, a second inductance connected between the grid and cathode of said valve in series with a condenser said first and second inductances being coupled by mutual inductance, connections to opposite poles of a source of potential, said condensers having their terminals connected to the poles of said source, the values of said inductances and capacitances being such that the valve will operate as a reaction oscillator, a third inductance, and a switch for connecting said third inductance between the terminals of said condensers connected with the same pole, said third inductance being of such value that when so connected the valve will operate as a Colpitts oscillator.

2,254,740
HEAT RESISTING YARN AND CORD
Albert W. Hansen, Springfield, and William F. Guinan, Northampton, Mass., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey, and Hampton Company, Easthampton, Mass., a corporation of Massachusetts, jointly
Application March 13, 1940, Serial No. 323,704
3 Claims. (Cl. 57—139)



1. A cord, for use in pneumatic tire casings and the like, which comprises a plurality of hydrated cotton yarns stretched beyond their original length and twisted together to form a cord, said cord exhibiting a stress-strain curve concave downwardly at stretches appreciably below 5% at 10 lbs. load.

2,254,741
METHOD OF MAKING HEAT RESISTING YARN AND CORD, AND THE CORD
Albert W. Hansen, Springfield, and William F. Guinan, Northampton, Mass., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey, and Hampton Company, Easthampton, Mass., a corporation of Massachusetts, jointly
Application March 13, 1940, Serial No. 323,705
36 Claims. (Cl. 57—139)



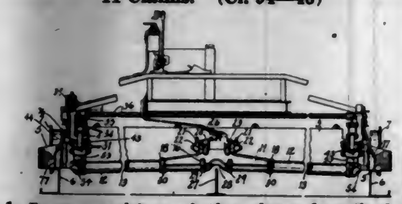
1. The method of treating unregenerated cellulose yarns for use in tire cords and the like which comprises hydrating the cellulose of the yarns while subjecting the yarns to sufficient tension to effect a permanent elongation thereof.

2,254,742
EXCAVATOR
Elmer T. Humphrey, Big Sandy, Mont.
Application February 26, 1940, Serial No. 320,813
16 Claims. (Cl. 37—104)



1. A machine for clearing out a transverse trough beneath railway rails for the reception of a tie therein, comprising a frame supported over the rails, a chain extending over the frame and downwardly beneath the rails for transverse movement with respect to said rails, scraping tools carried by the chain, means for operating the chain, means for parting the chain, and means for forcefully casting the parted ends of the chain outwardly alongside the rails.

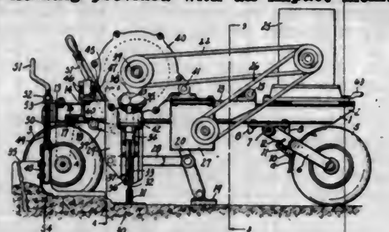
2,254,743
CONCRETE PLACEMENT APPARATUS
Corwill Jackson, Ludington, Mich.
Application August 11, 1939, Serial No. 289,594
11 Claims. (Cl. 94—48)



1. In a machine of the class described, the combination with a carriage provided with forwardly projecting frame members, of a rockshaft mounted adjacent the forward ends thereof, supporting arms pivotally mounted on said frame members, arms on said rockshaft having link connection to said supporting arms, means for actuating said rockshaft to pivotally adjust said supporting arm through said rockshaft arm and link connection, a submersible horizontally disposed elongated vibratory element, flexible non-extensible hangers for said vibratory element mounted on said supporting arms intermediate the ends thereof, telescoping members associated with said hangers and provided with bumpers, and flexible non-extensible draft members connected to the forward ends of said supporting arms and to the ends of said vibratory element.

2,254,744
TAMPING MACHINE OR APPARATUS
Corwill Jackson, Ludington, Mich.
Application August 11, 1939, Serial No. 289,595
14 Claims. (Cl. 94—49)

6. In a machine of the class described, the combination with a main frame, of an auxiliary frame pivotally mounted on said main frame, means for raising and lowering said auxiliary frame, opposed depending tamper guide members on said auxiliary frame, a tamper mounted on said guide members for limited reciprocatory movement and provided with an impact head and with a tappet coacting therewith, an impact rotor housing pivotally mounted on said auxiliary frame and adapted to engage said tamper impact head when the auxiliary frame is in lowered position, and an impact rotor within said housing provided with an impact member



cooperating with said tappet as the rotor is rotated when said tappet is projected into the path thereof by the engagement of the tamper with the work.

2,254,745
RECOVERY OF PHENOLS
Joseph Jannek, Ludwigshafen-on-the-Rhine, Germany, assignor, by mesne assignments, to William Ellyson Currie, New York, N. Y.
No Drawing. Application September 13, 1939, Serial No. 294,676. In Germany September 24, 1938
1 Claim. (Cl. 260—627)

In the process of recovering phenols from their aqueous solutions by adsorption with active carbon the improvement which comprises using as the adsorbent non-coking mineral coal which has been activated with steam.

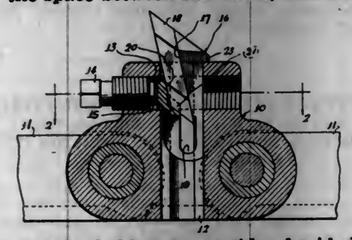
2,254,746
OPTICAL ARTICLE FOR ASSISTING VISION
John H. Line, Chicago, Ill.
Application March 27, 1939, Serial No. 264,430
3 Claims. (Cl. 88—47)



1. In an article of the class described, the combination with a lens having a beveled edge portion, half-round notches in the ends of said beveled edge portion, and a central lens centering notch in said beveled edge portion, of an endwise stretchable spring lens-gripping rim member coextensive with said beveled portion and having a longitudinal channel shaped to fit and cover said beveled portion, said rim member having half-round internal lugs disposed crosswise of the ends of said channel and shaped to snap into and fill said notches in a stretched and tensioned condition of said rim member, and a central lug adapted to register with said central notch of the lens to center the latter when applying the lens to the rim.

2,254,747
CUTTER CHAIN
William T. McCullough, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application April 4, 1940, Serial No. 327,756
4 Claims. (Cl. 262—33)

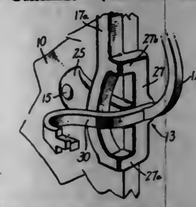
1. A holder for holding a cutter bit in a cutter chain block, including a member adapted to fit in an aperture in a cutter chain block, said member being constructed from a yieldable metal and being slotted in a longitudinal direction to permit one side thereof to be yieldably drawn towards the opposite side thereof, for clamping a bit in the space between said sides, and the portion of said bit holder on one side of said slotted portion having a forwardly projecting portion adapted to be engaged by a set screw in said chain block and adapted to be engaged with the aperture in which said set screw is mounted by resiliency of said bit holder, to prevent the throwing of said bit holder from said chain block when said bit has been removed therefrom.



2,254,748
PRODUCTION OF HYDROCARBONS FROM CARBON MONOXIDE AND HYDROGEN
Wilhelm Michael, Ludwigshafen-on-the-Rhine, and Wolfgang Jaeckh, Heidelberg, Germany, assignors, by mesne assignments, to William E. Currie, New York, N. Y.
No Drawing. Application April 9, 1938, Serial No. 201,128. In Germany April 14, 1937
3 Claims. (Cl. 260—449)

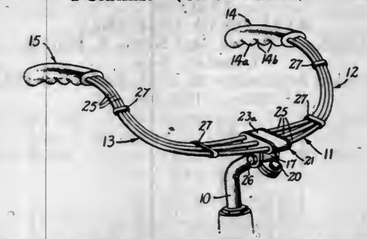
1. A process for the conversion of carbon monoxide and hydrogen into hydrocarbons containing more than one carbon atom in the molecule which comprises contacting the said carbon monoxide and hydrogen at a reacting temperature between 150° and 450° C. with a catalyst prepared by reducing a compound of a metal of the iron group, reducible to the metal at a temperature below 500° C., by treatment at an elevated temperature below 500° C. with a reducing gas and then treating the reduced substance in the absence of an oxidizing gas at such a high temperature above 500° C. but below the melting point of the reduced substance and for such a long time that at least partial sintering of the reduced substance takes place.

2,254,749
EYEGLASS CONSTRUCTION
George E. Nerney, Attleboro, Mass., assignor to Bay State Optical Company, Attleboro, Mass., a corporation of Maine
Application April 15, 1939, Serial No. 267,977
7 Claims. (Cl. 88—41)



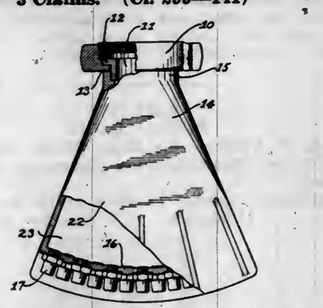
1. In eyeglass construction, in combination, a lens, a saddle member connected to said lens, parts of said saddle extending both upwardly and downwardly along the edge of said lens, a pair of legs extending rearwardly from the upper and lower end of said parts respectively, and a temple-supporting member extending along the rear surface of the upper edge of said lens and connected to the rear ends of said legs, whereby the lower end of said temple-supporting member bridges the parts of said saddle connecting said saddle to said lens.

2,254,750
HANDLEBAR CONSTRUCTION
George E. Nerney, Attleboro, Mass.
Application December 9, 1939, Serial No. 308,333
4 Claims. (Cl. 74—551.2)



1. In handlebar construction, in combination, a cycle steering post, a split sleeve formed in the end of said post, a yoke construction, and a pair of arms connected to said yoke and extending outwardly and rearwardly therefrom, said yoke construction comprising a plate member fixedly secured to one arm and having an extension with a lug formed thereon to fit within said split sleeve, and a complementary plate slidably fitted over the other of said arms and having a complementary extension opposite said last-mentioned extension, said extensions and said lug having holes formed therein for the insertion of a fastening bolt.

2,254,751
HEAD FOR FIRE HOSES AND THE LIKE
Raymond P. Paradise, Indianapolis, Ind.
Application July 5, 1938, Serial No. 217,328
3 Claims. (Cl. 299—141)



1. A fire nozzle comprising a body having an internal distributing cavity increasing in horizontal width from an intake end of the body toward its front end; a front wall across said body curving convexly outwardly and provided with a plurality of orifices arranged in two straight line rows horizontally therearound, the orifices in one row being staggered in relation to the orifices in the other row; a nipple secured in each of said orifices and extending outwardly

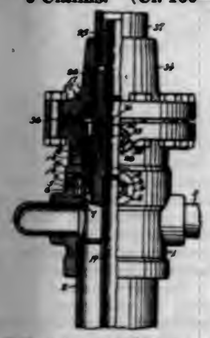
therefrom each on a radial line of the curvature of said front wall to have the axes of the nipples of one row in a horizontal plane parallel to the plane of the axes of the nipples of the other row, said nipples being spaced one from another over said front wall a distance not substantially greater than the diameters of the nipples, each of said nipples being formed to have an initial internal diameter at its inlet end less than its internal diameter therebeyond; and a closure across the outer end of each nipple having a central, axially aligned discharge orifice, the edges of which orifice define an area less than the internal transverse cross-sectional area of the major diameter part of the nipple.

2,254,752

WELL HEAD ASSEMBLY

Arthur J. Penick and Kirby T. Penick, Houston, Tex.

Application September 25, 1937, Serial No. 165,620
6 Claims. (Cl. 166—14)



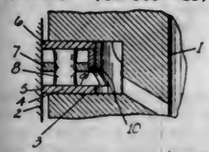
1. A well head assembly comprising a casing head, retractable supporting means therein, a tubular support mounted on said supporting means, a tubular hanger in the support, retractable supporting means on the hanger arranged to engage the support to support the hanger and the tubing suspended therefrom and being movable inwardly to clear the support to permit downward movement of the hanger through the support, the retractable means on said hanger having the upper end thereof beveled to effect the retraction thereof upon upward movement of the hanger through the support.

2,254,753

PISTON RING

Harold P. Phillips, Hastings, Mich., assignor to Hastings Manufacturing Company, Hastings, Mich.

Application October 29, 1938, Serial No. 237,687
11 Claims. (Cl. 309—45)



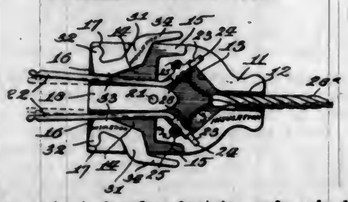
4. A composite piston ring assembly comprising a pair of thin split ribbon steel sections adapted for edge engagement with a cylinder wall, means disposed behind said sections for radially urging the same outwardly, a spacer disposed between the sections to maintain the same in axially spaced relation, said spacer comprising an annular split element of ribbon steel adapted to engage the cylinder wall, and a plurality of circumferentially spaced lug-like members carried by the element and having portions disposed on either axial side thereof in sustaining engagement with the sections, said members providing therebetween ample drainage space for oil through the spacer.

2,254,754

CONTACT PLUG FOR ELECTRIC CORDS

Harvey M. Reece, Los Angeles, Calif.

Application August 24, 1939, Serial No. 291,709
2 Claims. (Cl. 173—361)



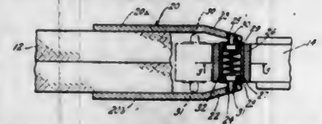
1. In a contact plug for electric cords, a body of insulation provided in its rear portion with a recess and there being recesses formed in the sides of the body in front of the first mentioned recess, a block forming a part of said body and disposed between the recesses in the sides of the body, the rear portion of which block extends into the first mentioned recess, contact fingers of resilient metal having their rear ends seated in the body to the sides of the recess in the rear portion thereof, said contact fingers bearing on the sides of the rear portion of said block, the forward portions of said contact fingers extending on diverging lines forwardly through the inner portions of the recesses in the forward side portions of the body, said diverging forward end portions projecting a substantial distance beyond the forward end of said body, contact finger flexing levers positioned in the forward recesses in said body to the sides of the diverging portions of the contact fingers, lugs projecting outwardly from the forward ends of said fingers, which lugs are fulcrumed in the forward portions of the recesses in the front of said body and the rear portions of which levers project outwardly and rearwardly through the rear portions of the recesses that are formed in the front portion of said body.

2,254,755

BRACELET CONSTRUCTION

John Sand, Newark, N. J., assignor to Gemex Company, Newark, N. J., a corporation of New Jersey

Application September 23, 1939, Serial No. 296,233
1 Claim. (Cl. 24—201)



In a watch bracelet having a pair of flexible cord sections which are connected to the watch and have a pair of free ends, in combination, a connector member having a portion covering the free end of one of said cord sections of said bracelet, means securing said last-mentioned free end

to said connector member, a pair of vertical side walls formed on said connector member tapering inwardly toward each other, a flat top extending between the upper edges of said side walls, said side walls and top forming a channel narrower at one end than at the other, said side walls having holes formed therein at the narrower end of said channel, a second connector member, means connecting the free end of the other cord section to said second connector member, a cylindrically shaped eye member formed on said second connector member extending transversely thereacross, a pair of pins extending out of the ends of and movable axially with respect to said eye member, resilient means positioned between and urging said pins outwardly from the ends of said eye member, and means to limit the outward movement of said pins, the distance between the tapered side walls of said connector member at the inner end of said channel being slightly greater than the distance between the ends of said pins when they are in extended positions, whereby said eye member may be placed in the inner end of said channel with the pins extended, and then when said eye member is drawn outwardly, it is guided by the flat top and the side walls of said channel, the pins being pressed inwardly by the tapered side walls until they snap into the holes in the side walls.

2,254,756

LUBRICATING OIL

Ernest Segessemann, Newark, N. J., assignor to National Oil Products Company, Harrison, N. J., a corporation of New Jersey

No Drawing. Application June 18, 1938, Serial No. 214,581
13 Claims. (Cl. 252—46)

2. As a new composition of matter, a sulfur carrier for lubricants comprising a sulfurized unsaturated aliphatic alcohol having at least 8 carbon atoms.

2,254,757

PROCESS OF MAKING TORCH TIPS

Elmer H. Smith, Minneapolis, Minn., assignor to Smith Welding Equipment Corporation, Minneapolis, Minn., a corporation of Minnesota

Continuation of application Serial No. 261,484, March 13, 1939. This application July 3, 1939, Serial No. 282,750
5 Claims. (Cl. 29—157)



1. A process of forming a torch tip which consists in placing a tubular blank of ductile metal on a longitudinally ribbed arbor, swaging said blank until its bore is reduced and shaped to conform to the periphery of the arbor, then removing the arbor, whereby a plurality of longitudinal grooves are provided in the bore of the blank, inserting an unribbed core of ductile metal in the grooved bore of the blank, then inserting wire elements through the apertures formed by said grooves, and again swaging the blank to further reduce its diameter, and whereby said apertures are reduced to the diameter of said wires, and then removing the wires.

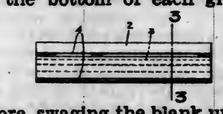
2,254,758

PROCESS OF MAKING TORCH TIPS

Elmer H. Smith, Minneapolis, Minn., assignor to Smith Welding Equipment Corporation, Minneapolis, Minn., a corporation of Minnesota

Application February 8, 1940, Serial No. 317,869
3 Claims. (Cl. 29—157)

1. A process of forming a torch tip from a blank of ductile metal having an axial bore, which consists in cutting a plurality of longitudinally extending grooves in the periphery of said blank in spaced relation around the circumference of the blank, which grooves are inclined to radii of the blank and their depth being relatively greater than their width, placing a wire element in the bottom of each groove and in



said axial bore, swaging the blank until the walls of said grooves and bore are pressed firmly into contact with the peripheries of their respective wire elements, whereby the wire elements become embedded in said blank, and then removing the wire elements from said blank, whereby a plurality of longitudinally extending passages are provided therein.

2,254,759

METHOD OF CUTTING AND BAKING ROLLS

Clyde E. Stainbrook, Memphis, Tenn.

Application August 12, 1939, Serial No. 289,715
2 Claims. (Cl. 107—54)



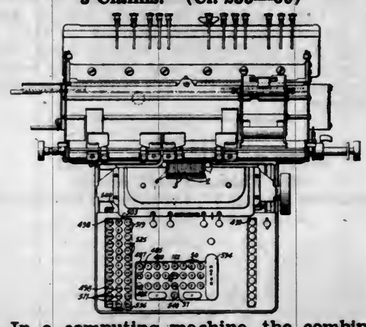
1. A baking method which includes rolling out a layer of dough of substantially uniform and desired thickness, placing successively thereon a group of cutters and an inverted baking pan, inverting the assembly thus formed and exerting pressure on said dough to separate same into units of cutter shape and force said units through said cutters and into baking position, removing said cutter and superposed instrumentalities, allowing said dough to rise, and subsequently baking it.

2,254,760

COMPUTING AND PRINTING MACHINE

Oscar J. Sundstrand, Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

Original application December 18, 1931, Serial No. 581,800. Divided and this application April 28, 1937, Serial No. 139,538
3 Claims. (Cl. 235—60)

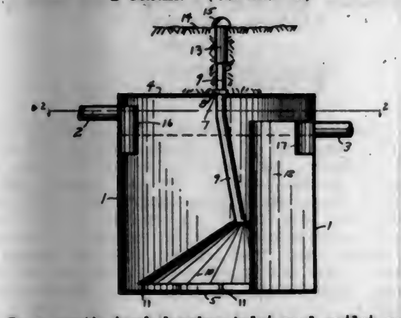


1. In a computing machine, the combination of a group of stops, keys for setting the stops, means for restoring the stops, means to initiate a cycle of operations of the machine, means to prevent normal depression of the keys, said preventing means being movable into effective position under control of and upon operation of said cycle initiating means, and means sensitive to

operation of the keys for latching said preventing means in effective position.

3. In a machine of the class described, having digit indexing mechanism and amount keys for operating the mechanism, a restoring device for the indexing mechanism including an arm adapted to receive an advancing and a return movement during each machine operation, a rod connected with the indexing mechanism and lying normally out of the path of the arm, means to move the rod into the path of the arm during the advancing movement of the arm, the rod being so situated in respect to the arm that it is moved by the arm during the return movement thereof to restore the indexing mechanism, and a disengaging member situated so as to be moved by the arm during the last increment of its return movement, and adapted to disengage the rod from the arm.

2,254,761
SEPTIC TANK
John W. Swanson, Sharon, Pa.
Application August 7, 1939, Serial No. 288,727
1 Claim. (Cl. 210—6)



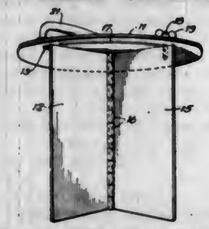
In a septic tank having inlet and outlet openings and a partition dividing the tank into two compartments, a directional baffle positioned in the compartment adjacent the said inlet opening, said directional baffle comprising a semi-cone shaped member, means formed in the said tank for supporting the lowermost edge of the directional baffle slightly above the bottom of the said tank, the uppermost edge of the said directional baffle affixed to the said partition, said directional baffle adapted to direct sludge downwardly across the surface thereof so that the same can flow thereinunder, tubular connections communicating with the said baffle and extending upwardly through the said tank and outwardly therefrom.

2,254,762
WIRE WRAPPING METHOD
Otto Thiel, Detroit, Mich.
Application August 23, 1940, Serial No. 355,182
2 Claims. (Cl. 57—162)



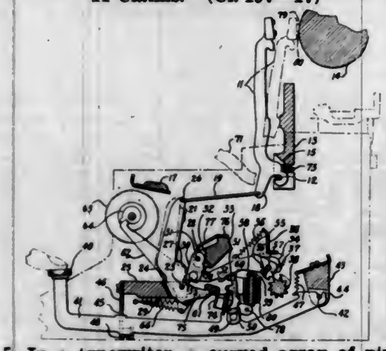
1. In the art of helically wrapping an adhesively coated advancing wire or the like with overlapping turns of a ribbon of paper or the like, that step which consists in so directing the ribbon that the whole of one surface thereof scrapes along the advancing wire at a point prior to the point where the ribbon is wrapped in overlapping turns around the wire, with its adhesively coated surface then engaging the wire and the dry surface of an already wrapped turn of paper.

2,254,763
MEASURING AND CUTTING DEVICE
Benjamin J. Wolfe, Chicago, Ill.
Application June 11, 1941, Serial No. 397,564
5 Claims. (Cl. 31—11)



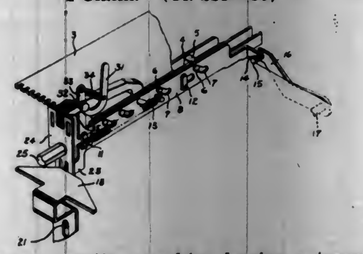
1. In a device of the class described, the combination of a plate adapted to rest on and cover the upper end of a jar, said plate equipped with a volume indicating scale, a fixed blade of a height equal to the depth of the jar, secured to and depending from the under side of said plate, an angularly movable blade of the same size as said fixed blade hinged to the inner edge of the latter, said movable blade carrying a member cooperating with said scale, and means for securing said movable blade to said cover in any angularly set position as shown by said scale.

2,254,764
TYPEWRITING MACHINE
Harry C. Yaeger, West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application December 3, 1938, Serial No. 243,835
11 Claims. (Cl. 197—17)



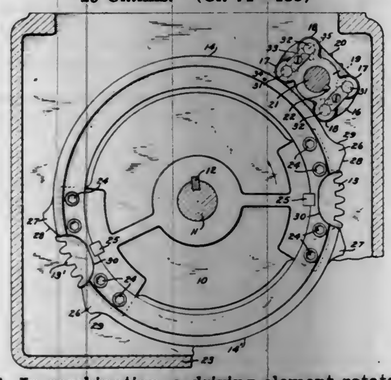
5. In a typewriter, a curved array of pivoted type-bars, an array of levers individually connected to said type-bars and pivoted to swing on horizontally transverse axes, means influencing said type-bars toward normal positions, a straight array of parallelly disposed pusher means adapted for individual rolling contact with said levers and reciprocable from and to normal positions, power operating means, means selectively operable to cause said power operating means to impart a single reciprocation to any one of the pusher means, said pusher means in moving from normal positions causing said type-bars to be impelled toward typing positions, the type-bars continuing by momentum to type and returning to normal positions uninfluenced by said pusher means.

2,254,765
ACCOUNTING MACHINE
Walter A. Anderson, Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application December 31, 1937, Serial No. 182,680
1 Claim. (Cl. 235—60)



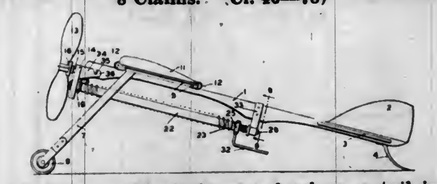
In an accounting machine having a traveling paper carriage, elements thereon to control various machine functions, a member traveling with the carriage to alter the effect of said elements, and stationary means to operate said member a given extent to one position during tabulation of the carriage, the combination of a plate acting as a guide for said member, means whereby the member may be manually operated a different extent to a second position, and latching means cooperating with said plate for latching the member in the latter position.

2,254,766
MOTION TRANSMITTING MECHANISM
Karl H. Andren, Milwaukee, Wis., assignor to Artos Engineering Company, Milwaukee, Wis., a corporation of Wisconsin
Application June 15, 1940, Serial No. 340,685
19 Claims. (Cl. 74—435)



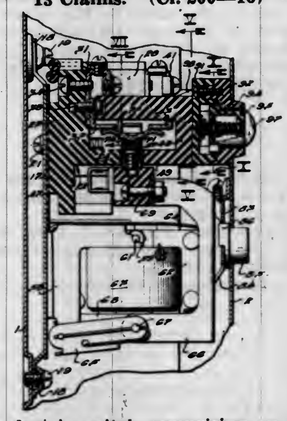
1. In combination, a driving element rotatable about an axis and having peripheral teeth, a driven element having peripheral teeth cooperable with the teeth of said driving element to intermittently rotate said driven element about another axis, and a roller carried by one of said elements and coacting with the periphery of the other to alternately impart initial rotation to and to aid in preventing rotation of said driven element during a portion of each revolution of said driving element.

2,254,767
MODEL AIRPLANE
John E. Bardwell, St. Louis, and William Hrach, Richmond Heights, Mo.
Application February 17, 1941, Serial No. 379,334
8 Claims. (Cl. 46—78)



2. In a model airplane, a fuselage, a tail including a fin and stabilizers, wings constructed as a unit, and means for securing the wings to the fuselage including deformable clips which when pressed into cooperative position with respect to parts of the wings and fuselage will secure said wings in operative position for flying purposes but will permit the wings to become detached if a wing should strike an object.

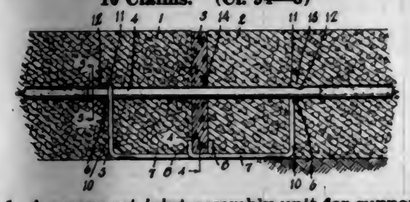
2,254,768
ELECTRIC SWITCH
Josef Bierenfeld, Milwaukee, Wis., assignor to Square D Company, Detroit, Mich., a corporation of Michigan
Application December 1, 1937, Serial No. 177,409
13 Claims. (Cl. 200—16)



1. An electric switch comprising an insulating member including a main body portion, three vertical wall portions projecting forwardly thereof and three bottom wall portions extending forwardly thereof, terminals and stationary contacts mounted on said main body portion and said vertical wall portions, said forward and backward contacts being arranged in spaced aligned pairs, a second insulating member including a main body portion, rearwardly projecting vertical wall portions and a rearwardly projecting partial bottom wall portion, means for mounting said second member upon said first mentioned member to form three isolated chambers about said pairs of contacts, the bottom wall portions on

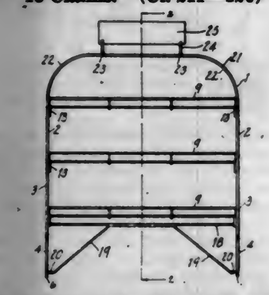
said members failing to meet so as to provide entrance openings into the chambers, movable contacts within the chambers, and means extending through said bottom openings for effecting manipulation of said bridging contacts into and out of engagement with the spaced pairs of contacts.

2,254,769
PAVEMENT JOINT ASSEMBLY UNIT
Dewey H. Bitney, Albion, Mich., assignor to Union Steel Products Company, Albion, Mich.
Application November 25, 1938, Serial No. 242,138
10 Claims. (Cl. 94—8)



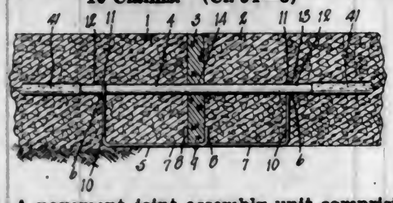
1. A pavement joint assembly unit for supporting and securing a dowel extending transversely of and embedded in a pair of adjacent pavement sections and through a filler placed between the sections, comprising a cross member formed of a pair of L-shaped elements having upstanding terminal lugs, said elements being welded together with said lugs spaced sufficiently to receive and position a joint filler, said elements each having an upstanding leg, and longitudinal dowel supporting rods welded to said legs intermediate the length thereof, each of said legs terminating in a laterally offset arm spaced sufficiently above the rod to receive a dowel between the arm and rod, said arms terminating in downwardly offset detents bindingly engaging the dowel to secure the same in the space between the arm and rod, the arms on each cross member being disposed in opposite directions whereby to permit assembly of the dowel relative thereto by swinging movement of the dowel.

2,254,770
DISPLAY RACK
Dewey H. Bitney, Albion, Mich., assignor to Union Steel Products Company, Albion, Mich., a corporation of Michigan
Original application January 7, 1939, Serial No. 249,710. Divided and this application July 1, 1939, Serial No. 282,331
13 Claims. (Cl. 211—126)



1. In a display rack, the combination of end members comprising spaced uprights and connecting members therefor, sheet metal socket members welded on the inner sides of the uprights in opposed pairs and provided with inturned end flanges providing sockets, and rack members provided with downwardly projecting plate-like dowels having portions struck up at each end thereof providing wedging members engaged in frictional wedging engagement with said socket flanges, said rack members constituting longitudinal connecting and bracing members for said end members.

2,254,771
PAVEMENT JOINT ASSEMBLY UNIT
Dewey H. Bitney, Albion, Mich., assignor to Union Steel Products Company, Albion, Mich., a corporation of Michigan
Application September 14, 1939, Serial No. 294,804
10 Claims. (Cl. 94—8)



5. A pavement joint assembly unit comprising longitudinal members, and cross members each comprising a pair of base portions having upright portions at the outer ends thereof welded to said longitudinal members, the base portions being parallel and spaced laterally an amount substantially equal to the thickness of a dowel, said base portions having their inner ends in longitudinally overlapping relation, said base portions having connecting tie members secured to their overlapping portions and maintaining the base portions of each cross member in laterally spaced relation, the upright portions of said cross members terminating in laterally offset arms disposed above and in spaced relation to said longitudinal members to receive a dowel of curved section between them, said arms terminating in return bent downwardly offset detent portions, the ends of which are spaced from said uprights to engage the dowel at a point to one side of a vertical plane through its point of greatest width and below the topmost portion thereof and thereby secure the dowel against the uprights and longitudinal members by a wedging action.

2,254,772
PENCIL SHARPENER
James K. Burleigh and Leon Schwartz, Yonkers, N. Y.
Application July 31, 1940, Serial No. 348,626
5 Claims. (Cl. 120—96)



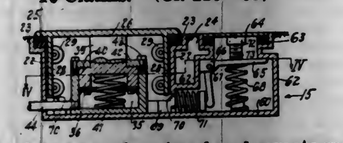
2. In a sharpening device of the class described, the combination of cutting elements rotatably supported upon a gear, movable means for supporting said gear, means for rotating said gear when said movable means is moved in an arcuate path, and means on said movable means for rotating said cutting elements when said gear is rotated.

2,254,773
SCORE CARD
Oscar S. Butler, Cleveland, Ohio
Application November 9, 1940, Serial No. 365,131
3 Claims. (Cl. 281—44)



2. In a score card, an envelope, a slide moveable within said envelope, a series of openings in said envelope aligned in the direction of movement of said slide, hiding areas in said envelope adjacent said openings and aligned therewith and adapted to hide entries made on said slide through said openings, and stop means for limiting the movement of said slide in both directions of movement so that entries made on said slide through said openings when said slide is in one extreme position as fixed by said stop means will be covered by the hiding areas adjacent the respective opening when said slide is in the other extreme position as fixed by said stop means, said stop means further being of such character as to limit the movement of the slide to a distance substantially equal to the width of the individual openings, said device being further characterized in that all entries made upon said slide through said openings are either concealed or revealed when the slide is in the corresponding extreme position.

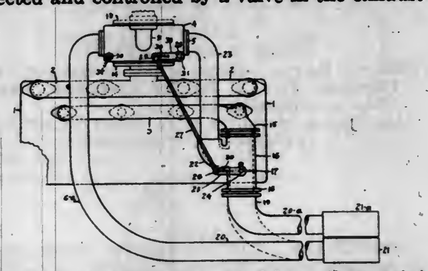
2,254,774
HIGHWAY CROSSING SIGNAL
Robert L. Cooper, Arlington, Tenn., and Victor Reed Thompson, Olive Branch, Miss.
Application May 20, 1939, Serial No. 274,728
10 Claims. (Cl. 116—63)



4. A highway warning signal and remote mechanism for operating said signal, said mechanism including a first depressible member in said highway in the line of travel of vehicles approaching said signal, and adapted for operation of said signal, a second depressible member in said highway adjacent said first member and between said first member and said signal, and means actuated by the passage of a vehicle, moving away from said signal, over said second member for supporting said first member against operating movement during the subsequent passage of said vehicle thereover.

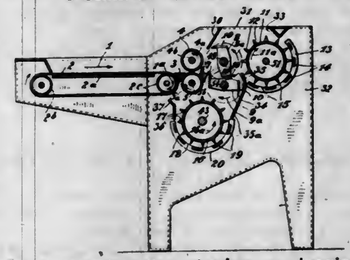
2,254,775
INTERNAL COMBUSTION ENGINE
Philip J. De Hetre, Compton, and Robert R. Haley, Los Angeles, Calif.
Application March 10, 1939, Serial No. 260,954
1 Claim. (Cl. 123—127)

In an internal combustion engine having intake and exhaust manifolds and exhaust pipe, means for adapting said engine to operate with either light or heavy fuel, said means including a carburetor vaporizing light fuel directly to the intake manifold, a secondary carburetor vaporizing heavy fuel through a heater to the intake manifold, said heater including a block having a plurality of relatively small passages between the said secondary carburetor and the intake manifold, said heater also having other passages adjacent to said block through which hot exhaust gases may be by-passed to heat the heavy fuel by radiation, the by-passing of the said gases being effected and controlled by a valve in the exhaust



pipe, said valve being operated by a thermostat located in said heater; means for supplying fuel to each of said carburetors, said means consisting of a mechanically actuated fuel pump supplying light fuel to its carburetor, and an electrically operated fuel pump supplying heavy fuel to its carburetor, the said electric fuel pump being controlled by a thermostatic switch located in said heater.

2,254,776
APPARATUS FOR RIPPING OR TEARING RAW TOBACCO LEAVES INTO PIECES
Oswald E. Eissmann, Brook Hill, Va., assignor to J. C. Muller, Inc., Richmond, Va., a corporation of Virginia
Application July 1, 1939, Serial No. 282,335
9 Claims. (Cl. 131—146)



1. An apparatus for ripping or tearing raw tobacco leaves into pieces, comprising a feed device, a first rotary loosening device, a second rotary loosening device below the first loosening device, both loosening devices having combs, each comb acting at substantially right angles to the leaves fed by the feed device, and a rotary cleaning device for each loosening device, said rotary cleaning devices cooperating with respective loosening devices to convey the stripped tobacco in separate paths.

2,254,777
PROCESS OF PRODUCING ARTIFICIAL STAPLE FIBERS RESEMBLING WOOL
Paul Esselmann, Wolfen, Kreis Bitterfeld, and Fritz Davidshöfer, Dessau, Anhalt, Germany, assignors, by mesne assignments, to Walther H. Duisberg, New York, N. Y.
No Drawing. Application July 24, 1937, Serial No. 155,576. In Germany August 26, 1936
5 Claims. (Cl. 18—54)

1. A process of producing artificial staple fibers

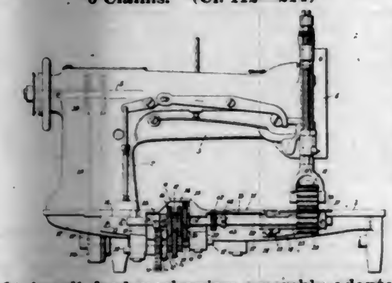
resembling wool, which comprises spinning viscose in a precipitating bath containing more than 70 per cent of an alcohol of comparatively low boiling point and subsequently decomposing the freshly coagulated xanthate threads by subjecting said threads to the action of a medium having a temperature of from about 90 to about 150° C.

2,254,778
TIRE CONSTRUCTION
Clair G. Hoover, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application March 24, 1937, Serial No. 132,755
1 Claim. (Cl. 152—209)



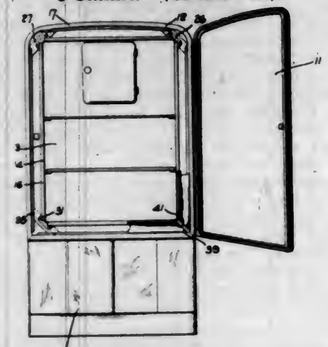
A tire structure comprising a tread portion that is formed with a plurality of circumferentially extending ground engaging ribs that are separated by continuous intervening grooves, each rib being formed solely on the lateral face thereof that is nearest the central plane of the tire with a circumferential series of wedge-shaped lugs that extend partly across a groove and have their apexes directed toward the plain smooth lateral surface of the adjacent rib.

2,254,779
PULL-FEED MECHANISM FOR SEWING MACHINES
Walter Myers, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application October 24, 1939, Serial No. 300,914
6 Claims. (Cl. 112—214)



1. A pull-feed mechanism assembly adapted to be attached as a unit to a sewing machine, comprising, a supporting bracket, a pull-feed roller carrying shaft rotatably journaled in said bracket, a plurality of gear-wheels rotatably mounted upon said shaft, means for selectively keying any one of said gear-wheels to said shaft for rotation therewith, speed-reducing mechanism carried by said bracket for rotating said gear-wheels at different speeds, an intermittently rotated star-wheel journaled in said bracket and operatively connected to said speed-reducing mechanism, and a rotary pin-wheel in constant operative engagement with said star-wheel for imparting intermittent rotation thereto.

2,254,780
REFRIGERATION APPARATUS
Anthony A. Quimper, Westfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 23, 1938, Serial No. 241,937
8 Claims. (Cl. 220—15)

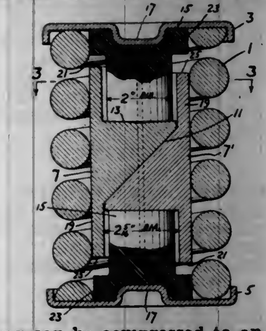


1. In a refrigerator cabinet, the combination of walls comprising inner and outer sheets with heat insulation disposed therebetween, said walls having a substantially rectangular access opening therein and a door therefor, said inner and outer sheets each having an edge portion about said opening, said portions lying substantially in the same plane and spaced from one another and a plurality of separate diagonal strips comprising stiff material secured across the corners of the opening of the outer sheet, said strips being spaced a considerable distance from each other and being secured to the edge portion of both the inner and the outer sheets to hold said portions in alignment, said strips providing a path of low heat conductivity between said inner and outer sheets and a breaker strip adjacent the outer face of said edge portions and bridging the space therebetween.

2,254,781
SHOCK ABSORBER
Thomas G. Rabbitt, Philadelphia, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application December 26, 1940, Serial No. 371,741
16 Claims. (Cl. 267—9)

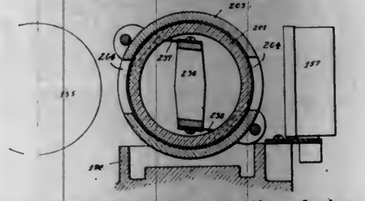
1. A shock absorbing device comprising, in combination, a pair of opposed follower plates, a helical spring extending therebetween, a plurality of segmental shoes adapted to engage the inner face of said spring, means for expanding said shoes on longitudinal compression of said device, each said shoe having a skirt portion at at least one end thereof, the skirt portions forming together an annulus defining an open cylindrical space, and a block of elastic material interposed between at least one of said followers and said expanding means and extending within said

cylindrical space; the volume of said cylindrical space and that of said block being so related that on longitudinal compression of the said block it will fill said space by radial expansion before



said spring can be compressed to an extent sufficient to bring its coils in contact, and thereby will on further compression exert a direct lateral force against the skirt portions of said shoes tending to expand said shoes.

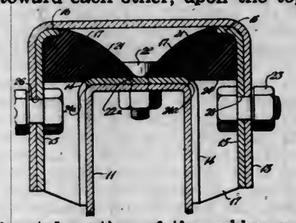
2,254,782
APPARATUS FOR TESTING WATER AND OTHER LIQUIDS
Arthur L. Riche, Freeport, Ill.
Application September 13, 1935, Serial No. 40,379
3 Claims. (Cl. 88—14)



1. The combination in a testing device of a cylindrical observation cell having windows on opposed arcuate sides, the windows being of lesser area than the sides of the cell, means for supplying a liquid under test to said cell, means for projecting a beam of light through said cell, light sensitive means in the path of the light emerging from said observation cell and responsive to said light to measure changes in the stoppage of light by said observation cell, wiper means rotatable about the longitudinal axis of the cell over the inner surface of said cell to remove accumulations thereon affecting the light absorption characteristics of the cell, said means being shaped to be positioned substantially entirely out of registration with the windows at some point in its travel.

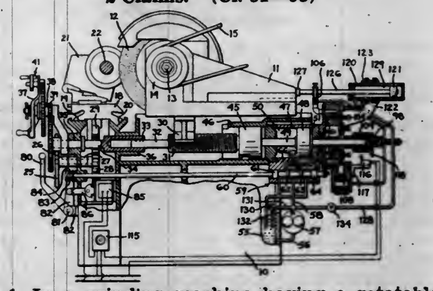
2,254,783
INSULATOR
Ellwood F. Riesing, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application September 22, 1939, Serial No. 296,081
14 Claims. (Cl. 248—358)

1. In an insulator of the character described, the combination of resilient rubber means of general U shape, a metal facing bonded to the confronting faces of the vertical leg portions of the rubber means and to the contiguous bottom face of the intervening horizontal portion thereof, and metal facings bonded to the respective outwardly directed faces of said leg portions, the upper margins of the latter facings being turned toward each other, upon the top face of



the horizontal portion of the rubber means, for a distance equal to about half the thickness of a vertical leg of the rubber structure.

2,254,784
GRINDING WHEEL FEEDING MECHANISM
Herbert A. Silven, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application June 5, 1940, Serial No. 338,967
2 Claims. (Cl. 51—95)



1. In a grinding machine having a rotatable grinding wheel, a transversely movable slide therefor, a hydraulically operated mechanism including a piston and cylinder operatively connected to move said slide transversely in either direction to produce either a forward or rearward feeding movement of the grinding wheel, a fluid pressure system including a fluid pump to supply fluid under pressure to said cylinder, a feed control valve therefor, a second piston and cylinder, means operatively connecting said piston with said slide, a bracket fixedly mounted relative to the base, an adjustable clamping device on said bracket adjustably to support said cylinder, and fluid connections between said pump and said second cylinder continuously to exert a thrust on said slide in one direction during the forward and rearward feeding movement of the slide to eliminate backlash in said feeding mechanism.

2,254,785
PROCESS FOR GUM REFINING
Wiley C. Smith, Arlington, Va., Jesse O. Reed, Washington, D. C., Fletcher P. Veitch, College Park, Md., and George P. Shingler, Lake City, Fla., assignors to Henry A. Wallace, as Secretary of Agriculture, of the United States of America, and to his successor in office
No Drawing. Application August 19, 1940. Serial No. 353,244
3 Claims. (Cl. 260—107)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process of refining crude oleoresin, which

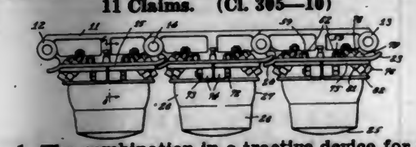
comprises diluting crude oleoresin with turpentine to a turpentine content of 35% to 50% of the resulting mixture; thence heating the mixture until the oleoresin is melted; thence filtering; thence allowing the water in the filtered crude oleoresin to separate and settle; thence removing the said settled water; thence adding water at a temperature sufficient to cause effective separation of the oleoresin from the water, the while vigorously agitating the mixture, thereby causing the water to wash from the said oleoresin the water solubles retained in solution and suspension after the said preliminary settling operation; thence allowing the wash water to settle out from the washed and agitated oleoresin; thence recovering the refined diluted oleoresin capable of making a bright and transparent rosin.

2,254,786
AUTOMATIC SAFETY BRAKE FOR BABY CARRIAGES
John F. Snyder, New York, N. Y.
Application April 5, 1941, Serial No. 387,076
5 Claims. (Cl. 188—20)



1. In combination with a baby carriage having a chassis including side members, front and rear axles carried thereby, wheels carried by the axles, and a handle having a handle bar and side bars; a brake shaft extending transversely of the chassis and rotatably mounted with its end portions projecting outwardly from the side members, blocks carried by ends of said brake shaft, brake shoes pivotally carried by said blocks for movement from contacting engagement with opposite faces of the blocks to extended position for gripping engagement with the companion wheels, springs yieldably holding said shoes against the blocks, levers carried by the brake shaft in a direction and serving to rotate the brake shaft to apply the brakes, and means for swinging the levers in an opposite direction and effecting movement of the brakes to inoperative position including an operating member carried by the handle bar.

2,254,787
TRACTOR TIRE
Gabriel Aukland, Rantoul, Ill.
Application September 29, 1939, Serial No. 297,062
11 Claims. (Cl. 305—10)

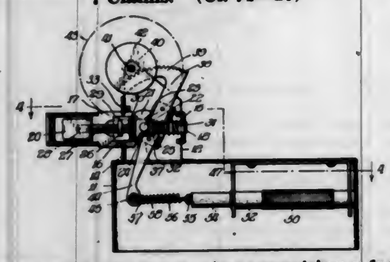


1. The combination in a tractive device for vehicles, of an endless tire carrying element, and a plurality of tires secured thereto for supplying resilient support for said vehicle, said tires being spaced for simultaneous engagement with the earth by more than one tire, each of said tires comprising a hollow casing having a tread approaching the rectangular in shape, supporting side walls and an inwardly extending peripheral bead defining an opening and adapted to seat against said element, an inflatable bladder within said casing, means for securing the bead to said element comprising a plurality of interfitting blocks shaped when assembled to fill said opening within the bead and having a peripheral flange extending laterally therefrom behind the bead and in spaced relation to said element, means for securing said blocks to said element to confine the bead between the flange and said element, and a rim secured to said element annularly of the bead and bearing against said side walls to confine the bead against lateral movement.

2,254,788
ACID RECOVERY PROCESS
Seaver A. Ballard, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application January 8, 1940, Serial No. 312,944
6 Claims. (Cl. 23—172)

1. In a process for removing organic impurities from sulfuric acid which has been contacted with olefinic hydrocarbon, the step comprising intimately contacting an excess of hydrogen chloride with said acid at a temperature between the freezing point of said acid and about 50° C. for a period of time not exceeding about 20 minutes, under which conditions at least a part of said impurities is rendered insoluble in said acid, said insoluble impurities consisting of a fluid phase comprising essentially organic halides.

2,254,789
RADIO TUNING APPARATUS
Harold Z. Benton, Glencoe, and Lloyd P. Morris, Chicago, Ill., assignors to Crowe Name Plate & Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application November 13, 1939, Serial No. 304,204
7 Claims. (Cl. 74—10)

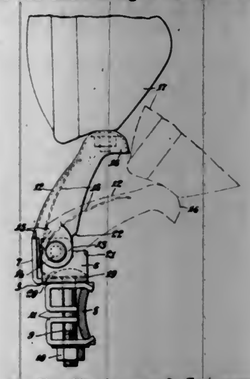


1. Radio tuning apparatus comprising a frame, a treadle bar rotatably supported in the frame, means associated with the treadle bar for selectively rotating it to a desired position, a rotary indicator dial, a gear connected to the dial, a rack meshing with the gear and connected to the treadle bar for rotation with said treadle bar, a tuning device, an arm rigidly connected to the treadle bar and a slack preventing link connected with said arm for operating the tuning device.

2,254,790
LAMP BRACKET
Harold Z. Benton, Glencoe, Ill., assignor to Crowe Name Plate & Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application July 30, 1940, Serial No. 348,361
4 Claims. (Cl. 248—226)

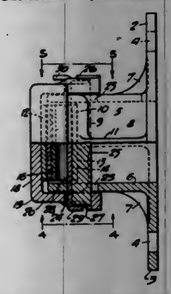
2. A lamp bracket of the character disclosed, comprising a base and a lamp carrying post, said base having upstanding sides and a front wall,

said post being of channel form and having sides overlapping the sides of said base and a front portion overstanding and engageable with the front wall of the base, means pivotally connecting said overlapping side portions of the post with said sides of the base, means at the upper end of said post for mounting a lamp thereon and a



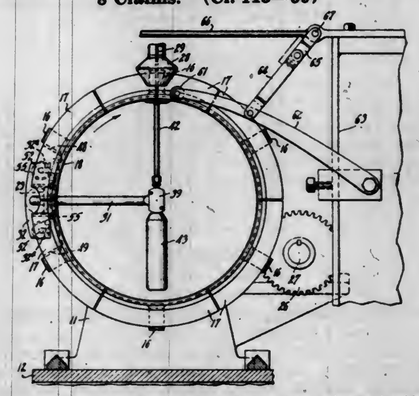
bowed longitudinally tapered flat spring having a base portion secured over the base between the sides and behind the front of the base and an upwardly projecting free portion within the channel of the post and slidingly engaging the back of said channel adjacent the upper end of the post.

2,254,791
SIDE BEARING
Emil H. Blattner, Rochester, N. Y., assignor to The Symington-Gould Corporation, Rochester, N. Y., a corporation of Maryland
Application December 6, 1938, Serial No. 244,251
10 Claims. (Cl. 308—138)



1. In a side bearing, in combination, a housing comprising a base having spaced end walls and spaced apertured side walls upstanding therefrom, said end walls having intermediate webs spaced from and substantially parallel to said base and terminating in upstanding flanges, a rib extending between said base and each web, wear plates on said webs, a group of pre-curved plates extending between and bearing upon said wear plates, a cap comprising a top plate spaced above said housing and superimposed upon said group of plates, a peripheral flange depending from said top plate spaced outwardly from the associated portion of said housing, means extending through apertures in said depending flange and side wall apertures, and integral means formed on said flange overlying the ends of said means for retaining it in operable position.

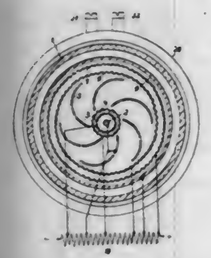
2,254,792
VESSEL WELDING METHOD AND APPARATUS
Archibald M. Brown, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application September 16, 1938, Serial No. 230,240
8 Claims. (Cl. 113—59)



1. In welding apparatus for uniting two abutted sections of a hollow, metallic vessel by a circumferential seam, one of the sections having an aperture therein, the combination of a hollow tube adapted to be inserted into the hollow, metallic vessel, a tubular member secured to the end of said hollow tube and having a semi-spheroidal ball formed on its end, a socket carried by said ball, a cover plate secured to said socket and forming an aperture therewith connecting to the bore of said tubular member, a spring positioned between said cover plate and said ball to maintain said ball and socket in tight fit, a tubular burner carried by said socket and connecting to the central aperture therein, and means secured to said socket to retain said tubular burner in a fixed, vertical position regardless of movement of said hollow tube.

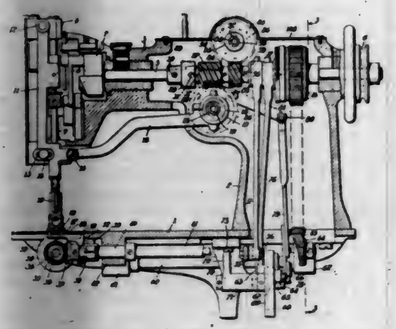
8. That method of uniting two abutted cup-shaped container sections, one of which has a hole through its side spaced from its edge, by a circumferential seam formed at the edges of the sections, including use of a burner mechanism, having a supporting arm pivotally associated therewith, which can be brought into substantially superimposed relation with the supporting arm and drawn through the hole in the container sections, said method comprising aligning the burner mechanism and supporting arm and inserting them into the abutted container sections through the hole in the side of one section, weight means for retaining the burner mechanism in a given vertical position regardless of the position of the supporting arm also being inserted into the container sections with the burner mechanism, positioning the container sections so that the burner mechanism is in the plane of the edges of the sections, rotating the sections, securing the sections together by stationarily positioned welding means to form a container, the weight means retaining the burner mechanism adjacent the welding means to enable a non-oxidizing gas to be played on the abutted container edges as they are secured together, tilting the container to bring the burner means and supporting arm into substantially superimposed relation, and withdrawing the superimposed burner means and supporting arm through the hole in the container.

2,254,793
GRID CONTROLLED TUBE WITH ELECTRON MULTIPLIER
Walther Burstyn, Berlin, Germany
Application October 30, 1939, Serial No. 302,022
In Germany November 4, 1938
3 Claims. (Cl. 250—174)



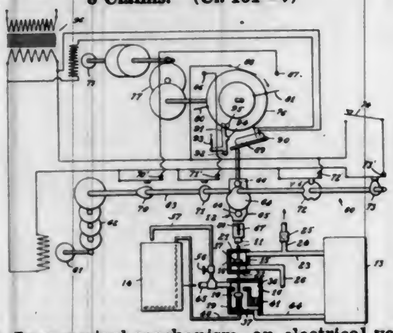
1. A grid-controlled amplifying tube comprising a linear incandescible cathode, a grid, a secondary emissive net and an anode, all said electrodes being co-axially mounted, a plurality of spirally curved shield plates mounted between said grid and said net for protecting said net against volatilized particles emitted by said cathode, and means for deflecting the electrons emitted by said cathode to pass between said shields.

2,254,794
FEEDING MECHANISM FOR SEWING MACHINES
Frederic M. Card, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Original application April 1, 1939, Serial No. 265,397. Divided and this application November 14, 1939, Serial No. 304,285
16 Claims. (Cl. 112—210)



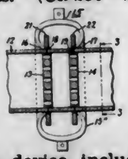
1. In a sewing machine, stitch-forming mechanism including a reciprocatory needle, a feed-dog, actuating mechanism for imparting operative work-advancing movements to said feed-dog, a rotary feed-controlling eccentric in addition to said actuating mechanism, means actuated by said eccentric and operatively connected to said actuating mechanism for controlling the effective action thereof, and means for rotating said eccentric continuously in one direction.

2,254,795
VALVE CONTROL MECHANISM
Lee G. Daniels, Rockford, Ill., assignor to Automatic Pump & Softener Corporation, Rockford, Ill., a corporation of Illinois
Original application November 20, 1933, Serial No. 698,829. Divided and this application August 18, 1937, Serial No. 159,736
8 Claims. (Cl. 161—7)



1. In a control mechanism, an electrical valve operator adapted to reciprocate a valve stem through a succession of steps to open and close different ports in a valve for controlling a water softener, electrical timing means adapted to make one revolution and stop, said timing means having connections for energizing said operator to initiate each of said steps subsequent to the first, means for starting the electrical valve operator, and means operated by said valve operator to close an electric circuit to start the electrical timing means, said electrical timing means having means for opening the electric circuit when said timing means has made one revolution.

2,254,796
ELECTRON DEVICE USING HOLLOW RESONATOR
Herbert Döring, Berlin-Friedenau, Germany, assignor to General Electric Company, a corporation of New York
Application November 25, 1940, Serial No. 367,130
In Germany October 16, 1939
2 Claims. (Cl. 250—27.5)



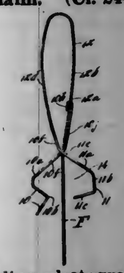
1. An electronic device including means for producing a beam of electrons, an elongated insulating envelope enclosing the beam-producing means, a pair of mutually spaced grid-like members within the envelope to be successively traversed by the beam, said members forming parts of a resonator to be excited by the beam, conductive elements projecting outwardly from the exterior surface of the envelope in the respective planes of the grid-like members and connected with said members through the wall of the envelope, and a hollow toroidal body outside the envelope and forming the remainder of the said resonator, said body having two mutually spaced, inwardly directed lip portions and consisting of disengageable parts maintaining the said lip portions respectively in conductive engagement with said outwardly projecting elements.

2,254,797
TRAILER COUPLING FOR BICYCLES
Alban A. Dubay, Lawrence, Mass.
Application March 25, 1941, Serial No. 385,050
4 Claims. (Cl. 280—204)



1. An improved coupling apparatus located between the rear axle of a bicycle and a trailer comprising in combination, a chassis attached to said trailer, an eye bolt member rotatably mounted in the front portion of said chassis, fork members pivoted to said eye bolt member, the free end of said fork members engaged over the ends of said bicycle rear axle, a tension spring located between said fork members and attached at each end to said fork members, a lock latch member, one end being pivoted in one of said fork members between the eyebolt end and the free end the other end of said latch being engaged with the other fork member, for the purpose of locking said fork members against premature removal from said axle member.

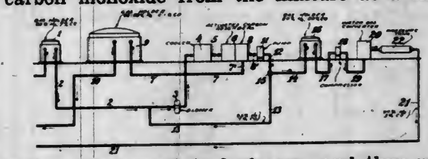
2,254,798
FILM HOLDING CLIP
Glen M. Dye, Minneapolis, Minn.
Application October 9, 1939, Serial No. 298,550
1 Claim. (Cl. 24—259)



A clip for holding photographic films comprising opposing jaws resiliently movable toward each other to clamp said film, one jaw having formed thereon spaced pointed teeth with openings of appreciable width therebetween, the other jaw having portions alined with the points of said teeth and having openings of appreciable width between said portions, said jaws having carrying portions thereabove, one of which has an opening extending laterally therein for the greater portion of its width and extending closely adjacent to the jaw carried by said portion, the other of which has a central opening therethrough alined with said last mentioned opening and extending adjacent to the jaw carried by said other portion, said jaws having an open space extending laterally thereabove for their entire width with which all of said openings communicate, whereby air may circulate horizontally and vertically about said jaws and carrying portions.

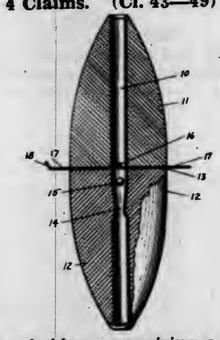
2,254,799
PROCESS FOR THE REMOVAL OF CARBON MONOXIDE FROM MIXTURES THEREOF WITH HYDROGEN
Konrad Erdmann, Radenthein, Germany, assignor to American Magnesium Metals Corporation, Pittsburgh, Pa.
Application April 22, 1939, Serial No. 269,365
In Germany May 7, 1938
4 Claims. (Cl. 183—4)

1. A process for removing carbon monoxide from a mixture thereof with hydrogen which comprises passing said mixture into contact with activated carbon at a temperature of the order of minus 50° C. and thereby selectively adsorbing carbon monoxide from the mixture at a high



ratio, with respect to hydrogen, and thus producing an effluent gas enriched in hydrogen, collecting said effluent gas, and discontinuing passage of said mixture prior to the time when the carbon monoxide content of the effluent gas increases suddenly.

2,254,800
CASTING BOBBER
Joseph D. Furdas, Youngstown, Ohio
Application August 24, 1940, Serial No. 353,995
4 Claims. (Cl. 43—49)

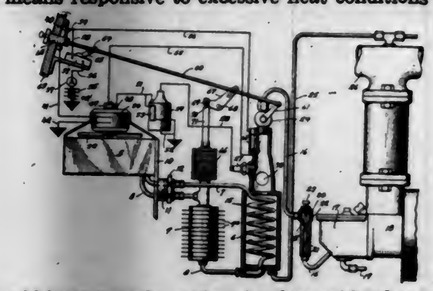


1. A casting bobber comprising a tubular body member, a pair of half section float members affixed thereto, a restricted throat formed in the said tubular body member, and a pair of rods positioned crossways through the said tubular body member so as to limit the movement of a ball positioned in the said tubular body member between the said rods and the said throat.

2,254,801
HEATING APPARATUS
Edward B. George, Chicago, Ill., assignor, by mesne assignments, to James H. K. McCollum, Evanston, Ill., and Henry J. De N. McCollum, Chicago, Ill., jointly
Application June 27, 1935, Serial No. 28,710
6 Claims. (Cl. 237—2)

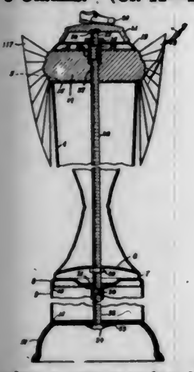
6. For use in conjunction with an automobile having an internal combustion engine including an intake manifold and a carburetor, a combustion chamber having an inlet and an outlet, means connecting the outlet of said combustion chamber to the intake manifold of the engine to withdraw products of combustion from said combustion chamber, means connected to the carburetor for supplying a combustible mixture of liquid fuel and air to said combustion chamber, a valve for controlling the flow of the combustible mixture into said combustion chamber, electrical means for igniting the fuel mixture in said combustion chamber, an energizing circuit for said igniting means, said circuit including a switch, a manually operable element for actuat-

ing said switch and operating said valve, heat transfer means for conveying heat from said gases of combustion to the air in the automobile, means responsive to excessive heat conditions in



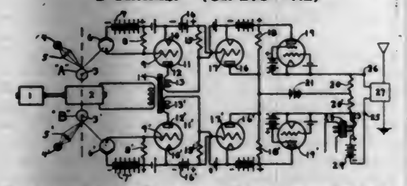
said heat transfer system to close said valve and open said switch, and thermostatic switch means responsive to excessively high temperatures in said combustion chamber to open said igniting means energizing circuit.

2,254,802
TROPHY CUP
Edward R. Gill, Los Angeles, Calif.
Application January 25, 1940, Serial No. 315,492
8 Claims. (Cl. 41—10)



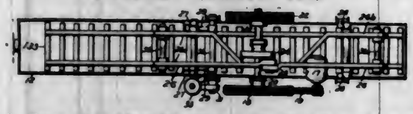
8. In a trophy, a cup member having an open top, an element across said open top having outstanding handle means, a cap seated on said element, a threaded bushing engaging the cap and depending therefrom, a bolt axially of the cup and engaging within the lower end of said bushing, an ornament on the cap, and a threaded member depending from the ornament and engaging within the upper end of the bushing.

2,254,803
DUPLEX FACSIMILE
Raymond R. Haugh, Chicago, Ill.
Application September 5, 1939, Serial No. 293,360
4 Claims. (Cl. 178—7.1)



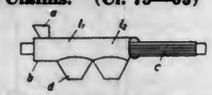
1. A method of transmitting two shaded pictures simultaneously adding a constant amplitude variable time duration keying impulse corresponding to the shading intensity of one picture to one half of the alternations of a synchronizing signal, adding a constant amplitude variable time duration keying impulse corresponding to the shading intensity of the other picture to the other half of the alternations of the said synchronizing signal, combining all said signals and impulses, and modulating a carrier.

2,254,804
CONVEYER FOR CLASSIFIERS
Alfred E. Johnson, Denver, Colo., assignor to Morse Bros. Machinery Company, Denver, Colo., a corporation of Colorado
Application May 18, 1939, Serial No. 274,415
3 Claims. (Cl. 198—224)



1. In a classifier having an inclined surface for divided solids and a rake, the improvement which comprises mechanism for operating said rake adjacent said surface inclusive of a sectional frame above the surface, oscillatory links carrying the sections of said frame, means for reciprocating the frame on said links, means connecting the sections of said frame with the rake, angularly movable arms supporting the links that carry one of said frame sections, a gear sector for moving said arms, a manually operable worm engaging the gear sector, an angularly movable yoke supporting the worm, and a relatively stationary stop positioned to limit the movement of said yoke.

2,254,805
PROCESS FOR THE SEPARATION OF METALS
Erich Junker, Berlin-Charlottenburg, and Willibald Leitgebel, Berlin-Wilmersdorf, Germany
Application August 22, 1939, Serial No. 291,286
In Germany August 22, 1938
4 Claims. (Cl. 75—63)

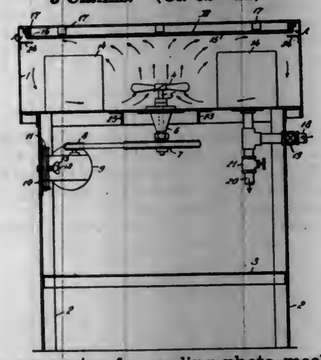


1. Process for separating components of metal mixtures comprising heating the mixture up to a temperature below the solidus point but within the temperature range of high brittleness of the lowest melting metal, subjecting the mixture to mechanical stress to reduce the lowest melting metal to powder and separating the powder from the remainder of the mixture.

2,254,806
PROCESS OF PRODUCING HYDROCARBONS FROM CARBON MONOXIDE AND HYDROGEN
Wilhelm Michael, Ludwigshafen-on-the-Rhine, Germany, assignor, by mesne assignments, to William E. Currie, New York, N. Y.
No Drawing. Application August 19, 1938, Serial No. 225,727. In Germany August 26, 1937
2 Claims. (Cl. 260—449)

1. A process for the conversion of carbon monoxide with hydrogen to produce hydrocarbons containing more than one carbon atom in the molecule which comprises operating in the presence, as catalyst, of sintered iron to which an alkali metal compound which in aqueous solution has a neutral or acid reaction, has been added.

2,254,807
COOLER
Frank T. Powers, Glen Cove, N. Y.
Application September 7, 1940, Serial No. 355,861
5 Claims. (Cl. 62—11)



1. An apparatus for cooling photo-mechanical printing plates comprising in combination a receptacle for a cooling liquid, a cooling liquid therein, a thin, flexible, liquid-impervious membrane in contact with the surface of the cooling liquid and adapted to receive and support, in intimate contact therewith, the plate to be cooled, a propeller within said receptacle, submerged in said liquid, and adapted to direct a rapid flow of said liquid against the mid-portion of the said membrane, and means for rotating said propeller.

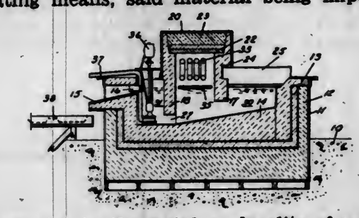
2,254,808
LAMP HOUSING
Dale James La Bounty, Peru, Ind.
Application September 1, 1939, Serial No. 293,123
4 Claims. (Cl. 240—41)



1. A lamp housing including a back having an opening therein, a terminal member secured in said opening, a conical head on the inner end of said terminal adapted to conformably receive the base portion of an electric lamp, a lamp supporting member including a lamp clamping portion and spaced resilient free end portions, and fixed members carried by the back and engaged by said free end portions for releasably anchoring the supporting member in position.

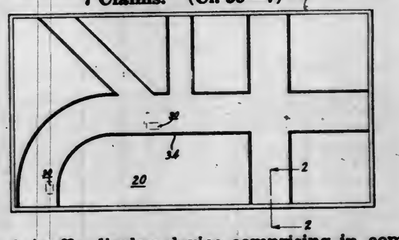
2,254,809
METAL MELTING FURNACE
Filip Tharaldsen, Oslo, Norway
Application December 13, 1937, Serial No. 179,557
In Norway December 21, 1936
2 Claims. (Cl. 91—12.5)

1. Galvanizing apparatus comprising a refractory lined pot for the support and confinement of a quantity of molten metal, means to heat said metal by radiation, a plate of high heat conductive material floating on the surface of said material and separating said metal from said heating means, said material being impervious



to reaction by the metal, a plurality of compartments in said pot, means to direct the flow of impurities in the metal from one compartment to the other, one of said compartments constituting a vat for the reception of material to be galvanized, and means to tap off the impure metal from the other of said compartments.

2,254,810
DISPLAY DEVICE
Ambrose R. Will, Dayton, Ohio
Application December 27, 1939, Serial No. 311,162
7 Claims. (Cl. 35—7)

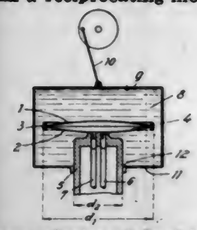


1. A traffic display device comprising in combination; a magnetic sheet-like support comprising: a plurality of relatively narrow elongate bars of iron or the like held in spaced proximity adjacent their elongate edges; an electrical winding disposed around an elongated portion of each bar and adapted when energized to cause adjacent bars to be of opposite magnetic polarity; and indicating devices made from magnetic material and adapted to be magnetically associated with the support whereby said devices may be placed and held in various indicating positions on the support regardless of the position of the support.

2,254,811
HYDRAULIC DRIVE FOR PUMPS OR COMPRESSORS
Wilhelm Wirth, Berlin-Siemensstadt, Germany, assignor to Patentverwertungs-Gesellschaft mit beschränkter Haftung "Hermes," Berlin, Germany, a corporation of Germany
Application August 9, 1939, Serial No. 289,169
In Germany June 3, 1938
4 Claims. (Cl. 230—49)

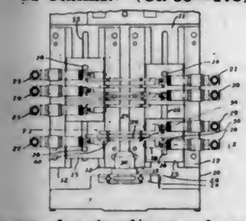
1. In a compressor type pump, two flexible walls secured together to form an expansible and contractible working chamber between them, inlet and outlet pipes communicating with said chamber, a tank surrounding said chamber, said tank having rigidly connected spaced walls which are parallel to the plane of said working chamber, a liquid filling said tank, said liquid being in direct contact with said walls, and means for

giving said tank a reciprocating motion to create



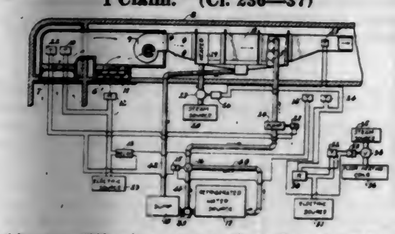
liquid pressures against said flexible walls which contract and expand said chamber.

2,254,812
GAUGING APPARATUS
Willis Fay Aller, Dayton, Ohio, assignor to The Sheffield Corporation, a corporation of Ohio
Application November 29, 1940, Serial No. 367,867
11 Claims. (Cl. 33—178)



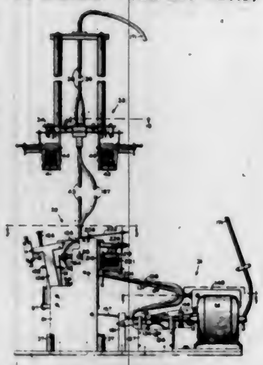
1. In a gauge for simultaneously gauging a plurality of portions of the same work piece, a series of work contacting elements, an operated member movable by each of said elements, a pair of switches for each operated member each adapted for alternate operation as the operated member moves to one side or the other from its normal position, means for holding the various elements, members and switches in operative relationship, signaling means for each pair of switches, circuits for said switches for operating the signaling means to show whether the respective gauged portions are undersize, oversize or of a desired size, and an indicating device common to all of said signaling means and having multiple circuit connections controlled by the circuits of all said signaling means to indicate whether or not all the gauged portions conform to a predetermined size.

2,254,813
AIR CONDITIONING SYSTEM
Samuel M. Anderson, Sharon, Mass., assignor to B. F. Sturtevant Company, Hyde Park, Boston, Mass.
Original application December 23, 1937, Serial No. 181,364. Divided and this application May 3, 1939, Serial No. 271,612
1 Claim. (Cl. 236—37)



Air conditioning apparatus for a passenger vehicle comprising an overhead air heater, air distributing means for supplying air from said heater into the passenger space, means including a first thermostat exposed to the air in said distributing means for adjusting the effectiveness of said heater, means including a floor heater, a second thermostat for controlling the effectiveness of said floor heater, and means including a third thermostat in said space connected to said first and second thermostats for increasing the effectiveness of said heaters when the temperature in said space falls below a predetermined level.

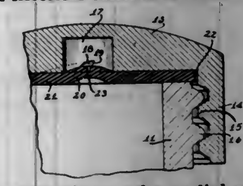
2,254,814
TELEGRAPH SIGNAL STORAGE APPARATUS
Herbert Angel, Brooklyn, and James W. Robinson, Far Rockaway, N. Y., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application December 9, 1939, Serial No. 308,326
30 Claims. (Cl. 178—17.5)



1. In a signal storage telegraph machine, a plurality of two different types of mechanical elements, a plurality of conveying and storage means for said mechanical elements adapted to confine and store said elements in the order in which selected, means for removing a mechanical element from each of said conveying and storage means on each cycle of operation of said telegraph machine, a detecting means, means controlled by said detecting means for preventing further cycles of operation of said removing means on the failure thereof to remove a mechanical element from each of said conveying and storage means and means for indicating from which one or ones of said conveying and storage means said removing means failed to remove a mechanical element on a cycle operation thereof.

2,254,815
VENTING CLOSURE
Herbert A. Barnby and Jack M. Wheaton, Toledo, Ohio
Application December 4, 1939, Serial No. 307,372
5 Claims. (Cl. 215—56)

1. In combination, a container having a circular neck defining a filling and discharging opening and provided with external screw threads and an annular sealing surface at its outer end, a closure including a circular top and a depending attaching flange, internal screw threads on the attaching flange for holding engagement with the threads on the container, a resilient sealing gasket interposed between the top of the closure and the sealing surface of the container and having a normally closed venting opening disposed centrally thereof, there being a space between the margin of the sealing gasket and inner wall of the attaching flange, said top of the closure having an internal central recess in register with



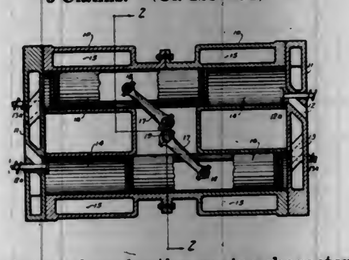
the venting opening, and a radial channel opening at one end into said recess and extending to the inner wall of the attaching flange, the bottom of said channel and a longitudinal side wall thereof being relatively positioned to form an acute angle.

2,254,816
HAIR CURLER
Marco Bergmann, New York, N. Y.
Application October 11, 1940, Serial No. 360,730
2 Claims. (Cl. 132—33)



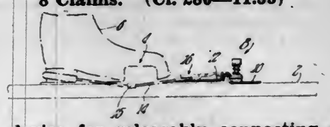
1. A hair curler comprising a rolled cylindrical body formed from a sheet of pliable material two opposed edges of which are in overlapping relation, the outer of said overlapping edges being provided with a longitudinal row of teeth which extend transversely of the body in a direction which conforms substantially to the contour thereof in slightly spaced relation thereto, other opposed edges of said sheet forming the ends of said body being parallel to each other for the greater portion of the lengths thereof extending from points adjacent said teeth to the remote opposed edge, said parallel edges imparting uniform length to the rolled body throughout the major portion of its periphery.

2,254,817
INTERNAL COMBUSTION ENGINE
Sylvon B. Blenker, Chicago, Ill.
Application April 19, 1940, Serial No. 330,517
3 Claims. (Cl. 123—54)



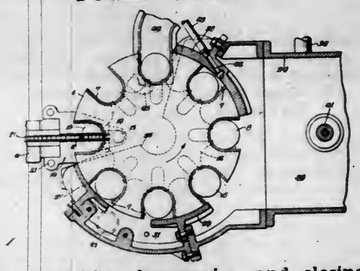
1. An internal combustion engine characterized by the incorporation of adjacently positioned double headed cylinders on different planes, a double headed piston slidably positioned in each of the said double headed cylinders, wrist pins positioned centrally in each of the said pistons, together with openings in the said pistons adapted to provide for the positioning therethrough of connecting rods, said connecting rods establishing connection with a crank shaft centrally positioned in relation to the said pistons and at right angles thereto so that reciprocating movement of the said pistons results in the rotation of the said crank shaft substantially as described.

2,254,818
SKI CONSTRUCTION
Stanley C. Brown, Springfield, Mass.
Application September 28, 1940, Serial No. 358,886
8 Claims. (Cl. 280—11.35)



1. A device for releasably connecting a foot holding member to a ski comprising in combination, a plate member for attachment to a ski having an upwardly extending cam portion and a spring supporting portion, a separate member having a cam portion and a slotted end portion forwardly thereof for receiving the spring supporting portion, and a spring on the supporting portion acting on the slotted end of said separate member.

2,254,819
MACHINE FOR GASSING AND CLOSING CAN BODIES
Allan M. Cameron, Chicago, Ill., assignor to Cameron Can Machinery Co., Chicago, Ill., a corporation of Illinois
Application April 26, 1939, Serial No. 270,099
1 Claim. (Cl. 226—68)



In a machine for gassing and closing can bodies, the combination of a rotatable turret provided with peripherally opening can body and cap receiving pockets extending vertically therethrough, a closed housing provided with an opening through which said turret extends, said turret having a sealing contact with the top and bottom walls of said housing, arcuate sealing walls removably attached to the housing and projecting from the sides of said opening into sealing engagement with the turret, a sealing wall removably attached to and projecting inwardly from a wall of the housing and spaced from the entrance side of said opening and having sealing contact with said turret to provide a vacuum chamber with which the turret pockets are successively brought into communication, a suction pipe communicating with the chamber for vacuumizing said chamber, a gassing chamber into communication with which said turret pockets are moved from said vacuum chamber, means for supplying an inert gas to said gassing chamber, can closing mechanism located in said

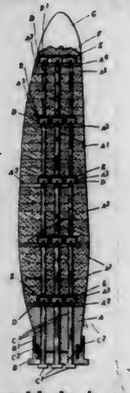
gassing chamber, and a suction passage with which each pocket is communicated after leaving the gassing chamber and through which gas remaining in such pockets is withdrawn.

2,254,820
BLIND
Lawrence Frederick Donner, Perivale, England
Application December 9, 1940, Serial No. 369,337
In Great Britain December 14, 1939
7 Claims. (Cl. 156—10)



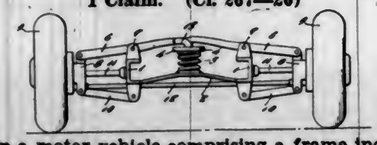
1. In a blind of the character described, the combination of two superposed pieces of pleated foldable material each having a plurality of parallel transverse strips arranged in a row extending from end to end of the blind with the pleats of one piece affixed to pleats of the other piece in spaced relation, one of which pieces is perforated to provide a longitudinal row of holes extending in the direction of length of the blind, a tie that extends freely through said holes in the perforated piece and is operatively connected to the two strips at opposite ends thereof, the other of which pieces constitutes a mask for masking said holes.

2,254,821
AIRSCREW BLADE CONSTRUCTION
Jakob Heinrich Haw, London, England
Application January 5, 1939, Serial No. 249,495
In Great Britain January 7, 1938
13 Claims. (Cl. 170—159)



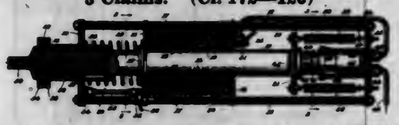
1. In an airscrew blade, in combination, a root portion for attachment to a boss or hub, a blade body transversely divided at intervals in its length, at least one tension member anchored to the hub and extending therefrom through the blade portions towards the blade tip, a plurality of anchoring devices carried by the tensioning member at the said intervals, and an intermediate thrust member of greater resilience than the blade portions and disposed between each anchoring device and the adjacent blade portion to which a thrust is transmitted radially inwards from the corresponding anchoring device through the associated resilient intermediate thrust member.

2,254,822
FRONT WHEEL SUSPENSION FOR MOTOR VEHICLES
Earl A. Johnson, Iron River, Mich.
Application June 18, 1940, Serial No. 341,205
1 Claim. (Cl. 267—20)



In a motor vehicle comprising a frame including a pair of spaced side members, a base extending between said side members, a coil spring mounted on said base, a platform mounted on said coil spring and having a plurality of sockets therein, levers mounted transversely on top of the side members, wheel carrying members pivotally mounted on the outer ends of said levers, links connected to the bottoms of the side members and to the wheel carrying members for maintaining the wheels in a substantially vertical position, one of the levers including a downturned inner end portion terminating in a ball engaged in one of the sockets in the platform, and a fork on the inner end of the other lever comprising downturned end portions terminating in balls engaged in the remaining sockets, said platform constituting means for yieldingly supporting the inner ends of the levers.

2,254,823
ELECTRIC HAMMER
Martin W. Kroll, Radersburg, Mont., assignor of one-half to M. Lloyd Parcells, Columbus, Mont., and twenty-five per cent to Frank H. Le Sage, Butte, Mont.
Application June 10, 1940, Serial No. 339,792
3 Claims. (Cl. 172—126)

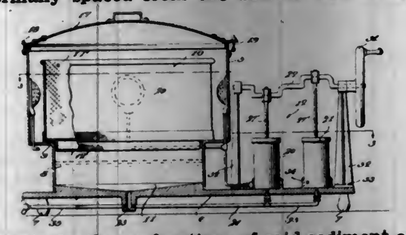


1. An electric hammer comprising, a frame, a solenoid mounted in the frame formed of a plurality of spirally wound insulated convolutions of heavy walled copper tubing permitting the circulation of water through the tubing to prevent over heating, a hammer movable through the solenoid under the influence of the magnetic field thereof, means for retracting the hammer, a water pump connected to copper tubing, a piston for the pump in the path of retrograde movement of the hammer, a spring for moving the piston to follow the hammer during advance movement of the hammer, retrograde movement of the hammer after each actuation moving the piston to circulate water through said tubing.

2,254,824
WASHING MACHINE
George P. Large, Munising, Mich.
Application January 4, 1939, Serial No. 249,298
3 Claims. (Cl. 141—9)

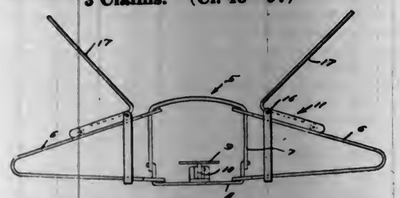
1. In a dishwashing machine having a base and

casing mounted thereon with a dish supporting receptacle located within said casing and the lower end of said casing forming a liquid reservoir, said receptacle having perforated side and bottom walls, a sediment collecting member removably attached to the bottom wall of said receptacle, said sediment collecting member having a bottom wall formed of perforated material and normally spaced from the bottom wall of said



receptacle, the perforations of said sediment collecting member being of a lesser diameter than the perforations of said receptacle, whereby minute particles of food will be collected therein while permitting passage of liquid therethrough, spray means mounted within said casing adapted to discharge liquid into said receptacle, and means for supplying liquid to the spray means from said reservoir.

2,254,825
TRAP SETTING TOOL
George C. Middleton, Deming, N. Mex.
Application January 15, 1941, Serial No. 374,572
3 Claims. (Cl. 43—97)



1. In a trap setting tool, a substantially U-shaped bracket to straddle a spring of a trap and including a connecting portion and parallel vertically arranged arms, an arm pivoted to the first-named arms and having a bifurcated portion, a roller journaled to said bifurcated portion to engage the spring, and means to permit a person to pivot said second-named arm for compressing the spring and to bring said second-named arm into substantially parallelism with the first-named arms to coact therewith in clamping the spring in a compressed position.

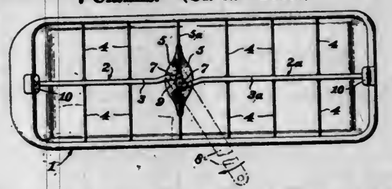
2,254,826
CAP REMOVER
Fred Mildner and John Slovak, Tarentum, Pa.
Application May 27, 1940, Serial No. 337,531
6 Claims. (Cl. 215—46)

6. A cap remover including a tongue terminating at one end in an enlarged portion adapted to be positioned within a bottle cap; and a base member integral with the other end of the tongue, said base being of substantially greater width than the tongue and including tab portions spaced laterally of the tongue the sides of the base member being rolled to define a substantially rigid lever arm and to position the tab portions above the tongue, the said tabs being arcuately bent in a direction away from the tongue to define fulcrum points, the tongue being bendable to bring the fulcrum points into engagement with



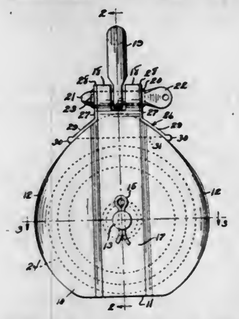
a bottle cap, and said fulcrum points and tongue portion being mutually cooperative in rolling up the edge of the cap to disengage the same from a bottle.

2,254,827
ICE TRAY
James H. Miner, Meridian, Miss.
Application January 18, 1939, Serial No. 251,619
7 Claims. (Cl. 62—108.5)



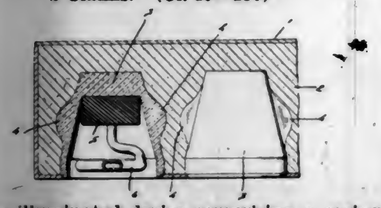
1. An ice tray organization for refrigerators comprising a tray, a yielding partition extending across the same and dividing the tray into two compartments, a grid section in each compartment bearing at its inner end on the yielding partition, and operating means for drawing the grid sections against said yielding partition for dislocating the ice, said partition serving as a watertight separator between said compartments.

2,254,828
PULLEY BLOCK
Fred S. Linn, Chehalis, Wash.
Application February 18, 1941, Serial No. 379,527
4 Claims. (Cl. 254—192)



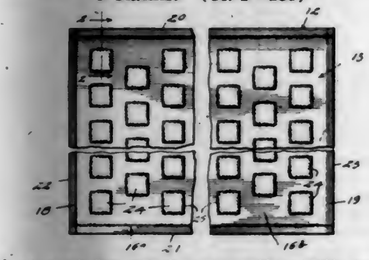
4. In a pulley block, a pair of complementary frame forming side members, a pair of pivot connections at opposed edge portions of the side members, an attaching element connected to the said pivot connections, and a member detachably connected with the said pivot connections having projections bridging the frame members so as to prevent displacement of line from the sheave.

2,254,829
ILLUMINATED HOUSE NUMBER
Carl Sheldon Nelson, Bellingham, Wash.
Application January 16, 1941, Serial No. 374,773
2 Claims. (Cl. 40—130)



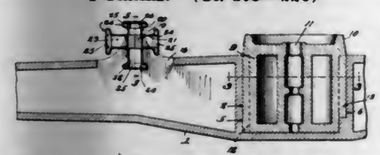
1. An illuminated device comprising a casing, receptacle forming members located in the casing and opening out through the front thereof, a filler in the casing holding the receptacle members in place and characters formed by neon tubes in the receptacles and visible through the front ends of the receptacles, said characters being removably held in the receptacles and means for connecting the characters to a source of electrical supply.

2,254,830
BATH TUB AND SHOWER MAT
Norman F. Schloss, New York, N. Y.
Application May 29, 1940, Serial No. 337,936
3 Claims. (Cl. 4—185)



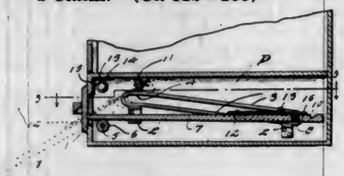
1. A mat for use in connection with tub and shower baths comprising a flat, closely ribbed, elastic, light weight, flexible, porous, anti-slipping, closely woven fabric body formed of warps and a composite weft including a continuous elastic core and a stretchable and contractible continuous casing snugly encompassing the core, said body being reinforced at its edges.

2,254,831
BOLSTER
Harvey H. Shaffer, Berwick, Pa.
Application February 29, 1940, Serial No. 321,580
4 Claims. (Cl. 105—226)



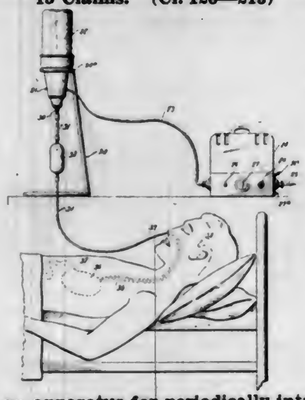
2. The combination with a bolster having a recess extending downwardly thereinto and parallel grooves in the wall of the recess disposed in like groups, the lower ends of the grooves of each group being located to form steps ascending progressively in one direction within the recess, of a king-pin-engaging core removably seated in the recess and having ribs thereon disposed in groups corresponding with and adapted to be seated in the grooves.

2,254,832
BOOKHOLDER FOR CABINETS
Wilmer H. Weight, Aliquippa, Pa.
Application February 23, 1940, Serial No. 320,481
1 Claim. (Cl. 312—188)



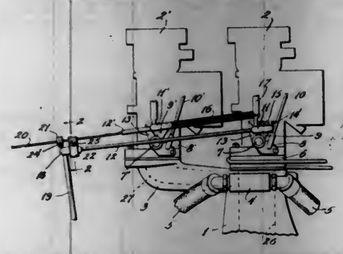
In a cabinet having a chamber therein and an opening in the front of the cabinet for the chamber, a book holder comprising a baseboard for receiving a book or the like thereon, means for detachably securing the book to the baseboard to be carried thereby, continuous bands secured within the chamber adjacent the sides thereof for disposal in parallelism with each other and arranged at an upward inclination toward the opening, said bands providing upper and lower trackways having looped ends and the forward end portions of the bands being disposed in a horizontal plane, a shaft extending transversely through the baseboard adjacent its rear end, rollers mounted on the extending ends of the shaft and riding on the trackways for movement of said baseboard through said opening for disposal into and out of use, a wall secured to the forward end of the baseboard for closing the opening, a handle secured to the wall, a supporting roller for the baseboard and mounted in the chamber adjacent the opening, said baseboard having a cross sectional triangular groove disposed transversely therein adjacent to its rear end, and a rearwardly inclined stop member fixed within the chamber and having its lower end disposed in the path of the baseboard and shaped to fit and be received in the groove for cooperation with the forward looped ends of the trackways for holding the baseboard at an inclination when in use.

2,254,833
METHOD AND APPARATUS FOR CONTROLLING INTERMITTENT FLUID FLOW
David M. Ashkenaz, Philadelphia, Pa., assignor to John Wyeth and Brother, Incorporated, Philadelphia, Pa., a corporation of Delaware
Application June 27, 1940, Serial No. 342,787
15 Claims. (Cl. 128—213)



1. In an apparatus for periodically introducing fluids into an animate body, the combination of reservoir, a means of bodily introduction, a flow control means therebetween, and means for controlling said flow control means, said last mentioned means including means for introducing periodic impulses of electrical potential to said first mentioned means.

2,254,834
DUAL CARBURETOR CONTROL
Owen Charles Betry, Glendale, Calif.
Application September 27, 1940, Serial No. 358,717
5 Claims. (Cl. 123—127)



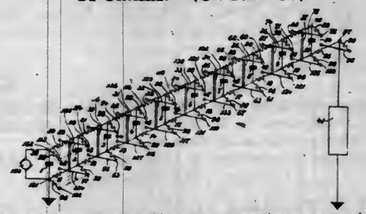
1. In a dual carburetor control, an intake conduit having spaced inlet ports, a carburetor secured to the conduit adjacent each port, a fuel control valve within each carburetor, a fuel control rod operably secured to a control valve in one carburetor and extending therefrom alongside the other carburetor to a point remote therefrom, a second control rod secured to the fuel valve of the other carburetor and extending close to and parallel to said other control rod, a lug extending laterally from each rod and positioned one within the path of movement of the other whereby movement of said other rod will cause the lug thereon to contact the other lug and cause movement of the control rod to which the other lug is secured.

2,254,835
BATTERY CONNECTION
Gordon A. Bjornson, Wahpeton, N. Dak.
Application September 12, 1940, Serial No. 356,527
11 Claims. (Cl. 173—259)



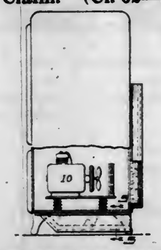
9. A battery terminal clamp comprising a body having a split collar to receive a battery terminal and extended on opposite sides of the split to form arms, each arm being provided with an open slot aligned with the slot in the other arm to receive a bolt extending transversely through the arms, and a bolt adapted to be arranged in said slots including a head and shank, and a nut threaded on said shank, said body having a projection extended parallel to the axis of the bolt and engaging said head, said projection and a portion of said head being constructed and arranged with respect to each other to prevent rotation of the bolt in one direction, said projection and another portion of said head forming a pair of cam elements engageable with each other to effect a camming action at least partially ejecting said bolt from said slots upon rotation of said bolt in the opposite direction.

2,254,836
IMPULSE VOLTAGE APPARATUS
Willem Hondius Boldingh, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application June 20, 1939, Serial No. 280,218
In Germany June 22, 1938
14 Claims. (Cl. 171—97)



14. An impulse voltage apparatus comprising a number of condensers which is a multiple of two, a plurality of resistances connecting said condensers in parallel, said condensers being arranged successively in four columns located at the corners of a rectangle, an inwardly-extending arm at each end of each condenser, a stationary contact on the end of each arm and connected to the corresponding terminal of the condenser, a movable switching member mounted on the top arm of the first condenser and on each arm of the remaining condensers, the switching members of each condenser cooperating with the stationary contacts of the preceding condenser of the parallel connection, and actuating means mechanically interconnecting the movable switching members of the condensers of each column.

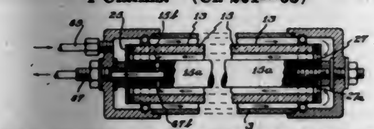
2,254,837
MECHANICAL REFRIGERATOR
Earl A. Burns, Detroit, Mich., assignor to Woodall Industries, Inc., Detroit, Mich., a corporation of Michigan
Application July 8, 1938, Serial No. 218,050
1 Claim. (Cl. 62—116)



A refrigerator having a mechanical compartment situated in its lower portion and provided with side walls, the bottom wall of said compartment having an air intake therethrough adjacent to the front of the refrigerator, an air duct communicating with said air intake and extending along underneath said bottom wall and communicating with the atmosphere adjacent to the rear of the refrigerator, said air duct having a wall formed of multi-ply material the outer ply of which is formed of relatively inert rigid sound damping fibrous material wherein the fibers are held together by an adhesive binder and the inner ply of which is formed of relatively porous sound absorbing fibrous material wherein the fibers are loosely integrated, the rear wall of said compartment having an air outlet opening adjacent to the bottom wall, an air duct communicating with

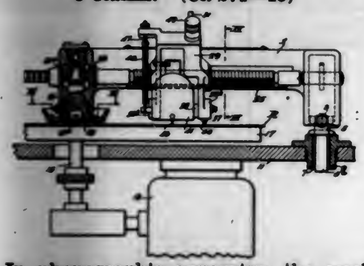
said outlet opening and extending up along the rear wall of the refrigerator and communicating with the atmosphere at a point spaced substantially above said air outlet, said air duct being formed of multi-ply material the outer ply of which is formed of relatively inert rigid sound damping fibrous material wherein the fibers are held together by an adhesive binder and the inner ply of which is formed of relatively porous sound absorbing loosely integrated fibrous material secured to and supported by the outer ply.

2,254,838
RESISTOR
James W. Conklin and Alfred Meneely, Audubon, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application September 8, 1938, Serial No. 228,916
4 Claims. (Cl. 201—63)



1. A device for dissipating electrical energy comprising a fluid tight vessel containing a hollow insulating member coated with a resistive material and mounted in spaced relation with respect to the inner surface of said vessel, and means for circulating a cooling fluid in contact with the inner surface of said vessel, the coated surface of said coated hollow member, and the interior surface of said coated hollow member.

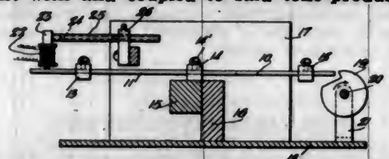
2,254,839
PHONOGRAPHIC APPARATUS
Edward C. Conrad, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application January 31, 1939, Serial No. 253,920
8 Claims. (Cl. 274—13)



1. In phonographic apparatus, the combination of a sound translating device, means for feeding said device across a record comprising a driving element and a driven element, means pivotally mounted on said driving element carrying said sound translating device, said driven element being pivotally carried by said last named means for movement into and out of engagement with said driving element, and means for latching said driven element at will out of engagement with said driving element.

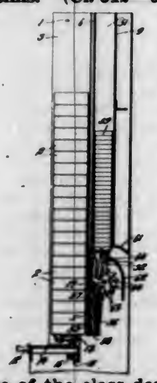
2,254,840
ELECTRIC MUSICAL INSTRUMENT
Galan W. Demuth, Moorestown, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 30, 1939, Serial No. 297,230
6 Claims. (Cl. 84—1.15)

1. Apparatus of the class described including a vibratable tone-producing member, an electric pickup in cooperative relation with said member, a second vibratable member in substantial alignment with and coupled to said tone-producing



member, massive means rigidly coupled to said members adjacent their junction point, and means for vibrating said second member transversely.

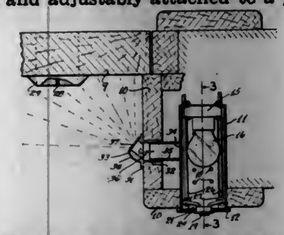
2,254,841
VENDING MACHINE
Christian Gabrielsen, Belleville, N. J., assignor to Rowe Manufacturing Co., Inc., New York, N. Y., a corporation of New York
Application May 5, 1939, Serial No. 271,844
4 Claims. (Cl. 312—67)



1. In a machine of the class described, and in combination, an alined series of main containers for stacks of articles, selectively operable delivery means for dispensing articles successively from the bottoms of stacks in said containers, an alined series of reserve containers, each adjacent the upper portion of one of said main containers, a movable partition between each of said reserve containers and the adjacent main container, a shifting mechanism for each reserve container for introducing a stack of articles therefrom into the adjacent main container, common actuating means for said shifting mechanisms, located below said series of reserve containers and operable by said delivery means at each operation thereof, means associated with each reserve container for connecting its shifting mechanism with said actuating means, comprising a control member adapted to extend into the adjacent main compartment at a level below the end of said partition and withheld by an article present in said main compartment at its level.

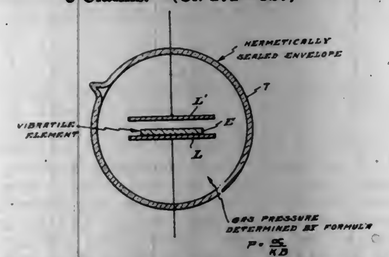
2,254,842
ILLUMINATING ATTACHMENT FOR THE ENTRANCES OF BUILDINGS
William Ashley Gray, St. Louis, Mo.
Application June 8, 1940, Serial No. 339,413
10 Claims. (Cl. 240—2.13)

1. In an illuminating attachment for the entrance of a building having an entrance door, a lamp housing associated with said door, a lamp within said housing, and means for projecting light from said lamp to said door, said means including a projector separated from said lamp housing and adjustably attached to a portion of



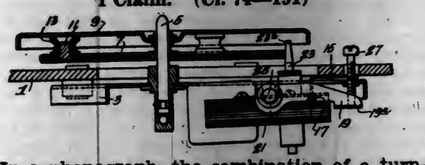
the building, and a duct through which light is transmitted from the interior of said housing to said projector, the said projector being rotatably mounted in said portion of the building and provided with an inclined light outlet at an angle to the axis of rotation.

2,254,843
ART OF MOUNTING VIBRATILE BODIES
Igor E. Grosdoff, Upper Darby, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application June 29, 1940, Serial No. 343,134
3 Claims. (Cl. 171—327)



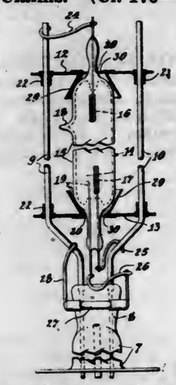
2. In combination, a vibratile element and a hermetically sealed envelope in which said element is mounted, the pressure of the ambient in said envelope being so related to the natural temperature coefficient of frequency of said vibratile element that it exhibits an overall temperature coefficient of a desired value.

2,254,844
PHONOGRAPH
Emile C. Guedon, Audubon, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 29, 1939, Serial No. 287,292
1 Claim. (Cl. 74—191)



In a phonograph, the combination of a turntable, a friction wheel connected to and rotatable with said turntable, a motor frame, means pivotally mounting said motor frame for pivotal movement relative to said friction wheel, a motor pivotally carried by said frame and having a driving shaft provided with a conical driving surface, said motor shaft being disposed between the pivotal mounting of said frame and the pivotal mounting of said motor on said frame and the center of gravity of said motor being located on the same side of both of said pivotal mountings whereby said motor constantly tends to swing about both said mountings in a direction to effect engagement between said conical driving surface and said friction wheel, and adjustable means associated with said frame for adjusting said frame about said first named means whereby to vary the point of engagement of said conical surface with said friction wheel to thereby alter the speed imparted to said turntable by said motor.

2,254,845
MOUNT FOR QUARTZ LAMPS
Daniel S. Gustin, Bloomfield, and George A. Freeman, East Orange, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 15, 1939, Serial No. 284,576
4 Claims. (Cl. 176—122)

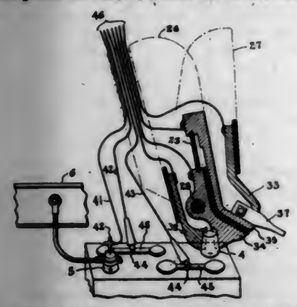


1. An electric discharge device comprising an enclosing envelope, a mount sealed to said envelopes provided with a reentrant stem having a press portion, a pair of leading-in conductors sealed to the press portion of said reentrant stem and extending an appreciable distance longitudinally of said envelope, a pair of spaced bridges supported by said leading-in conductors to increase the rigidity of said mount, a gaseous discharge lamp having elongated seal-forming portions suspended between said bridges with the seal-forming portions in engagement therewith and provided with electrodes therein between which a discharge occurs upon the application of a potential thereto, and a metallic reflecting shield surrounding the ends of said discharge lamp and through which the elongated seal-forming portions extend to prevent condensation of the vaporized medium in the vicinity of said electrodes during operation of said discharge lamp, said shield being spaced from said lamp to reduce thermal conductivity therebetween.

2,254,846
BATTERY TESTING APPARATUS
Benjamin F. W. Heyer, Tenafly, N. J.
Original application March 24, 1938, Serial No. 197,825. Divided and this application September 13, 1939, Serial No. 294,736
11 Claims. (Cl. 175—183)

1. In a battery testing unit, a clip therefor

adapted to be applied to a battery during the making of a plurality of tests, said clip comprising in combination a pair of spring pressed electrodes adapted to engage one of the posts of said



battery, and a pressure member cooperating with one of said electrodes for engagement with the cable clamp when removed from engagement with said post.

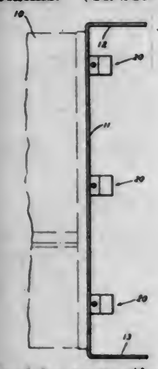
2,254,847

BACKBOARD FOR SUPPORTING ARTICLES

Leo G. Holt, Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application September 15, 1939, Serial No. 295,031

5 Claims. (Cl. 248—222)



3. A backboard for supporting an article at the juncture of two walls, the backboard comprising a body of sheet metal having opposite ends bent to form substantially triangularly shaped flanges with edges positioned to engage the walls and ears punched from the body adjacent the sides thereof, and means carried by the ears to secure the body to the walls.

2,254,848

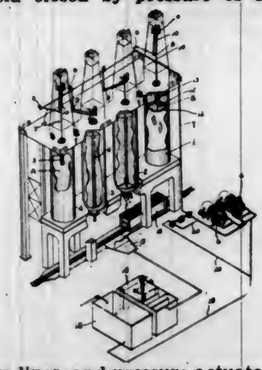
HYDRAULIC SYSTEM

Joseph E. Holveck, Crafton, Pa., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware

Application December 28, 1938, Serial No. 248,069

4 Claims. (Cl. 103—41)

1. In a hydraulic system, means for relieving a pump having a suction and discharge line of sudden shocks due to variation of load thereon including a by-pass between the suction and discharge lines of the pump and means controlling said by-pass, said means including a valve interposed in said by-pass, a second valve interposed in the discharge line of the pump, said valves being held closed by pressure of fluid in the



respective lines, and pressure actuated means for opening said valves.

2,254,849

PHOTOFLASH LAMP

Raymond Le Roy Kreidler, Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 27, 1938, Serial No. 227,074

4 Claims. (Cl. 67—31)



1. A photoflash lamp comprising a sealed envelope provided with a gas containing oxygen, an ignitor element in said envelope, and combustible material disposed in said envelope in close proximity to said ignitor element and combustible with the oxygen in said envelope when said ignitor element is supplied with electrical energy to produce a momentary intense light, said material having a reduced cross-section in the center thereof thinner than the edge portions, and said material being disposed in the envelope, and folded to position the greater portion of the thinned area thereof in closer proximity to the ignitor element than the thicker edge portions of said material.

2,254,850

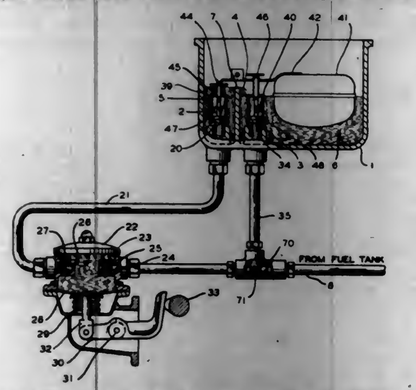
CARBURETOR

Marion Mallory, Detroit, Mich.

Application December 30, 1939, Serial No. 311,770

6 Claims. (Cl. 158—36.4)

1. In a carburetting and fuel system for internal combustion engines, a carburetor bowl having a receptacle with a fuel inlet and a second receptacle with a fuel outlet, valves for controlling said carburetor fuel inlet and outlet, a fuel pump having an inlet and an outlet, a source of fuel, a conduit connected from the outlet of the pump to the inlet of the carburetor for feeding more fuel into the carburetor than the engine uses, a second conduit connected from the inlet of the pump to the source of fuel supply, a third conduit connected from the outlet of the carburetor to the second conduit that connects the pump inlet and source of fuel supply, an unrestricted fuel bypass from the first named fuel receptacle to the second named fuel receptacle, positioned above the bottom of the first receptacle at the point where it is desired to maintain the level of the fuel in said receptacle, a float in the second named receptacle operatively connected to the intake and outlet valves whereby the outlet



valve will move towards open position to increase the outflow of fuel as the inlet valve moves toward closed position to restrict the inflow of fuel so as to permit the overflow of fuel from the first receptacle into the second receptacle to pass back into the second conduit connected to the fuel supply.

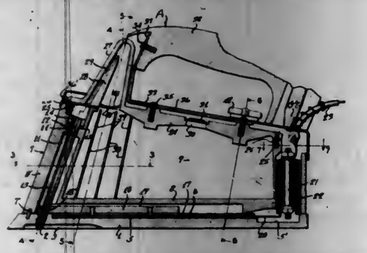
2,254,851

STEAM-DISCHARGING PRESSING IRON

Fred A. Miller, St. Johns, Mo., assignor to Roland M. Klemme, St. Louis, Mo.

Application August 17, 1939, Serial No. 290,541

6 Claims. (Cl. 38—77)



6. A pressing iron comprising a base having a pressing face, a body portion providing a reservoir adapted to receive a body of water, the upper portion of said body portion being open, said body portion being supported by said base and being secured thereto, heating means for heating the base of the iron and for heating said body portion so as to convert the water within the reservoir thereof into steam, a steam-discharge orifice formed in said base at a point adjacent to the forward end thereof, said body portion having a solid wall portion in which an elongated opening is formed which is in alinement with respect to said steam-discharge orifice, a tubular steam conductor disposed in said opening, said tubular steam conductor being of substantially less diameter than said elongated opening so that its outer face is spaced from the wall of said elongated opening and the lower end portion of said steam conductor being in screwthreaded engagement with said base at said steam discharge orifice, an inwardly extended flange disposed within said elongated opening, a nut mounted on said steam conductor at the upper end thereof for connecting said steam conductor to said flange, a cover plate for closing the upper portion of said body portion, a steam dome supported by said cover plate through which steam passes from said reservoir to said elongated opening and the steam conductor therein, and heat-conducting means for conducting heat from said heating means to said steam conductor so as to maintain same in such heated condition that steam passing therethrough is superheated.

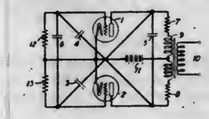
2,254,852

OSCILLATION GENERATOR

Ralph L. Miller, Verona, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application January 5, 1939, Serial No. 249,419

10 Claims. (Cl. 250—36)



7. A relaxation oscillator comprising two space discharge tubes having at least triode elements, crossed condensers from plates to grids of opposite tubes, a common connection for the cathodes of said tubes, a resistance between each grid and cathode, a resistance between each plate and cathode, and a capacity connected from each plate to cathode at least as large as the order of magnitude of the capacity of one of said crossed condensers.

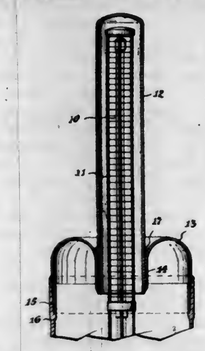
2,254,853

GLASS-TO-COPPER SEAL

Ilia Emmanuel Mouromtseff, Montclair, and George M. Dinnick, Bloomfield, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 1, 1939, Serial No. 307,034

14 Claims. (Cl. 250—27.5)



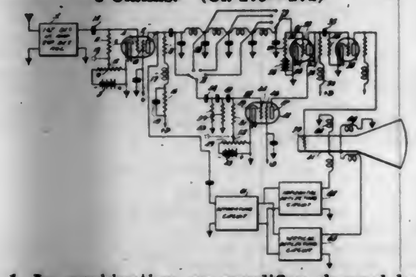
12. An exterior electrode for discharge devices, comprising a closed end copper tube, a re-entrant cup-shaped ring having its inner edge secured vacuum tight to the open end of said tube, the outer edge of said ring having a feather edge and a plurality of copper grains across the thickness of said feather edge.

2,254,854
ANESTHETIC ADMINISTERING DEVICE
Harold V. O'Connell, New York, N. Y.
Application May 16, 1941, Serial No. 393,730
5 Claims. (Cl. 128—205)



1. An anesthetic administering device comprising a face mask and a nose mask formed so that they may be releasably coupled together and used as a unit to cover both the nose and mouth of the person, or may be separated so that the nose mask may be used alone to merely cover the nose of the patient.

2,254,855
HIGH FREQUENCY AMPLIFIER
Waldemar J. Poch, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 6, 1939, Serial No. 277,615
3 Claims. (Cl. 179—171)



1. In combination, an amplifier channel having an output circuit and adapted to amplify signals comprising components covering a wide frequency range, said channel including amplitude correcting means for holding up the high frequency response, two amplifier channels each having an input circuit coupled to said output circuit, one of said channels including a delay network for delaying all of said frequency components in said one channel, means for causing only the higher frequency components of said signal to be amplified in the other of said channels, said higher frequency components being passed through said other channel substantially without delay, and means for adding the outputs of said channels, the delay which is introduced by said delay network being such as to compensate for delay introduced by said amplitude correcting means.

2,254,856
LAMINATED INSULATION MATERIAL
Meredith S. Randall, Detroit, Mich., assignor to Woodall Industries Incorporated, Detroit, Mich., a corporation of Michigan
Application December 6, 1937, Serial No. 178,251
3 Claims. (Cl. 154—44)

1. A laminated insulation sheet comprising a layer of soft fluffy wadding formed of a plurality of superimposed plies of loosely integrated cellulose material, said plies being individually creased normal to the length of the sheet, said layer being compressed in the direction of its length without appreciable increase in its thickness or width and adapted to be extended in the direction of its length to several times its compressed length without appreciable reduction in its compressed width or thickness, a cover sheet secured to said wadding by stitching extending through the cover sheet and wadding at spaced apart



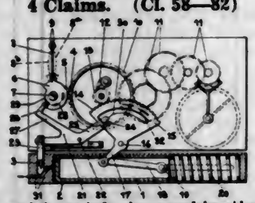
points lengthwise thereof, said cover sheet being collapsed upon itself, when the wadding is compressed, in a succession of fanfolds projecting outwardly away from the layer of wadding and being adapted to elongate simultaneously with the extension of the wadding layer, said cover sheet having a length when extended less than the maximum extensible length of the wadding and adapted to limit the extension of the wadding to that of the cover sheet.

2,254,857
ELECTRODE SUPPORT
Edmund A. Reuter, East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 31, 1939, Serial No. 276,595
3 Claims. (Cl. 176—126)



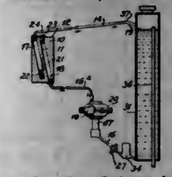
2. A metallic support for an electrode comprising a sheet portion, depending portions from said sheet portion, said depending portions having free ends, said free ends outwardly extending and reversely curved, said support being of metal that hardens on slow cooling.

2,254,858
CLOCKWORK APPARATUS AND NEW PORTABLE GAS OR VAPOR WATCH
Jean Léon Reutter, Paris, France, assignor to Societe Anonyme: Etablissements Ed. Jaeger, Levallois-Perret, Seine, France
Application October 29, 1937, Serial No. 171,660
In France April 6, 1937
4 Claims. (Cl. 58—82)



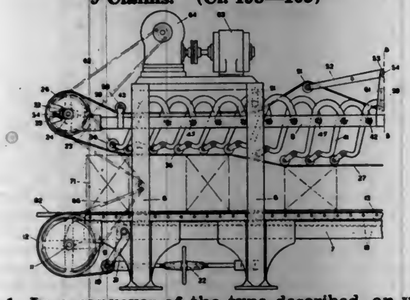
4. In a wrist-watch, in combination: a spring actuated clockwork mechanism, a bracelet having hollow links adapted to contain a generating liquid producing a vapor under pressure, a cylinder, a valve for controlling the delivery of the vapor to the cylinder, link, lever and rack mechanism connected to said clockwork mechanism, a piston movable in the said cylinder and connected to said link, lever and rack mechanism so as to be thereby adapted to tension the actuating spring of the clockwork mechanism when pushed by the expansion of the vapor, and means interposed between the piston and the said valve for controlling the same.

2,254,859
INDICATOR FOR THE COOLING LIQUID OF INTERNAL COMBUSTION ENGINES
Elmer J. Richley, Cleveland, Ohio
Application May 21, 1938, Serial No. 209,254
2 Claims. (Cl. 73—51)



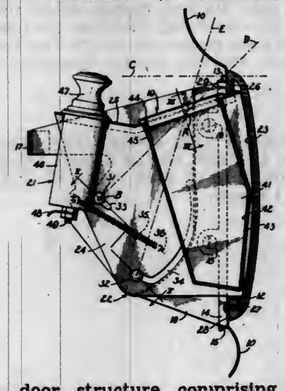
2. In an apparatus for determining an attribute of the liquid contained in the cooling system of an internal combustion engine wherein the liquid is circulated through the water jacket and radiator associated with said engine by means of a circulating pump, a capillarimeter for gauging the liquid, said capillarimeter having a reservoir for trapping a predetermined quantity of said liquid, a conduit from the said capillarimeter to said system, a trap connected to the capillarimeter and to the circulating pump of said engine by conduits, valve means in the trap and so constructed and arranged to permit normal circulation of a part of said liquid therethrough when said engine is operated at driving speed and to prevent circulation when said engine is stopped or idling, means forming an expansible chamber in said trap and actuated upon closure of said valve, the combined capacity of said chamber and the conduit connecting the capillarimeter and said trap being of such size as to receive and contain the excess of liquid in said apparatus when said valve is closed.

2,254,860
CONVEYER
Alfred German Rose, Gainsborough, England, assignor to Rose Brothers (Gainsborough) Limited, Gainsborough, England, a British company
Application May 14, 1940, Serial No. 335,052
In Great Britain April 18, 1939
9 Claims. (Cl. 198—165)



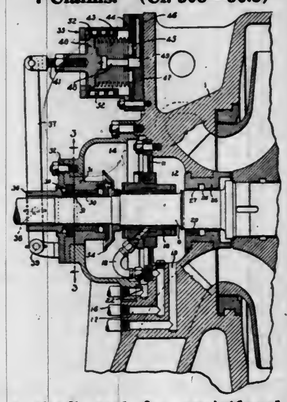
1. In a conveyer of the type described, an upper conveyer member comprising an endless belt supported at one end on a belt driving roller and at the other end on a supporting roller, a plurality of pressure rollers arranged to bear against the inner face of the lower lap of the belt, and a plurality of arms pivotally mounted about axes parallel to the axis of the belt driving roller and each arranged to support a pressure roller, said arms being so arranged that alternate rollers are supported by their respective arms at opposite ends.

2,254,861
ASH RECEPTACLE AND MOUNTING
John Visser, Grand Rapids, Mich., assignor, by mesne assignments, to Reconstruction Finance Corporation, Detroit, Mich., a corporation of the United States
Application July 1, 1939, Serial No. 282,434
8 Claims. (Cl. 131—234)



1. A door structure comprising supporting means adapted to be fixed to a wall member in back of an opening therein, a closure for said opening and adapted to overlap said wall member at one side and in front of said opening, and mechanism interconnecting said supporting means and said closure for guiding said closure in a preliminary backward swinging movement about an axis near said side of said opening and for thereafter guiding said closure in a main swinging movement about an axis spaced a substantial distance behind said closure.

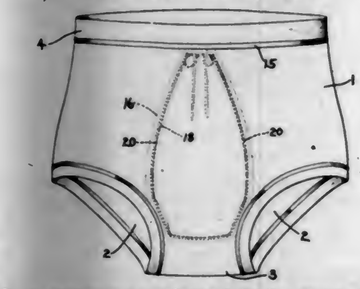
2,254,862
SHAFT SEAL FOR CENTRIFUGAL MACHINES
Ralph M. Watson, Bloomfield, William H. Church, Jersey City, and Max Haeberlein, Maplewood, N. J., assignors to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware
Application April 16, 1940, Serial No. 329,890
7 Claims. (Cl. 308—36.3)



7. In a shaft seal for centrifugal machines

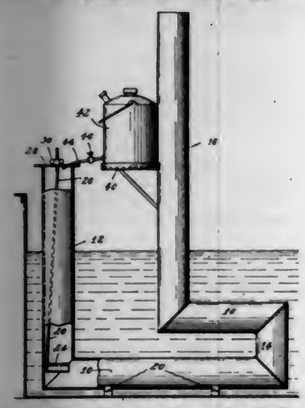
embodying a casing having a shaft opening therein and a shaft extending through said opening, means for sealing said opening about said shaft including a tight fitting bearing for said shaft, means for delivering lubricant to the interior of said bearing, a chamber in the casing exteriorly of said bearing into which lubricant flows from the bearing, a soft flexible sealing collar about said shaft exteriorly of said chamber, means normally urging said collar out of sealing engagement with said shaft, means for forcing said collar into sealing engagement with said shaft, said forcing means acted upon by pressure of the circulated lubricant for operating the collar urging means to relieve the collar of forcing action thereon during operation of the machine.

2,254,863
SUSPENSORY FOR UNDERGARMENTS
Gustav J. Weihe, Grand Rapids, Mich.
Application April 22, 1940, Serial No. 330,832
4 Claims. (Cl. 128—159)



2. A suspensory adapted to be secured to the body portion of an undergarment comprising, an insert having two upper spaced apart edge portions, other edges extending downwardly and inwardly from the inner ends of said upper edge portions, and means to secure said other edge portions together to form a bag-like structure.

2,254,864
FUEL BURNING HEATER
Guy L. Welstead, Dixon, Ill.
Application October 13, 1939, Serial No. 299,257
2 Claims. (Cl. 126—360)

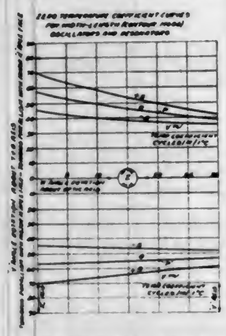


1. In combination, a down draft flue, opening at its bottom into another flue extending laterally out the side thereof, a flame cup in said down draft flue, adjustable suspension means for supporting it therein near the opening and for adjusting it up and down between a position alongside said side opening and a point thereabove, said cup being of such size and construction that when raised above said outlet opening it offers considerable obstruction to flow of gas down said flue, but when lowered it uncovers at least a part of said opening out the side of said down draft flue to reduce the obstruction, and means for maintaining a flame on top of said flame cup.

2,254,865
INK FOR GLASS
John C. Wilson, East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application October 31, 1939, Serial No. 302,117
6 Claims. (Cl. 106—20)

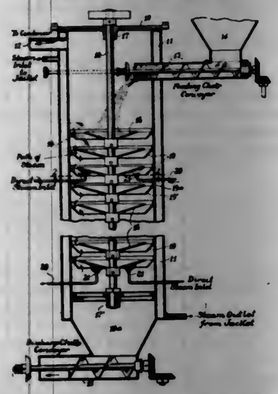
4. An ink comprising about 20.9% pigment by weight, about 4.2% mineral filler by weight, about 1.2% argentic oxide by weight, and about 73.7% glycerine by weight.

2,254,866
PIEZOELECTRIC CRYSTAL ELEMENT
Charles F. Baldwin, Schenectady, N. Y., and Samuel A. Bokovoy, Audubon, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application March 28, 1936, Serial No. 71,388
13 Claims. (Cl. 171—327)



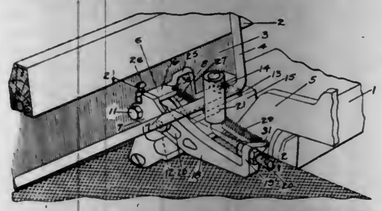
2. A quartz piezo-electric element cut from a mother crystal having a major apex surface, a minor apex surface, an optic (Z) axis, an electric (X) axis, a mechanical (Y) axis, a W-axis and a $Y+\theta$ axis, said W-axis lying in the X—Y plane and said $Y+\theta$ axis being normal to said W-axis, said element having its electrode faces so tilted about said $Y+\theta$ axis in a direction away from said optic (Z) axis and away from the plane of one of said apex surfaces, toward parallelism with the plane of the other of said apex faces, that it possesses a temperature coefficient of frequency within substantially ± 5 cycles per million per degree centigrade when vibrated at a fundamental contour-mode frequency, the direction and the angle of tilt of said element about the $Y+\theta$ axis necessary to achieve said temperature coefficient of frequency being such a function of the angle formed by the intersection of the W-axis and the electric (X) axis as indicated by the curves of Fig. 7.

2,254,867
PROCESS FOR CONTINUOUS TREATMENT OF EXHAUSTED SOLVENT-IMPREGNATED SOLID AGGLUTINATIVE ORGANIC MATERIAL
Michele Bonotto, Evansville, Ind., assignor to Extractol Process, Ltd., Wilmington, Del., a corporation of Delaware
Application October 11, 1937, Serial No. 168,446
4 Claims. (Cl. 202—8)



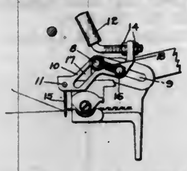
1. The process for the continuous treatment of exhausted solvent-impregnated solid agglutinative organic materials consisting in continuously feeding within a container a stream of such solvent-impregnated material, centrifugating the particles composing said stream, subjecting such material during such centrifugation to the solvent entraining action of a current of steam passed through said container, continuously discharging such material from the container, condensing the steam and entrained solvent, and separating the solvent from the condensed steam.

2,254,868
LOOM SELVAGE DEVICE
Carl D. Brown, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application November 5, 1940, Serial No. 364,441
8 Claims. (Cl. 139—195)



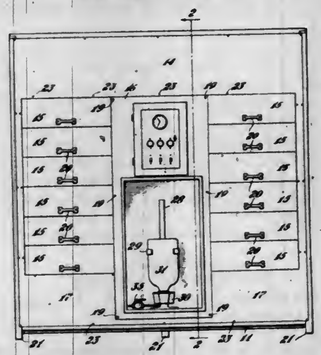
1. A loom selvage device comprising a housing having a longitudinal guideway therein, a pin extending transversely of said guideway, a member slidably mounted in said guideway and having an elongated portion bearing on said pin, a bifurcation adjacent one end of said elongated portion and forming a stop for said slidably mounted member, a needle mounted on the free end of said elongated portion, means for moving said member transversely of said pin and for swinging said member in a vertical plane about said pin as an axis.

2,254,869
SELVAGE DEVICE FOR LOOMS
Carl D. Brown, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application December 13, 1940, Serial No. 369,976
3 Claims. (Cl. 139—195)



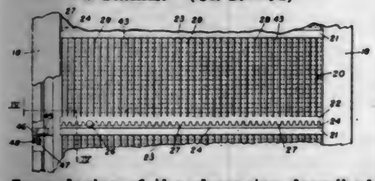
1. In a selvage device for a fly shuttle loom including a lay having a shuttle guard rail mounted thereon, the combination of a supporting member having a guideway therein, a movable member slidably mounted on said supporting member for movement longitudinally of the loom, said movable member having a needle adjustably mounted on its rear end and a projection intermediate its ends for engagement with said guideway, said guideway and said projection being so constructed and arranged as to guide said movable member through an arc in a vertical plane, an adjustable bunter mounted on the forward end of said movable member, said bunter being adapted to be engaged by said shuttle guard rail for moving said movable member in one direction and resilient means for moving said movable member in the opposite direction.

2,254,870
APPARATUS FOR MULLING LEATHER
Charles F. Eaton, Methuen, Mass., assignor of one-half to North American Holding Corporation, Syracuse, N. Y., a corporation of New York, and one-half to Parshad Holding Corporation, Syracuse, N. Y., a corporation of New York
Application September 7, 1939, Serial No. 293,666
4 Claims. (Cl. 12—1)



1. Leather mulling apparatus comprising a mulling chamber for receiving leather pieces and a removable unit fitting within said chamber, said removable unit comprising a source of water, a water humidifier connected with said source of water and adapted to discharge water vapor to the interior of said mulling chamber, and a heater communicating with said mulling chamber and adapted to maintain a predetermined temperature therein.

2,254,871
INFORMATION DEVICE
Andrew R. Johnson, Chicago, and Charles E. Watson, La Grange, Ill., assignors, by direct and mesne assignments, to The Informat Company, Chicago, Ill., a corporation of Illinois
Original application June 15, 1938, Serial No. 213,798. Divided and this application October 24, 1938, Serial No. 236,658
2 Claims. (Cl. 40—64)



1. In a device of the character described, the combination with a casing having an opening in a wall thereof, of a plurality of vertically disposed bars bridging said casing opening, there being vertical confronting grooves in said bars, superposed indicia members in said grooves between said bars to serve as an enclosure for said casing opening, indexing means on said casing for the spaces between said bars, and means cooperating with said indexing means and movable to a position of alignment with each vertical series of indicia members to control instrumentalities responding thereto.

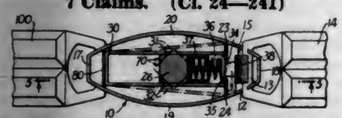
2,254,872
α - KETOACID DERIVATIVES OF 4,4' - DIAMINODIPHENYL SULPHONE AND PROCESS OF MAKING THEM
Morris S. Kharasch and Otto Reinmuth, Chicago, Ill., assignors to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana
No Drawing. Application May 22, 1940, Serial No. 336,578
10 Claims. (Cl. 260—397.7)

1. The new therapeutically effective substituted 4,4'-diaminodiphenyl sulphones, in which the two hydrogen atoms of at least one of the amino groups are replaced by the divalent radical



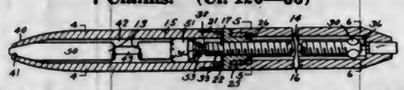
in which R represents a member of the class consisting of hydrogen and those alkyl, alkenyl, and aralkyl hydrocarbon radicals which contain not to exceed 8 carbon atoms; and X represents a member of the class of positive ions consisting of hydrogen, the alkali metals, the alkaline-earth metals, ammonium, and the lower-alkyl ammoniums.

2,254,873
FASTENING DEVICE
Eugen Prestinari, Summit, N. J., assignor to Gemex Company, Newark, N. J., a corporation of New Jersey
Application February 3, 1940, Serial No. 317,140
7 Claims. (Cl. 24—241)



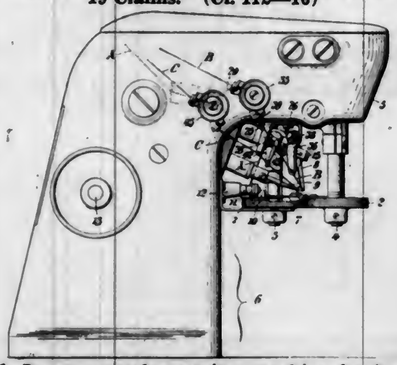
1. In an article of the nature described, in combination, a body member having an opening therein, wedge-shaped catch means projecting into said opening, the wedge-shaped surfaces of said catch facing the open and closed ends of said slot, a coupling adapted to be moved into and out of said opening, spring means resiliently pressing said wedge-shaped catch into said opening, whereby when said coupling is inserted into or removed from said opening it coacts with one or the other of the surfaces of said catch means permitting said coupling to pass said catch means in said opening, and secondary catch means for closing the open end of said opening.

2,254,874
ERASER
Rudolph George Roesch, Syracuse, N. Y., assignor to The Eraser Company, Inc., Syracuse, N. Y., a corporation of New York
Application August 3, 1940, Serial No. 350,766
7 Claims. (Cl. 120—36)



1. A propel-retract eraser holder comprising an eraser housing provided with an axial bore for housing an eraser, an intermediate ferrule portion, means for releasably joining said ferrule to said eraser housing, a propelling member screw-threaded in said ferrule and projecting axially a substantial distance each side of said ferrule, a cylindrical boss projecting axially from said ferrule, a rotatable collar mounted on said boss, means for retaining said collar on said boss, a propeller barrel permanently attached to said collar, and cooperating means carried by said barrel and said screw for turning said screw as said barrel is rotated.

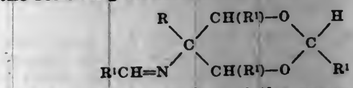
2,254,875
THREAD CONTROL MECHANISM FOR SEWING MACHINES
Charles F. Rubel, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application July 16, 1938, Serial No. 219,611
19 Claims. (Cl. 112—16)



1. In an overedge sewing machine having a pair of tangentially opposing wheels between which the superposed multiple edges of the work being seamed are advanced, a reciprocating thread-carrying needle adapted to penetrate the several thicknesses of the work at right angles subtsantially at the point of tangency of the wheels, and a four motion thread-carrying looper cooperating with the needle in forming the overedge seam; thread controlling mechanism including a fixed eye through which the needle thread passes enroute from a source of supply to the needle; and an orbitally moving needle thread controller operative in the interval between the fixed eye and the needle to maintain the needle thread under definite control throughout the stitch-forming cycle.

2,254,876
SUBSTITUTED-1,3-DIOXANES
Murray Senkus, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application July 18, 1940, Serial No. 346,146
8 Claims. (Cl. 260—338)

1. 5-Substituted-imino-1,3-dioxanes having the following structural formula:

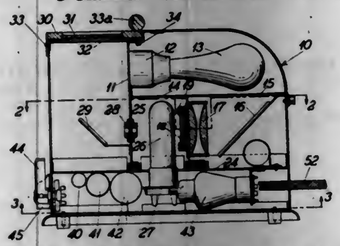


wherein R is a member of the group consisting of hydrogen, alkyl, and alpha-hydroxyalkyl and R^1 is a member of the group consisting of hydrogen, alkyl, aryl, and furyl.

2,254,877
METHOD OF PREPARING 2(P-NICOTINYLAMINOBENZENESULFONAMIDE) PYRIDINE
Elmer H. Stuart, Indianapolis, Ind., assignor to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana
No Drawing. Application April 12, 1940, Serial No. 329,342
1 Claim. (Cl. 260—295)

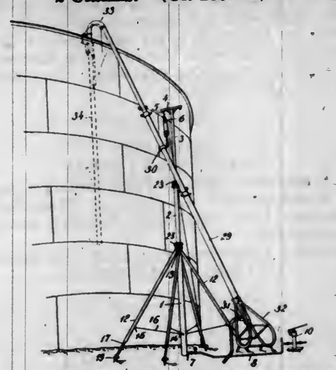
The process of producing a 2(p-nicotinylaminobenzenesulfonamido) pyridine which comprises treating nicotinyl chloride hydrochloride with aniline to form nicotinylaminobenzenehydrochloride, converting the nicotinylaminobenzenehydrochloride into nicotinylaminobenzenesulfate, subjecting the resulting product to the action of chlorosulfonic acid to form p-nicotinylaminobenzenesulfonylchloride sulfate, and treating the resulting p-nicotinylaminobenzenesulfonylchloride sulfate with alpha-aminopyridine.

2,254,878
PHOTOGRAPHIC PRINTER
Curtis W. Adams, Ann Arbor, Mich., assignor to International Industries, Inc., Ann Arbor, Mich., a corporation of Michigan
Application May 1, 1939, Serial No. 271,055
5 Claims. (Cl. 88—24)



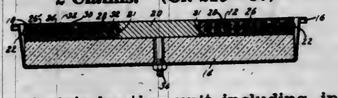
1. In an apparatus for printing from a photographic transparency onto a photosensitive sheet, a source of light and means for controlling said source of light in accordance with the sensitivity of said sheet and the density of said transparency, said means comprising electromagnetic means for cutting the light from said source off from said transparency, a vacuum tube having a grid for controlling the current passing through said electromagnetic means, a condenser circuit including a condenser, a double pole double throw switch for charging the condenser in said condenser circuit when said switch is in one position and for connecting the negative side of said condenser circuit to the grid of said tube when said switch is reversed, and photosensitive means in the path of light from said source and connected to said condenser circuit for discharging said condenser circuit in accordance with the amount of light falling on said photosensitive means.

2,254,879
HYDRAULIC FIRE FOAM LIFT
John S. Adams, East Providence, R. I., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application March 16, 1938, Serial No. 196,101
2 Claims. (Cl. 169—4)



2. In a method of fighting fires in a storage tank containing highly inflammable material such as oil by introducing foam into the tank through an elongated rigid, foam delivery tube of greater length than the height of the tank, the improvement in the method of placing the tube in operative position with its delivery end over the top edge of the tank which comprises erecting a vertically extensible shaft equipped with hoisting means at the upper end thereof, out of contact with the tank, vertically extending said shaft, attaching said hoisting means to said tube at a point between the delivery end and the center of gravity thereof, hoisting the delivery end of said tube into the air, and then swinging the delivery end of said tube into operative position by manually moving the base end of the tube.

2,254,880
HEATING UNIT
Alfons Barnsteiner and Edwin H. Lockwood, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 4, 1939, Serial No. 259,863
2 Claims. (Cl. 219—37)



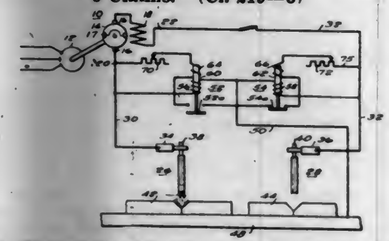
1. An electric heating unit including, in combination, an elongated substantially rectangular

sheathed heating element having an elongated bulged portion on one vertical side of the sheath and an elongated grooved portion on the opposite vertical side, said element being wound spirally in a contiguous manner with the two portions complementary on contiguous whorls and the confronting vertical sides in engagement to form a substantially flat surface, and means for retaining said spirally wound element in such predetermined configuration.

2,254,881
TEXTILE MATERIAL
Angus Smith Bell, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application October 1, 1938, Serial No. 232,795. In Great Britain October 14, 1937
15 Claims. (Cl. 57—140)

1. Process for the production of a composite yarn, which comprises doubling together by means of a doubling twist, a voluminous yarn and a basic yarn and applying an adhesive size removable by scouring to at least one of the component yarns prior to the doubling operation, so that after the doubling operation the component yarns are stuck together.

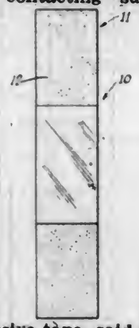
2,254,882
WELDING SYSTEM
John H. Blankenbuehler, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 29, 1940, Serial No. 321,491
9 Claims. (Cl. 219—8)



1. The combination with a source of welding current, of a plurality of welding circuits connected in series circuit relation to the source, and a plurality of electromagnetic control devices having voltage windings connected to the said welding circuits for effecting operation of the devices upon the deenergization of their associated welding circuits and current windings effective upon operation of the devices to maintain them in the operated position during the deenergization of their associated welding circuits to maintain substantially constant load conditions in any of the welding circuits which remain energized.

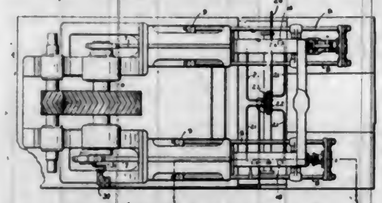
2,254,883
PROTECTIVE PAD
Cyril J. Boyle, Sioux Falls, S. Dak.
Application September 23, 1939, Serial No. 296,207
1 Claim. (Cl. 128—156)

A pad comprising a strip of adhesive tape, a thin sheet of non-absorbent material fixed to the adhesive surface of said strip and covering the full width of a portion thereof, a similar second sheet superimposed on the first sheet, and a like third sheet superimposed on the second sheet, said second and third sheets being free of said adhesive surface, each of said sheets being smooth on the contacting surfaces thereof,



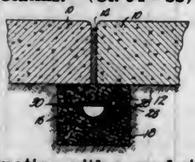
whereby said adhesive tape, said first mentioned and second sheets all will have sliding relative movement to said third sheet when the latter is held fixed.

2,254,884
PUMP UNLOADING MECHANISM
Nelson E. Brigham, Kearny, N. J., and Joseph E. Holveck, Crafton, Pa., assignors to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware
Application October 5, 1940, Serial No. 359,874
17 Claims. (Cl. 103—37)



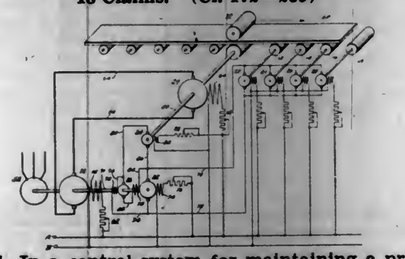
1. In a pump loading and unloading mechanism, in combination with a pump including a cylinder and a reciprocating plunger therein, of a valve for controlling the loading and unloading of the cylinder, a pressure actuated member for operating said valve, electrically operated means controlling delivery of pressure fluid to said pressure actuated member, a control member controlling energizing of said electrically operated means, and means connecting said control member to said plunger for synchronized operation therewith for timing the valve actuating operation of said pressure actuated member.

2,254,885
DRAINAGE FOR SLAB ROADWAYS
Firman L. Carswell, Johnson County, Kans., and Otto W. Schmidt, Kansas City, Mo.
Application October 3, 1938, Serial No. 232,938
5 Claims. (Cl. 94—33)



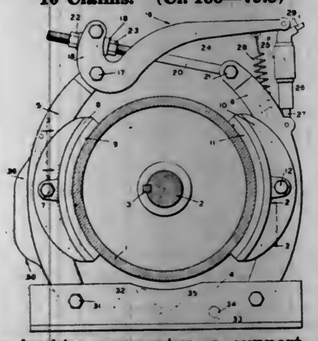
4. The combination with a road structure having a base and a series of spaced apart surface slabs with transversely disposed expansion joints between adjacent slabs, of an open top channel having upwardly diverging side walls and a cover strip positioned in said channel below the upper edges of said side walls with openings formed between said side walls and said cover strip whereby water passing through said expansion joint will pass downwardly between said side walls and be directed through said openings into said channel.

2,254,886
CONTROL SYSTEM
Willard G. Cook, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 25, 1939, Serial No. 269,907
18 Claims. (Cl. 172—239)



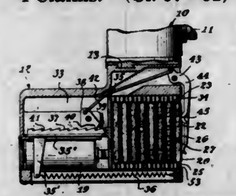
1. In a control system for maintaining a predetermined relation between the output potentials of two generators, a motor, means connecting the armature of said motor to be energized by one of the generators so that the speed of the motor will be proportional to the output potential of the one generator, means providing a first excitation potential for the other generator proportional to the speed of said motor, and means providing a second excitation potential for the other generator proportional to the difference between the first excitation potential and the output potential of the other generator.

2,254,887
BRAKE ADJUSTING MECHANISM
John C. Cox, Clayton, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application March 14, 1940, Serial No. 323,860
10 Claims. (Cl. 188—79.5)



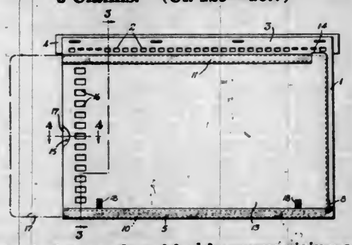
1. In braking apparatus, a support, a brake drum, a brake shoe pivotally mounted on the support for engagement with the drum, means for applying and releasing the brake shoe, and automatic adjusting means for the shoe to maintain the "off" position clearance thereof substantially constant, said means comprising an arm pivoted intermediate its ends to the support, means between one end of the arm and the support for limiting the pivotal movement of the arm in both directions, said limited pivotal movement determining the constant clearance, and a friction slip connection between the other end of the arm and the brake shoe for causing the arm to move with the shoe each time it is applied and permitting relative movement between the shoe and arm only when the brake shoe is applied and the arm is prevented from movement by its limiting means.

2,254,888
PHOTOFLASH LAMP
Michael J. Neumann de Margitta, New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 26, 1940, Serial No. 315,744
In Hungary September 5, 1939
4 Claims. (Cl. 67—31)



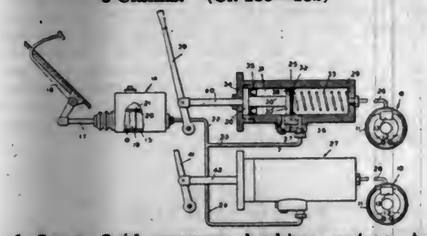
2. A casing, a plurality of flashlamps having flexible envelopes arranged one behind the other within said casing and adjacent an opening thereof, electrical connections on said casing for making contact to the first of said flashlamps, and means responsive to the expansion of the flexible envelope of the first flashlamp upon flashing to automatically eject it from the casing.

2,254,889
INDEX CARD AND HOLDER
Herman U. Doebler, New York, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y.
Application September 22, 1939, Serial No. 296,121
3 Claims. (Cl. 129—16.7)



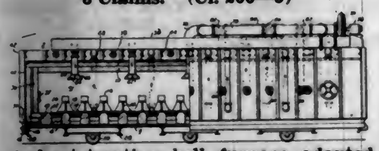
1. An index card and holder comprising a back supporting member of sheet material, a pair of spaced parallel guides mounted on said member, a front card having opposite margins engaged in said guides, means on said member and front card for retaining said card against sliding movement in said guides and in superimposed relation on said member to form a pocket therebetween, said front card being formed with a plurality of openings, and an index card slidable in said guides and in said pocket for the display of sections thereof through said openings.

2,254,890
BRAKING SYSTEM
Clarence V. Gardiner, Birmingham, Mich., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application February 1, 1940, Serial No. 316,703
3 Claims. (Cl. 188—152)



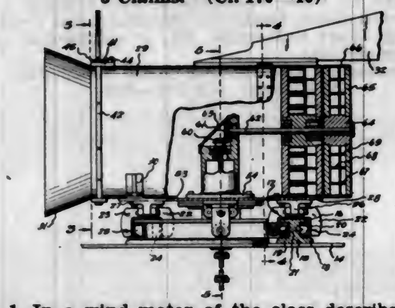
1. In a fluid pressure braking system, two braking assemblies each including an actuating fluid motor, a main fluid pressure producing device, conduit means connecting the main pressure producing device with each fluid motor, and an auxiliary pressure producing device associated with each braking assembly, each auxiliary device comprising a cylinder in communication with the fluid motor of the brake assembly with which it is associated, a piston reciprocable therein and having a normally inoperative position, means for actuating the piston, an inlet port for the cylinder at a point positioned just forward of the piston when it in its inoperative position, and conduit means for connecting the inlet port to the main pressure producing device, said port and last named conduit means permitting free flow of fluid to and from the cylinder and main pressure producing device when the piston is in inoperative position.

2,254,891
HEAT-TREATING FURNACE
James H. Germany, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 31, 1940, Serial No. 348,725
8 Claims. (Cl. 266—5)



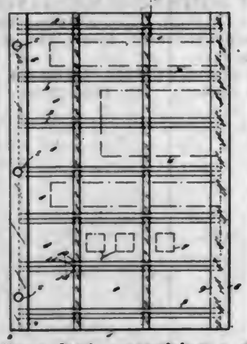
1. A heat-treating bell furnace adapted for various heat-treating processes involving heating or cooling a charge, or both, the charge being substantially surrounded by a recirculating gas; comprising a base including a charge-supporting hearth; a removable insulated heating bell for said base cooperating therewith to provide a heat-treating chamber; heating means for heating said heat-treating chamber, said heating means having surfaces for emitting heat and being of the type which does not introduce combustion gases into said chamber for heating, said heating means being supported by said bell; a blower secured to the outside of said bell; conduit means secured to the outside of said bell for providing gas-flow paths to and from said blower for recirculating gas from and to said heat-treating chamber with said gas passing in direct contact with said surfaces of said heating means, said conduit means including gas-conditioning means comprising a cooler, said conduit means including by-pass ducts for said cooler and valve means for causing the gas to flow through said cooler or said by-pass ducts, said conduit means being supported by said bell, and having gas-inlet and gas-outlet openings in said bell at said heat-treating chamber, whereby said bell with said conduit means may be raised from and lowered on said base as a unit.

2,254,892
WIND MOTOR
Benjamin Grundhalt, Detroit, Mich.
Application May 18, 1939, Serial No. 274,392
3 Claims. (Cl. 170—40)



1. In a wind motor of the class described: a wind receiving tube; a stationary deflecting member positioned transversely in said tube intermediate its ends and substantially filling the same and comprising, a plurality of concentrically arranged bands; radially extending means for connecting said bands together; and a plurality of tubular members positioned between said bands in circumferentially spaced relation for providing wind channels, said tubular members being extended axially of said tube for a portion of their length and thence inclined to the axis thereof.

2,254,893
ALBUM LEAF
Thomas Russell Hires, Plainfield, N. J.
Application November 30, 1940, Serial No. 367,868
2 Claims. (Cl. 129—20)



1. An album leaf, comprising a sheet having in vertical alignment and in spaced relationship sets of openings, each set having three vertically aligned openings, a front lace passing through a bottom and an intermediate opening of a set, and a rear lace passing through an intermediate and a top opening of a set, said laces having their free ends fixed to the sheet at the upper and lower portions thereof.

2,254,894
COMBINATION BLOCK GAUGE SET
John Olof Edvard Johansson, Balgviken, near Eskilstuna, Sweden, assignor to Aktiebolaget C. E. Johansson, Eskilstuna, Sweden, a company of Sweden
Application September 29, 1939, Serial No. 297,095
In Sweden October 8, 1938
6 Claims. (Cl. 33—168)



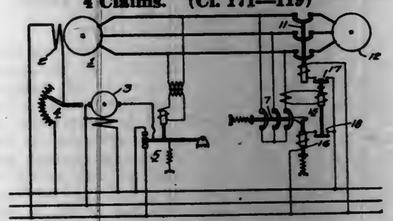
1. An end block for a combination block gauge set, said end block having opposed surfaces one of which is plane, and the other of which is shaped as a ridge having a linear top which is positioned in a plane which is parallel to the said opposed plane surface and is located at a predetermined distance therefrom, the said linear top of the ridge forming an acute angle to the longitudinal center line of the block.

2,254,895
METHOD FOR CURLING YARN
Andrew Langstaff Johnston, Jr., Plainfield, N. J.
Application August 15, 1938, Serial No. 224,868
11 Claims. (Cl. 57—156)



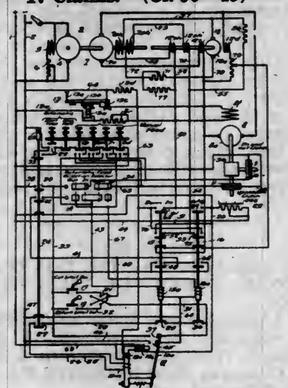
1. The method of curling yarn which comprises winding the yarn under tension on an incompressible mandrel, treating the yarn at high temperature to set the curl and unwinding the yarn for use.

2,254,896
METHOD AND MEANS FOR ADDING LARGE LOADS TO IDLING GENERATORS
Theodor Kaukewitsch, Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 7, 1940, Serial No. 322,782
In Germany March 15, 1938
4 Claims. (Cl. 171—119)



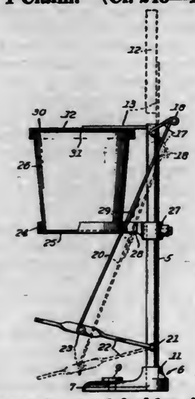
1. In a system of control, in combination, an alternator, a voltage regulator therefor, a reactive load, means for connecting said reactive load to the alternator, said reactive load operating at the knee of its saturation curve when the alternator is excited at a value substantially equal to the excitation required for normal voltage of the alternator at full load, switching means for connecting a normal full load to the alternator, switching means for disconnecting the reactive load from the alternator and means responsive to certain current characteristics of said alternator for effecting operation of said two switching means.

2,254,897
MOTOR CONTROL SYSTEM
George E. King, Wilkinsburg, Pa., and William F. Eames, Westfield, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 29, 1939, Serial No. 306,668
17 Claims. (Cl. 90—49)



1. In a system of control for controlling the distance of travel of a motor-operated machine element operating on a work piece, a Ward-Leonard system including a motor-generator set and a feed motor for driving the machine element, a coupling for mechanically connecting said machine element to said feed motor, switching means for starting and stopping said feed motor, a second coupling for mechanically connecting said machine element to said feed motor, and electrical control means including an electromagnetically operated relay having a variable time element for preselecting the distance of travel of said machine element.

2,254,898
GARBAGE RECEPTACLE STAND
Norman Joseph Laige, Detroit, Mich., assignor of four-fifths to Joseph J. Laige, Detroit, Mich.
Application May 17, 1939, Serial No. 274,221
1 Claim. (Cl. 248—147)



A cover operator and holder for garbage cans

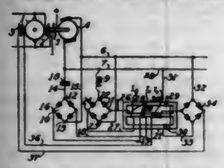
and the like, comprising a vertical supporting member, a garbage-can-container adjustably connected thereto; the supporting member being laterally formed near the top end with an opening, a bearing rod rotatably mounted therein; a garbage can cover, an arm adapted to connect with and operate said garbage can cover fixedly attached to one end of the said bearing rod; an actuating arm removably mounted on the other end of the said bearing rod and adapted to immovably connect therewith; the said actuating arm having in its opposite end formed a bearing for the reception of a journal, the said journal being a part of a link adapted to workably connect with a pedal; one end of the said pedal being workably mounted on a bearing rod fixedly positioned in the lower end of the said supporting member; a projection integrally formed on the side of the said garbage-can-retainer adapted to engage an adjustable member carried by the said link, the said member being adapted to connect with the said projection and retain the garbage can cover, when closed, in locked position.

2,254,899

SYSTEM FOR MAINTAINING CONSTANT ROTATIONAL SPEED OF ELECTRIC MACHINES

Wilhelm Laubenheimer, Halle-on-the-Saale, and Oskar Schmutz, Berlin-Haselhorst, Germany, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 17, 1938, Serial No. 246,420
In Germany December 23, 1937
3 Claims. (Cl. 172—239)



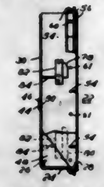
1. In a speed control system, in combination, an electric rotary machine including a field coil, an alternating current generator which is synchronously connected to said machine and which thereby produces an alternating current whose frequency is proportional to the speed of the machine, a transformer comprising a core of magnetic material and four coils wound thereon, a condenser, and a rectifier, the latter having input and output terminals, said condenser being connected in series with said rectifier input terminals, and said generator and the first of said coils being connected across said rectifier output terminals, an inductance, and a second rectifier having input and output terminals, said inductance and said second rectifier input terminals being connected in series with said generator, and the second of said coils being wound in opposition to the first of said coils and being connected across the output terminals of said second rectifier, said condenser-rectifier input combination being connected in parallel with said inductance-rectifier input combination and in parallel with said generator, a third rectifier having input and output terminals, the input terminals of which are connected in series with the third of said coils and said generator, and the output terminals of which are connected in series with said motor field coil and with the fourth of said coils wound on said transformer for securing regenerative coupling and for compensating the said machine against variations in speed.

2,254,900

DOOR SEAL FOR FURNACES WITH PROTECTIVE ATMOSPHERE

Gerhard P. Lessmann, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 20, 1939, Serial No. 300,380
6 Claims. (Cl. 263—10)



1. A heat-treatment furnace having a heat-treatment chamber in which a charge is adapted to be heat-treated while enveloped by a special atmosphere, said furnace including walls defining a heat-treatment chamber, a metal shell about said walls, means to convey a special atmosphere into said chamber, said furnace being provided with an opening through which a charge may pass, a door frame about said opening, a door cooperating with said frame for closing said opening, said door having an exposed outer metallic casing provided with expansion slots extending from the face of said door which is adjacent said door frame, a resilient gasketing material, means for mounting said gasketing material for sealing the adjacent surfaces between the edge of said door and said door frame, said gasketing material having a sufficient extent to cover said slots, means for raising and lowering said door including cooperative devices on said door and door frame for moving said door to and from covering position for said opening with said gasketing material out of contact with said door frame except in extreme door closing position, and for laterally moving said door to or from its extreme closed position whereby to avoid rubbing contact of said material on said door frame.

2,254,901

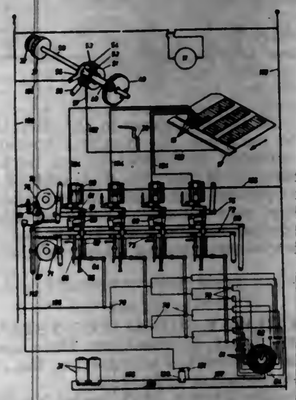
SORTING MACHINE

Michael Maul, Berlin-Johannisthal, Germany, assignor to the firm Deutsche Hollerith Maschinen Gesellschaft M. b. h., Berlin-Lichterfelde, Germany

Application May 11, 1939, Serial No. 273,015
In Germany May 25, 1938
2 Claims. (Cl. 209—110)

1. In a cyclically operable sorting machine controlled by individual records, one to be passed through the machine in each cycle of machine operation, each of said records comprising a plurality of superposed decks of perforations arranged in columns which are transverse to said decks, and wherein the deck arrangement and number of columns make the records longer in a direction parallel to said columns, the combination of analyzing means common to all of said decks and coordinated in succession with the columns of a selected deck, means for selectively associating a selected deck with said analyzing means, means for feeding said records past said analyzing means in a direction transverse of said columns, sorting mechanism controlled by said analyzing means for sorting the records according to a selected column, a member for controlling the effectiveness of said analyzing means, means for moving said member synchronously with the successive coordination of the record

columns with said analyzing means for causing said analyzing means to be effective for analysis at the time a selected record column of a selected deck is coordinated with the analyzing means, and record column selecting means comprising an adjustable device having different settings, each setting corresponding to a selected record column, for causing by a setting thereof a joint



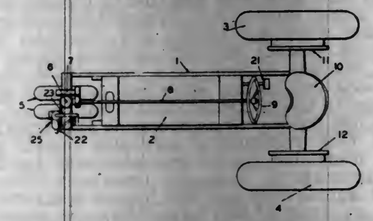
cooperation with said member to render said analyzing means effective at the time the selected column is coordinated therewith, whereby the feeding of the record transverse to the direction of its columns and the joint cooperation of said selecting means and member enables the sorting of each record in a cycle of operation of the machine having a duration governed by the shorter dimension of the record.

2,254,902

BRAKING SYSTEM CONTROLLED BY STEERING MECHANISM

Arthur N. Milster, Ferguson, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware

Application February 23, 1940, Serial No. 320,266
4 Claims. (Cl. 180—18)



1. In apparatus of the class described, a vehicle provided with a non-braked dirigible wheel and at least two other wheels, steering mechanism for the dirigible wheel including a steering column, a brake for each of said other wheels including a fluid motor, a source of fluid pressure, conduit means connecting the source to both fluid motors, a shut-off valve in the conduit means leading to each fluid motors, spring operated means for normally holding the valves open, and cam means carried by the steering column and operable when said column is turned a predetermined extent in one direction for so moving the spring operated means of one shut-off valve as to cause said valve only to be closed and when turned in the other direction for so moving the spring operated means of the other shut-off valve as to cause said valve only to be closed.

2,254,903

MOTOR CONTROL SYSTEM

Lothar Mirow, Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 4, 1939, Serial No. 249,209
In Germany January 15, 1938
5 Claims. (Cl. 172—276)



1. In a motor control system, in combination, an alternating current series motor having an armature winding and a main field exciting winding, a shunt circuit paralleling all of said field winding, reactive means in said shunt circuit for so controlling the relative impedances of the field winding circuit and the shunt circuit that the main field has substantially the same phase position as the current flowing through the armature, and switching means in said shunt circuit for controlling the energization of said reactive means.

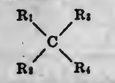
2,254,904

CELLULOSE DERIVATIVES, POLYVINYL COMPOUNDS, OR POLYMERIZED ACRYLIC ESTERS

William Henry Moss, London, England, assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application February 26, 1938, Serial No. 192,791. In Great Britain March 4, 1937
13 Claims. (Cl. 106—189)

7. A composition of matter containing a substance selected from the group consisting of cellulose esters, cellulose ethers, polyvinyl esters, polyvinyl ethers and polymerized alkyl substituted acrylic acid esters, together with a substance of the composition



wherein R_1 and R_2 are selected from the group consisting of hydrogen atoms, unsubstituted univalent hydrocarbon residues and groups which together with the carbon atom form a cycloaliphatic hydrocarbon residue and R_3 and R_4 are halogenated para-phenylol groups.

2,254,905

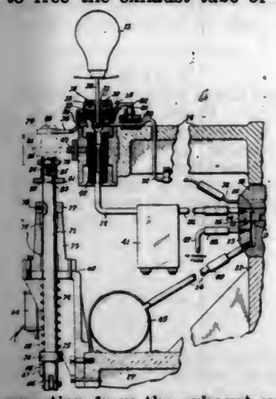
EXHAUST MACHINE AND METHOD OF PROTECTING EXHAUST SYSTEMS

Daniel Mullan, Kearny, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 25, 1938, Serial No. 242,196
24 Claims. (Cl. 176—2)

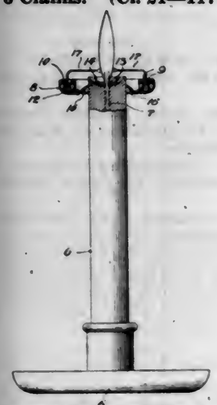
13. The method of facilitating the removal of a leaky or broken hollow device being evacuated and having an exhaust tube clamped in an exhaust rubber conduit by pressure on said conduit, comprising automatically closing the con-

nection to and releasing the pressure on said conduit to free the exhaust tube of said device



for disconnection from the exhaust system, upon an increase in pressure in said system beyond a predetermined point.

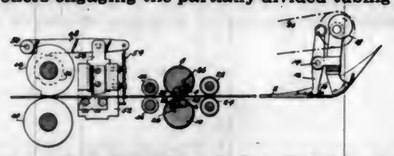
2,254,906
CANDLE PERFUMER
Bruno S. Petrulis, Lockport, Ill.
Application September 7, 1940, Serial No. 355,791
8 Claims. (Cl. 21—117)



1. A candle perfumer, comprising an annular perfume reservoir adapted to surround a candle, and, having an evaporating plate adjacent its upper side, supporting means for said reservoir adapted to rest upon the top of the candle, and heat conductors, secured to said evaporating plate and extending into the heat zone of the flame of the candle.

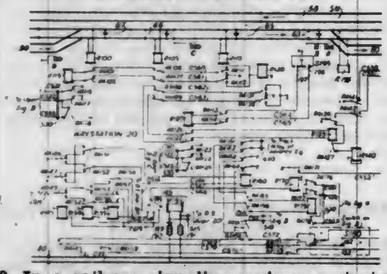
2,254,907
APPARATUS FOR MAKING BAGS AND THE LIKE
Adolph Potdevin, Garden City, and George E. Hampton, New York, N. Y., assignors to Potdevin Machine Company, Brooklyn, N. Y., a corporation of New York
Application June 22, 1938, Serial No. 215,130
2 Claims. (Cl. 93—19)

1. A bag making machine, comprising in combination tubing mechanism, means for continuously advancing the tubing, cutter carrying rollers in the path of the advancing tubing, for partially dividing the tubing into bag lengths, forwarding rollers adapted to engage the tube during said dividing operation, a second pair of rollers traveling at a higher peripheral speed than said forwarding rollers, the said second pair of rollers engaging the partially divided tubing to



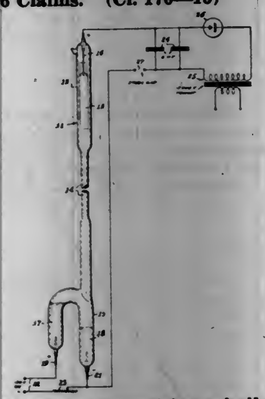
exert a pull on the tubing in the direction of its length to complete the dividing operation, and cutters adapted thereafter to cut back the opposed corners of the trailing end of the bag length to provide cut-backs at opposite edges of the tubing, said cut-backs being so shaped that the bottom of each of said cut-backs forms an inverted V when the bag length is opened.

2,254,908
RAILWAY SIGNALING SYSTEM
Samuel G. Raber, Youngstown, Ohio, assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application June 9, 1939, Serial No. 278,320
5 Claims. (Cl. 246—5)



3. In a railway signaling system, a stretch of railway track, a dispatcher station, a line, a signal device associated with said stretch of railway track and selectively operated to present different signal indications, transmitting equipment at said dispatcher station and selectively operative to transmit different operating signals over said line and to complete a hold circuit including said line, means selectively operative in response to the operating signals transmitted over said line for selectively operating said signal device, first transmitting apparatus remote from said dispatcher station and selectively operative continuously to transmit repeatedly different code signals over said line, means controlled by the operation of said signal device to present a new signal indication for initiating continuous operation of said first transmitting apparatus and for causing said first transmitting apparatus to transmit repeatedly a code signal over said line indicative of said new signal indication, means for maintaining continuous operation of said first transmitting apparatus while said hold circuit is completed, second transmitting apparatus remote from said dispatcher station and operative continuously to transmit repeatedly a code signal over said line indicative of the location of a fixed point along said stretch of railway track, means controlled by the passage of a train over said fixed point along said stretch of railway track for initiating continuous operation of said second transmitting apparatus, receiver means at said dispatcher station for reproducing audibly code signals transmitted over said line, a control device at said dispatcher station operative to interrupt said hold circuit, thereby to arrest continuous operation of said first transmitting apparatus, whereby the code signal transmitted repeatedly by said second transmitting apparatus over said line may be deciphered without interference by the dispatcher at said dispatcher station in the event of concurrent operations of said first transmitting apparatus and said second transmitting apparatus, and means governable by said transmitting equipment over said line for arresting continuous operation of said second transmitted apparatus.

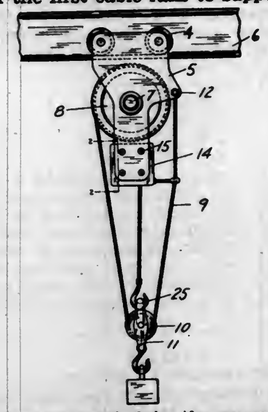
2,254,909
ULTRAVIOLET DISCHARGE LAMP
Harvey C. Rentschler, East Orange, and Rudolph Nagy, Bloomfield, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 28, 1939, Serial No. 264,520
16 Claims. (Cl. 176—13)



1. A discharge lamp comprising a hollow elongated envelope consisting of a pair of chambers connected by a tubular portion transparent to short wave length ultra-violet radiations, a solid anode in one of said chambers, a cathode in the other chamber, an ionizable medium enclosed in said envelope, and means for supplying unidirectional current for causing condenser discharges between said electrodes, to generate ultra-violet light consisting of a very large number of strong lines in the short wave length ultra-violet spectrum.

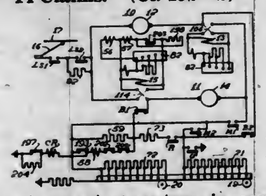
2,254,910
SAFETY HOIST
John W. Richards, Davenport, Iowa, and Cyril V. Tondreau, Rock Island, Ill.
Application December 17, 1938, Serial No. 246,296
7 Claims. (Cl. 254—175)

5. A mechanism of the character described comprising, in combination, a hoisting drum, a hoisting cable connected thereto and to a load to be lifted, a second drum connected to the hoisting drum by common supporting means, a second cable connected thereto and to said load, a ratchet rigidly connected to the second drum and rotating therewith, a latch for preventing rotation of said ratchet, actuating means for said latch directly connected to said latch and normally engaging the hoisting cable when the load is supported thereby and holding the latch out of engagement with the ratchet, actuating means for the latch to cause it to engage the ratchet and prevent retrograde rotation of the second drum if the first cable fails to support the load,



and means connected to the second drum and operative to cause the second drum to rotate when the load is being lifted whereby to insure that the second cable will not be permitted to become slack.

2,254,911
MOTOR CONTROL AND BRAKE SYSTEM
Lynn G. Riley, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 16, 1939, Serial No. 273,876
14 Claims. (Cl. 192—2)

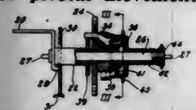


1. In a motor control system, in combination, a motor for propelling a vehicle, a power conductor, switching means for connecting the motor to the power conductor, switching means for establishing dynamic braking connections for the motor, a variable resistance accelerator for controlling the motor current during acceleration and dynamic braking of the vehicle, said accelerator being connected in the motor circuit in the same manner during both acceleration and dynamic braking, means for driving said accelerator in the same direction during both acceleration and dynamic braking of the vehicle to vary the resistance in the motor circuit, and switching means controlled by said accelerator for shunting the accelerator from the motor circuit.

2,254,912
WATT-HOUR DEMAND METER
George W. Rosenberger, Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 14, 1937, Serial No. 159,039
13 Claims. (Cl. 171—34)

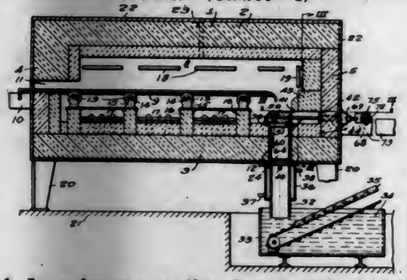
1. A maximum demand measuring instrument

comprising a demand member, means mounting said demand member for rotation away from an initial position, a shaft, means for rotating said shaft, and means for establishing a driving connection between said member and shaft for rotating said member away from said initial position including a lever pivotally mounted on said shaft for pivotal movement with respect



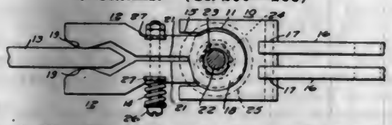
thereto and having one end overlying a portion of said member, an actuating device mounted on said shaft for movement longitudinally thereof and having a portion extending over said lever, and means on confronting surfaces of said lever and actuating device to force said one end of the lever into engagement with said member when the device is moved toward the member.

2,254,913
ELECTRIC FURNACE
Willard Roth, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 18, 1939, Serial No. 251,493
8 Claims. (Cl. 266—4)



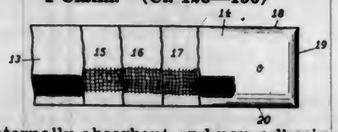
1. In a furnace of the class described having a top wall, a bottom wall, and side walls defining a heat-treatment chamber, said bottom wall having a downwardly-directed quench-duct extending substantially for the distance between two side walls; the combination of refractory, slidable closing means for said duct, means for sliding said closing means along the top of said duct to and from duct-closing position and maintaining it in either position, and supporting and guiding means for said closing means including supports forming part of said duct.

2,254,914
DISCONNECTING CONTACT
Harold H. Rugg, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 9, 1939, Serial No. 294,039
9 Claims. (Cl. 200—166)



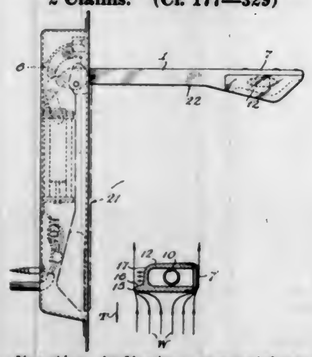
1. A disconnecting contact comprising a base member having a cylindrical recess therein, a plurality of contact fingers having a rounded end movably disposed in said recess, the diameter of said end being greater than the width of the opening to said recess and substantially less than the diameter of the recess, and means for retaining said fingers in said recess.

2,254,915
SURGICAL DRESSING
Lester T. Sawyer, Fitchburg, Mass.
Application May 2, 1938, Serial No. 205,509
In Canada May 3, 1937
1 Claim. (Cl. 128—156)



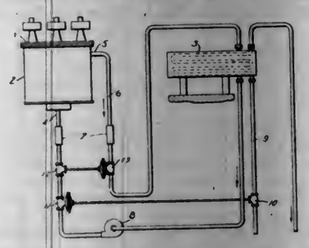
An internally absorbent and non-adhesive surgical compress the edges of which will not ravel comprising a plurality of walls of open mesh non-absorbent rubberized cohesive gauze, which walls include the outer walls of said compress; one or more internal sheets of absorbent material; and provisions for closing the compress along its outer wall edges exposing externally solely said non-absorbent walls.

2,254,916
DIRECTION INDICATOR
Paul Ernst Schneider, Chemnitz, Germany
Application August 31, 1938, Serial No. 227,673
In Germany September 3, 1937
2 Claims. (Cl. 177—329)



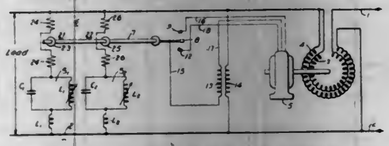
1. A direction indicator, comprising, in combination, an elongated arm of rectangular cross-section throughout the major part of its length, said arm being stamped from sheet metal and having an upper wall, two side surfaces and opposed edges constituting a lower surface of the arm and extending at a distance from each other, one end of the arm including said upper wall and substantially short flanges constituting a part of said side surfaces, whereby a recess is formed at said end of the arm, a detachable translucent end portion fitting into said recess and having shoulders engaging said flanges to present flush surfaces, said end portion being U-shaped in cross-section and having slanting lower surfaces converging to an apex intermediate the ends of the end portion, a pair of brackets carried by said upper portion and projecting within said end portion to support a lamp therein, and a screw extending through said upper wall and engaging said end portion to hold the latter.

2,254,917
COOLING SYSTEM FOR ELECTRIC DEVICES
Ernst Schröder, Berlin-Staaken, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 28, 1940, Serial No. 343,006
In Germany August 23, 1939
3 Claims. (Cl. 257—2)



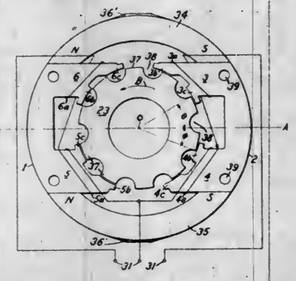
1. A cooling system comprising a cooling element, a heat exchanger, closed connections between said cooling element and said heat exchanger, a pump for circulating cooling fluid between said cooling element and said heat exchanger, a supply connection for supplying cooling fluid to said heat exchanger, a control valve in said supply connection, a thermal responsive device in the inlet connection of said cooling element for operating said control valve, a second control valve in the connection between the cooling element and the heat exchanger and a thermal responsive element in the outlet of said cooling element for controlling said second control valve.

2,254,918
VOLTAGE REGULATOR
Max Schwaiger, Nuremberg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 24, 1938, Serial No. 215,553
In Germany August 27, 1937
3 Claims. (Cl. 171—119)



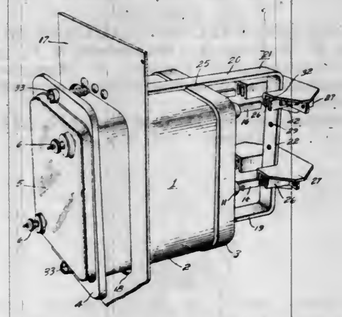
1. In a regulating system for governing the voltage of alternating-current circuits, means for adjusting the voltage of said circuit, control means therefor energized to be operated in accordance with variations in the regulated quantity from its desired value comprising two motor elements coupled together in opposition and having their energizing circuits separately connected across the circuit to be regulated in series with separate networks comprising a variable inductance and a fixed capacitance connected in parallel circuit relation to each other and in series with a fixed inductance, the variable inductance comprising an automatically regulated variable inductance device operable for effecting a sudden variation in inductance for permitting the required operating current to flow to the control means only upon variation in the regulated quantity from its desired value and to prevent the flow of operating current when the regulated quantity is substantially at its desired value.

2,254,919
INDUCTOR GENERATOR
Benjamin H. Smith, Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 8, 1938, Serial No. 212,439
18 Claims. (Cl. 171—252)



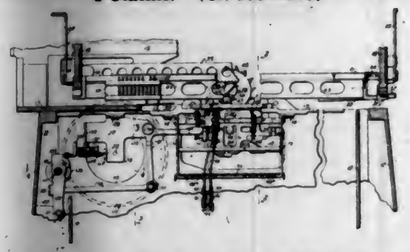
1. In a generator, a plurality of coils, a magnetic member positioned within each of said coils, and means for passing a fluctuating magnetic flux through said members, at least one of said magnetic members being adjustable for varying the phase relationship of the flux passing therethrough relative to the flux passing through the remainder of the magnetic members.

2,254,920
ELECTRICAL INSTRUMENT
Roy M. Smith, Livingston, and Kolman Riesz, Gillette, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 18, 1939, Serial No. 290,768
4 Claims. (Cl. 175—298)



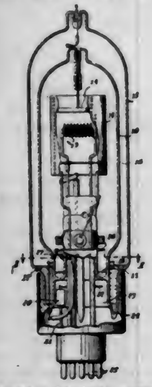
1. In a detachable electrical instrument installation, a panel having an opening, a detachable relay instrument having a base insertable in said opening in a predetermined direction for mounting on said panel, a U-shaped bracket positioned around the base of said instrument and having its ends extending from said panel for a substantial distance in said predetermined direction, said detachable relay instrument and said ends of said U-shaped bracket having slidably related inter-fitting male and female parts for confining movement of said relay instrument to said predetermined direction, contact means carried by said detachable relay instrument, and cooperating contact means carried by said U-shaped bracket and detachably engageable with said first-named contact means when said detachable relay instrument is in said mounted position.

2,254,921
TYPEWRITING AND LIKE MACHINE
Russell G. Thompson, Elmira, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application November 17, 1939, Serial No. 304,988
4 Claims. (Cl. 197—169)



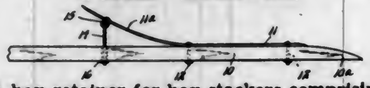
1. In a typewriting or like machine, the combination of a carriage, a spring drum therefor, an escapement wheel operatively connected with said carriage, a movable dog rocker, a releasable feed dog pivotally mounted on said dog rocker in cooperative relation with said escapement wheel to normally hold said carriage against movement under the force of said spring drum, a releasing member for pivotally moving said feed dog relative to said dog rocker to a position out of cooperative relation with said escapement wheel, carriage release keys mounted on said carriage, a bail operatively connected with said release keys and extending longitudinally of the carriage for operating said releasing member, ribbon feeding mechanism including a shaft operatively connected with said spring drum, and means operated by said releasing member for moving said shaft out of operative connection with said spring drum.

2,254,922
DOUBLE WALL DISCHARGE DEVICE
Ward W. Watrous, Jr., Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 13, 1940, Serial No. 345,275
6 Claims. (Cl. 250—27.5)



1. A discharge device comprising an inner sealed envelope having therein two electrodes and a gaseous medium affected by ambient temperature, an outer sealed envelope enclosing said first sealed envelope, said second sealed envelope having a substance therein liquid at 0° C. and having a high vapor pressure and high heat conductivity at the maximum operating temperature of said inner sealed envelope and electrodes, and a heater in said outer sealed envelope.

2,254,923
HAY RETAINER FOR STACKERS
Herbert E. Wickett, Canton, Minn.
Application October 21, 1939, Serial No. 300,668
1 Claim. (Cl. 214—144)

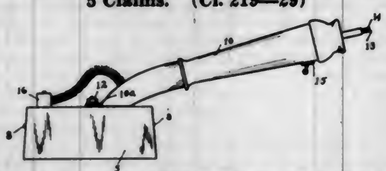


A hay retainer for hay stackers comprising an elongated resilient metal element having a forward relatively straight portion adapted to lie flat on a stacker rake tine, said element having a rear portion extending upwardly and rearwardly and terminating above the horizontal longitudinal line of said forward straight portion, said rear portion being downwardly yieldable under imposed weights to a position in substantially horizontal alignment with said forward portion, a bolt connected to the rear portion of said metal element and adapted to extend through a stacker tine for limited vertical movement with respect to the tine.

2,254,924
CLOSURE ARRANGEMENT FOR OPENING OF SHEET-METAL CONTAINERS
Max Wells Williams, Waldershare Park, Dover, England, assignor to American Flange & Manufacturing Co., Inc., New York, N. Y., a corporation of Illinois
Application November 4, 1939, Serial No. 302,874
In Great Britain October 28, 1938
10 Claims. (Cl. 29—148.2)

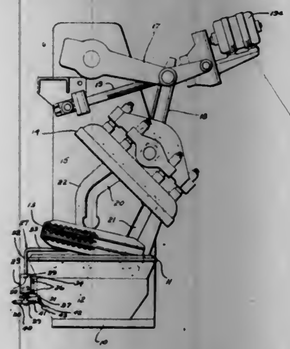
1. The method of converting an integral upstanding neck surrounding the opening in a metal container wall into a closure receiving member which comprises, bending the stock of said neck into a formation presenting substantially a standard pipe thread and simultaneously therewith rolling the free end of said neck outwardly to provide a gasket receiving surface.

2,254,925
PAINT DISINTEGRATOR
Louis E. Wirth, Pittsburgh, Pa.
Application March 30, 1939, Serial No. 264,951
5 Claims. (Cl. 219—29)



4. Disintegrator apparatus for paint and varnish coatings adapted to be progressed over a surface so coated while manualy supported in spaced relation thereto organized as an oblong housing of light structure and relatively small dimensions having side walls and a back wall, an exposed high temperature electrical resistance structure capable of creating a temperature of from about 850° F. to 1100° F. within the housing occupying a horizontal plane area arranged within the ambit of the housing side walls and insulated in the housing, and a handle projectant from the back wall of the housing to form an acute angle with the plane of the said resistance structure so that an operator conveniently holds the resistance structure parallel to the surface over which it is moved, said angularly projectant handle being rotatably adjustable about an axis perpendicular to the plane of the said resistance structure so that the relation of an operator's grasp of the apparatus is conformable to the direction in which the disintegrator apparatus is moved, and to the angular adjustment of the disintegrator to move over the surface being treated in a path of regulated width.

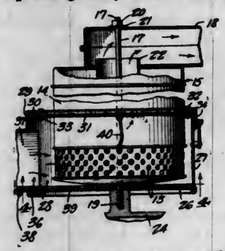
2,254,926
DEVICE FOR SUPPORTING TIRES IN VULCANIZERS
John H. Zimmerman, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application August 18, 1937, Serial No. 159,719
1 Claim. (Cl. 18—17)



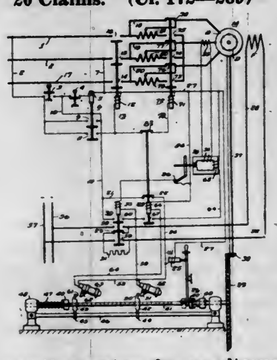
Tire-vulcanizing apparatus comprising a pair of separable circular mold sections having cavities in their meeting faces, means for moving one of the mold sections toward and from the other mold section, an arm pivoted outside of said other mold section and having a tire-supporting portion movable into and out of active position adjacent the corresponding cavity when the mold sections are separated, and yielding means to swing said arm to move said tire-supporting portion into active position as the mold sections are separated.

2,254,927
SUPERCHARGER
Lester M. Archambeau, Farmville, Va.
Application September 3, 1940, Serial No. 355,260
7 Claims. (Cl. 123—119)

4. A supercharger adapted to be attached to an air filter having air inlets therearound, comprising a casing enclosing the air inlets of the filter, said casing being eccentrically mounted on the filter so that the wall thereof encompassing the air inlets will be spaced therefrom a greater distance at one side than at the other, said wall having an opening in the portion thereof arranged the greatest distance from the filter in a manner whereby air under pressure passing through the opening may enter the air inlets at substantially equal pressure from all sides of the filter.

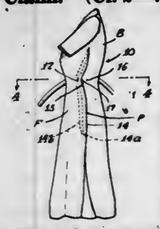


2,254,928
ALTERNATING-CURRENT MOTOR STARTING SYSTEM
Frederick Auld, Charleston, W. Va., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 31, 1938, Serial No. 199,234
20 Claims. (Cl. 172—289)



1. In a starting system for an alternating current motor, a source of alternating current therefor having low voltage starting and full-voltage running taps, and means responsive to the number of revolutions of the motor after starting adapted to automatically control the transfer of the motor armature from the low-voltage starting taps to the full-voltage running taps.

2,254,929
GARMENT
Joan C. Bertolami, Quincy, Mass., assignor to Josephine F. Creed, Boston, Mass.
Application August 22, 1939, Serial No. 291,337
1 Claim. (Cl. 2—76)



A maternity dress having overlapping folds forming a pleat extending longitudinally of the

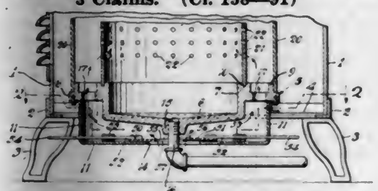
garment, readily separable rows of longitudinal stitches above and below the waist line for securing the intermediate one of the folds to the body of the garment, the longitudinal stitches terminating above and below the waist line to provide free folds at said waist line, horizontally disposed cooperating separable fastening elements at the waist line in alignment with the stitches and between the garment and the inner face of the intermediate fold to fasten the intermediate free fold portion of the pleat to the garment, removable cooperating fastener elements on the outer surface of the intermediate fold in line with the stitches, one of said fastener elements being located adjacent the inner end of the outer face of the intermediate fold, a cooperating fastener element on the inner surface of the outer fold to cooperate with the fastener elements on the outer face of the intermediate fold, the fastening element on the outer fold being spaced from the fastener element with which it is designed to cooperate a distance substantially equalling twice the distance between those separable fasteners provided between the intermediate fold and the garment, whereby on severing a row of stitches and separating the fastening elements between the intermediate fold and the garment to reduce the width of the pleat and increase the transverse dimension of the garment, the fastening element on the inner surface of the outer fold will be in a position to engage the cooperating fastening element on the outer face of the free end of the intermediate fold, whereby on extension of the dimension of the garment at the waist line, the intermediate fold and outer fold will be held by the separable fastener elements between the intermediate and outer folds against sagging and held in united relation with the surface of the garment.

2,254,930

BURNER FOR LIQUID FUEL

James L. Breese, Santa Fe, N. Mex., assignor to Oil Devices, Santa Fe, N. Mex., a limited partnership of Illinois

Application September 11, 1937, Serial No. 163,371
3 Claims. (Cl. 158—91)



1. In a hydrocarbon burner, a mixing chamber; means for delivering a liquid hydrocarbon to the interior thereof, means for delivering a stream of air upwardly against the bottom of said mixing chamber generally along the central axis of said mixing chamber, and means for varying the cooling effect of said stream of air, including means for varying the speed of movement of the air as it passes across the bottom of said mixing chamber.

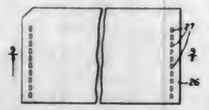
2,254,931

CONTROL RECORD FOR ACCOUNTING MACHINES

James W. Bryce, Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application May 27, 1937, Serial No. 145,031
1 Claim. (Cl. 235—61.12)

A record element for controlling statistical machines possessing sufficient flexibility and rigidity to render it capable of being handled by statistical machine handling and feeding means, said record comprising a non-magnetic body portion having a plurality of index point positions and carrying discrete areas of magnetizable material at each of said index point positions and having the said discrete areas surrounded by non-magnetic areas.

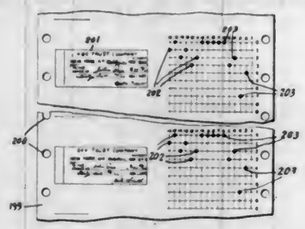


2,254,932

STATISTICAL MACHINE

James W. Bryce, Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application May 11, 1938, Serial No. 207,282
2 Claims. (Cl. 235—61.7)



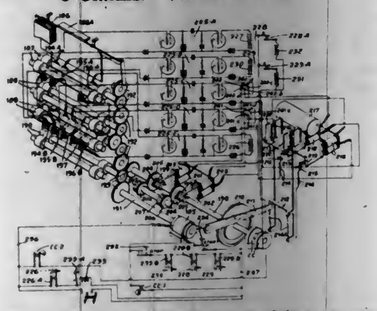
1. A cyclically operable record controlled machine comprising cyclically operating record feeding means, said records bearing amount and related classification data designations, a single sensing station having means thereat for sensing said designations on the records fed successively thereto, an individual record being sensed during a cycle of the machine, storage means controlled by the sensing means for setting up successively each cycle the representations of the amount data sensed on each record, an accumulator having adding control means and subtracting control means, a plurality of settable devices on which desired comparison data is set up, means under control of said sensing means and said settable devices for comparing the sensed classification data and comparison data during each cycle, a plurality of partially completed control circuits interconnecting the said adding and subtracting control means and storage means, controllable means, under control of the comparing means, having means for selectively effecting completion of certain of the said control circuits, during the said cycle, whenever the record classification data bears a predetermined relationship to the setup comparison data, thereby selecting certain of the said adding and subtracting control means of the accumulator and rendering them capable of being controlled by the storage means, and means included in said storage means for effecting energization of the completed circuits and control means of the accumulator, at different times during the cycle subsequent to the cycle during which the said classification data is sensed, in accordance with the data set up in the storage means, thereby effecting entries of the said setup data in the accumulator.

2,254,933

RECORD CONTROLLED MACHINE

James W. Bryce, Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Original application May 27, 1937, Serial No. 145,031. Divided and this application June 17, 1938, Serial No. 214,397
5 Claims. (Cl. 235—61.7)



1. In a record controlled machine, a record element comprising a non-magnetic body portion carrying finely divided magnetizable material, said record element having discretely magnetized index points which are differentially disposed in predetermined columnar areas, means for detecting magnetically said index points, means for continuously moving said record element past said detecting means for producing electrical impulses in accordance with the disposition of the discretely magnetized index points thereon, and differentially operable devices controlled by said detecting means and responsive to said impulses.

5. A record controlled machine of the class described comprising means for feeding individual records successively, each of said records being provided with magnetizable material and having a control designation thereon consisting of a discrete magnetized area, individual sensing magnets for sensing similarly disposed designations on two successive records simultaneously, electron discharge means having an input circuit including a grid element and an output circuit, means for impressing a bias condition on the said grid element and input circuit so that the electron discharge means is substantially non-conductive, means for connecting the said sensing magnets in a series arrangement to said input circuit for altering the bias condition impressed thereupon to render the discharge means conductive only upon the sensing of similarly disposed designations on two successive records simultaneously by impressing the potentials upon the said input circuit which are induced simultaneously in the said sensing magnets, and means controlled by the output circuit of the said discharge means, when the latter is conductive, for modifying the operation of the said feeding means.

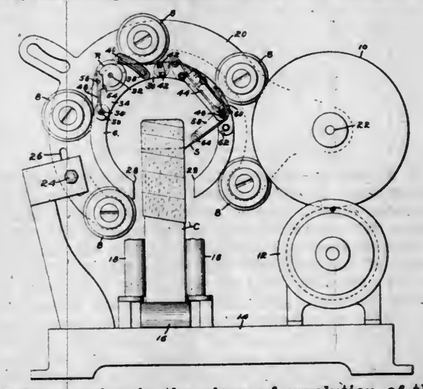
2,254,934

STRIP-DISPENSING MECHANISM FOR COIL-WRAPPING MACHINES

Harry W. Brown, Saxonville, Mass., assignor to Edward H. Angier, Framingham, Mass., as trustee

Application August 2, 1940, Serial No. 349,531
6 Claims. (Cl. 242—6)

2. Strip dispensing mechanism for the revolving shuttle of a coil wrapping machine embodying means for supporting and rotating the coil through the eye of the shuttle and means for supporting and revolving the shuttle providing for moving the same bodily with reference to the coil comprising a member having means for attaching it to the face of the shuttle and having projecting in overhanging relation from the face thereof a spindle for receiving a roll of wrapping strip, said attaching means providing for adjustment



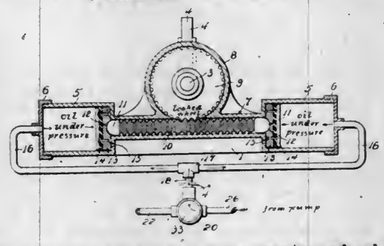
of the member in the plane of revolution of the shuttle to permit substantial differentiation between the path of a roll on said spindle and the path of the shuttle, and a dance roll engaging the strip as it leads from said member to the coil being wrapped so that the strip passes immediately from said dance roll to the coil for cooperation with the strip as it passes to the article being wrapped.

2,254,935

CASTER WHEEL CONTROL FOR AIRPLANES

Frank L. Darling, Hollywood, Calif., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware

Application June 26, 1939, Serial No. 281,304
9 Claims. (Cl. 244—1)



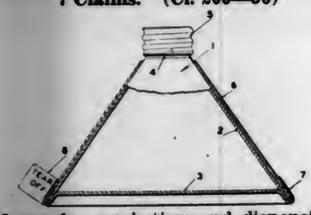
1. In an airplane having a caster wheel, the combination with said wheel of means for hydraulically locking said wheel against swivelling on its spindle axis, and means normally holding said wheel free to swivel about its spindle axis, said means including operating pistons in cylinders and a control valve device having fluid exhausting and admission ports and a valve for said ports for the purpose of either delivering liquid under pressure to said cylinders or exhausting liquid therefrom, or trapping the liquid in said cylinders accordingly as said valve is in one position or another, by virtue of which said wheel may be left free to swivel, be held under hydraulic pump pressure, or be hydraulically locked, at the will of the aviator.

2,254,936

FLUID CONTAINER AND PACKAGE

Burns Dick, Ferguson, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware

Application April 20, 1939, Serial No. 268,933
7 Claims. (Cl. 206—56)



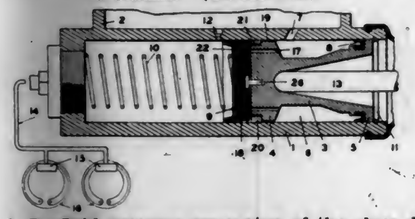
1. Means for marketing and dispensing fluids comprising a cone-shaped container for fluid provided with a capped pouring spout at its apex and a flat closure bottom at the base of the cone, a cone-shaped package open at the bottom and being of substantially the same size and shape as the container and receiving the container in nested relation, and removable means cooperating with the bottom portion of the container and the package for holding the container in the nested relation in said package, said package when inverted after the container is entirely removed therefrom providing a funnel for facilitating the dispensing of the fluid.

2,254,937

MASTER CYLINDER PISTON CONSTRUCTION

Burns Dick, Ferguson, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware

Application May 20, 1939, Serial No. 274,692
9 Claims. (Cl. 309—33)



1. In fluid pressure apparatus of the class described, a piston construction for reciprocation in a cylinder and adapted to have associated with its head a yieldable packing cup directly acted on by fluid pressure, said construction comprising a piston having a passage therethrough spaced from the periphery for permitting fluid to flow from one side of the piston to the other, a split resilient ring for cooperation with the cylinder wall and associated with the head of the piston and having its forward surface substantially flush with the forward surface of the piston head, and a thin member associated with the piston head and overlying the gap between the piston and the inner surface of the piston ring and also the open end of the passage through the piston.

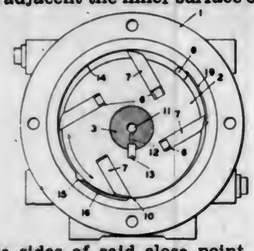
2,254,938

ROTARY COMPRESSOR

Burns Dick, Ferguson, and Fred H. Stroup, Kirkwood, Mo., assignors to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware

Application July 10, 1939, Serial No. 283,612
5 Claims. (Cl. 230—152)

1. In a rotary air compressor having its movable parts lubricated by oil and capable of compressing air and forcing it into a receiver against air pressure therein, said compressor comprising a stator having a chamber therein, a rotor eccentrically mounted for rotation within said chamber in close proximity to the wall of said chamber at one point to form a close point therewith and provided with blades for cooperation with the inner surface of the stator, means for rotating said rotor, end plates for the stator closing said chamber, one of said end plates being provided with the sole inlet port for the compressor and the other end plate with the sole outlet port for the compressor, both said ports being positioned adjacent the inner surface of the stator



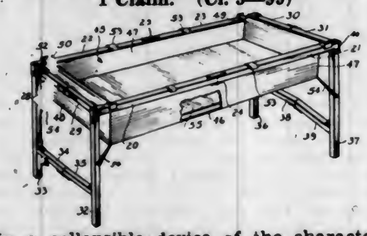
at opposite sides of said close point, said outlet port being spaced circumferentially rearward from the close point of the rotor and stator, and means comprising circumferentially extending grooves in the stator surface for permitting fluid under pressure to pass a rotor blade after said blade has passed the outlet port, one of said grooves being at the outlet end of the stator with its rearward end communicating directly with the outlet port and its other end closely adjacent the close point, said other groove being at the opposite end of the stator with its rearward end substantially in axial alignment with the rearward end of the first groove and its other end closely adjacent the close point.

2,254,939

COLLAPSIBLE STRUCTURE

Thias Elias, New York, N. Y.

Application December 3, 1940, Serial No. 368,277
1 Claim. (Cl. 5—99)



In a collapsible device of the character described, a rectangular main frame and end structures for supporting said frame in an elevated horizontal plane when the device is set up; said main frame comprising side rails and end rails, each side rail being formed in two sections hinged to each other so as to converge upwardly when the rail is collapsed, each end rail being formed in two sections hinged to each other and to said side rails so as to converge inwardly when the end rail is collapsed; each end structure comprising two legs and a cross brace, said brace being formed in two sections hinged to each other and to said legs so as to swing upwardly when the brace is collapsed, each leg being hinged to the end of one of said side rails so as to swing outwardly and upwardly into a position overlying said side rail; whereby said legs and sections may be collapsed into a bundle of substantially parallel elements.

2,254,940

RUST PREVENTION

Günther Endres, Hamburg, Germany

No Drawing. Application August 16, 1938, Serial No. 225,249. In Germany September 9, 1937
1 Claim. (Cl. 252—387)

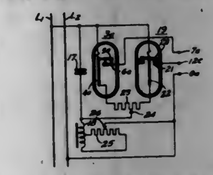
A non-corrosive aqueous composition comprising an aqueous solution of an electrolyte which alone is corrosive, and a 0.02 to 2% by weight of an azide selected from the group consisting of sodium azide, potassium azide, barium azide and tetramethylammonium azide in which a buffering agent is added having a pH of approximately 7.3.

2,254,941

RELAY SYSTEM

Erich Friedländer, Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 9, 1938, Serial No. 194,863
In Germany March 10, 1937
9 Claims. (Cl. 175—320)



1. In a control system; a source of alternating energy; a plurality of electroresponsive control devices, each of said control devices having a thermal actuating element; and energizing means, including at least one tuned circuit for energizing said actuating elements from said source, said energizing means including impedance means adjustable for decreasing the flow of energy to one of said actuating elements and simultaneously increasing the flow of energy to another of said actuating elements.

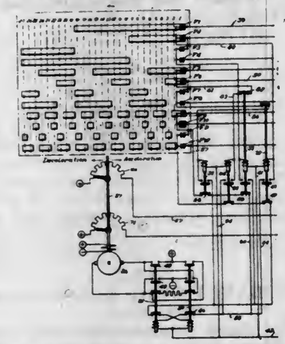
2,254,942

REMOTE CONTROL OF DRUM CONTROLLERS

Erling Frisch, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 9, 1939, Serial No. 294,076
4 Claims. (Cl. 172—239)

1. A follow-up control system comprising, in combination, a master controller having a plurality of operating positions, said positions being divided into a plurality of groups, each group having a group contact segment, each of said groups being subdivided into a plurality of subgroups each having a subgroup contact segment, a plurality of pairs of contact members operable by said controller corresponding to the number of groups and subgroups, the group and subgroup contact segments each being effective to close a separate pair of said contact members for any controller position, a source of energizing potential having only one of its terminals permanently connected to one of the contact elements of each of said pair of contact members, a follow-up controller which is similarly divided into groups and subgroups of contact segments, and having a plurality of pairs of contact members operable thereby corresponding to the number of groups and subgroups of contact segments on the follow-up controller, a conductor which interconnects corresponding pairs of contact members of the master and follow-up controllers,



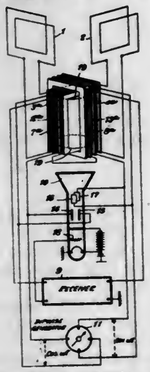
circuit means including a reversible motor for driving said follow-up controller and a plurality of transfer relays for successively transferring a motor energizing circuit from one of said pair of closed contact members to the other on said master controller in response to predetermined successive follow-up movement in either of two directions of said follow-up controller.

2,254,943

RADIO DIRECTION FINDING

Jean Baptiste Paul Henri Galle, Sceaux, France, assignor to Société Anonyme: Jaeger-Aviation, Levallois-Perret, Seine, France

Application July 23, 1937, Serial No. 155,176
In Belgium July 29, 1936
2 Claims. (Cl. 250—11)



1. In a radio direction finding device, two directional aerials displaced at right angles relatively to each other, a receiving circuit comprising a phasemeter, coupling means between the circuits of the aerials and the receiving circuit comprising a magnetic core, two aerial induction coils respectively connected to each aerial and arranged at right angles on the magnetic core, two receiving induction coils connected in series in the receiving circuit and also arranged at right angles on the magnetic core a modulating rotating field.

2,254,944
CYLINDER HEAD
Franz R. Hensel and Earl I. Larsen, Indianapolis, Ind., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Original application March 8, 1934, Serial No. 714,614. Divided and this application May 16, 1941, Serial No. 393,743
6 Claims. (Cl. 123—191)



4. A cylinder head for internal combustion engines formed of an alloy composed basically of copper which is precipitation hardened imparting thereto a thermal conductivity of at least 60 per cent of the thermal conductivity of pure copper.

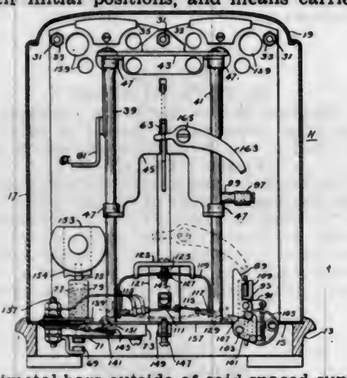
2,254,945
GAS DISCHARGE LAMP AND METHOD OF MAKING
Charles W. Hunt, Maplewood, and Daniel S. Gustin, Bloomfield, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 25, 1937, Serial No. 150,252
12 Claims. (Cl. 176—126)



1. A lamp comprising an envelope, a metal contact cap, substantially the entire inner surface of said cap being coated with insoluble insulating material, the cap-adjacent portion of said envelope overlapping only the peripheral portion of the coated face of said cap and sealed thereto, for effecting closure of said envelope.

2,254,946
THERMAL TIMER FOR AUTOMATIC TOASTERS
Murray Ireland, near Elgin, Ill., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application July 10, 1939, Serial No. 283,520
12 Claims. (Cl. 219—19)

1. In an automatic electric toaster comprising a toasting element, a bread carrier movable into toasting and non-toasting positions relatively to the toasting element and yieldingly biased to non-toasting position, means to move said carrier to toasting position and detent means to hold the carrier in toasting position, that improvement in detent releasing means comprising temperature responsive means including a main and a compensating bimetal bar secured together, means for supporting said bimetal bars at two spaced points to cause them to have an initially bowed shape, means controlled by the main bimetal bar to cause heating and then cooling of said bimetal bars to cause them to move across an axis of pressure into an oppositely bowed position with a snap action and then back to their initial positions, and means carried by



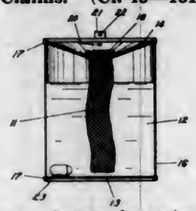
said bimetal bars outside of said spaced supporting points mechanically engaging said detent to cause release thereof during one of said movements of said bimetal bars.

2,254,947
VEHICLE SUNSHADE
Fletcher Judge and Cornelius Albert Donovan, Dallas, Tex., assignors to Auto Venette Company Incorporated, Dallas, Tex., a corporation of Texas
Application May 18, 1940, Serial No. 335,906
2 Claims. (Cl. 189—63)



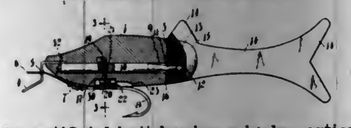
1. A shade for windows and other openings including a plurality of relatively parallel slats mounted on relatively spaced supports, links pivoted to said supports, compressible means carried by the ends of said supports and the free ends of said links to bear against opposite sides of an opening whereby to maintain said supports and links under compression when in relatively parallel relationship.

2,254,948
INSECT KILLING DEVICE
John Frank Kubalek, Tama, Iowa
Application December 13, 1939, Serial No. 309,023
3 Claims. (Cl. 43—131)



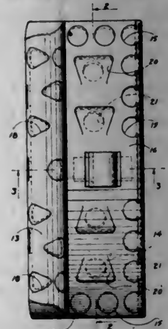
1. In a device of the character described, a container, a recessed cover fixedly attached thereto, a wick passing through an opening in the cover, a water soluble capsule sealed within the container, and a water soluble poison in the capsule.

2,254,949
ARTIFICIAL FISHING BAIT
Howard E. Messacar, Toronto, Ontario, Canada
Application April 3, 1940, Serial No. 327,547
10 Claims. (Cl. 43—46)



1. An artificial bait having a body portion provided with a substantially V shaped notch at its rear end; a tail formed of soft flexible material having its forward end received in the notch; a pin; and means connected with the body for embracing the pin intermediate its ends and for positioning it in the notch in spaced relationship to the sides thereof, the forward end of the tail having a recess to receive the said pin embracing means and being adapted to be impaled on the opposite ends of the pin.

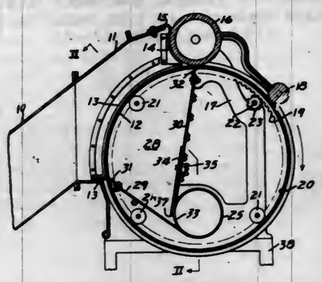
2,254,950
BRAKE SHOE
Lewis Franklin Moore, Roanoke, Va., assignor to Walker Machine & Foundry Corporation, Roanoke, Va., a corporation of Virginia
Application December 27, 1940, Serial No. 371,913
3 Claims. (Cl. 188—258)



1. A brake shoe including a reinforcing plate having perforated tongues bent out of the plane thereof and projecting beyond the inner surface thereof, and a cast metal body surrounding said tongues on all their free sides and filling said perforations and the openings provided in the plate by the deformation of the tongues.

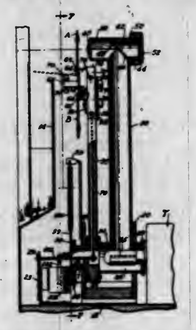
2,254,951
LINT CONDENSER
George C. Morgan, Birmingham, Ala., assignor to Continental Gin Company, a corporation of Delaware
Application April 29, 1939, Serial No. 270,758
21 Claims. (Cl. 19—156)

1. In a lint condenser and the like, a rotatable foraminous drum associated with means to deliver a lint bearing air current to a portion of its outer periphery, means defining a chamber within the drum adapted to receive the air current that traverses the drum, said chamber converging toward its outlet end, and a suction duct into which said outlet end opens in position to



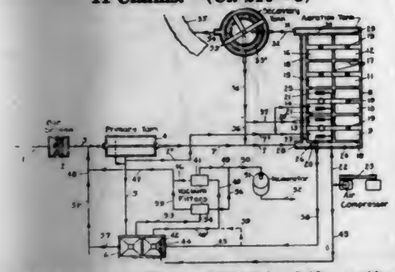
deliver the air stream into said duct tangentially to induce a whirl therein of the air about an axis lengthwise of said drum.

2,254,952
TARGET APPARATUS
Nathen E. Squire, Chicago, Ill., assignor, by mesne assignments, to Advance Patents Corporation, Chicago, Ill., a corporation of Illinois
Substituted for abandoned application Serial No. 104,849, October 9, 1936. This application February 19, 1940, Serial No. 319,729
3 Claims. (Cl. 273—101.1)



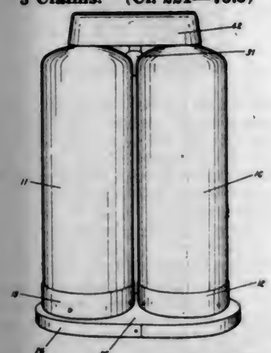
1. An oscillating target including an oscillating arm and driving means therefor, and individual target figures on said arm and simulating moving objects traveling in relatively reverse directions, mechanism driven cooperably with said arm for periodically interchanging the relative positions of said figures so as to present to view one of the same traveling apparently in the direction of movement of said arm during each oscillation of the latter, each of said figures being also mounted for independent movement from a normal to a hit-indicating position, releasable means holding each of said figures in said normal position, together with photo-electric release-actuating means mounted for movement with said arm, each of said figures having a light penetrable target area, said area being optically aligned with said photo-electric means when said figure is presented to view as aforesaid, and mechanism operated by said photo-electric means for operating said releasable means to permit the presented figure to move into hit-indicating position when light is directed through said area, and means for automatically restoring said figures from hit-indicating to normal position upon continued movement of said arm.

2,254,953
SEWAGE DISPOSAL SYSTEM AND APPARATUS THEREFOR
Howard S. Thomas, Rochester, N. Y.
Application September 14, 1937, Serial No. 163,804
11 Claims. (Cl. 210—8)



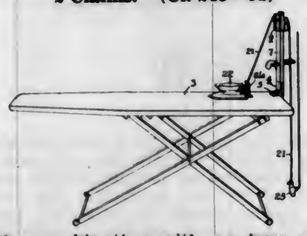
1. In a sewage disposal plant of the activated sludge type wherein the excess activated sludge is stored for several days prior to final disposal; in combination with an aeration tank comprising a plurality of separate compartments with means for intercommunicating them at will, means for introducing primary sludge into the aeration tank, a mechanical down draft aerator in each compartment, a final settling tank for separating out the activated sludge, means for conducting activated sludge and clarified liquid from the aeration tank to the settling tank, means for conducting excess activated sludge from the settling tank to at least one of said compartments for storage therein, and a bottom auxiliary aerator in such compartment positioned to aid the circulation caused by the mechanical aerator and supplied with auxiliary air.

2,254,954
HOUSING AND SUPPORT FOR GAS CYLINDERS
Irvin L. Tucker, Cedar Rapids, Iowa, assignor to Rapid Gas Corporation, Cedar Rapids, Iowa, a corporation of Iowa
Application July 24, 1939, Serial No. 286,228
3 Claims. (Cl. 221—73.5)



1. In a combined support and housing for gas cylinders, the cylinders including valves and tubing leading from the valves, a base, a standard projecting upwardly from the base and secured thereto, a T member forming a part of the supply line for the fuel secured to the standard near the upper end thereof, nuts by which the tubing from the valves are secured to the T member, and a cover pivotally mounted on the upper end of the standard, the cover being provided with recesses for receiving the valves and tubing, the cover also being formed and positioned to provide edges thereof for striking the aforementioned nuts while the cover is in the closed position to prevent rotation of the nuts.

2,254,955
TENSIONING AND GUIDE DEVICE FOR IRONING CORDS
Frank P. Yett, Jeannette, Pa.
Application December 12, 1940, Serial No. 369,799
2 Claims. (Cl. 248—51)

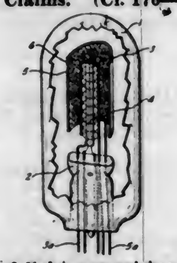


1. The combination with an iron cord, of a slack take-up and guide device therefor, comprising an upright member, means for connecting the lower end of the member to an ironing board, a bracket mounted on the upper end of said member, for swiveling movement on a vertical axis, a guide roller on said bracket, for supporting the cord, a stationary guiding bracket on the upright member, and having engagement with the cord, to guide the cord and prevent swaying thereof, and a weight carried by that portion of the cord which normally is below the guiding bracket.

2,254,956
LUMINESCENT MATERIAL
Gunther Aschermann, Berlin-Charlottenburg, Germany, assignor to General Electric Company, a corporation of New York
No Drawing. Application September 9, 1940, Serial No. 356,115. In Germany August 10, 1939
5 Claims. (Cl. 250—81)

1. A luminescent substance highly responsive to radiation having a wave length of 2537 Angstrom units and highly emissive in the range of approximately 3000 to 4800 Angstrom units, said substance being a silicate of a metal of the group consisting of aluminum, beryllium and magnesium, activated by an addition of up to 30 per cent by weight of cerium sesquioxide.

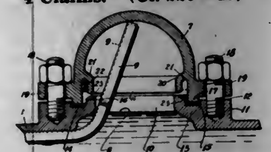
2,254,957
ELECTRIC SOURCE OF LIGHT
Zoltan Bay, Ujpest, and György Szigeti, Budapest, Hungary, assignors to General Electric Company, a corporation of New York
Application November 12, 1940, Serial No. 365,374
In Hungary October 23, 1939
11 Claims. (Cl. 176—1)



4. A source of light comprising a body of one

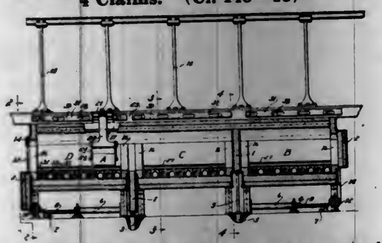
or more light-permeable carborundum crystals, and means for passing through said crystals a current insufficient to produce incandescence but sufficient to produce a substantial amount of visible radiation.

2,254,958
FLUID-TIGHT JOINT
Charles James Beaver, Bowdon, and Edward Leslie Davey, Timperley, England, assignors to W. T. Glover and Company Limited, Trafford Park, Manchester, England, a British company
Application February 28, 1938, Serial No. 192,984
In Great Britain March 17, 1937
4 Claims. (Cl. 220—46)



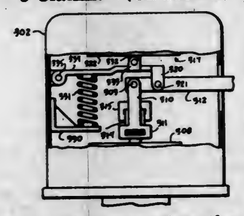
2. Apparatus for sealing a compression joint between a vessel for containing fluid under pressure having an aperture therein and a closure member for the aperture, which includes an open channel around the interior wall of the vessel with its bottom adjacent the inner side of said joint, the outer wall of said channel being formed by the inner wall of the closure above said joint and the inner wall of the channel extending upwardly above the level of the top of the joint, a second channel located in the closure member opening into the first channel and being positioned above the joint whereby sealing material contained in the second channel may flow into the first channel and be forced against the inside of the compression joint by the fluid in the vessel.

2,254,959
METHOD FOR HEAT TREATING STEEL DIE BLOCKS
Michael J. Gorman, Springfield, Mass.
Application April 18, 1940, Serial No. 330,239
4 Claims. (Cl. 148—16)



1. The method of preparing a heavy steel die block for quenching which consists in sinking the die pattern in its block before any hardening of the latter, heating the die block to a body temperature well below the temperature at which it may be easily damaged, then holding it in suspended condition in a furnace heated by burning gases which entirely surround the block, such gases being maintained as an "atmosphere" harmless to the metals of the block while such block is kept out of harmful heat conducting contact with the furnace parts, firing the furnace while maintaining these conditions until the block is raised to a uniform body temperature at or above that critical temperature which if then quenched the block will harden, then transferring said block to another furnace while maintaining the aforesaid conditions and firing the latter furnace to a temperature high enough above said critical temperature to cause the constituents of the steel to enter into that condition which if quenched afterward will give the block substantially its maximum hardness.

2,254,960
TEMPERATURE REGULATOR
John L. Harris, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application July 25, 1938, Serial No. 221,045
3 Claims. (Cl. 236—9)



1. In a device for operating the combustion controller of a space heater, in combination, a casing having a pair of wall portions facing each other, a first diaphragm means in said casing and having a stationary portion mounted adjacent one of said wall portions and a movable portion facing the other of said wall portions, means for varying pressure applied to said first diaphragm means in accordance with the temperature of the heater, a second diaphragm means in said casing and having a stationary portion mounted adjacent the other of said wall portions and a movable portion facing but spaced from said movable portion of said first diaphragm means, a lever arm having a portion extending within the space between the movable portions of said first and second diaphragm means, said lever arm being adapted for operating the combustion controller for the heater, a first pivot for said lever carried by said first diaphragm means, an auxiliary lever pivoted in said casing and adapted to be engaged by said second diaphragm means and rotated thereby, a second pivot for said lever carried by said auxiliary lever, said second diaphragm means containing a fluid causing expansion and contraction thereof upon change in temperature, and an electric heating element for locally heating said second diaphragm means and expanding the same when an electric current is passed through said element.

2,254,961
UNITARY LENS SYSTEM
Lawrence Harris, Brooklyn, N. Y., assignor to George M. Cressaty, New York, N. Y.
Application August 21, 1937, Serial No. 160,312
10 Claims. (Cl. 240—106.1)



1. A unitary lens body having a parabolic outer margin, the axis of revolution of the parabolic generatrix being tilted with respect to the normal axis of the lens body, the forward face of the body being formed as a central elliptical lens section, and an inclined annular margin be-

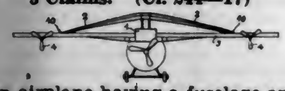
tween the central lens section and the parabolic surface, the inclination of the annular margin being on a plane passing through the normal focal point of the lens.

2,254,962
UNITARY LENS SYSTEM
Lawrence Harris and Ralph E. Bitner, New York, N. Y., assignors to George M. Cressaty, New York, N. Y.
Application September 22, 1937, Serial No. 165,182
7 Claims. (Cl. 240—106.1)



1. A lens unit having a well to receive a source of light, said lens also having a central refractive surface for paraxial rays, and an elliptical reflective surface and elliptical refractive surface for the marginal rays, all rays being projected in a single beam of light, both elliptical surfaces having the same virtual focus.

2,254,963
AIRPLANE
Abraham Nilsen Hovland, Bestun, near Oslo, Norway
Application January 21, 1939, Serial No. 252,226
In Great Britain January 24, 1938
3 Claims. (Cl. 244—17)



1. In an airplane having a fuselage and a propeller, the combination of transverse supporting wings rotatably mounted on said fuselage, a vertical support for said wings, one of said wings being tiltable about its longitudinal axis, means for tilting said tiltable wing, means for rotating said supporting wings whereby said airplane may ascend and descend under the influence of said rotating wings, means for locking said wings against rotation whereby the latter assume their normal transverse position, and a stabilizing rotor above said supporting wings, adapted to stabilize the airplane during the transition of said wings from rotational movement into fixed transverse position.

2,254,964
INSULATING MEANS FOR HEATED BODIES
Harry E. Kettlewell, Findlay, Ohio
Application October 19, 1938, Serial No. 235,917
3 Claims. (Cl. 220—15)



3. Means for insulating a cylindrical heated body comprising a plurality of spacing members secured to said body in circumferential rows extending around the body providing circumferentially aligned supports with intermediate unobstructed insulating spaces, the supports adjacent the ends of said casing having a longitudinally extending supporting surface and spaced foot portion welded to the body, said longitudinally supporting surface extending beyond the foot portion and being angularly bent providing supports spaced from the end of said body, separate cover plates secured to said end supports, a plurality of sectional casing sheets secured to said spacing members and extending circumferentially of said body leaving an open filling opening between adjacent spacing members along one longitudinal side portion of said body, a loose fill of expanded mica insulation adapted to be poured through said filling opening for filling said chamber between said body and casing, and longitudinally disposed cover means removably secured to said adjacent spacing members along the longitudinal side portion to provide a closure for said filling opening, a portion at least of said casing sheets being of air-pervious material to provide ventilation to said chamber and prevent condensation of moisture therein.

2,254,965
PROCESS FOR THE DYEING OF FIBROUS MATERIALS
Walter Kling, Ernst Goette, Kurt Heide, and Herbert Gerstner, Chemnitz, Germany, assignors, by mesne assignments, to "Patchenl" Aktiengesellschaft zur Beteiligung an Patenten und sonstigen Erfindungsrechten auf chemische Verfahren, Zurich, Switzerland, a Swiss corporation
No Drawing. Application September 18, 1934, Serial No. 744,606. In Germany September 22, 1933
9 Claims. (Cl. 8—22)

1. A process of dyeing fibrous materials with direct or acid dyes which comprises pretreating the material with a bath containing a substance yielding surface active cations, and thereafter dyeing the material in a dye bath to which is added a smaller quantity of a substance yielding surface active anions.

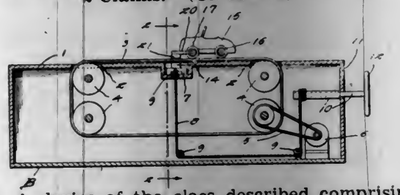
5. A process of dyeing animal and vegetable fibers in approximately the same shade which comprises treating such material with the dye in the presence of a substance yielding surface active cations and a smaller quantity of a substance yielding surface active anions.

2,254,966
COMBINED CLOTHING BUTTON AND SIGNAL DEVICE
Johannes A. H. Lang, Mattapan, Mass.
Application September 12, 1939, Serial No. 294,544
2 Claims. (Cl. 88—80)



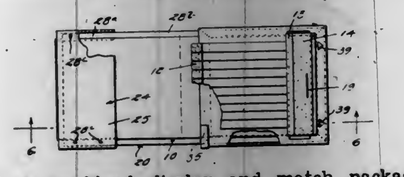
1. In combination with a clothing button of a type provided with a back plate for confronting and buttoned relation with a section of clothing and with said plate provided with a frontal marginal flange extending away from said plate and ordinarily adapted to maintain a front ornamentation in prejacent relation with the plate for concealing the front face of said plate, a lens substituted for said ornamentation and positioned prejacent said plate for concealing the front face of said plate and characterized by a reflective area for reflecting light rays projected thereon for indicating the presence of the wearer of the clothing, and a circumlental ring circumjacently secured on said flange and fashioned with an inwardly extending bead disposed in appressed relation with the margin of said lens and securing the latter in fixed relation with said plate and flange and defining said area.

2,254,967
MECHANICAL TOY
John S. Larkins, Jr., Scotia, N. Y.
Application March 19, 1941, Serial No. 384,165
2 Claims. (Cl. 46—45)



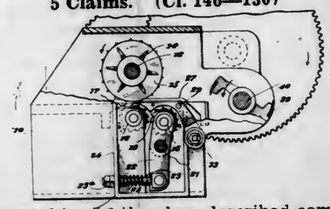
1. A device of the class described comprising in combination a movable member, a slide supported below said member for movement in a direction transverse to the direction of travel thereof, means for moving said slide, a magnet mounted on the slide, a body to be freely mounted on the movable member in advance of the slide, said body including a steering axle and a second magnet operatively supported by the axle in advance thereof, said second magnet being attracted by the first magnet as the movable member carries the body toward the slide to turn the steering axle in a direction and to an extent dependent upon the relative spacing of the two magnets in a direction transverse to the direction of travel of the movable member.

2,254,968
COMBINED DISPLAY AND MATCH PACKAGE HOLDER
Gerhardt O. Lebrenz, North Tonawanda, N. Y.
Application October 24, 1940, Serial No. 362,649
7 Claims. (Cl. 206—33)



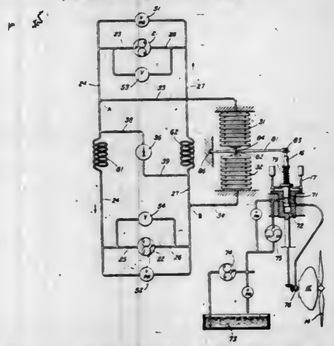
1. A combined display and match package holder comprising a bendable carrier adapted for disposing against the outer face of the bendable body part of a match package, a clamp adapted to removably connect an end portion of the carrier to an end portion of the body part of the match package, a combined clamping and display holding element adapted to connect the other end portion of the carrier to the other end portion of the body part of the match box, said element including an inner and an outer side, said outer side being in the form of a frame disposed on the outer face of the carrier for removably securing the object to be displayed against said face, and said inner side being in the form of a sheet-like body adapted to extend across the inner face of the said other end portion of the body part of the package, the said inner and outer sides being so related for connecting said carrier to the body part of the package.

2,254,969
COMBINED CUTTER AND SCRAPER
Clinton Lindsey, Salem, N. J.
Application November 6, 1939, Serial No. 303,155
5 Claims. (Cl. 146—130)



1. A machine of the class described comprising a frame, a feeding means therefor, stripping means comprising a stripping roll located directly below the feeding means and an adjustable roll located in substantial parallel relation with respect to said first mentioned roll, said adjustable roll being rockably supported adjacent the first mentioned roll, an adjusting lever engaging the adjustable roll and having a depending end, an adjusting link engaging said frame for limiting the swinging of said lever in one direction and also limiting the movement of the adjustable roll with respect to the first mentioned roll, and a spring carried by said link for yieldably holding the adjustable roll in an adjusted position and at the same time permitting said adjustable roll under excess pressure to move away from the first mentioned roll.

2,254,970
ENGINE SYNCHRONIZATION
Charles I. MacNeil, Glen Ridge, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application September 20, 1940, Serial No. 357,642
6 Claims. (Cl. 60—97)



1. In combination with a pair of engines, at least one having speed regulating means associated therewith, a pair of fluid pumps rotatable with said engines, one at a speed corresponding to one engine, the other at a speed corresponding to the other engine, means responsive to a difference in the pressures developed by said pumps to change the setting of said speed regulating means, said last-named means comprising fluid

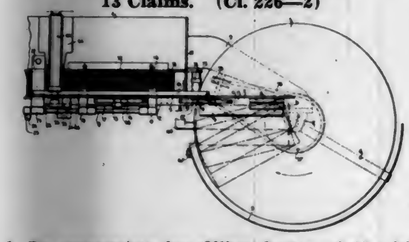
conduits connecting the inlet of each pump with the outlet of the other, fluid receiving means in communication with one of said conduits, additional fluid receiving means in communication with the other of said conduits, a mechanical linkage connecting said fluid receiving means with said speed regulating means, said linkage being held against movement by the equal and opposing pressures of said fluid receiving means, so long as said engines remain synchronized, means for cutting off the flow of fluid in each of said fluid conduits, and manually operable means in circuit with both said fluid receiving means to regulate the pressure therein manually during those periods when fluid flow in said fluid conduits has been cut off by operation of said cut-off means.

2,254,971

PACKING MACHINE

Desmond Walter Molins and Frank Parry, Deptford, London, England, assignors to Molins Machine Company Limited, Deptford, London, England

Application March 22, 1939, Serial No. 263,562
In Great Britain April 6, 1938
13 Claims. (Cl. 226—2)



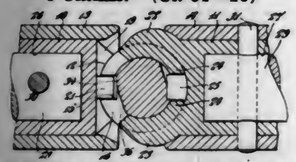
1. In apparatus for filling boxes of the kind described, a support for fanwise arranged boxes, said support being continuously rotatable in one direction about a fixed axis, a transfer device adapted to engage a closure element of the leading box on the support and to move the box transversely to the direction of movement of the support and away from the axis of rotation of the support to separate the leading box from the others, and a locating device to locate the closure flap of the leading box in position to be engaged by the transfer device and substantially to arrest the movement of the boxes on the support.

2,254,972

UNIVERSAL JOINT

Arthur John Mollart and John Charles Hendra, Surbiton, England

Application May 29, 1940, Serial No. 337,906
In Great Britain June 24, 1939
5 Claims. (Cl. 64—16)



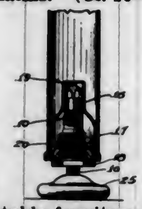
1. A universal joint comprising a pair of forked members, to and from which, respectively, the drive is taken, a ball member formed with a pair of circumferential grooves disposed in planes mutually at right angles, a pair of fork arms formed integrally with each forked member and arranged to embrace the ball member, engaging with the corresponding groove thereof through more than 180° so that the tips of the fork arms are spaced apart by a distance less than the bottom diameter of the said groove, and a locally deepened portion in one of the grooves of the ball member, produced by forming a flat in the base of the groove, which flat is directed obliquely with respect to the general plane of the other circumferential groove, so as to permit the forked members to be assembled upon the ball member while the axes of said forked members are disposed at an inclination, with an included angle substantially greater than a right angle.

2,254,973

ADJUSTABLE CASTER CONSTRUCTION

Charles R. Nalle, Philadelphia, Pa.

Application April 19, 1940, Serial No. 330,601
2 Claims. (Cl. 16—19)



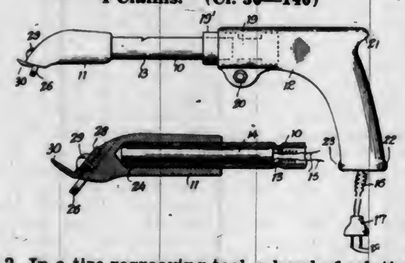
1. In an adjustable furniture caster or glide, a threaded stem having a ground-engaging support at its lower end, a tubular socket member for adjustably receiving said stem and adapted for insertion in a bore in the leg of an article of furniture, said socket member being interiorly threaded over a portion of its length for engagement with the stem and having its upper end closed, and a downwardly tapered projection extending from the upper end closure of said socket member within the extreme upper part of said member, the lower end of said tapered projection being of extremely small area and being engageable by the upper end of said stem to limit the upward adjustment of the stem relative to the socket member, there being possible only negligible frictional engagement between said projection and the upper end of the stem owing to the extremely small area of the lower end of said projection which can engage the upper end surface of said stem, whereby binding engagement between the threaded portions of the stem and socket member is effectively prevented.

2,254,974

TIRE REGROOVING TOOL

Eugene Olson and Edgar S. Johnson, Chicago, Ill., assignors to Triangle Tire & Battery Service, Chicago, Ill., a partnership

Application March 30, 1939, Serial No. 265,028
4 Claims. (Cl. 30—140)



2. In a tire regrooving tool, a head of relatively soft heat-conducting metal, cutting means carried by said head, and a detachable guide member of relatively hard metal located centrally of the front end of said head for the purpose described.

2,254,975

MATERIAL FOR PEN TIPS

Milton R. Pickus, Janesville, Wis., assignor to The Parker Pen Company, Janesville, Wis.

No Drawing. Application September 9, 1940, Serial No. 356,045
7 Claims. (Cl. 75—136)

1. As a product of manufacture, a material for pen tips, which comprises, a hard corrosion resistant material consisting predominantly of platinum carbide and containing a relatively soft metal.

2,254,976

MANUFACTURE AND PRODUCTION OF FINE METAL AND ALLOY POWDERS

Alan Richard Powell, London, England, assignor to Johnson, Matthey & Company, Limited, London County, England, a British company

No Drawing. Application October 27, 1938, Serial No. 237,320. In Great Britain December 20, 1937
4 Claims. (Cl. 75—0.5)

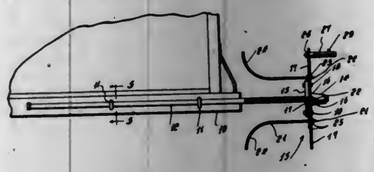
1. A process of producing in the form of fine powder a metal capable of being produced from its compounds by a conversion operation at a temperature below its melting point, which consists in forming by coprecipitation from a solution of suitable salts an intimate mixture of a water-insoluble compound of the metal and a distributing agent which prevents aggregation of the particles of the metal and is capable of being removed without detriment to the metal, subjecting the coprecipitated mixture to the conversion operation for converting the whole of the metallic content into a fine metallic powder and then removing the distributing agent.

2,254,977

WIRE REEL

Rudolph Prang, Hurdsfield, N. Dak.

Application August 15, 1940, Serial No. 352,791
3 Claims. (Cl. 242—113)



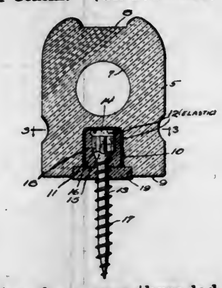
2. A reel comprising a stationary shaft having a secured end and a free end, a hub rotatably and removably mounted on the free end of the shaft, a plurality of bars secured to and projecting radially from the hub and forming one end of the reel, means for clamping the corresponding ends of a plurality of rods to the bars, said bars having longitudinally spaced openings for selectively receiving the rods for adjusting the positions of the rods longitudinally of the bars for varying the diameter of the reel, said rods being disposed transversely to the bars and extending therefrom in the same direction and toward the secured end of the shaft, and said rods having outwardly curved free ends forming the opposite end of the reel.

2,254,978

SERVICE INSULATOR

George C. Price, Parkersburg, W. Va., assignor to Porcelain Products, Inc., Findlay, Ohio, a corporation of Ohio

Application December 8, 1937, Serial No. 178,806
1 Claim. (Cl. 174—165)



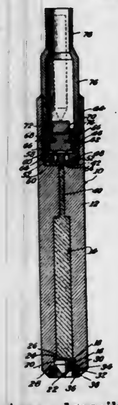
An insulator for screw-threaded attachment against a flat supporting surface, comprising an insulator body having a basal cavity and a recess of lesser diameter centrally of the cavity and extending inwardly therefrom, a screw having its shank in said recess and its point projecting outwardly from the base, a coating of yieldable material on said recess surface and on said screw shank, a body of cement filling the recess around the screw shank and a similar yieldable layer filling the cavity and overlying and merging with the material in the joints between the body of cement and the wall of the recess and screw shank.

2,254,979

SCREEN CLEANING GUN

Clarence A. Ricou, Shreveport, La., assignor to Petroleum Increase Corporation, Carthage, Tex., a corporation of Texas

Application October 9, 1939, Serial No. 298,725
1 Claim. (Cl. 166—20)



A gun of the type described adapted to be lowered into a perforated liner comprising a body having a longitudinal bore constituting an explosion chamber, said bore extending through the lower end of the body, a closure means for the lower end of said bore, a firing bore communicating with said explosion chamber, explosive material in said firing bore and said explosion chamber, means for firing the explosive adjacent said firing bore for firing the explosive in said explosion bore to rupture said closure means and

direct the forces of explosion into the fluid adjacent said liner for removing accumulations thereon, said firing means including a plurality of primer caps and impact responsive firing pins for firing the caps, a tubular member for lowering the gun, including a perforated section in the tubular member, sealing discs inside said perforated section for sealing the tubular member and said gun, and a go-devil for rupturing said discs and for striking said firing pins, said perforated section constituting an inlet for fluid after rupturing of at least one of said discs to permit the fluid to rise in said tubular member.

2,254,980
METHOD OF CLEANING TUBES AND THE LIKE
Clyde E. Simmons, Washington, D. C.
No Drawing. Application May 3, 1937, Serial No. 140,570
5 Claims. (Cl. 141—1)

1. A method of removing mineral deposits from the interior of tubes formed of metal having a high co-efficient of expansion by utilization of the difference between the co-efficients of expansion and contraction of the deposits and the tubes, which consists in rapidly cooling said tubes by filling the same with a liquid at comparatively low temperature, causing said liquid to remain within said tubes until the same have acquired the temperature of the said liquid, forcing said liquid out of said tubes by applying thereto a steam jet, continuing the flow of steam until the temperature of the said tubes has been raised to the temperature of the said steam, and then flowing a liquid through said tubes.

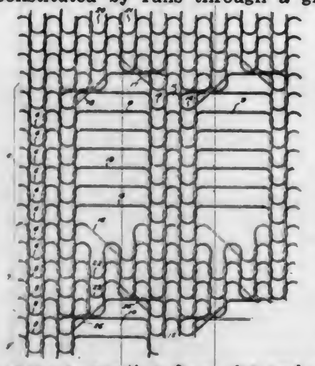
2,254,981
FISH LURE
Alexander Sisco, Kokomo, Ind.
Application April 10, 1939, Serial No. 267,071
7 Claims. (Cl. 43—39)



1. In a fish lure, a body having a bowed forward end portion including a forwardly and upwardly curved forward portion having a slot, a hook carried by the body, means for keeping weeds away from the hook, and a swivel swingingly connected with the body and extending through the slot, said swivel having an eye for receiving a line and being laterally movable in the slot for imparting a zigzag movement to the body in motion, said forwardly and upwardly curved portion of the bowed portion causing upward movement of the forward end of the body and downward movement of the rear end of said body in motion.

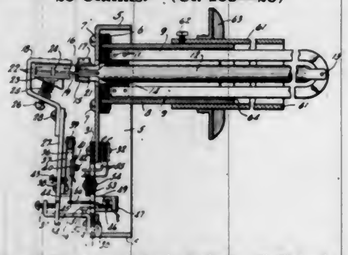
2,254,982
TWO-WAY STRETCH STRAIN ABSORBING BAND WITH ELASTICALLY CLOSED RELAXED MESHES
Howard B. Snader, Temple, Pa., assignor to Vanity Fair Silk Mills, Reading, Pa., a corporation of Pennsylvania
Application July 25, 1939, Serial No. 286,470
10 Claims. (Cl. 66—172)

1. In a knit stocking of the strain absorber type, a strain absorbing band integrally knit in the stocking above the knee, the fabric of said band including a plurality of groups of courses of elastic yarn separated by a group or groups of courses of inelastic yarn, said fabric being provided with circumferential series of meshes, each mesh constituted by runs through a group of



elastic yarns emanating from dropped stitches in said group of elastic yarns, said meshes being locked at one end by loops transferred from the wales of said runs, and said meshes being closed at the other end by a bar of elastic yarn resulting from one of said dropped stitches.

2,254,983
BURNER CONTROL SYSTEM
Virgil Robins Tate, Milwaukee, Wis., assignor to Perfex Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application October 24, 1938, Serial No. 236,655
23 Claims. (Cl. 158—28)

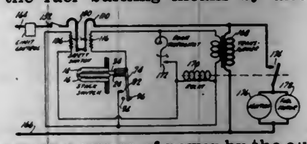


1. In a burner control system of the class described, a burner motor, means for initiating the operation of the motor, a thermal element, a heater for said thermal element for actuating the same, a latch member released by the operation of the thermal element, combustion responsive means mechanically connected with said thermal element for operating the same in response to combustion conditions for maintaining the latch in restraint, said latch also released by the independent operation of the combustion responsive means when the thermal element is not actuated, and a switch controlled by the movement of the latch for disconnecting the burner motor.

2,254,984
BURNER CONTROL SYSTEM
Virgil Robins Tate, Milwaukee, Wis., assignor to Perfex Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application October 24, 1938, Serial No. 236,656
29 Claims. (Cl. 158—28)

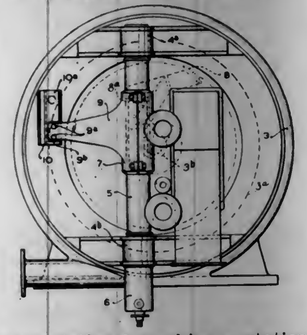
1. A burner control system comprising means

for burning fuel, a manually reset safety switch for controlling the fuel burning means, an automatic means for additionally controlling the fuel burning means, an actuator for the safety switch, a motivating heater for the actuator, said heater being energized independently of the energization of the fuel burning means by direct con-



nection across a source of power by the automatic means, a second actuator for the safety switch responsive to combustion conditions, and a latch for the safety switch having two releasing positions operated by the first and second actuators whereby relative motion between the two actuators in either direction greater than a predetermined amount will open the safety switch.

2,254,985
APPARATUS FOR EMPTYING CENTRIFUGES
Pieter van Riel, Delft, Netherlands, assignor to Machinefabriek Reineveld, N. V., Delft, Netherlands, a company of the Netherlands
Application December 6, 1939, Serial No. 307,901
In the Netherlands December 14, 1938
2 Claims. (Cl. 233—22)



1. In a centrifugal machine, a stationary casing, a drum mounted on a substantially horizontal shaft for rotation within the casing, a rod adapted for lengthwise rectilinear sliding movement in a direction substantially at right angles to the drum shaft, braces on the casing on either side of the shaft for guiding the rod in its lengthwise movement, a knife holder rigidly attached to the rod intermediate said braces, a scraper knife carried by the holder, said knife extending into said drum and having its cutting edge disposed parallel and in close proximity to the inner surface thereof, an arm rigidly attached to the rod intermediate the braces and extending at substantially right angles to both the shaft and the rod, and a runway on the casing for guiding the free end portion of the arm in parallel relation with the rod so as to prevent rotation of the rod about its own axis.

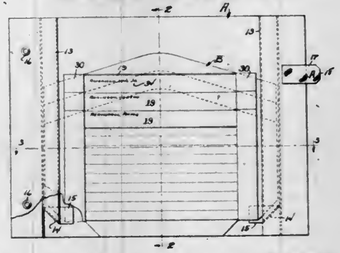
2,254,986
TARGET
Max Ziel, Oswego, N. Y.
Application February 21, 1939, Serial No. 257,756
7 Claims. (Cl. 273—26)

1. A target of the character described comprising a single vertical support, and a flexible sheet reversibly suspended from the upper end of said support at one side thereof and having visible images indicative of a baseball catcher in a ball receiving position and batter in a ball striking position, respectively, imitative of those in an actual game of baseball at opposite faces thereof,



the images being effective for a reverse stance on a reversal of the sheet, the said sheet being provided with openings in association with the image indicative of the baseball catcher and distributed relative thereto for accommodating a ball when thrown to be indicative of a strike or ball count in an actual game of baseball.

2,254,987
LOOSE-LEAF FILING INDEX
William F. D. Ackermann, Kaylor, S. Dak.
Application March 9, 1939, Serial No. 260,870
2 Claims. (Cl. 129—16)

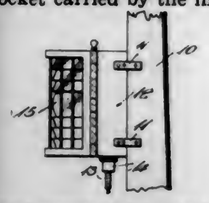


1. A card holder for a loose-leaf filing index, comprising a cut and folded body formed from a single sheet of relatively stiff fibrous material providing a backing portion and a racking frontal portion forwardly of and swingable on a horizontal axis relative to said backing portion, a leg extended below the axis of the swingable frontal portion, racking pleats at opposite ends of the frontal portion and disposed forwardly thereof, runner wings at opposite ends of the backing portion, and lips turned inwardly and upwardly rearwardly of the backing portion for effecting stops at the lower ends of the pleats.

2,254,988
MARINE LIGHT
George W. Adams, Norfolk, Va.
Application August 23, 1939, Serial No. 291,607
1 Claim. (Cl. 240—7.5)

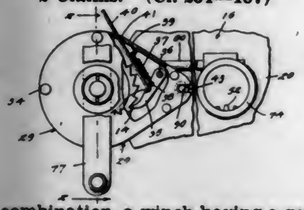
A mount for an electric marine light, compris-

ing an open casing having a bottom, top, and side walls, electric terminals in said casing, a moisture proof entrance for current carrying wires in said bottom wall, a continuous inwardly-directed flange carried by said walls inwardly of the free edges thereof, a cover for said casing seated on said flange, a moisture proof sealing gasket between said cover and flange, means removably connecting said cover to said flange, a plug-in socket carried by the inner surface of



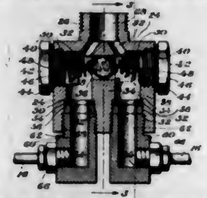
said cover and connected to said terminals, an opening through said cover over said socket, a lighting fixture including plug-in prongs removably inserted in said socket through said opening from the outside of said cover, a moisture proof seal between said fixture and cover around said opening, and means on said casing removably attaching a semi-cylindrical Fresnel lens to said casing outwardly of said cover, said lens covering said cover and enclosing said fixture.

2,254,989
SAFETY BRAKE FOR WINCHES
Jesse M. Benson, Concord, Tenn.
Application March 25, 1940. Serial No. 325,906
2 Claims. (Cl. 254—187)



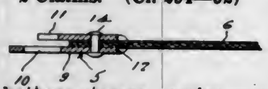
1. In combination, a winch having a gear housing at one end and a pair of cylindrical bushings carried by one end of said housing, a housing having an opening in a wall thereof in which one of said bushings is adapted to removably engage, a winch operator shaft journalled in said second housing and projecting laterally thereof through said opening for engagement in a selected bushing, an operating element carried by said shaft, a laterally projecting pin carried by said gear housing between said bushings, said second housing having a slot to receive said pin for holding said second housing against rotation relative to said gear housing, a braking element fixed to said shaft and disposed in said second housing, a second brake element threadedly engaging said shaft and disposed in said second housing, an intermediate brake element between said first and second brake elements and loose relative to said shaft, a spring about said shaft constantly urging said intermediate brake element into contacting relation with said second brake element, an abutment fixed relative to said shaft and limiting the endwise movement of said second brake element in one direction, a ratchet fixed to said intermediate brake element, a spring-pressed pawl pivotally carried by said second housing for holding said ratchet against rotation in one direction, and a crank fixed to said second brake element, rotation of said crank in a direction to thread said second brake element inwardly on said shaft locking all of said brake elements together, and rotation of said crank in the opposite direction to unthread said second brake element releasing said brake elements whereby said shaft may simultaneously rotate in said opposite direction in proportion to the rotation of said crank in said opposite direction.

2,254,990
AUTOMATIC SAFETY VALVE FOR HYDRAULIC BRAKES
Rudolph H. Blank, Treadwell, N. Y.
Application July 17, 1939, Serial No. 284,959
9 Claims. (Cl. 303—84)



1. In a hydraulically operated braking system of the type wherein liquid lines connect a master cylinder with a plurality of braking cylinders, a valve unit having a brake fluid inlet connection with the master cylinder and individual brake fluid outlets communicating with said lines, valve seats associated with the fluid outlets, a valve element support located above said valve seats, a valve element normally carried by said support, and yielding means for supporting the valve element in its normal position on said support, said yielding means and said valve element being responsive to variable pressures in the fluid outlets to permit said valve element to move off said support and drop onto the valve seat associated with the low pressure side of the valve unit.

2,254,991
STORAGE BATTERY CARRIER
Edward T. Breeden, Fort Dodge, Iowa, assignor of one-half to Helmuth L. Rumme, Fort Dodge, Iowa
Application November 18. 1940. Serial No. 366,159
2 Claims. (Cl. 294—92)

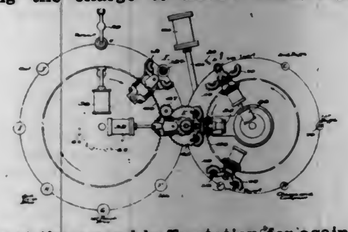


1. In a battery storage carrier comprising a strap type handle, terminal engaging elements each including an elongated plate-like portion having a notch at one end and an opening adjacent its opposite end and a slot substantially intermediate its ends and bent upon itself to bring the notched end substantially in alignment with the opening, said slots of the plate-like portions receiving end portions of the handle, and means for securing the end portions to the plate-like portions and for retaining the latter in the bent formation.

2,254,992
MACHINE FOR AND METHOD OF FORMING HOLLOW GLASSWARE
Edward G. Bridges, Anderson, Ind., assignor to Lynch Corporation, Anderson, Ind., a corporation of Indiana
Application November 30, 1937, Serial No. 177,335
6 Claims. (Cl. 49—9)

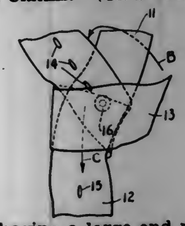
1. A glassware forming machine of the type

referred to comprising a parison mold carrier, a plurality of invertible parison molds mounted thereon, means for intermittently moving said carrier to present said parison molds successively to charging, first baffle, second baffle, reheating and transfer stations, means adjacent the charging station for initially shaping a charge of glass in a parison mold, means at the first baffle station adapted to engage opposite ends of the mold for confining the charge therein and for counterblowing the charge to hollow form, separate



means at the second baffle station for again confining the charge and again expanding the counterblown charge to set the glass of the thus-formed parison, means for disengaging the parison mold from the parison adjacent the reheating station, means operative following the disengagement of the parison mold from the parison for shortening the length of the parison thus formed, a finishing mold, means for subsequently transferring the parison to the finishing mold, and means for blowing the article to finished form in the finishing mold.

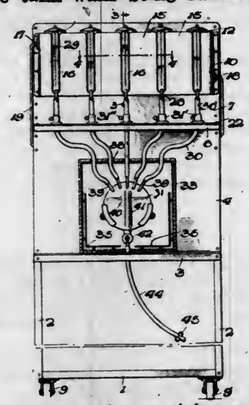
2,254,993
NECKTIE
Fred O. C. Brown, Grand Rapids, Mich.
Application July 3, 1939, Serial No. 282,641
4 Claims. (Cl. 2—146)



1. In a tie having a large end portion, a small end portion and a neck encircling part therebetween, the combination of, a button hole located on the finished side of the tie adjacent the juncture of the small end portion and the neck part adjacent thereto, a plurality of button holes longitudinally spaced along the tie at the opposite end of the neck part, any one of these holes being capable of receiving a collar button, the said holes being laterally located from the seam of the tie for the purpose described.

2,254,994
TRANSFUSION APPARATUS
Ralph A. Butland, Lowell, Mass.
Application November 6, 1939, Serial No. 303,159
3 Claims. (Cl. 128—214)

2. In a transfusion apparatus, a container provided with a projecting rib and adapted to contain and dispense a therapeutic agent, and a supporting and heating unit for said container and the contents thereof, embodying a tank for receiving therein a heating medium for circulation therethrough and the walls of said tank arranged to support and substantially envelop said container, the tank walls being further formed to



provide an opening for receiving and exteriorly exposing the projecting rib on the container, and a valve controlled drainage outlet in said container for dispensing the contents thereof.

2,254,995
ACETYLENE GAS GENERATOR
Mont C. Chadbourne, Holden, Wash.
Application May 10, 1939, Serial No. 272,925
1 Claim. (Cl. 48—22)



An acetylene gas generator comprising a tank to contain water to be mixed with the carbide, a cylinder located within the tank to leave an annular chamber and extending to near the bottom of the tank to form a water seal for the annular chamber, a cylinder of smaller diameter located within the aforementioned cylinder and terminating some distance above the lower end thereof to contain the carbide, said cylinders projecting above the top of the tank at the center portion thereof, a valved vent leading from the annular water chamber through the top of the tank, and chambers at o ppsite sides of the cylinder extensions into which the gas is conducted from the inner cylinders from one to the other of said chambers, one of the chambers receiving the gas from the generator and having a discharge pipe for condensation extending from the lower end thereof into the body of water in the tank, and the other chamber having a body of water in which the gas is discharged through a check valve included in the pipe connection

from the other cylinder, a by-pass pipe between the vent valve and pipe connections leading to the aforementioned chambers at opposite sides of the apparatus, and a control valve in the by-pass pipe, said last mentioned chamber having filtering material above the body of water confined between an imperforate plate and a perforated plate, with a discharge pipe for the gas extending upwardly from the imperforate plate and a drain pipe extending downwardly from the imperforate plate through the filtering material to near the perforated plate to carry off condensation from the upper portion of the chamber from which the gas is discharged from the generator.

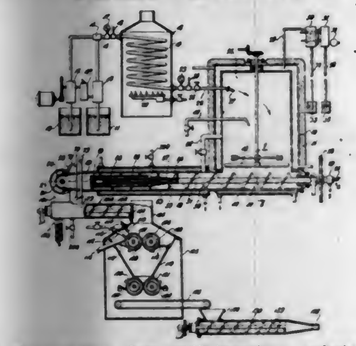
2,254,996

METHOD AND APPARATUS FOR MAKING AND PROCESSING SOAP

Benjamin Clayton, Houston, Tex., assignor to Refining, Inc., Reno, Nev., a corporation of Nevada

Original application January 5, 1937, Serial No. 119,168. Divided and this application December 7, 1938, Serial No. 244,460

3 Claims. (Cl. 252—367)



1. Apparatus for withdrawing substantially anhydrous soap in molten, plastic, or semi-plastic condition from a chamber and cooling said soap, which comprises, a soap conducting housing communicating with said chamber, means for moving a stream of soap from said chamber along said housing, means for sealing said housing to seal said chamber from the atmosphere during withdrawal of said soap, including stationary pipe means extending across the space of said housing adjacent the outlet thereof to form a grid through which said soap is moved, and means for circulating a cooling medium through said pipe means to cool said soap.

2,254,997

PIPE COUPLING

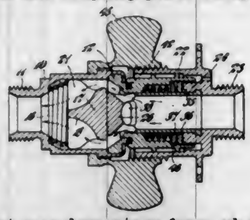
Reginald John Fisher, London, England, assignor to Avery Equipment Limited, London, England, a British company

Application November 2, 1939, Serial No. 302,586

In Great Britain December 10, 1938

7 Claims. (Cl. 284—19)

1. A pipe coupling comprising two coupling parts to be brought into end to end engagement, an annular seating member in one of said engaging ends, a central valve body cooperating with said seating member, a fixed head forming the center of the other engaging member, a tubular support for said head, an annular valve member surrounding said head and slidable externally on said tubular support, said annular valve member bounding at one end an annular space around said tubular support, and means for admitting fluid from the coupling to said annular space to apply pressure to said valve member and urge it towards its seat, the engaging ends of the coupling parts being of substan-



tially exact complementary form when the valves are closed, whereby they may be brought into close abutment relationship over their whole surfaces, and the coupling parts subsequently moved toward each other to produce an opening of the valves.

2,254,998

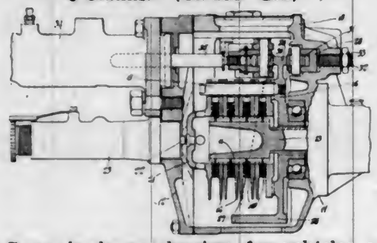
SERVO BRAKE MECHANISM FOR VEHICLES

Geoffrey Robert Greenbergh Gates, London, England, assignor of one-half to Automotive Products Company Limited, London, England

Application February 7, 1940, Serial No. 317,765

In Great Britain February 20, 1939

6 Claims. (Cl. 188—152)



1. Servo brake mechanism for vehicles comprising a shaft rotating with the driven road wheels of the vehicle, a rotatable disc, disconnectible friction coupling means between the shaft and the disc, a symmetrical face cam formed on one face of the disc, brakes on said vehicle, a brake operating rod coupled to said brakes, a follower on said brake operating rod engaging the face cam whereby movement of the rod to apply the brakes is produced when the friction coupling means are engaged, a circumferential track on the opposite face of the disc, said track being of substantially equal diameter to the face cam and lying in a plane perpendicular to the axis of the disc, and a roller mounted on fixed bearings and engaging the circumferential track, the cam follower and roller engaging the face cam and circumferential track respectively at points substantially on a common radius of the disc, whereby the disc is supported by the roller against the reaction in the brake operating rod.

2,254,999

SHEAR SHARPENER

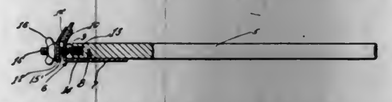
Edgar G. Gereau, Sioux City, Iowa

Application July 23, 1940, Serial No. 347,031

1 Claim. (Cl. 76—82.2)

In a device of the character described, a clamp for holding the blade of a pair of shears to facilitate the sharpening thereof, said clamp

comprising an elongated base having a socket in one end portion, a jaw body having an attaching plate secured to the bottom side of said base at the socketed end portion thereof, said jaw body further having openings therein one of said openings being in alignment with the socket in said base, an angularly disposed jaw extending from said jaw body, bolts extending through the other of said jaw body openings, a movable jaw body having openings therein mounted on said bolts with the bolts extending through the openings in said movable jaw body, nuts on the end



portions of said bolts for moving said movable jaw body toward said first named jaw body when said nuts are fed home on the bolts, a jaw on said movable jaw body opposed to said first named jaw, and a compression spring having one end portion engaged in said socket and extending through the aligned opening in said first named jaw body with its other end portion impinged against said movable jaw body to normally urge said movable jaw body away from said first named jaw body and open said jaws when said nuts are fed outwardly on said bolts.

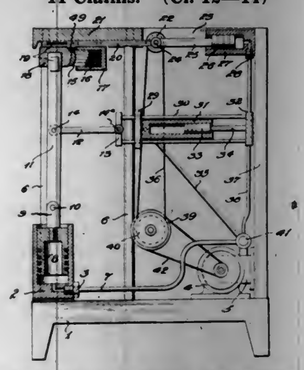
2,255,000

PRODUCTION OF BOOTS AND SHOES

Christian Haber, Hechingen, and Ernst Haumann, Stetten, near Hechingen, Germany

Original application April 23, 1936, Serial No. 76,052. Divided and this application October 6, 1939, Serial No. 298,322. In Germany May 3, 1935

11 Claims. (Cl. 12—14)



1. A device for finishing the uppers of shoes having stiffening insertions and a lining adhesively connected to the upper before the application of the upper to a last, comprising a mold resembling the last and adapted to receive the upper, a counter mold, a hydraulic pressure device for pressing said counter mold against the mold, a set of end-lasting wipers disposed above the mold, means for closing said wipers about the portion of the upper projecting above the mold and for vibrating said wipers during said closing movement, a counter plate arranged above said wipers, and a device for pressing the mold with the upper positioned thereon in a vertical direction toward said counter plate to level the lasted projecting portion.

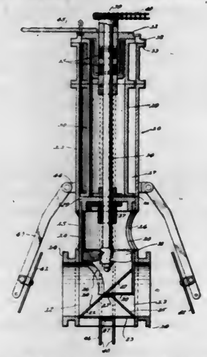
2,255,001

IRRIGATION PUMP

Holger Adolf Edvard Johnsen, Fort Lauderdale, Fla., assignor of one-half to J. B. Fraser, Fort Lauderdale, Fla.

Application September 9, 1940, Serial No. 356,056

4 Claims. (Cl. 103—3)



4. In an irrigation pump, a housing of substantially cylindrical formation having a plurality of outlet ports, said housing having a plurality of inlet ports located above said outlet ports, a pump casing rotatably mounted in said housing, said pump casing having a lower outlet port registrable with each of said housing outlet ports, the portion of said pump casing in the same horizontal area as its outlet port being imperforate so that flow could only occur to one outlet port of said housing in any flow position of the casing, said pump casing having an upper inlet port registrable with each of said housing inlet ports, the portion of said pump casing in the same horizontal area as its inlet port being imperforate so that flow could only occur to one inlet port of said housing in any flow position of the casing, a drive shaft journaled in the pump casing, a driven flow producing means mounted on said shaft between the inlet and outlet ports, and means associated with the pump casing for rotating said casing to change the positions of the casing inlet and outlet ports and thereby change the direction of flow through the pump.

2,255,002

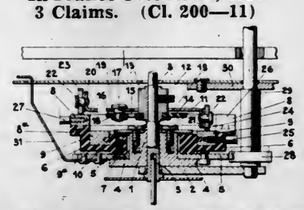
ROTARY ELECTRIC CONTACT MAKER

Charles Hilaire Henri Rodanet, Neuilly-sur-Seine, France, assignor to Société Anonyme: Jaeger-Aviation, Levallois-Perret, Seine, France

Application September 28, 1938, Serial No. 232,139

In France October 20, 1937

3 Claims. (Cl. 200—11)



1. In a rotary electric contact-maker comprising a frame provided with a central annular cylindrical projection for constituting a bearing, a central shaft journalled in said bearing, a first continuous conducting ring, a second conducting ring consisting of a plurality of electrically insulated segments, a support made of insulating ma-

terial axially perforated and rigidly supporting said rings which are co-axial with said shaft, in combination, friction means interposed between said support and the annular projection of the frame on which said support can rotate, a resilient insulating member secured on said central shaft, a rotary conducting element mounted on said insulating member, two rollers journalled at two opposite points on said conducting element and adapted to respectively press on the first ring and on the second ring when the central shaft is rotated, and means for rotatively moving said support for adjusting the position of said rings.

2,255,003
INDICATING POINTER
Charles Hilaire Henri Rodanet, Neuilly-sur-Seine, France, assignor to Société Anonyme: Jaeger-Aviation, Levallois-Perret, Seine, France
Application July 12, 1939, Serial No. 283,947
In France August 5, 1938
4 Claims. (Cl. 116—129)



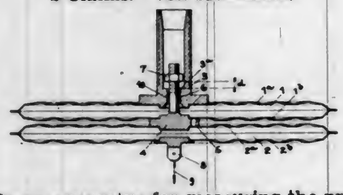
1. An indicating pointer for use upon an indicating apparatus including a unitary bar of substantially U-shaped cross section which is pivotally mounted at a point intermediate the extremities and has upon both sides of the pivotally mounted portion of the bar an open area in the web portion thereof extending limited distances along said bar toward said extremities.

2,255,004
PADDLE WHEEL
Charles Hilaire Henri Rodanet, Neuilly-sur-Seine, France, assignor to Société Anonyme: Jaeger-Aviation, Levallois-Perret, Seine, France
Application January 3, 1940, Serial No. 312,245
In France January 16, 1939
2 Claims. (Cl. 170—132)



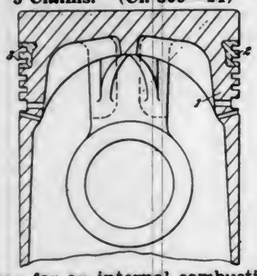
1. A paddle wheel particularly adapted for use on an aerial log, and having one or more blades, a rotatable shaft for said paddle wheel, a U-shaped hub rigid with said one or more blades having a bottom portion forming a part by which to secure said hub to the shaft, the branches or legs of said hub being capable of being distorted and bent about its line of attachment to the bottom portion of said hub in order to allow adjustment of the pitch of the blades, said hub and blades being formed from a unitary sheet of metal having the intermediate portion folded into a U-shaped hub while the blades form lateral extensions of the opposite sides of the branches or legs of said hub, means for urging said branches or legs toward each other tending to close the same including a screw and nut system, and means for urging the branches apart tending to open the same including a resilient means, the members of the screw and nut system each comprising a toothed head or flange combined with a stop or locking pin engaged therewith and fixed in perforations formed in the branches of the U-shaped hub.

2,255,005
MEASURING INSTRUMENT HAVING CAPSULES
Charles Hilaire Henri Rodanet, Neuilly-sur-Seine, France, assignor to Société Anonyme: Jaeger-Aviation, Levallois-Perret, Seine, France
Application May 14, 1940, Serial No. 335,084
In France June 2, 1939
2 Claims. (Cl. 137—156.5)



1. In an apparatus for measuring the pressure of fluids, of the type comprising distortable fluid-tight capsules, a first capsule having a wall centrally secured to a fixed conduit admitting the fluid the pressure of which is to be measured, a second capsule juxtaposed on the first one, a connection interposed between the central parts of the adjacent walls of both capsules for rigidly connecting said walls, said connection being perforated for causing the capsules to communicate together, a rod rigidly secured on said connection and adapted to extend within the conduit admitting the fluid in the first capsule, an abutment on said rod for limiting the distortions of the first capsule, and means on the outer wall of the last capsule of the series for allowing to connect the same to the usual indicating means.

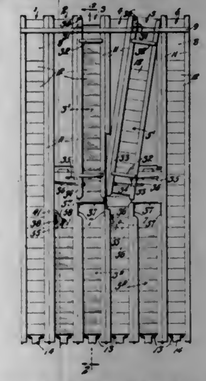
2,255,006
PISTON FOR INTERNAL COMBUSTION ENGINES
Eric Bradley Graham, Friern Park, North Finchley, London, England, assignor to Specialloid, Limited, London, England
Application October 5, 1937, Serial No. 167,462
In Great Britain September 28, 1936
5 Claims. (Cl. 309—14)



1. A piston for an internal combustion engine comprising a cylindrical body portion formed of a light metal alloy and a ring of an iron alloy

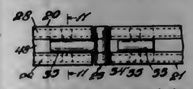
of an austenitic character engaged in the body portion at a position to function as a heat baffle between the head of the piston and the uppermost compression ring said iron alloy having a coefficient of expansion to heat which is between the limits of 10 per cent and 20 per cent less than that of the light metal alloy.

2,255,007
SHIFT CONTAINER VENDING MECHANISM
Robert Z. Greene, Glen Ridge, and Christian Gabrielson, Belleville, N. J., assignors to Rowe Manufacturing Co., Inc., New York, N. Y., a corporation of New York
Application September 23, 1938, Serial No. 231,290
6 Claims. (Cl. 312—67)



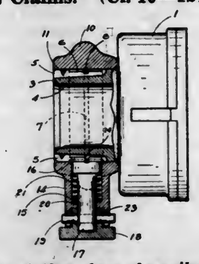
1. In a machine of the class described, and in combination, a plurality of chutes arranged in an alined series adapted to hold columns of articles to be vended, means for selectively discharging articles from the bottoms of columns so held, means for holding reserve supplies of articles adjacent the upper portions of some of said chutes, but not others of said chutes, and means responsive to depletion of articles in a given chute to a predetermined level to effect transfer of a reserve supply into the adjacent chute.

2,255,008
BRACELET
Henry Hargreaves, Providence, R. I., assignor to L. S. Peterson Company, North Attleboro, Mass., a partnership composed of Henry A. Peterson and Lester S. Peterson
Application June 14, 1940, Serial No. 340,509
5 Claims. (Cl. 63—7)



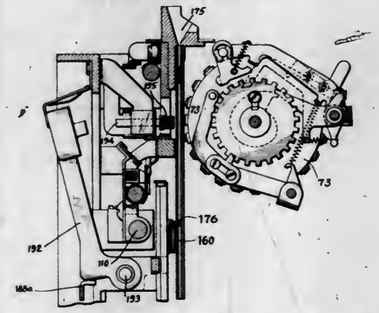
1. A bracelet structure comprising arcuate sections, longitudinally extending flanges at the marginal side edges of each section with the flanges directed inwardly toward each other on a continuous curve, a hinge member for securely connecting two adjacent ends of said sections together including hinge plates positioned between the flanges with the marginal edge portions of the hinge plates beneath the flanges at the opposite side edges of the associated section and the inwardly directed edges of said flanges in binding engagement with the top faces of the hinge plates, said hinge plates having recessed portions, and projections extending outwardly from the inwardly directed edges of said flanges and received by said recessed portions of said hinge plates for fixedly anchoring the hinge member to the bracelet sections.

2,255,009
RATCHET DIESTOCK
Carl H. Ingwer, Elyria, Ohio, assignor to The Ridge Tool Company, North Ridgeville, Ohio, a corporation of Ohio
Application October 20, 1939, Serial No. 300,445
7 Claims. (Cl. 10—124)



1. A device of the class described including a threading die body adapted to be rotated, a co-axial sleeve for said body for rotating the same, a plurality of grooves in said sleeve extending from the end of the sleeve to a point spaced from the body, means to be telescoped on the sleeve comprising an annular member having an opening, a pawl carried by said member and engageable in said grooves, and means carried by said sleeve for engagement with said pawl to lock said sleeve and said annular member together.

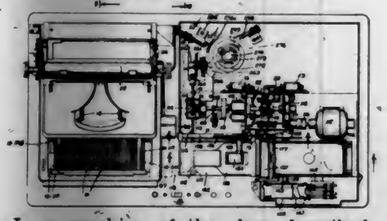
2,255,010
TIME RECORDER
Clair D. Lake, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application July 6, 1938, Serial No. 217,685
4 Claims. (Cl. 101—297)



4. A printing mechanism having a card receiver into which a record card may be inserted by an operator to receive an imprint, comprising, in combination, a card controlled member, a normally idle motor and a one revolution clutch adjacent thereto, transmission from the card controlled member to said clutch operated by the inserted card to engage the clutch, and concurrently to call in the motor for operation to drive the clutch through one revolution, type elements located on one side of the card receiver and a normally retracted platen on the other side for forcing the inserted card against the

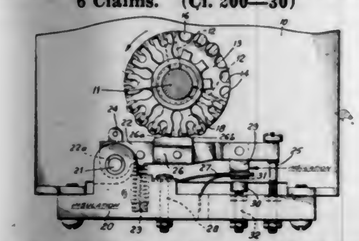
type elements to effect printing, a normally cocked impelling means for moving said platen toward the type elements, means controlled by the clutch in the motor for releasing the impelling means from its normally cocked position substantially at the very beginning of the revolution of the clutch for effecting printing and to restore said impelling means positively to the cocked position after printing has occurred.

2,255,011
RECORDING MACHINE
Clair D. Lake, Binghamton, and Francis E. Hamilton, Endicott, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application August 31, 1938, Serial No. 227,784
32 Claims. (Cl. 197—20)



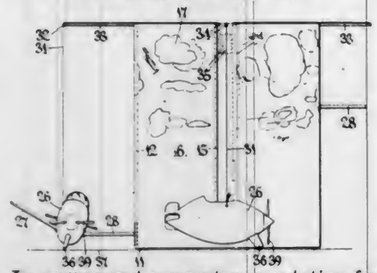
1. In a machine of the class described; the combination of means for feeding records bearing data designations, recording means, means controlled by the data designations of the records for operating the recording means to record the data on a sheet, means for varying the speed of the record feed, means for tabular spacing the sheet, and a program means including a movable part operatively connected to the feeding means for actuation in synchronism with the feed of the records and means coacting with said part for controlling operation of the record feed varying means and the tabular spacing means.

2,255,012
CIRCUIT BREAKER
Clair D. Lake, Binghamton, and Wesley Pfaff, Union Center, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application September 13, 1940, Serial No. 356,580
6 Claims. (Cl. 200—30)



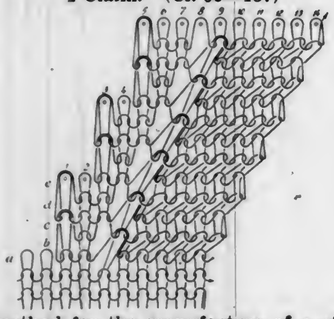
1. Electrical circuit controlling apparatus comprising a support, an arm loosely pivoted to the support so as to be capable of both oscillatory and translatory movement with respect to said support, a movable contact and a stationary contact each carried by the support and engageable one with the other for completing an electrical circuit, spring means for biasing the movable contact normally against the arm and away from the stationary contact, a second spring means for biasing the arm to a normal position at its pivot, a plurality of cam elements, and a rotatable disk having recesses therein to receive the cam elements in a predetermined relationship for engagement with the arm during rotation of the disk, said arm, upon being engaged by a cam element, first being rotated to force the moveable contact into engagement with the stationary contact against the bias of the first mentioned spring means and then being displaced from the normal position at its pivot point against the bias of the second spring means to insure positive closure of the contacts.

2,255,013
AMUSEMENT APPARATUS
Hyla F. Maynes, North Tonawanda, N. Y., assignor of one-half to Emma C. Maynes, North Tonawanda, N. Y.
Application November 28, 1940, Serial No. 367,586
5 Claims. (Cl. 272—7)



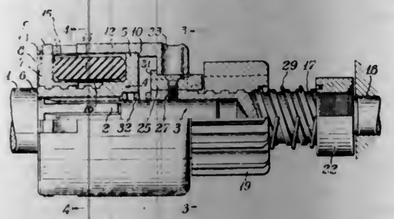
1. In amusement apparatus, a rotating framework having substantially upright trackways, airplane simulating passenger carriages and means for mounting them upon said framework for substantially vertical movements on said trackways, said mounting means including means supporting the carriages for tilting movements about substantially horizontal axes to cause them to assume climbing and diving attitudes, and passenger controlled means for effecting such vertical movements of the carriages and for causing them to assume a climbing attitude when ascending and a diving attitude when descending.

2,255,014
PRODUCING STOCKINGS IN A SINGLE OPERATION
Kurt Röder, Chemnitz, Germany
Application November 29, 1940, Serial No. 367,804
In Germany December 8, 1939
1 Claim. (Cl. 66—187)



A method for the manufacture of a stocking in a single operation on a flat knitting machine in which the heel parts are formed while the loops of the middle portion are placed in suspense with outer groups of loops in said heel parts being transferred outwardly in alternate courses only, which comprises retaining in intervening courses the loops on the innermost needles of the groups of needles from which loops are to be transferred in said alternate courses to form tuck or double loops whereby the innermost loop in each group of transferred loops is a double loop.

2,255,015
ENGINE STARTER GEARING
Youston Sekella, Elmira Heights, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application February 6, 1940, Serial No. 317,566
6 Claims. (Cl. 74—7)



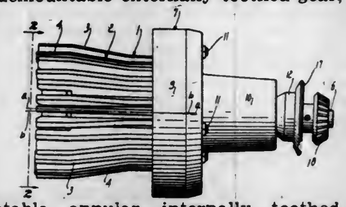
1. In engine starter gearing, a power shaft, a screw shaft fixed thereon having a terminal flange, a flanged nut threaded on the screw shaft, a cylinder of elastically deformable material surrounding the nut between said flanges, a barrel member surrounding the cylinder slidably journalled on the screw shaft flange and splined to the nut, a second screw shaft journaled on the power shaft splined in the barrel, and a pinion threaded on the last-mentioned screw shaft for longitudinal movement into and out of engagement with a member of an engine to be started.

2,255,016
PROCESS FOR TREATING IRON AND STEEL
Earle C. Smith, Cleveland Heights, and George T. Motok, Massillon, Ohio, assignors to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey
No Drawing. Application May 13, 1940, Serial No. 334,891
6 Claims. (Cl. 75—57)

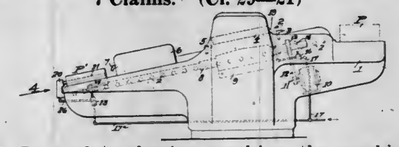
1. In the manufacture of iron or steel, the method of decreasing the oxygen content, increasing the nitrogen content, and improving the physical properties of the metal which includes the step of bringing into nitrogen-liberating contact with the molten metal between about one-half pound and eight pounds per ton of metal, of calcium cyanamid.

2,255,017
THREAD ADVANCING REEL
George P. Torrence, Shaker Heights, Richard F. Bergmann, Lakewood, and Walter F. Knebusch, Rocky River, Ohio, assignors to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Application July 15, 1939, Serial No. 284,728
14 Claims. (Cl. 242—53)

1. A thread-advancing reel comprising two interdigitating sets of bar members, each of said sets as a whole being mounted for rotation about an axis displaced from that of the other set; a demountable externally toothed gear adapted to rotate concentrically with one of said sets of bar members; and, surrounding and meshing with said demountable externally toothed gear, a demountable annular internally toothed gear adapted to rotate concentrically with the other set of bar members.

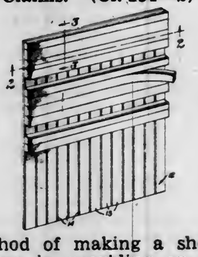


2,255,018
PLATE FINISHING MACHINE
James F. Wilson, West Philadelphia, Pa., assignor to Wood Newspaper Machinery Corporation, Plainfield, N. J., a corporation of Virginia
Application December 17, 1938, Serial No. 246,317
7 Claims. (Cl. 29—21)



1. In a plate shaving machine, the combination with a shaving arch adapted to receive a stereotype plate and a shaving knife shaft, of means positioned in front of the entrance to the arch for cleaning the printing surface of said plate pneumatically as the plate enters the arch, comprising an air pipe supply, an air pipe line supported from said supply, jets at the entrance side of the arch and connected with said pipe line, a valve in said pipe line having a stem, and a cam on said shaft for opening the valve and admitting air under pressure into said jets, once during each rotation of the shaft.

2,255,019
METHOD OF MAKING INDEX STRIPS
Carl F. Wolters, Buffalo, N. Y., and Robert M. Ellis, Boundbrook, N. J., assignors to Remington Rand Inc., Buffalo, N. Y.
Original application July 6, 1935, Serial No. 30,104, now Patent No. 2,201,950, dated May 21, 1940. Divided and this application February 5, 1938, Serial No. 188,878
5 Claims. (Cl. 154—2)



1. The method of making a sheet of index strips consisting in providing an intermediate layer with a coating of glue on each face, securing a sheet of paper to one face of said intermediate layer by means of said glue, coating a backing sheet with a material non-adhesive to glue in areas occupying the major portion of

said sheet and leaving substantially small uncoated portions of said sheet between said areas, applying said intermediate layer to said coated backing sheet so that the glued surface thereof opposite to that having the paper sheet applied thereto is attached by means of the glue to the uncoated areas of said backing sheet, and slitting said paper layer and intermediate layer to provide a plurality of separate narrow elongated index strips detachably connected to said backing sheet.

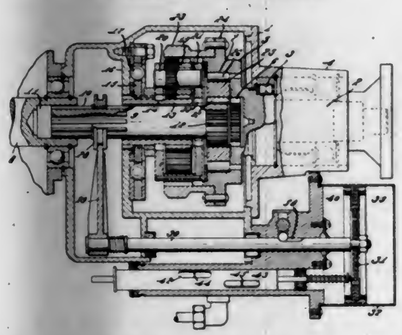
2,255,020

VACUUM CONTROL FOR TRANSMISSIONS

William B. Barnes, Muncie, Ind., assignor to Barnes Motor Developments Company, Muncie, Ind., a partnership consisting of William B. Barnes and Freda Arthur Barnes

Continuation of application Serial No. 54,016, December 12, 1935. This application May 18, 1939, Serial No. 274,427

111 Claims. (Cl. 74—472)



1. In a driving system for an automotive vehicle, having an engine throttle control member, the combination with a driving shaft and a driven shaft, a speed-changing gearing associated with said shafts for driving said driven shaft at variable speed ratios, means operated by the combined movement of said throttle control member first in a closing direction and then suddenly in an opening direction to operate said gearing to effect a change of speed ratio between said driving and driven shafts, and means associated with said throttle control member for preventing said change of speed ratios upon the gradual movement of the throttle member in an open direction.

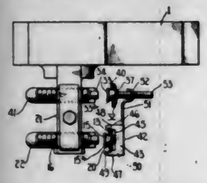
2,255,021

CONTROL DEVICE

Earnest J. Dillman, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan

Application March 22, 1939. Serial No. 263,486

14 Claims. (Cl. 200—138)



1. In a control device, a supporting member, a laterally movable operating member mounted on said supporting member and stressed to move in one direction, a control element movable by said operating member, a second laterally movable operating member movable in response to temperature change, a control element movable by said second operating member, a bracket member secured to one of said operating members, and an abutment member on said bracket member and engaging the other of said operating members to limit movement of said stressed operating member in said one direction relative to said second operating member.

2,255,022

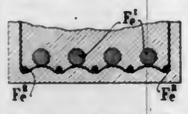
REINFORCED CONCRETE

Fritz Emperger, Vienna, Germany, assignor of ten percent to Joseph O. Ollier, New York, N. Y.

Application February 6, 1940, Serial No. 317,965

In Germany January 25, 1939

7 Claims. (Cl. 72—61)



4. A beam, girder or frame structure, or part thereof, substantially consisting of concrete reinforced in the region of tension by rod-like main reinforcements of steel and other rod-like reinforcements of superior tensile strength than said main reinforcements, said other reinforcements being prestressed and arranged such distances from said main reinforcements as to substantially improve by the thus produced compressive stresses in the concrete the tensile strength of the concrete bonded with them and supplement said main reinforcements.

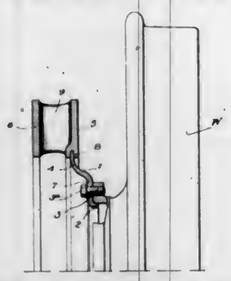
2,255,023

BRAKE DISK ASSEMBLY

Carolus L. Eksergian, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania

Application May 31, 1939, Serial No. 276,580

4 Claims. (Cl. 188—218)



1. A brake disk comprising a pair of spaced rings, each having a radial braking face, said rings being interconnected by integral circumferentially spaced radially extending braces through substantially the entire radial extent of said braking faces, the braces being spaced relatively close together as compared with the spacing of said rings and having a wide filleted connection with the rings whereby they rigidly connect the rings together and take the braking forces applied to the radial braking faces, the while providing with said rings radial cooling ducts between the braces which act as a centrifugal blower to cause flow of cooling air through said ducts, the rings being relatively thin as compared with the width of said cooling ducts.

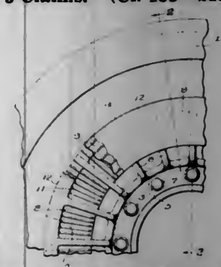
2,255,024

BRAKE ELEMENT

Carolus L. Eksergian, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania

Application February 28, 1940, Serial No. 321,189

3 Claims. (Cl. 188—218)



1. A brake element consisting of an annular support having a central disc-like bolting-on flange, radial spoke-like arms extending from said flange and axially offset for the most part from the plane of said flange, said spoke-like arms widening from their connection to the flange toward their radially outer ends, and spaced rings secured to the opposite sides of the outer ends of said arms, said support being an integral casting of a relatively light metal having high heat conductivity, and relatively thin facings of a metal more suitable for a braking surface, but having a lower heat conductivity than said support and intimately bonded to the outer sides of said spaced rings.

2,255,025

PROCESS OF TREATING FRUIT

Ralph H. Higby, Ontario, Calif., assignor to California Fruit Growers Exchange, Los Angeles, Calif., a corporation of California

No Drawing. Application January 15, 1934, Serial No. 706,697

18 Claims. (Cl. 99—103)

1. The process of preparing an orange-coloring material which comprises dissolving an oil-soluble, water-insoluble dye in a solvent capable of being saponified and then treating the solvent so as to form a soap containing the dye in finely divided solid particles.

15. The process of enhancing the varietal color of whole citrus fruit which comprises forming a soap having dispersed therein an oil-soluble, water-insoluble dye in the form of finely divided solid particles, dissolving the soap in water to form a relatively stable suspension of the dye therein, and then contacting the citrus fruit with the dye suspension for a time sufficient to enhance the varietal color thereof.

2,255,026

FERTILIZER MANUFACTURE

Frank G. Keenen, Wilmington, Del., and Ward H. Sachs, Orlando, Fla., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 6, 1939, Serial No. 283,060

12 Claims. (Cl. 71—27)

1. A solution prepared for use in ammoniating acid fertilizer materials comprising the product obtainable by mixing formaldehyde, a urea, water, and ammonia, the ammonia being present in the proportions of at least 1 mole of ammonia per mole of formaldehyde.

2,255,027

FERTILIZER MANUFACTURE

Frank G. Keenen, Swarthmore, Pa., and Ward H. Sachs, Orlando, Fla., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 24, 1941, Serial No. 375,802

11 Claims. (Cl. 71—27)

1. A fertilizer nitrifying solution prepared for use in ammoniating acidic fertilizer materials containing a urea comprising the product obtainable by mixing formaldehyde, ammonium nitrate, water and ammonia.

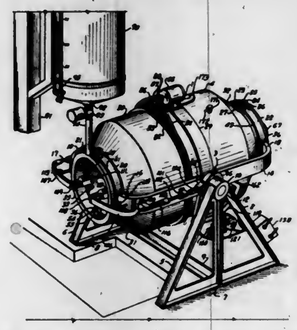
2,255,028

WASHING MACHINE

Archie O. Long, Kansas City, Mo.

Application March 2, 1938, Serial No. 193,459

4 Claims. (Cl. 68—12)



2. In a machine of the character described, a washing cylinder having axially arranged bearing rings forming a wash liquid inlet and discharge opening at one end of the cylinder and a clothes charging opening at the other end of the cylinder, closures for said openings, a rocker frame having bearing members journalling the bearing rings, trunnions on the rocker frame having a common axis arranged transversely of the cylinder axis, a support for the trunnions, means for moving the rocker frame on the support about the axis of said trunnions to raise and lower the wash liquid inlet and discharge end of the cylinder to and from charging and discharging positions, and means for opening and closing the closure at said end of the cylinder responsive to movement of the rocker frame.

2,255,029

KEYBOARD LOCKING DEVICE

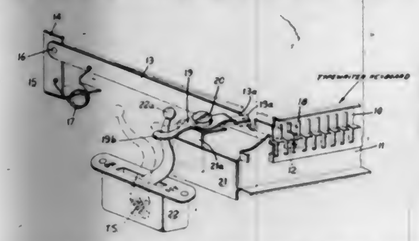
Henry L. Tholstrup, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application October 5, 1939, Serial No. 298,004

6 Claims. (Cl. 197—17)

1. In a keyboard-controlled, power driven device of the character described, an interlock for the keys of the keyboard of said device including

a plurality of spaced members cooperating with the respective key levers of said keyboard whereby, upon depression of any key lever, said spaced members are compressed into engagement to prevent operation of any other key lever, means comprising a pivoted lever separate from said key levers for compressing said spaced members into engagement to prevent the operation of any key levers of said keyboard, an oscillatable lever in



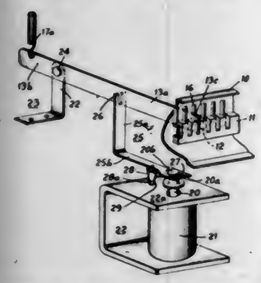
contact with said pivoted lever, a power switch, and operating means for said switch, said last named means directly engaging and controlling the position of said oscillatable lever to thereby control the position of said pivoted lever.

2,255,030

KEYBOARD LOCKING DEVICE

Henry L. Tholstrup, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application October 5, 1939, Serial No. 298,005
15 Claims. (Cl. 197—107)



2. In a remote control lock device for a keyboard, an interlock for said keyboard including movable means, moved upon actuation of any one key lever to intercept any other key lever, means, in addition to said keyboard, movable to either of two positions and into and out of engagement, respectively, with said movable means and operative at one position thereof for converting said interlock to a key-lock, and means including a solenoid responsive to a remotely initiated signal for controlling the position of said converting means.

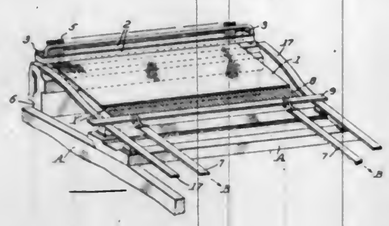
2,255,031

METHOD OF WORKING AN ENDLESS RUBBER BAND INTO THE WELTS OF HOSIERY

Georg Vogel, Siegmar-Schonau, Saxony, Germany

Application December 29, 1939, Serial No. 311,610
In Germany January 24, 1935
4 Claims. (Cl. 66—147)

1. The herein described method of working an endless rubber band into the welt of a piece of fabric consisting in producing a welt portion on the frame needles of a flat hosiery frame, placing the endless rubber band stretched to correspond



to the width of the welt portion around the frame needles, transforming the welt portion into the welt, and enclosing the endless rubber band within the welt by tilting it over the frame needles.

2,255,032

SOLIDIFIED PEANUT BUTTER

Henry Weisgurt and Dale R. van Horn, Lincoln, Nebr.; said van Horn assignor to said Weisgurt

No Drawing. Application January 6, 1939, Serial No. 249,608
1 Claim. (Cl. 99—128)

A semi-solid peanut butter containing a tasteless and odorless petroleum wax as a filler and binder, said wax having a color resembling the color of peanut butter.

2,255,033

GRAB

Pierre Jean-Marie Theodore Allard, Le Havre, France, assignor to Societe Francaise de Construction de Bennes Automatiques, Graville-Le Havre, France, a French company

Application February 14, 1939, Serial No. 256,391
In France December 23, 1938
5 Claims. (Cl. 37—187)



1. In a grab of the type having a central body, two scoops pivotally secured to said body at two distinct and opposite points thereof, a mechanism for closing these scoops and grasping the goods to be handled, comprising a main closing drum in said body, auxiliary drums, flexible means such as a rope wound on said auxiliary drums, and pulley means for said rope disposed on said scoops, and a usual closing rope for actuating said main drum, an opening mechanism contained in said body and comprising a rotatable sector-like part operated by the usual opening flexible means such as a rope, and links pivotally secured to said sector-like part and to said scoops, said rotatable sector-like part comprising an extension, channel means on this extension adapted to contain and to guide the usual opening flexible means of the grab, such as a rope, and an elastic reaction means adapted to maintain the opening rope in said channel means during the movements of said rotatable sector-like part.

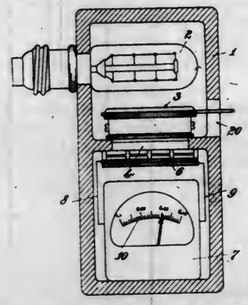
2,255,034

METHOD OF TESTING FLOUR AS TO COLOR AND ASH CONTENT

Edwin Bauer, Berlin, Germany

Application November 16, 1938, Serial No. 240,874
In Germany November 16, 1937
1 Claim. (Cl. 88—14)

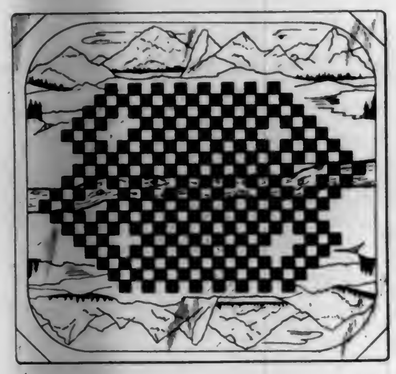
The method of determining the ash content of flours, comprising the steps of compressing a predetermined quantity of flour containing moisture in a dosing device, supporting the compressed flour between a near source of light and heat and a photo-electric measuring device until the indicator of the device reaches a final position, measuring from the final position of the indicator of the photo-electric device the light transmitted through said flour, and comparing the measurement obtained with similar measurements of samples having the same weight, thickness and volume and containing known quantities of ash.



DESIGNS

SEPTEMBER 2, 1941

129,254
DESIGN FOR A GAME BOARD
Basil K. Aldridge, Denver, Colo., assignor of fifty per cent to Ernest Peterson, Denver, Colo.
Application May 3, 1941, Serial No. 100,757
Term of patent 7 years



The ornamental design for a game board as shown and described.

129,255
DESIGN FOR A DOLL HEAD OR SIMILAR ARTICLE
Edgar Bergen, Beverly Hills, Calif.
Application October 26, 1940, Serial No. 96,099
Term of patent 14 years



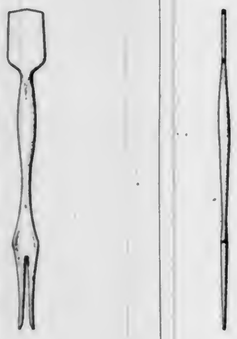
The ornamental design for a doll head or similar article, substantially as shown.

129,256
DESIGN FOR A DOLL HEAD OR SIMILAR ARTICLE
Edgar Bergen, Beverly Hills, Calif.
Application October 26, 1940, Serial No. 96,100
Term of patent 14 years



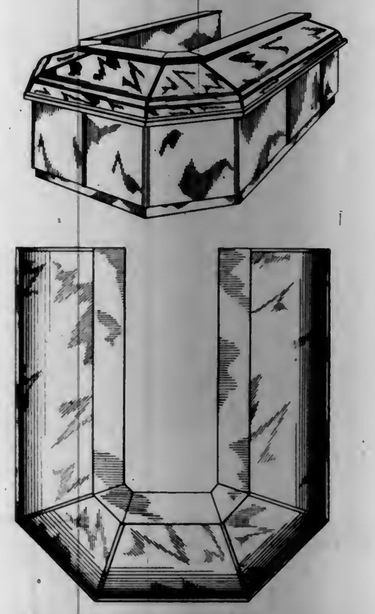
The ornamental design for a doll head or similar article, substantially as shown.

129,257
DESIGN FOR A COMBINED STIRRER AND PICK
Lloyd J. Ganger, Richmond Hill, N. Y.
Application July 16, 1941, Serial No. 102,184
Term of patent 3½ years



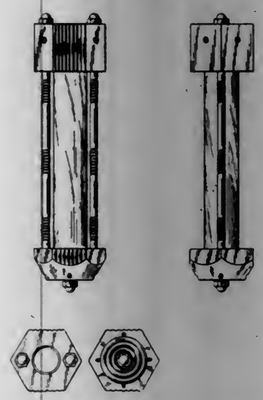
The ornamental design for a combined stirrer and pick, substantially as shown and described.

129,258
DESIGN FOR A COUNTER DISPLAY CASE
Parker H. James, Indianapolis, Ind.
Application February 6, 1941, Serial No. 98,791
Term of patent 14 years



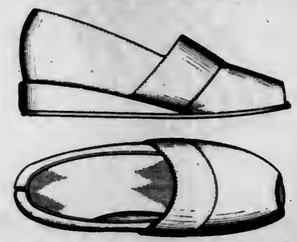
The ornamental design for a counter display case, substantially as shown and described.

129,259
DESIGN FOR A GASOLINE GAUGE
Roy A. Johnson and Oscar F. Johnson, Chicago, Ill.
Application June 28, 1941, Serial No. 101,785
Term of patent 7 years



The ornamental design for a gasoline gauge, substantially as shown.

129,260
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Faie Joyce, Pasadena, Calif., assignor to Joyce, Inc., Pasadena, Calif., a corporation
Application June 18, 1941, Serial No. 101,519
Term of patent 3½ years



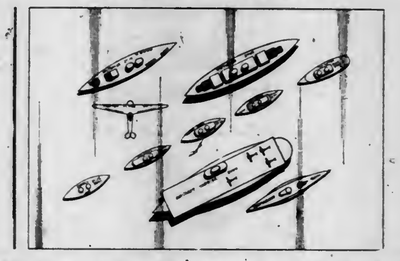
The ornamental design for a shoe or similar article, as shown.

129,261
DESIGN FOR A JODHPUR
William E. Justin, Fort Worth, Tex.
Application May 27, 1941, Serial No. 101,181
Term of patent 7 years



The ornamental design for a jodhpur, as shown and described.

129,262
DESIGN FOR A TARGET GAME DEVICE
George E. Lemon, Youngstown, Ohio
Application December 17, 1940, Serial No. 97,404
Term of patent 3½ years



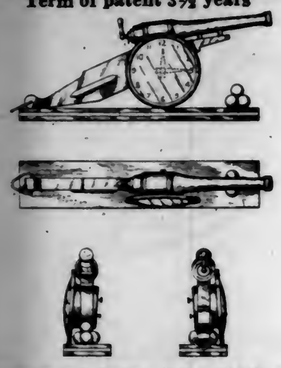
The ornamental design for a target game device, as shown.

129,263
DESIGN FOR A RIGID AWNING
James J. Morrison, Saratoga Springs, N. Y.
Application May 8, 1940, Serial No. 92,216
Term of patent 14 years



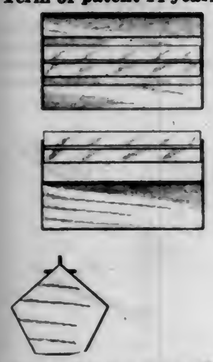
The ornamental design for a rigid awning, as shown and described.

129,264
DESIGN FOR A CLOCK
Jim I. Silvers, Chicago, Ill.
Application June 27, 1941, Serial No. 101,743
Term of patent 3½ years



The ornamental design for a clock, as shown.

129,265
DESIGN FOR A FINGER BOWL OR SIMILAR ARTICLE
Thad Wilson, Gary, Ind.
Application June 21, 1941, Serial No. 101,610
Term of patent 14 years



The ornamental design for a finger bowl or similar article, as shown.

129,266
DESIGN FOR A LITURGICAL ORPHREY OR SIMILAR ARTICLE
Apollinaris Baumgartner, New York, N. Y.
Application July 21, 1941, Serial No. 102,323
Term of patent 3½ years



The ornamental design for a liturgical orphrey or similar article, as shown.

129,267
DESIGN FOR A LITURGICAL ORPHREY OR SIMILAR ARTICLE
Apollinaris Baumgartner, New York, N. Y.
Application July 21, 1941, Serial No. 102,324
Term of patent 3½ years



The ornamental design for a liturgical orphrey or similar article, as shown.

129,268
DESIGN FOR A LITURGICAL ORPHREY OR SIMILAR ARTICLE
Apollinaris Baumgartner, New York, N. Y.
Application July 21, 1941, Serial No. 102,325
Term of patent 3½ years



The ornamental design for a liturgical orphrey or similar article, as shown.

129,269
DESIGN FOR A LITURGICAL ORPHREY OR SIMILAR ARTICLE
Apollinaris Baumgartner, New York, N. Y.
Application July 21, 1941, Serial No. 102,326
Term of patent 3½ years



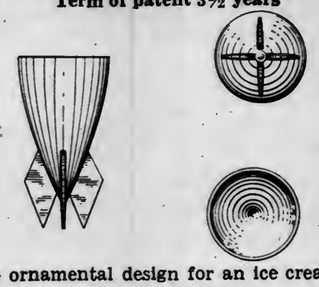
The ornamental design for a liturgical orphrey or similar article, as shown.

129,270
DESIGN FOR A LITURGICAL ORPHREY OR SIMILAR ARTICLE
Apollinaris Baumgartner, New York, N. Y.
Application July 21, 1941, Serial No. 102,327
Term of patent 3½ years



The ornamental design for a liturgical orphrey or similar article, as shown.

129,271
DESIGN FOR AN ICE CREAM CONE
Edward B. Herman, Minneapolis, Minn.
Application April 12, 1941, Serial No. 100,346
Term of patent 3½ years



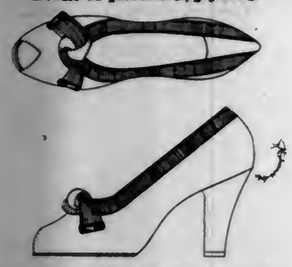
The ornamental design for an ice cream cone, as shown.

129,272
DESIGN FOR A SHOE
Harry Le Roy Sutcliffe, New York, N. Y.
Application July 19, 1941, Serial No. 102,304
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown.

129,273
DESIGN FOR A SHOE
Harry Le Roy Sutcliffe, New York, N. Y.
Application July 19, 1941, Serial No. 102,306
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown and described.

129,274
DESIGN FOR A SHOE
Harry Le Roy Sutcliffe, New York, N. Y.
Application July 19, 1941, Serial No. 102,311
Term of patent 3½ years



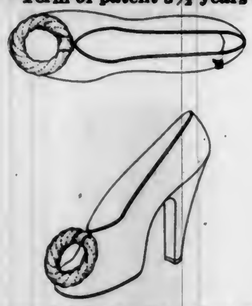
The ornamental design for a shoe, substantially as shown.

129,275
DESIGN FOR A SHOE
Harry Le Roy Sutcliffe, New York, N. Y.
Application July 23, 1941, Serial No. 102,374
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown.

129,276
DESIGN FOR A SHOE
Harry Le Roy Sutcliffe, New York, N. Y.
Application July 23, 1941, Serial No. 102,375
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown and described.

129,277
DESIGN FOR A SHOE
Harry Le Roy Sutcliffe, New York, N. Y.
Application July 23, 1941, Serial No. 102,377
Term of patent 3½ years



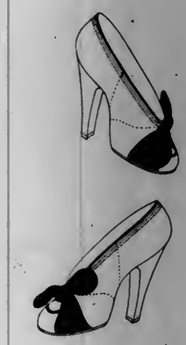
The ornamental design for a shoe, substantially as shown.

129,278
DESIGN FOR A SHOE
Harry Le Roy Sutcliffe, New York, N. Y.
Application July 23, 1941, Serial No. 102,379
Term of patent 3½ years



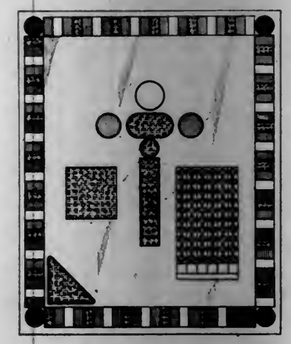
The ornamental design for a shoe, substantially as shown.

129,279
DESIGN FOR A SHOE
Harry Le Roy Sutcliffe, New York, N. Y.
Application July 23, 1941, Serial No. 102,380
Term of patent 3½ years



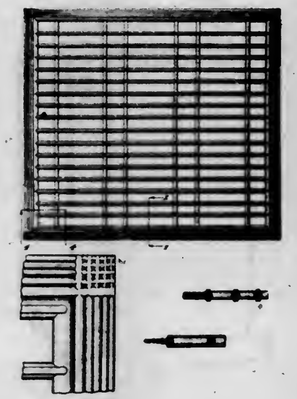
The ornamental design for a shoe, substantially as shown.

129,280
DESIGN FOR A GAME BOARD
Arthur F. Borland, San Francisco, Calif.
Application April 28, 1941, Serial No. 100,666
Term of patent 7 years



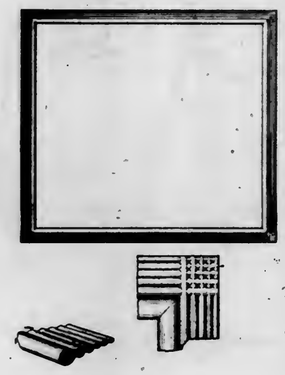
The ornamental design for a game board, as shown and described.

129,281
DESIGN FOR A PROTECTIVE MAT FOR KITCHEN TABLES, STOVES, AND THE LIKE
James R. Caldwell, Wooster, Ohio, assignor to The Wooster Rubber Company, Wooster, Ohio
Application June 18, 1941, Serial No. 101,531
Term of patent 7 years



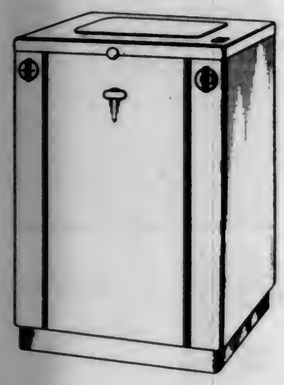
The ornamental design for a protective mat for kitchen tables, stoves, and the like, substantially as shown.

129,282
DESIGN FOR A BORDER FOR A PROTECTIVE MAT FOR KITCHEN TABLES, STOVES, AND THE LIKE
James R. Caldwell, Wooster, Ohio, assignor to The Wooster Rubber Company, Wooster, Ohio
Application June 18, 1941, Serial No. 101,532
Term of patent 7 years



The ornamental design for a border for a protective mat for kitchen tables, stoves, and the like, substantially as shown.

129,283
DESIGN FOR A COMBINED AUTOMATIC WASHER AND DRIER
Fred A. Conterman, Jamestown, N. Y., assignor to Blackstone Corporation, Jamestown, N. Y., a corporation of New York
Application June 3, 1940, Serial No. 92,793
Term of patent 14 years



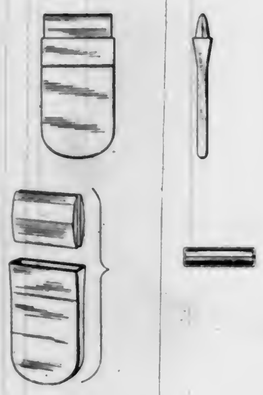
The ornamental design for a combined automatic washer and drier, substantially as shown and described.

129,284
DESIGN FOR A SHIP LAMP
Ben Dess, Chicago, Ill., assignor to Premium Industries, Inc., Chicago, Ill., a corporation of Illinois
Application May 17, 1941, Serial No. 100,996
Term of patent 3½ years



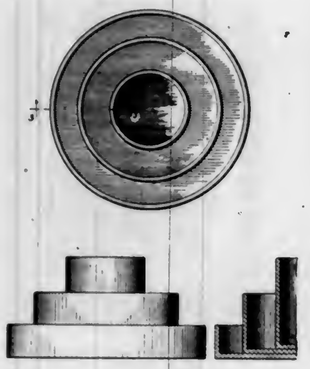
The ornamental design for a ship lamp, substantially as shown.

129,285
DESIGN FOR A RAZOR BLADE HOLDER OR SIMILAR ARTICLE
William Frank, Hempstead, N. Y.
Application June 28, 1941, Serial No. 101,778
Term of patent 7 years



The ornamental design for a razor blade holder or similar article, substantially as shown.

129,286
DESIGN FOR A COMBINED HOLDER FOR CANDLE AND FLOWERS
Kate W. Hayt, also known as Kate Barrie, Los Angeles, Calif.
Application March 3, 1941, Serial No. 99,288
Term of patent 14 years



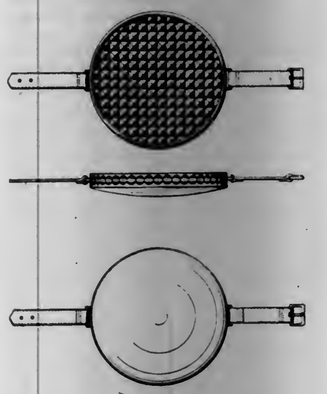
The ornamental design for a combined holder for candle and flowers, as shown.

129,287
DESIGN FOR A COMBINED BROOCH AND LOCKET OR SIMILAR ARTICLE
Paul Kaufman, Brooklyn, N. Y.
Application June 18, 1941, Serial No. 101,528
Term of patent 3½ years



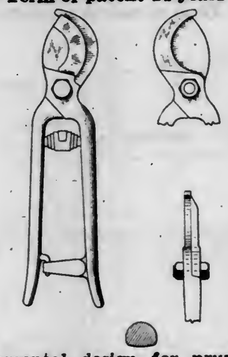
The ornamental design for a combined brooch and locket or similar article, substantially as shown.

129,288
DESIGN FOR A HAND REFLECTOR SIGNAL
Florence Vera Lake, Whitestone, N. Y.
Application March 15, 1941, Serial No. 99,637
Term of patent 7 years



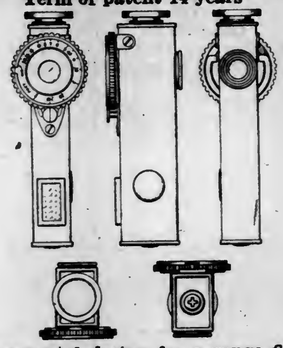
The ornamental design for a hand reflector signal, substantially as shown and described.

129,289
DESIGN FOR PRUNING SHEARS
Frank B. Lutman, Willoughby, Ohio, assignor to The American Fork & Hoe Company, Cleveland, Ohio, a corporation of Ohio
Application May 10, 1940, Serial No. 92,281
Term of patent 14 years



The ornamental design for pruning shears, substantially as shown.

129,290
DESIGN FOR A RANGE FINDER
Joseph Mihalyi, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application June 27, 1941, Serial No. 101,745
Term of patent 14 years



The ornamental design for a range finder, as shown.

129,291
DESIGN FOR A LIPSTICK CONTAINER
William B. Petzold, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application May 21, 1941, Serial No. 101,063
Term of patent 14 years



The ornamental design for a lipstick container, as shown.

129,292
DESIGN FOR A WASHING MACHINE AGITATOR
Charles C. Scheele, Syracuse, N. Y., assignor to Easy Washing Machine Corporation, Syracuse, N. Y., a corporation of Delaware
Application April 30, 1941, Serial No. 100,708
Term of patent 14 years



The ornamental design for a washing machine agitator, substantially as shown.

129,293
DESIGN FOR A PIN OR SIMILAR ARTICLE OF JEWELRY
Oliver Selle, Clayton, Mo.
Application July 14, 1941, Serial No. 102,126
Term of patent 3½ years



The ornamental design for a pin or similar article of jewelry, as shown.

129,294
DESIGN FOR AN ICE CREAM CONE
Sol Sherman, Philadelphia, Pa.
Application December 12, 1940, Serial No. 97,275
Term of patent 3½ years



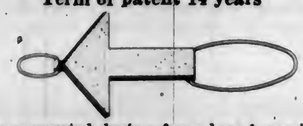
The ornamental design for an ice-cream cone, substantially as shown.

129,295
DESIGN FOR A MECHANICAL PENCIL OR THE LIKE
Herman K. Stempel, Fort Madison, Iowa, assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa, a corporation of Delaware
Application July 19, 1941, Serial No. 102,292
Term of patent 14 years



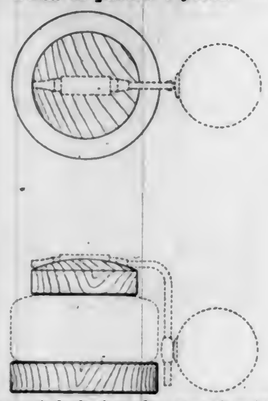
The ornamental design for a mechanical pencil or the like, substantially as shown and described.

129,296
DESIGN FOR A HAND CARRIED TRAFFIC SIGNAL
Gladys Stewart, Oakland, Calif.
Application July 7, 1941, Serial No. 101,929
Term of patent 14 years



The ornamental design for a hand carried traffic signal, as shown.

129,297
DESIGN FOR AN ATOMIZER
Carl W. Sundberg, Birmingham, Mich., assignor to The DeVilbiss Company, Toledo, Ohio, a corporation of Ohio
Application July 5, 1941, Serial No. 101,916
Term of patent 7 years



The ornamental design for an atomizer, substantially as shown and described.

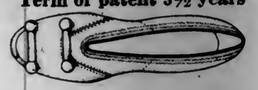
129,298
DESIGN FOR A SHOE
Harry Le Roy Sutcliffe, New York, N. Y.
Application July 23, 1941, Serial No. 102,378
Term of patent 3½ years





The ornamental design for a shoe, substantially as shown.

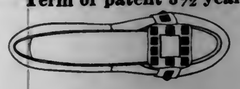
129,299
DESIGN FOR A SHOE
Harry Le Roy Sutcliffe, New York, N. Y.
Application July 23, 1941, Serial No. 102,382
Term of patent 3½ years





The ornamental design for a shoe, substantially as shown.

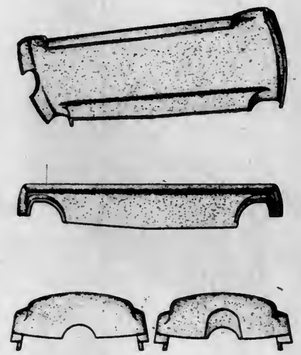
129,300
DESIGN FOR A SHOE
Harry Le Roy Sutcliffe, New York, N. Y.
Application July 23, 1941, Serial No. 102,383
Term of patent 3½ years





The ornamental design for a shoe, substantially as shown.

129,301
DESIGN FOR A SHIRT PRESSING MEMBER
Harry D. Forse, Anderson, Ind.
Application January 27, 1941, Serial No. 98,404
Term of patent 14 years



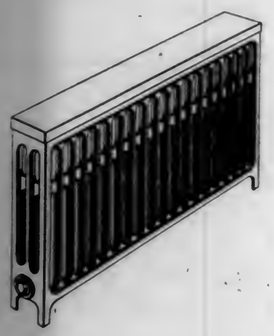
The ornamental design for a shirt presing member. as shown.

129,302
DESIGN FOR AN EMBROIDERED SCARF OR SIMILAR ARTICLE
Elmer R. Goldsmith, New York, N. Y.
Application August 5, 1941, Serial No. 102,694
Term of patent 3½ years



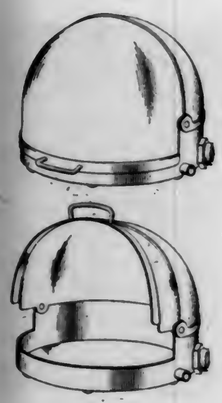
The ornamental design for an embroidered scarf or similar article, substantially as shown and described.

129,303
DESIGN FOR A HEATING RADIATOR
Charles W. Good, Erie, Pa., assignor to Weil-McLain Company, Erie, Pa., a corporation of Delaware
Application June 12, 1940, Serial No. 92,947
Term of patent 14 years



The ornamental design for a heating radiator, substantially as shown and described.

129,304
DESIGN FOR A CASING FOR GLASS- OR DISH-WASHING MACHINE
Harold E. Weeks, Brooklyn, N. Y.
Application November 29, 1940, Serial No. 96,953
Term of patent 14 years



The ornamental design for a casing for glass- or dish-washing machine substantially as shown and described.

129,305
DESIGN FOR A STATUETTE
Charles Appelbaum, Brooklyn, N. Y.
Application July 19, 1941, Serial No. 102,318
Term of patent 3½ years



The ornamental design for a statuette, substantially as shown.

129,306
DESIGN FOR A STATUETTE
Charles Appelbaum, Brooklyn, N. Y.
Application July 19, 1941, Serial No. 102,319
Term of patent 3½ years



The ornamental design for a statuette, substantially as shown.

129,307
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application July 25, 1941, Serial No. 102,457
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

129,308
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application July 25, 1941, Serial No. 102,458
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

129,309
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application July 25, 1941, Serial No. 102,459
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

129,310
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application July 25, 1941, Serial No. 102,460
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

129,311
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe. New York, N. Y.
Application July 25, 1941, Serial No. 102,461
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

129,312
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application July 25, 1941, Serial No. 102,462
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

129,313
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application July 25, 1941, Serial No. 102,463
Term of patent 3½ years



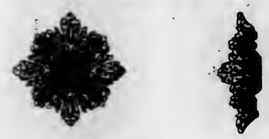
The ornamental design for a brooch or similar article, substantially as shown.

129,314
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application July 25, 1941, Serial No. 102,464
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

129,315
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application July 25, 1941, Serial No. 102,465
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

129,316
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application July 25, 1941, Serial No. 102,466
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

129,317
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application July 25, 1941, Serial No. 102,467
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

129,318
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application July 25, 1941, Serial No. 102,468
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

129,319
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Spaney, New York, N. Y.
Application July 25, 1941, Serial No. 102,469
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

129,320
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Spaney, New York, N. Y.
Application July 25, 1941, Serial No. 102,470
Term of patent 3½ years



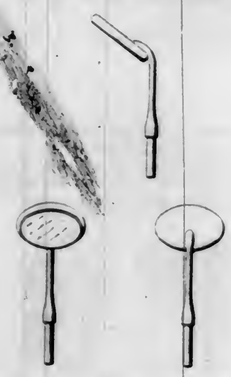
The ornamental design for a brooch or similar article, substantially as shown.

129,321
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Spaney, New York, N. Y.
Application July 25, 1941, Serial No. 102,471
Term of patent 3½ years



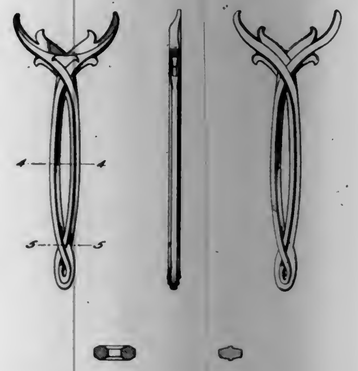
The ornamental design for a brooch or similar article, substantially as shown.

129,322
DESIGN FOR A MOUTH MIRROR
Walter S. Crowell, Melrose Park, Pa., assignor to The S. S. White Dental Manufacturing Company, a corporation of Pennsylvania
Application July 16, 1941, Serial No. 102,189
Term of patent 14 years



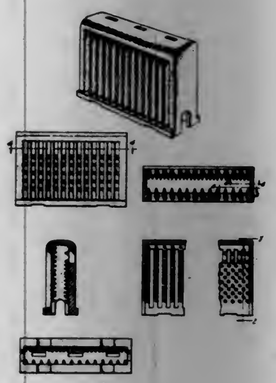
The ornamental design for a mouth mirror, as shown.

129,323
DESIGN FOR A HANDLE FOR MIRRORS OR SIMILAR ARTICLES
Joseph A. Despres, Scarsdale, N. Y., assignor to Bernard Rice's Sons, Inc., New York, N. Y., a corporation of New York
Application April 1, 1941, Serial No. 100,081
Term of patent 7 years



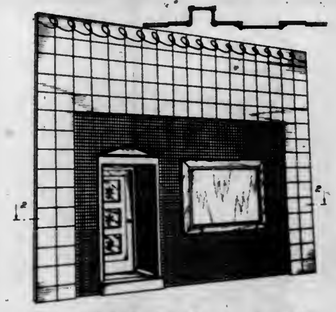
The ornamental design for a handle for mirrors or similar articles, substantially as shown.

129,324
DESIGN FOR A CERAMIC ELEMENT FOR GAS HEATING STOVES AND THE LIKE
Roy A. Dudley, Huntington, W. Va., assignor to Armstrong Products Corporation, Huntington, W. Va., a corporation of West Virginia
Application July 31, 1940, Serial No. 94,073
Term of patent 14 years



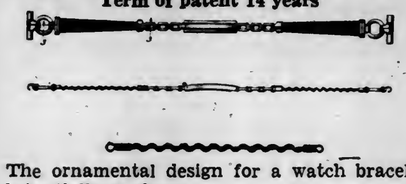
The ornamental design for a ceramic element for gas heating stoves and the like, as shown.

129,325
DESIGN FOR A STORE FRONT
Joseph S. Dworsky, New York, N. Y.
Application April 12, 1941, Serial No. 100,356
Term of patent 14 years



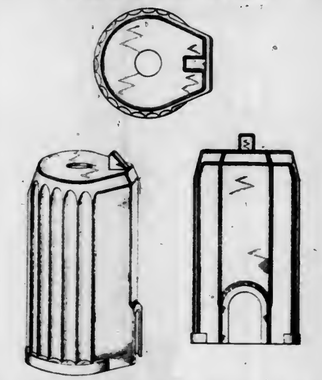
The ornamental design for a store front, substantially as shown and described.

129,326
DESIGN FOR A WATCH BRACELET
William Forstner, Irvington, N. J., assignor to Forstner Chain Corporation, Irvington, N. J., a corporation of New Jersey
Application May 6, 1940, Serial No. 92,177
Term of patent 14 years



The ornamental design for a watch bracelet, substantially as shown.

129,327
DESIGN FOR AN AIR VALVE CASING
Frederic A. Leisen, Grosse Pointe, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application July 10, 1941, Serial No. 102,011
Term of patent 14 years



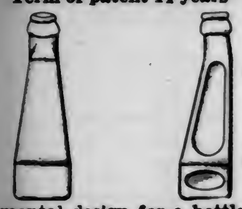
The ornamental design for an air valve casing, substantially as shown.

129,328
DESIGN FOR A CHAISE
Arthur Wesley, Chicago, Ill., assignor to Burton-Dixie Corporation, Chicago, Ill., a corporation of Delaware
Application November 25, 1940, Serial No. 96,797
Term of patent 7 years



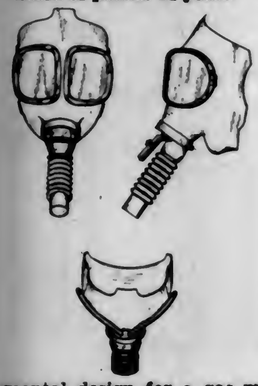
The ornamental design for a chaise, as shown.

129,329
DESIGN FOR A BOTTLE OR SIMILAR ARTICLE
Gordon K. Woodley, Brantford, Ontario, Canada
Application May 19, 1941, Serial No. 101,017
Term of patent 14 years



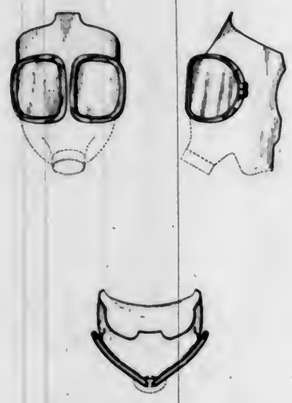
The ornamental design for a bottle or similar article, as shown and described.

129,330
DESIGN FOR A GAS MASK
William P. Yant, Pittsburgh, Pa., assignor to Mine Safety Appliances Company, Pittsburgh, Pa.
Application April 4, 1940, Serial No. 91,462
Term of patent 14 years



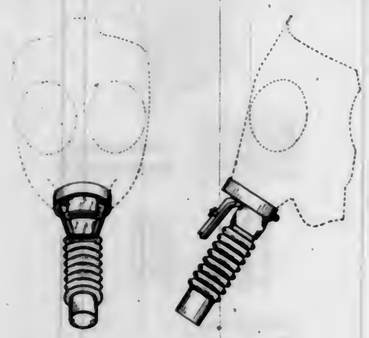
The ornamental design for a gas mask, substantially as shown.

129,331
DESIGN FOR A GAS MASK
William P. Yant, Pittsburgh, Pa., assignor to Mine Safety Appliances Company, Pittsburgh, Pa.
Application April 4, 1940, Serial No. 91,463
Term of patent 14 years



The ornamental design for a gas mask, substantially as shown and described.

129,332
DESIGN FOR A GAS MASK
William P. Yant, Pittsburgh, Pa., assignor to Mine Safety Appliances Company, Pittsburgh, Pa.
Application April 4, 1940, Serial No. 91,464
Term of patent 14 years



The ornamental design for a gas mask, substantially as shown and described.

129,333
DESIGN FOR A DRESS ENSEMBLE
Betty Baum, Chicago, Ill.
Application August 16, 1941, Serial No. 102,863
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

129,334
DESIGN FOR A COAT
Angelo Del Re, Brooklyn, N. Y.
Application August 13, 1941, Serial No. 102,805
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

129,335
DESIGN FOR A COAT
Angelo Del Re, Brooklyn, N. Y.
Application August 13, 1941, Serial No. 102,806
Term of patent 3½ years



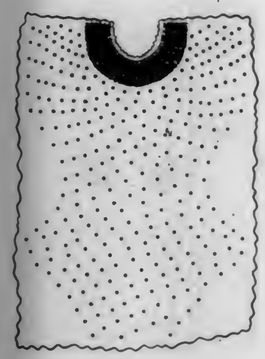
The ornamental design for a coat, substantially as shown.

129,336
DESIGN FOR A SUIT
Sydney Siegel, New York, N. Y.
Application August 12, 1941, Serial No. 102,803
Term of patent 3½ years



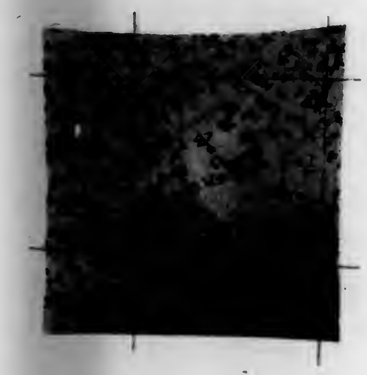
The ornamental design for a suit, substantially as shown.

129,337
DESIGN FOR AN EMBROIDERED TEXTILE FABRIC
Samuel H. Geffner, New York, N. Y.
Application July 19, 1941, Serial No. 102,320
Term of patent 3½ years



The ornamental design for an embroidered textile fabric, substantially as shown.

129,338
DESIGN FOR A TEXTILE FABRIC
Suzanne Gesmar, New York, N. Y.
Application August 12, 1941, Serial No. 102,798
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

129,339
DESIGN FOR AN EMBROIDERED FABRIC OR SIMILAR ARTICLE
Otto Hallbauer, West Englewood, N. J.
Application April 19, 1941, Serial No. 100,511
Term of patent 3½ years



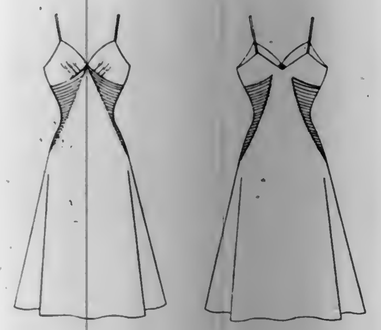
The ornamental design for an embroidered fabric or similar article, substantially as shown.

129,340
DESIGN FOR A DRESS
Claire McCardell, New York, N. Y.
Application June 28, 1941, Serial No. 101,786
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,341
DESIGN FOR A SLIP
Nini Turcotte, New York, N. Y.
Application August 2, 1941, Serial No. 102,641
Term of patent 3½ years



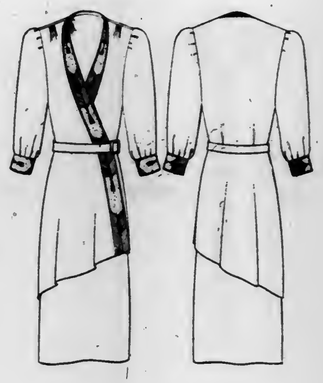
The ornamental design for a slip, substantially as shown.

129,342
DESIGN FOR A DRESS OR SIMILAR ARTICLE
Herman Beispel, New York, N. Y.
Application August 16, 1941, Serial No. 102,859
Term of patent 3½ years



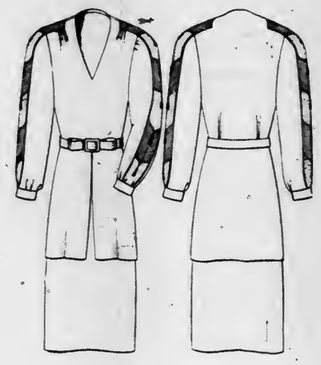
The ornamental design for a dress or similar article, as shown.

129,343
DESIGN FOR A DRESS OR SIMILAR ARTICLE
Herman Beispel, New York, N. Y.
Application August 16, 1941, Serial No. 102,860
Term of patent 3½ years



The ornamental design for a dress or similar article, as shown.

129,344
DESIGN FOR A DRESS OR SIMILAR ARTICLE
Herman Beispel, New York, N. Y.
Application August 16, 1941, Serial No. 102,861
Term of patent 3½ years



The ornamental design for a dress or similar article as shown.

129,345
DESIGN FOR A DRESS OR SIMILAR ARTICLE
Herman Beispel, New York, N. Y.
Application August 16, 1941, Serial No. 102,862
Term of patent 3½ years



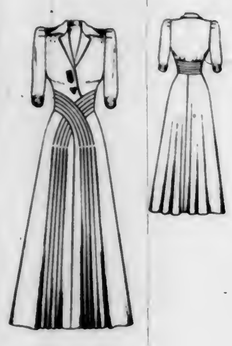
The ornamental design for a dress or similar article, as shown.

129,346
DESIGN FOR A DRESS
Elizabeth Cutler, New York, N. Y.
Application August 16, 1941, Serial No. 102,864
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,347
DESIGN FOR A DRESS
Elizabeth Cutler, New York, N. Y.
Application August 16, 1941, Serial No. 102,865
Term of patent 3½ years



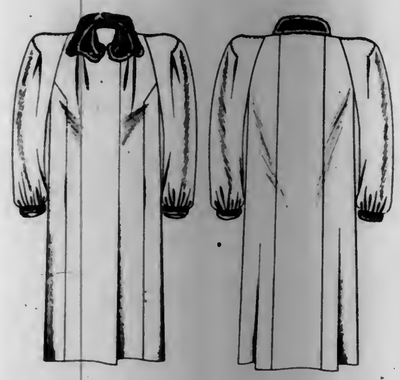
The ornamental design for a dress, substantially as shown.

129,348
DESIGN FOR A DRESS
Elizabeth Cutler, New York, N. Y.
Application August 16, 1941, Serial No. 102,866
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,349
DESIGN FOR A COAT
Angelo Del Re, Brooklyn, N. Y.
Application August 13, 1941, Serial No. 102,807
Term of patent 3½ years



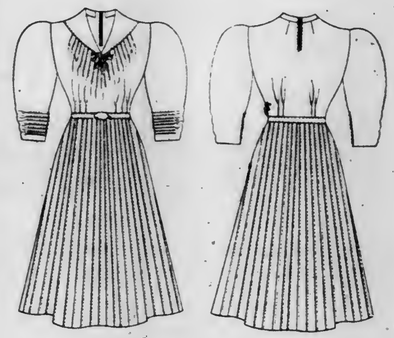
The ornamental design for a coat, substantially as shown.

129,350
DESIGN FOR A DRESS
Betty Kessler, New York, N. Y.
Application August 12, 1941, Serial No. 102,794
Term of patent 3½ years



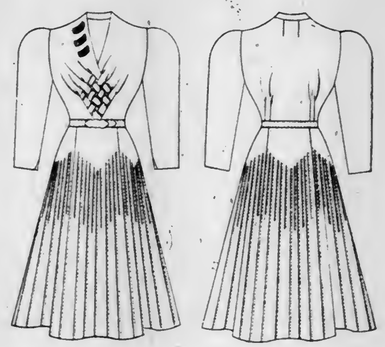
The ornamental design for a dress, substantially as shown.

129,351
DESIGN FOR A DRESS
Betty Kessler, New York, N. Y.
Application August 12, 1941, Serial No. 102,795
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,352
DESIGN FOR A DRESS
Betty Kessler, New York, N. Y.
Application August 12, 1941, Serial No. 102,796
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,353
DESIGN FOR A DRESS
Herbert B. Lindenbaum, New York, N. Y.
Application August 12, 1941, Serial No. 102,792
Term of patent 3½ years



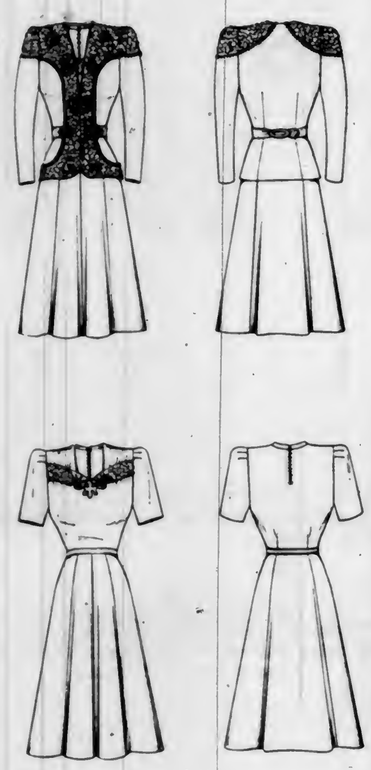
The ornamental design for a dress, substantially as shown.

129,354
DESIGN FOR A DRESS
Ruth Payne, New York, N. Y.
Application August 13, 1941, Serial No. 102,808
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,355
DESIGN FOR A DRESS ENSEMBLE
Samuel Riesenberg, New York, N. Y.
Application August 16, 1941, Serial No. 102,867
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

Patents Nos. 2,255,035 to 2,255,744

THE OFFICIAL GAZETTE OF THE United States Patent Office

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September 9, 1941

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Reissues	2—No. 21,898 to No. 21,899,	inclusive.
Patents	710—No. 2,255,035 to No. 2,255,744,	inclusive.
Designs	113—No. 129,356 to No. 129,468,	inclusive.
Total	1,061	

[PUBLIC LAW 220—77TH CONGRESS]
[CHAPTER 369—1ST SESSION]
[H. R. 2688]

AN ACT

GRANTING AN EXTENSION OF PATENT TO THE UNITED DAUGHTERS OF THE CONFEDERACY.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That a certain design patent issued by the United States Patent Office of date November 8, 1898, being patent numbered 29,611, which was renewed and extended for a period of fourteen years by Public Law Numbered 242, Sixty-ninth Congress, approved May 18, 1926, is hereby renewed and extended for an additional period of fourteen years from and after the passage of this Act, with all the rights and privileges pertaining to the same, being generally known as the insignia of the United Daughters of the Confederacy: *Provided, however*, That no person who has manufactured the design of said patent between the 18th day of May 1940 and the date of the passage of this Act shall be held liable for infringement of this patent by reason of the continued manufacture and sale thereof.

Approved, August 18, 1941.

[PUBLIC LAW 221—77TH CONGRESS]
[CHAPTER 370—1ST SESSION]
[H. R. 3206]

AN ACT

TO AFFORD GREATER PROTECTION TO THE PURCHASER OF PATENT RIGHTS.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That section 4898 of the Revised Statutes (35 U. S. C. 47) be, and the same is hereby, amended to read as follows:

"SEC. 4898. Every application for patent or patent or any interest therein shall be assignable in law by an instrument in writing, and the applicant or patentee or his assigns or legal representatives may in like manner grant and convey an exclusive right under his application for patent or patent to the whole or any specified part of the United States. An assignment, grant, or conveyance shall be void as against any subsequent purchaser or mortgagee for a valuable consideration, without notice unless it is recorded in the Patent Office within three months from the date thereof or prior to such subsequent purchase or mortgage.

"If any such assignment, grant, or conveyance of any application for patent or patent shall be acknowledged before any notary public of the several States or Territories or the District of Columbia, or any commissioner of any court of the United States for any district or Territory, or before any secretary of legation or consular officer authorized to administer oaths or perform notarial acts under section 1750 of the Revised Statutes (D. S. C., title 22, sec. 131) the certificate of such acknowledgment, under the hand and official seal of such notary or other officer, shall be prima facie evidence of the execution of such assignment, grant, or conveyance."

Approved, August 18, 1941.

[PUBLIC LAW 239—77TH CONGRESS]
[CHAPTER 393—1ST SESSION]
[H. R. 4784]

AN ACT

TO AMEND THE ACT RELATING TO PREVENTING THE PUBLICATION OF INVENTIONS IN THE NATIONAL INTEREST, AND FOR OTHER PURPOSES.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That the Act of Congress approved July 1, 1940 (Public, Numbered 700, Seventy-sixth Congress, third session, ch. 501), be amended by adding the following sections:

"SEC. 3. No person shall file or cause or authorize to be filed in any foreign country an application for patent or for the registration of a utility model, industrial design, or model in respect of any invention made in the United States, except when authorized in each case by a license obtained from the Commissioner of Patents under such rules and regulations as he shall prescribe.

"SEC. 4. Notwithstanding the provisions of sections 4886 and 4887 of the Revised Statutes (35 U. S. C., secs. 31 and 32), any person and the successors, assigns, or legal representatives of any such person shall be debarred from receiving a United States patent for an invention

(Continued on page 278)

Condition of Applications Under Examination at Close of Business August 23, 1941

(Total number of applications awaiting action, excluding Trade-Mark Division, 45,064; Trade-Mark Division, 1,229. Oldest new case, Nov. 27, 1940; oldest amended, Nov. 22, 1940.)
(The dates given are 1941 except where † indicates 1940)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Jan. 27	Jan. 28	755
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Apr. 7	Apr. 4	490
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	June 9	June 12	461
7053	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating, Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	May 6	May 9	603
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons.	Apr. 16	Apr. 10	454
4898 C	6. LEWERS, A. M., Carbon Chemistry (part)	Jan. 22	Feb. 3	1138
5725	7. JARBOE, C. G., Optics; Photography	Mar. 10	Mar. 6	975
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	Mar. 10	Mar. 10	841
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Mar. 18	Mar. 17	607
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Mar. 22	Mar. 25	598
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Apr. 17	Apr. 22	391
7701	12. SPINTMAN, SAMUEL (Act.), Machine Elements; Mechanical Starters; Stop Mechanisms	Mar. 24	Apr. 2	619
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Jan. 22	Feb. 13	578
5097	14. FREEHOF, H. B. (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Apr. 26	May 1	574
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Feb. 24	Feb. 28	1135
5716	16. SPENCER, C. J., Telegraphy; Telephony	Apr. 5	Mar. 17	512
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Apr. 24	Apr. 24	651
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Mar. 11	Mar. 5	423
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Mar. 14	Apr. 1	783
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Mar. 6	Mar. 24	476
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	May 8	May 10	332
5600	22. RINOLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	†Nov. 27	†Nov. 27	1349
7624	23. BUTTNER, W. J., Registers (part)	Jan. 30	†Nov. 22	261
5063	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Mar. 24	Mar. 28	858
5700	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Apr. 15	Apr. 21	552
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	Apr. 16	Apr. 28	410
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	Mar. 28	Mar. 17	538
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Elements; Cylinders and Pistons	Apr. 3	Mar. 19	405
5062	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	Feb. 28	Mar. 6	783
4083	30. McCANN, L. P., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Apr. 26	Apr. 28	480
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Mar. 11	Mar. 11	1413
4096	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Mar. 20	Mar. 13	927
6096	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads.	Mar. 26	Mar. 21	1079
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Surface Track; Track Sanders; Draft Appliances; Signals and Indicators.	Jan. 22	Jan. 21	546
3876	35. BROMLEY, E. D., Card and Sign Exhibiting, Dispensing; Portable Receptacles	Feb. 14	Feb. 24	1020
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Mar. 21	Mar. 15	553
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Apr. 12	Apr. 24	582
3094	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	†Nov. 28	†Nov. 29	1362
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	May 6	May 6	478
7890	40. DRUMMOND, E. J., Metallic, Wood, Paper, and Special Receptacles	Feb. 12	Feb. 12	1771
7612	41. HERTZ, M., Typewriting Machines; Coin Handling, Recorders; Registers (part); Deposit and Collection Receptacles.	Mar. 29	Mar. 25	540
5882	42. CUTTING, H. O., Electric Signaling	Apr. 30	Apr. 28	323
4886 B	43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Mar. 4	Mar. 26	645
4087 B	44. HARVEY, L. P., Refrigeration	Feb. 24	Feb. 27	606
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	May 10	Apr. 8	365
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Mar. 10	Mar. 11	818
6082	47. KANOF, W. J., Clutches; Brakes	Apr. 5	Apr. 7	426
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Apr. 19	Apr. 19	538
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Feb. 17	Feb. 20	781
4701	50. LEVIN, S., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	Feb. 28	Mar. 1	1230
5628	51. BACKUS, C. D., Radiant Energy (part)	May 23	May 28	456
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Apr. 3	Apr. 15	634
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Jan. 25	Jan. 25	790
5883	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Apr. 4	May 1	359
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Apr. 1	Apr. 21	344
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	Feb. 3	Feb. 3	1206
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	Feb. 18	May 12	191
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Mar. 20	Mar. 1	541
4709	59. SHEPPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	Feb. 13	Feb. 21	1065
8898	60. GLASS, R. I., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Apr. 21	May 10	407
6724	61. YUNG KWAI, B., Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	†Dec. 7	†Dec. 31	622
5621	62. PUCH, E. C., Games; Geometrical Instruments	May 1	Apr. 12	596
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	Feb. 12	Feb. 10	1155
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	May 24	May 24	635
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	May 22	May 27	409
2099 B	Trade-Marks: F. A. RICHMOND	July 5	July 26	1229
2605	Designs: H. H. KALUPY	July 22	July 24	619

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE PARKER

No. 4,488. Decided June 9, 1941

[120 F.(2d) 358]

PATENTABILITY—COUPLING FOR TUBES.

Claims to a coupling having a clamping face which corresponds to the angle of the inner face of the flared end of a tube of average wall thickness *Held* unpatentable over the prior art, there being nothing unobvious in thus providing a coupling which will fit more different sizes of tubes than if any other thickness than the average were selected.

APPEAL from the Patent Office. Affirmed.

Messrs. Mason and *Porter* for Parker.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

BLAND, *J.*:

The Primary Examiner of the United States Patent Office rejected claims 8 and 9, the only claims in appellant's application for a patent, which claims were drawn to cover a coupling for tubes. Upon appeal to the Board of Appeals, the decision of the Examiner was affirmed, and appellant petitions here for a review of the Board's decision.

Claim 9 is illustrative and reads:

9. A coupling for tubes of uniform outside diameter and of variable wall thickness ranging between a predetermined minimum and maximum, the end of each tube being flared so that the outer face of the flare for all wall thicknesses shall be uniform, comprising a pair of coupling members having a threaded connection, one of said coupling members having a bore therethrough corresponding to the outer diameter of the tube and a clamping face corresponding to the angle of the outer face of the flared end of the tube, the other coupling member having a bore therethrough which corresponds to the bore of a tube of maximum wall thickness, and a clamping face which corresponds to the angle of the inner face of the flared end of a tube of average wall thickness.

The references relied upon are: Waite, 587,347, August 3, 1897; Hawkes, 633,959, September 26, 1899.

The Examiner aptly described the alleged invention in the following terms:

The application relates to a well known type of screw thimble-flared pipe joint. The end of a soft metal tube such as copper is made with a flare of constant angle. The inside of the tubing at the flare, assuming because of the expansion, a slightly greater angle of taper than the outside of the tubing. The pipe to which the flared tubing is to be connected is formed at its end with a conical nipple to project into the flared end of the tubing. The screw thimble has at its inner end a tapered socket to engage the outside of the flared end of the tubing. The joint is designed so that the taper of the nipple and the inside of the flared tubing end are the same, for a tubing of correct dimensions. And the socket in the thimble has the same taper as the outside of the flared tubing end, for a tubing of correct dimensions.

Both claims were rejected as not patentably distinguishable over either Hawkes or Waite, each of which shows a combination which is substantially the same as the device here involved. Applying the references, the Examiner said:

* * * If the tubing of either Hawkes or Waite is made with a thinner wall than standard then the taper of the inside of the flared tubing end will not be so great and the tapered nipple will engage with the tubing only at its outer periphery. If, on the other hand, the tubing is made with a thicker wall than standard then the taper will be greater on the inside of the flared tubing end and the conical nipple will only engage with it at its smaller diameter. This is seen to follow directly from the teaching of Hawkes and Waite.

It can not be assumed that the precision of manufacturing soft tubing was greater back in 1899 than it is now and that consequently patentees did not have to deal with the problem of making a fitting to fit any size pipe that was used. Instead we may assume that the tolerances were even greater then than now and that it is more likely than not that off size tubing was used in the joints shown by Waite and Hawkes, with the above-mentioned results. It is also seen that the nipples and thimbles of Waite and Hawkes would be designed to be of a size corresponding to the average size pipe. In fact, are not the pipes shown in the patent drawings just these same average sizes?

The Board said:

The claims are anticipated by the patents cited, except as to their references to maximum and minimum wall thicknesses and the average wall thickness. Applicant has found that the clamping face * * * on the inner member will be satisfactory if it corresponds to the angle of the inner face of the flared end of a tube of average wall thickness, that is, it is not necessary that the clamping face of the inner member should correspond exactly to the angle of the inner face of the specific flared end tube to be used.

We do not believe it is invention to design parts for average conditions as to size of parts to be coupled or that it is patentable discovery to note that the couplings of the references would be operative on pipes with thinner walls than are shown therein.

The problem which appellant approached was to make a satisfactory coupling between two tubes of equal outside diameter but with varying wall thicknesses. It is obvious that the conical end portions of the coupling which fit against the flared ends of the tubes would not correspond exactly if the thickness of one wall was much greater than that of the other. All appellant has done is to make a coupling which will fit the tubes of average wall thickness. In this manner the coupling will fit more different sizes of pipes than if any other thickness was selected. It seems to us that there is nothing unobvious about this and it would be absurd to make applicant's coupling fit either a tube of the greatest wall thickness or of the least wall thickness.

It is our view that appellant has done nothing more than to exercise good judgment as a skilled mechanic, and that the rejected claims define nothing which should be regarded as inventive.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE FREVERT AND FOLEY

No. 4,436. Decided May 5, 1941

[119 F.(2d) 437]

1. REISSUE—NEW MATTER.

"It is evident * * * that it was not until after appellants' patent issued and numerous tests had been made that it was ascertained that, in order to secure an alloy steel having the characteristics described in the patent, it was necessary that the percentage of nickel be greater than the percentage of manganese, or that it be greater than the percentage of each of the elements manganese and silicon, or that it be not less than the percentage of manganese and silicon combined. That being so, it could not have been the intention of appellants to secure in their original application claims covering such subject matter."

2. SAME—SAME.

Appellants F and F *Held* not entitled to claims in a reissue application covering subject matter which they neither disclosed nor had any intention of claiming in the application on which their patent issued.

APPEAL from the Patent Office. Affirmed.

Messrs. Busser & Harding (*Mr. Frank S. Busser* of counsel) for Frevert et al.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

HATFIELD, *J.:*

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting claims 1, 2, 3, and 6 to 14, inclusive, in appellants' application for a patent for an alleged invention relating to useful improvements in alloy steel for internal combustion valves or valve elements.

Appellants' involved application is for a reissue of their Patent No. 2,142,781, issued January 3, 1939, on an application filed October 15, 1938.

Claims 1, 2, and 3, which are illustrative of the appealed claims (claims 6 to 14, inclusive, "being dependent claims"), read:

1. An alloy steel which contains carbon .05 to 1.0%, chromium 11–17%, manganese .65 to 2.75%, silicon 2 to 5%, nickel 2 to 8%, copper 1 to 5%, *the percentage of nickel substantially exceeding the percentage of manganese*, the balance of the composition being substantially iron, said steel being characterized by exceptional strength at high temperature, high resistance to scaling, ductility when cold as well as when hot, and ready machinability and hardenability.

2. An alloy steel which contains carbon .05 to 1.0%, chromium 11–17%, manganese .65 to 2.75%, silicon 2 to 5%, nickel 2 to 8%, copper 1 to 5%, *the percentage of nickel exceeding the percentage of each of the elements manganese and silicon*, the balance of the composition being substantially iron, said steel being characterized by exceptional strength at high temperature, high resistance to scaling, ductility when cold as well as when hot, and ready machinability and hardenability.

3. An alloy steel which contains carbon .05 to 1.0%, chromium 11–17%, manganese .65 to 2.75%, silicon 2 to 5%, nickel 2 to 8%, copper 1 to 5%, *the percentage of nickel not being less than the percentage of manganese and silicon combined*, the balance of the composition being substantially iron, said steel being characterized by exceptional strength at high temperature, high resistance to scaling, ductility when cold as well as when hot, and ready machinability and hardenability. [Italics not quoted.]

The appealed claims were rejected by each of the tribunals of the Patent Office on the ground that they contained new matter in that the limitations—"*the percentage of nickel substantially exceeding the percentage of manganese*," contained in claim 1, "*the percentage of nickel exceeding the percentage of each of the elements manganese and silicon*," contained in claim 2, and "*the percentage of nickel not being less than the percentage of manganese and silicon combined*," contained in claim 3—were not disclosed in the application upon which appellants' patent issued. [Italics ours.]

With the exception of the hereinbefore-italicized limitations, appealed claims 1, 2, and 3 are identical with claim 1 of appellants' patent.

In rejecting the appealed claims on the ground that they contained new matter, the Board of Appeals said:

It is clear from the reissue oath that the original specification so stated the percentages of nickel and manganese as *to include alloy steels inoperative for applicants' purpose*. It is also stated in the oath that the one essential feature is not specified in the patent specification and that in any one composition the percentage of nickel must substantially exceed the percentage of manganese.

This condition was revealed, according to the oath, only by repeated reading of the specification and comparison of the same with very numerous tests of variable percentages of said constituents (meaning manganese, silicon and nickel).

The oath continues "It became evident that it would be possible to produce an alloy steel that would be within the terms of claim 1 • • • that would not have all the characteristics ascribed to the invention in the description."

What these numerous tests were we do not know, *but apparently applicants became aware of or discovered the further limitation on the percentage of nickel necessary in the alloy after the patent was granted.*

It, therefore, seems obvious that the claims are directed to new matter and it is clearly suggested by the wording of the oath that new matter is involved. Certainly, no one relying exclusively on the original specification would place any such critical limitation on the amount of nickel as is stated in claims 1, 2, and 3.

We do not find in the original disclosure any disclosed or obvious critical relation between the nickel and the combined silicon and manganese or each of the silicon and manganese or the nickel and manganese. [Italics not quoted.]

The Board of Appeals denied appellants' petition for reconsideration of its original decision and, in so doing, adhered to the views it had theretofore expressed.

Section 4916 of the Revised Statutes, so far as pertinent to the issues here presented, reads:

Sec. 4916. (U. S. C., title 35, sec. 64.) Whenever any patent is wholly or partly inoperative or invalid, by reason of a defective or insufficient specification, or by reason of the patentee claiming as his own invention or discovery more than he had a right to claim as new, if the error has arisen by inadvertence, accident, or mistake, and without any fraudulent or deceptive intention, the Commissioner shall, on the surrender of such patent and the payment of the duty required by law, cause a patent for the same invention, and in accordance with the corrected specification, to be reissued to the patentee or to his assigns or legal representatives, for the unexpired part of the term of the original patent. • • • but no new matter shall be introduced into the specification • • •.

It is contended here by counsel for appellants that the italicized limitations contained in appealed claims 1, 2, and 3 are clearly disclosed in appellants' patent, both in the written specification and by necessary construction, in claims 2 and 3 thereof (allowed claims numbered 4 and 5), which read:

2. An alloy steel which contains carbon .05 to .65%, chromium 14 to 15.5%, manganese .00 to 1.3%, silicon 3 to 4%, nickel 4.5 to 7.5% and copper 2.25 to 3%, the balance of the composition being substantially iron, said steel being characterized by exceptional strength at high temperature, high resistance to scaling, ductility when cold as well as when hot, and ready machinability and hardenability.

3. An alloy steel which contains carbon .05 to .65%, chromium not varying more than two per cent from 14.75%, nickel not varying more than two per cent from 6%, silicon not varying over one per cent from 3.5%, manganese not varying over .5% from 1.1%, copper not varying over one per cent from 2.5%, the balance of the composition being substantially iron, said steel being characterized by exceptional strength at high temperature, high resistance to scaling, ductility when cold as well as when hot, and ready machinability and hardenability.

It will be observed that in claim 2 of the patent (allowed claim 4) the stated percentage of nickel is greater than the stated percentage of either manganese or silicon; that in claim 3 of the patent (allowed claim 5) the stated percentage of nickel is greater than the stated percentage of manganese but not necessarily greater than the stated percentage of silicon; and that in neither of those claims is the required percentage of nickel as great as the stated percentage of manganese and silicon combined.

It appears from appellants' patent that the manganese, silicon, and nickel might be present in varying percentages. We quote:

• • • Manganese over .65% and under 2.75% and *preferably* .9 to 1.2%. Silicon 2 to 5%, *preferably* 3 to 4%. *Nickel may vary within a wide range, but should be over 2% and under 8%, and is preferably between 5 and 7.5%.* [Italics not quoted.]

• • • • • • •

Specific examples of alloy steel possessing in high degree all the qualities hereinbefore enumerated as essential [so far as the percentages of nickel, manganese, and silicon are concerned] are:

Ni	Mn	Si
5.25	1.08	3.33
7.25	1.18	3.51

It is apparent from their patent that appellants disclosed alloy steels in which the stated percentage of nickel was greater than the stated percentage of either manganese or silicon or both. However, there is nothing in the patent to indicate that, in order to obtain an alloy steel having the characteristics therein described, it was necessary that the percentage of nickel contained therein should be substantially in excess of the percentage of manganese (as required by appealed claim 1), or that the percentage of nickel should exceed the percentage of each "of the elements manganese and silicon" (as stated in appealed claim 2), or that the percentage of nickel should be not less than the percentage of manganese and silicon combined (as stated in appealed claim 3).

It is stated in appellants' "Reissue Oath" that appellants' patent is

"inoperative or invalid as to certain claims thereof for the reason that the specification thereof is defective and insufficient, and that such defect and insufficiency *consists particularly in so stating the percentages of manganese and nickel as to include possible alloy steels that would not accomplish the objects of the invention and particularly in the failure to specify that the percentages of manganese and nickel shall be such that the percentage of nickel shall substantially exceed the percentage of manganese and, to produce the best results, should also exceed the percentage of silicon and may, with advantage, exceed the percentage of manganese and silicon combined;* • • • that one essential feature of the invention is that in any one composition *the percentage of nickel must substantially exceed the percentage of manganese and in the best embodiment of the invention should also exceed the percentage of each of the elements manganese and silicon and preferably should exceed the percentage of manganese and silicon combined;* that such errors so particularly specified arose as follows: that the possible combinations of variable factors with respect to percentages of the various constituents are so numerous that *it was only by repeated reading of the specification of the original patent and comparison of the same with the very numerous tests of variable percentages of said constituents that it became evident that it would be possible to produce an alloy steel that would be within the terms of claim 1 and of certain of the claims dependent thereon that would not have all the characteristics ascribed to the invention in the description.*" [Italics not quoted.]

[1] It is evident from the quoted excerpt from appellants' "Reissue Oath" that it was not until after appellants' patent issued and numerous tests had been made that it was ascertained that, in order to secure an alloy steel having the characteristics described in the patent, it was necessary that the percentage of nickel be greater than the percentage of manganese, or that it be greater than the percentage of each of the elements manganese and silicon, or that it be not less than the percentage of manganese and silicon combined. That being so, it could not have been the intention of appellants to secure in their original application claims covering such subject matter.

[2] In view of the fact that appellants neither disclosed nor had any intention of claiming the subject matter defined in the italicized portions of appealed claims 1, 2, and 3 in the application on which their patent issued, they are not entitled to claims in a reissue application covering such subject matter. *Parker and Whipple Company* v. *Yale Clock Company*, 123 U. S. 87, 100, 101, 41 O. G. 811; *Myles Morgan* v. *Alden M. Drake et al.*, 17 C. C. P. A. (Patents) 729, 36 F.(2d) 511, 393 O. G. 250; *In re Whittelsey*, 23 C. C. P. A. (Patents) 1268, 83 F.(2d) 894, 473 O. G. 497. See also *Kollsman* v. *Carbonara*, 24 C. C. P. A. (Patents) 1149, 88 F.(2d) 966, 484 O. G. 976, and Walker on Patents, Deller's Edition, volume two, sections 310 and 311, pages 1354 to 1359, and cases therein cited.

Counsel for appellants here rely upon the decisions in the following cases: *The Chapman-Stein Company* v. *Rust Engineering Company*, 5 U. S. P. Q. 495, decided by the District Court for the Western District of Pennsylvania, wherein it was held that claims in a reissue patent which were narrower than the claims of the original patent and which contained limitations disclosed and intended to be claimed in the original patent were valid (affirmed by the Circuit Court of Appeals, Third Circuit, *Rust Engineering Company* v. *Chapman-Stein Company*, 12 U. S. P. Q. 521, 57 F.(2d) 38); *Holzhauer Products Corporation* v. *Max Zaiger*, 30 U. S. P. Q. 258, 15 F. Supp. 1006, decided by the District Court for the District of Massachusetts, wherein it was held that a claim in a reissued patent which did not "introduce new element but" stressed "relationship of elements not in original claims although suggested as possible in drawings and specifications" was valid: *Fehr et al.* v. *Activated Sludge, Inc.*, 30 U. S. P. Q. 175, 84 F.(2d) 948, wherein it was held by the Circuit Court of Appeals, Seventh Circuit, that a claim in a reissued patent, which was narrower than a claim in the original patent and which covered subject matter included within the original broad claim and which was intended to be claimed in the original patent, was valid; and *Steiner & Voegtly Hardware Co.* v. *Tabor Sash Co.*, 178 Fed. 831, decided by the Circuit Court, District of New Jersey, wherein it was held that claims in a reissued patent which were narrower than the claims of the original patent and which were limited to the patentee's "actual invention" disclosed in his original patent were valid.

It will be observed that in all of those cases the narrowed reissued claims were for subject matter disclosed in and apparently intended to be covered by the original patents, whereas, in the instant case, the subject matter defined in the italicized portions of appealed claims 1, 2, and 3 was not only not disclosed in appellants' patent, but obviously was not intended to be claimed therein.

We are of opinion, therefore, that the appealed claims contain new matter as was held by each of the tribunals of the Patent Office. Accordingly, the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE ASHMORE

No. 4,454. Decided May 5, 1941

[119 F.(2d) 435]

PATENTABILITY—METHOD OF FORMING PAVING.

Claims to a method of forming paving from fusible earth material *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. Edw. V. Hardway (*Mr. W. Britton Moore* of counsel) for Ashmore.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

GARRETT, *P. J.:*

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming that of the Examiner rejecting, in view of prior art cited, three method claims numbered, respectively, 2, 4, and 17, embraced in an application for patent relating to "Apparatus and Method for Fusing Earth Material in Place." Two apparatus claims and seven method claims stand allowed.

Claim 2 is illustrative of the appealed claims. It reads:

2. The method of forming paving from fusible earth material which consists in bringing natural earth formation to the desired final contour, fusing said material in undisturbed condition in place by the application of heat thereto thus forming a continuous, hard surface.

The prior art cited is a patent to one Irvine, No. 2,095,637, dated October 12, 1937.

The brief on behalf of appellant reads:

The invention involved in the application insofar as the rejected claims 2, 4, and 17 are concerned relates to the method of fusing earth material in place and more particularly to the method of forming paving from fusible earth material which consists in the bringing of the natural earth to the desired contour and fusing the material, while in said contour and while undisturbed, by the application of heat thereto to form a continuous hard surface.

* * * * * * *

It may be here noted that each of the claims include, as a part of the method, the contouring of natural earth formation into the final form of the roadway, the fusing of said material while in said contoured shape and allowing the material to remain undisturbed during the fusing process so as to form a continuous hard surface for the roadway.

In the brief filed by the Solicitor for the Patent Office it is said:

The patent to Irvine, 2,095,637 * * * relates to a machine for the heat treatment of earth roads and surfaces. Since the appealed claims are method claims the apparatus disclosed in the patent is of minor importance here, the important point here being how the apparatus operates, that is, the process which is carried out when the apparatus is used. The patent stated * * * that the device disclosed "is for applying heat to the natural earth road surfaces thus rendering them nonplastic and better capable of carrying traffic in varying weather conditions." It is further disclosed in the patent * * * that the device "moves along an existing earth road or prepared surface converting the surface layer of earth into bricklike material as it goes."

It is further indicated in the patent * * * that a scarifying attachment may be provided. It is further indicated in the patent * * * that the scarifier may be mounted upon a frame and that the frame can be raised or lowered as required.

The controversy as to the appealed claims revolves about a scarifying attachment referred to in the patent to Irvine.

The claims at issue do not require the use of a scarifier, but seem, in a sense, to negative the use of one after the earth material has been brought to the contour desired, the negation being expressed, for example, in count 2 by the phrase "fusing said material in *undisturbed* condition." [Italics ours.]

In the decision of the Board it was said:

Appellant contends that in using his apparatus the surface of the road is not disturbed so that it will be possible to obtain a monolithic slab. Except for the scarifier, claims 2, 4, and 17 will read on the patent. We are of the opinion that the mere omission of the scarifier and its function does not amount to invention.

Appellant has pressed the same point relative to the absence of any scarifier in carrying out his method which he pressed below and his arguments have been given respectful consideration.

As we view it, the gist of appellant's claimed invention, as expressed in the appealed claims, lies in fusing the material in place after such material has been so placed as to form the contour desired; not in forming the contour. It is conceivable that a method of forming roadway contours, without the use of a scarifier or scarifiers, might be devised which would be patentable, but so far as the process of fusing the material in place is concerned, we are unable to discern wherein there would be any invention in omitting such devices when not wanted. It may be remarked that the appealed claims are so broad that they would not seem to exclude the use of scarifiers even in forming the contour were the use of such necessary. The only part of the operation from which, apparently, they are excluded, assuming that the phrase "in undisturbed condition" does exclude them, is the application of heat without them after the contour has been formed by whatever method of contouring may be used.

We find no error in the rejection of the appealed claims and the decision of the Board is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE ANDRUS

No. 4,467. Decided May 5, 1941

[119 F.(2d) 428]

1. PATENTABILITY—NOT TO BE MEASURED BY ALLOWED CLAIM.

General rule to the effect that a rejected claim will not be measured by an allowed claim in passing upon the patentability of the rejected claim observed.

2. SAME—CORROSION RESISTANT METALLIC STRUCTURE.

Claim to a corrosion resistant metallic structure *Held* properly rejected as too broad in view of the state of the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. Elwin A. Andrus for Andrus.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

GARRETT, *P. J.:*

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming that of the Examiner denying patentability of a claim, numbered 8, in appellant's application for patent relating to "Corrosion Resistant Metallic Structures," filed April 6, 1935. Eight claims, Nos. 1 to 7, inclusive, and No. 9 stand allowed.

The appealed claim reads:

8. A corrosion-resistant metallic structure which comprises a metal base, a coating applied to said base, said coating being resistant to the action of corrosive agencies present in the medium contacting therewith and of high electrical resistance, and being so firmly bonded to the metal base as to remain undetached therefrom by the hydrogen pressure developed when an electric current passes from said medium into the metal base through defects in its coating, and means for maintaining the metallic structure electrically negative with respect to said medium in order to cathodically protect from corrosion those parts of the structure which are not protected by the coating.

It appears that the application has twice been acted upon by the respective tribunals of the Patent Office. As originally acted upon by the Examiner, it embraced seven claims, numbered 1 to 7, and that tribunal rejected all of them upon prior art cited. Upon appeal to the Board that tribunal, on July 20, 1937, reversed the decision of the Examiner and allowed the claims. The application seems to have reached the stage of allowance August 2, 1937, but on November 29, 1937, the applicant, not having paid the final fee, filed a petition for renewal, amendment to allowed claim 1 being made, and two additional claims (8 and 9) being submitted. The Examiner again rejected all the claims, citing certain art which, apparently, had not been cited originally. Upon appeal, the Board again reversed the Examiner as to all the claims, except the new claim 8 which is now at issue.

The prior art cited by the Examiner in his statement following the second appeal to the Board was embraced in two patents and a publication listed as follows: Smith, 1,842,298, January 19, 1932; Perkins, 1,958,765, May 15, 1934; Proc. American Petroleum Institute, vol. 14, sec. IV (1933), page 152.

The Examiner first rejected claim 8 along with all the others on the first and third of the above references and then rejected it upon the Perkins patent also, saying in his statement:

Claim 8 is also deemed unpatentable over Perkins. The lacquered container of this reference in electrical contact with an aluminum alloy meets the structural elements of this claim. The functional definition of the coating without any indication of the constitution thereof, is insufficient to distinguish patentably over the reference structure. Moreover, the varnish, lacquer or paraffine coating of the reference are deemed to possess the same functions and characteristics.

In its decision the Board, after stating, in substance, that the newly cited references upon which the claims were rejected by the Examiner were not regarded by it as being substantially different from those upon which claims 1 to 7 had originally been rejected by him, which rejection the Board had reversed, and after again allowing those claims (together with claim 9), said of claim 8:

Claim 8 is based so broad as to cover the obviously desired end and, in view of the state of the art, we do not consider that appellant is entitled to a monopoly of this breadth.

We assume that by use of the clause "in view of the state of the art," the Board approved the application with respect to claim 8 of all the art cited by the Examiner. So considering it, it seems to us that the brief filed before us by the Solicitor for the Patent Office accurately states the situation as follows:

It seems obvious * * * that so far as appealed claim 8 is concerned, appellant is claiming the same three element combination which was old in the prior art, namely, metallic base, the coating therefor, and the means for connecting the negative terminal of the source of direct-current voltage to the metal base.

Mere inspection of the claim itself shows that the only feature at all in which it purports to distinguish from the prior art is in the nature of the coating used upon the metal base and it is further obvious that the coating is described wholly in terms of its result rather than by the structure of the coating itself.

In its decision of July 20, 1937, above alluded to, the Board held that it was patentable to substitute an

"old coating of vitreous enamel for the bituminous coating which had been described for use in connection with the electrical corrosion-preventing means,"

because, as stated by it,

"we have no reason to believe that it would occur to one skilled in the art that the blistering of the coating could be avoided by switching from the bituminous material to the enamel."

It is obvious from its decision, involved in the instant appeal, that the views thus expressed were adhered to with respect to claims 1 to 7, notwithstanding the additional art cited by the Examiner, but that it regarded the appealed claim, in view of such additional art, as being too broad in character.

Specifically, appellant was granted claims which defined the use of vitreous enamel instead of bituminous material for coating purposes. In the appealed claim, however, no specific coating material is designated, but appellant attempts to secure patent on a structure including any and all coating materials "resistant to the action of corrosive agencies." The Examiner pointed out in the paragraph quoted, supra, that the lacquered container of the patent to Perkins meets the structural elements of structural claim 8. The phrase "resistant to the action of corrosive agencies" defines a result obtained by use of material and not the material for obtaining the result.

[1] [2] Much space has been devoted in the brief filed on behalf of appellant to a comparison of the appealed claim with certain of the allowed claims in the effort to show a similarity in principle between the former and the latter. No sufficient reason is advanced, however, for our not observing the general rule to the effect that a rejected claim will not be measured by an allowed claim in passing upon the patentability of the rejected claim. We are of opinion, considering the appealed claim upon its merits, that it was properly rejected. If some of the claims which stand allowed should have been disallowed for the same reason that controls with respect to the rejected claim the situation presented thereby is one over which this court has no jurisdiction under the facts of this case.

The decision of the Board is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

OLD MONK OLIVE OIL COMPANY

v.

SOUTHWESTERN COCA-COLA BOTTLING CO. (OLD MONK PUNCH COMPANY, ASSIGNEE SUBSTITUTED)

No. 4,468. Decided April 14, 1941

[118 F.(2d) 1015]

1. CANCELLATION—BURDEN ON PETITIONER.

Since a petition for cancellation must allege facts upon which injury is predicated, and as the S Co. in its answer denied all the allegations of fact in the petition for cancellation filed by the O Co., the burden was upon said petitioner to establish by competent evidence injury by the registration to the S Co. of the mark sought to be cancelled.

2. APPEAL—ASSIGNMENT OF ERROR.

The Commissioner had the right to consider the question whether it was necessary for the petitioner for cancellation, in order to succeed, to establish use of its trade-mark on or about the time its petition was filed, even though the Examiner of Trade-Mark Interferences did not refer thereto in his decision and the point was not specifically raised by the assignment of errors in the appeal by the respondent to the Commissioner, since the question stood at the very threshold of the cancellation proceeding and was put in issue by the pleadings.

3. SAME—SAME.

"Where not restricted by statute, it is the general rule that a court may note and consider a plain error though unassigned. *Mahler* v. *Eby*, 264 U. S. 32. We find nothing in the statute or the rules of the Patent Office prohibiting the Commissioner, in appeals under his jurisdiction, from noting and considering plain errors appearing from the record before him, although such errors are not assigned by the party taking an appeal."

4. CANCELLATION—USE OF TRADE-MARK BY PETITIONER—TIME OF USE.

In a cancellation proceeding involving a technical trade-mark, use of the mark by the petitioner on or about the time of filing its petition must be established.

5. SAME—SAME—APPLICATION AS PROOF.

In a cancellation proceeding, the petitioner's application for registration of its mark is not evidence of use thereof on or about the date of filing of said application.

6. SAME—INJURY.

Rejection of petitioner's application upon the registered mark of respondent sought to be cancelled is not sufficient proof of injury where petitioner has not shown that it was using its mark on or about the time its petition was filed.

APPEAL from Patent Office. Affirmed.

Mr. Edward D. Jones for Old Monk Olive Oil Co.

Mr. John J. Riley for Southwestern Coca-Cola Bottling Co. (Old Monk Punch Company, Assignee substituted.)

LENROOT, *J.*:

This is a trade-mark cancellation proceeding wherein appellant brings before us for review a decision of the Commissioner of Patents which reversed a decision of the Examiner of Trade-Mark Interferences sustaining appellant's petition for cancellation of registration No. 183,211, issued on April 22, 1924, under the provisions of the Trade-Mark Act of February 20, 1905. The mark so registered consists of the words "Old Monk" applied, as stated in the application, to "Ginger Ale, Orange, Lemon, Lime, and Punch, All Being Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks."

It appears that on April 13, 1938, appellant filed in the United States Patent Office an application for the registration of the words "Old Monk" applied to loganberry juice and grape juice. The application states that "The trade-mark has been continuously used and applied to said goods in applicant's business since 1913."

On May 6, 1938, this application was rejected by the Examiner upon registration No. 183,211 above referred to. On April 6, 1939, further proceedings upon this application were suspended pending the outcome of appellant's said petition for cancellation of registration No. 183,211.

On June 10, 1938, appellant filed, under the provisions of section 13 of said Trade-Mark Act, a petition for the cancellation of said registration No. 183,211, alleging that it deemed itself injured by said registration; that appellee's said registration had been cited by the Examiner to appellant's application for registration above referred to; that appellee was not entitled to the use of the mark disclosed by said registration because, long prior to the date of first use claimed in said registration, appellant had commenced the use of the trade-mark consisting of the words "Old Monk" associated with the picture of an old monk, for loganberry juice and grape juice, and that on the filing date of appellee's said registration application, December 12, 1923, petitioner (appellant here) was making and had made exclusive sales of its said "Old Monk" loganberry juice and grape juice, and that since said date of December 12, 1923, petitioner has made extensive sales of its said juices, and has never abandoned its mark; that, by reason of the facts alleged, appellee's registration No. 183,211 is invalid under the confusion in trade clause of section 5 of said Trade-Mark Act. Allegations were also made that appellee had abandoned its mark, and that the goods to which the respective marks are applied are of the same descriptive properties.

Appellee's answer, while not specifically denying appellant's general allegation of injury, did deny all of the specific allegations of fact set forth in appellant's petition.

[1] That a petition for cancellation must allege facts upon which injury is predicated is well established. *Model Brassiere Co., Inc.*, v. *Bromley-Shepard Co., Inc.*, 18 C. C. P. A. (Patents) 1294, 49 F.(2d) 482, 411 O. G. 538; *McIlhenny's Son* v. *New Iberia Extract of Tobasco Pepper Company, Ltd.*, 30 App. D. C. 337, 153 O. G. 547.

Therefore, appellee having denied in its answer all of the allegations of fact in appellant's petition, the burden was upon appellant to establish by competent evidence injury by the registration of the mark sought to be cancelled.

Appellee offered no evidence. Appellant moved under rule 157 of the Rules of Practice of the United States Patent Office to incorporate in the instant record the testimony taken and certain of the exhibits introduced in 1933 in a previous opposition proceeding between the same parties, involving the said mark of appellant and a mark of appellee consisting of the words "Old Monk."

This motion was granted over the objection of appellee that the evidence referred to in the motion was incompetent, and not properly subject to motion under rule 157.

Appellant also gave notice that, at the final hearing of the cause, it would use as evidence an official copy of said application of appellant to register the trade-mark "Old Monk" in Class 45, Beverages, nonalcoholic, Serial No. 405,218, filed April 13, 1938, and then pending in the Patent Office.

This notice was treated as a motion by the Examiner of Trade-Mark Interferences and was granted over the objection of appellee that the subject of the notice is immaterial, irrelevant, and incompetent for the purposes of this proceeding. No other evidence was offered by appellant.

Before final hearing appellee moved to strike from the record all of the incorporated evidence from the opposition hereinbefore referred to as embracing an unrelated issue, and as incompetent because in "direct conflict with rule 154 (*a*) * * *."

Also before final hearing, appellee moved that a decree pro confesso be entered upon the ground that no competent testimony had been introduced supporting the allegations of the petition for cancellation.

The Examiner of Interferences postponed to final hearing consideration of the motion to strike out the evidence in the opposition proceeding, and denied appellee's motion for a decree pro confesso upon the ground that such a decree is directed only against a respondent. Further, the Examiner of Interferences stated that, treating appellee's motion for a decree pro confesso as one to dismiss appellant's petition for cancellation, it was denied.

The decision of the Examiner of Interferences, following final hearing, denied appellee's motion to strike out the evidence incorporated from the opposition proceeding, and upon the merits of the controversy stated:

> The proofs here relied upon by the petitioner are deemed sufficient to establish its use of "Old Monk," the mark also disclosed in the registration here sought to be cancelled, in connection with goods possessing the same descriptive properties as the goods of the respondent and as of a date prior to December 12, 1923, the filing date of the application maturing into the registration of the respondent.
>
> Accordingly, the petition for cancellation is sustained and it is recommended that registration No. 183,211, involved herein, be cancelled.

Upon appeal by appellee the Commissioner reversed the decision of the Examiner of Interferences. He stated in part in his decision as follows:

> The only evidence in the record is the testimony taken in an opposition proceeding between the same parties, which, for various reasons, respondent's counsel insist was improperly received and should have been stricken.
>
> * * * * * * *
>
> I am clearly of the opinion that much of the testimony taken in the opposition proceeding was relevant and material in the instant proceeding, and that there was no impropriety in the granting of petitioner's motion that it be received, nor in denying respondent's motion to strike. It does not necessarily follow, however, that such testimony constitutes proof that petitioner is injured by the registration sought to be canceled. I think it does prove, as held by the Examiner, that petitioner had used the mark in question "in connection with goods possessing the same descriptive properties as the goods of the respondent and as of a date prior to December 12, 1923, the filing date of the application maturing into the registration of the respondent." But that is not sufficient.
>
> * * * * * * *
>
> The petition was filed June 10, 1938. Petitioner's testimony in the opposition proceeding was taken June 19, 1933. I find no reference therein to petitioner's use of the mark on grape juice; but it does appear that petitioner was then using the mark on loganberry juice, and had so used it since 1915. As loganberry juice unquestionably is of the same descriptive properties as the goods set forth in the registration, it follows that if such use by petitioner may be presumed to have continued, petitioner has shown itself to be injured within the meaning of the statute, and the registration should be canceled.

The Commissioner then held that such presumption was not warranted and that appellant, in order to succeed, must have alleged and proved that it was using such mark at or about the time its petition was filed.

In support of this holding he cited our decision in the case of *Model Brassiere Co., Inc.*, v. *Bromley-Shepard Co., Inc.*, supra, and the case of *Skene* v. *Marinello Co.*, 50 App. D. C. 265, 286 O. G. 203.

The Commissioner concluded his decision as follows:

> In the instant proceeding there is no evidence that petitioner had used its mark, upon any goods pleaded in the petition, for a period of five years immediately preceding the filing of the petition. To say that it used the mark upon such goods throughout that five year period would be pure speculation. The burden was upon petitioner to prove its case as alleged, and in my opinion it has failed to discharge that burden.
>
> For the reasons stated the decision of the Examiner of Interferences is reversed.

Both of the Patent Office tribunals having held that appellant was the prior user of the trade-mark "Old Monk" upon goods of the same descriptive properties as the goods to which appellee applied its registered mark "Old Monk," with which holding we are in agreement, the only question before us is whether the Commissioner erred in holding that appellant had not established injury by appellee's registration at the time of filing its application for cancellation of said registration.

Appellant contends:

1. That the Commissioner erred in considering this question for the reason that appellee had not raised the question of injury before the Examiner of Interferences or in its assignments of error to the Commissioner from the decision of the Examiner.

2. That the record establishes that, at the time of filing its petition for cancellation, it was injured by the registration sought to be cancelled.

[2] Upon the first question we are clear that the Commissioner did not err in considering the question of injury to appellant. This question was squarely put in issue by appellee's answer to appellant's petition for cancellation in its denial of all the specific allegations of facts in said petition.

It is true that the Examiner of Interferences made no reference to this point in his decision, and that appellee's assignment of errors in its appeal to the Commissioner does not specifically raise this question. However we have no doubt that the Commissioner had the right to consider this question, it having been put in issue by the pleadings, irrespective of whether the question had been raised in appellee's appeal.

The record did not present a case of insufficiency of evidence, concerning which appellant has cited

a number of cases; but, as held by the Commissioner, a case of an entire absence of competent and material evidence. If the Commissioner was correct as to this, then the question before him was one wholly of law, viz., whether it was necessary that appellant, in order to succeed, establish use of its trade-mark on or about the time its petition for cancellation was filed.

Inasmuch as this question stood at the very threshold of the proceeding, and was put in issue by the pleadings, we are of the opinion that the Commissioner had the right to consider it, even though not specifically raised in appellee's appeal from the decision of the Examiner of Interferences.

[3] Where not restricted by statute, it is the general rule that a court may note and consider a plain error though unassigned. *Mahler* v. *Eby*, 264 U. S. 32. We find nothing in the statute or the rules of the Patent Office prohibiting the Commissioner, in appeals under his jurisdiction, from noting and considering plain errors appearing from the record before him, although such errors are not assigned by the party taking an appeal.

[4] The next question is whether, in order for appellant to succeed, it was incumbent upon it to establish use of its trade-mark upon loganberry juice or grape juice on or about the filing date of its petition.

We are in agreement with the decision of the Commissioner that this is necessary. We have so held in the case of *Model Brassiere Co., Inc.*, v. *Bromley-Shepard Co., Inc.*, supra. We there stated:

> It is clear to us that there is a distinction between the proof required to show the statutory authority to petition for cancellation and the injury or damage which would be resultant from an invalid registration in a case where the petitioner claimed to be the owner of a valid trade-mark, and a case where he disputed the right of ownership in anyone. In the former it is clear that he should show such facts as would show his ownership and use at the time the petition was filed. In that case it would be important for him to allege and prove that he was making a trade-mark use of the mark at the time of filing the petition, since, if he was not using it at that time, it would be possible that he had abandoned its use altogether.

It is true, as observed by appellant's counsel, that the language above quoted is to a great extent obiter dictum in that our discussion of the proof required to show the statutory authority to petition for cancellation of a registered trade-mark by one claiming to be the owner of a valid trade-mark was not necessary to our decision; and yet the question was whether there was a distinction between the proof required of a petitioner for cancellation claiming to own a valid trade-mark and the proof required of a petitioner who merely claimed the right to use a descriptive mark and disputed the right of ownership of such a mark in anyone. A majority of the court held that there was such distinction, and that the law in this regard relating to cancellation of technical trade-marks is not applicable to cancellation of descriptive marks. A minority of the court, while in full agreement with the views of the majority with reference to technical trade-marks, disagreed with the majority opinion upon other grounds.

In the case of *Skene* v. *Marinello Co.*, supra, the Court of Appeals of the District of Columbia (now the United States Court of Appeals for the District of Columbia) held that proof by a petitioner for the cancellation of a registered mark that she was using the mark in 1917 was not satisfactory proof that she was doing so a year and a half later, and the court affirmed a decision of the Commissioner denying the petition for cancellation for lack of proof establishing injury to the petitioner by the registration of the mark sought to be cancelled.

In the case of *American Cyanamid Co.* v. *Synthetic Nitrogen Products Corp.*, 19 C. C. P. A. (Patents) 1235, 58 F.(2d) 834, 423 O. G. 299, which involved a cancellation proceeding, after citing a number of cases we said:

> It is true, as announced in some of these cases, that damage must be shown in cancellation proceedings. But there can be no doubt that damage is established by the proof in this case. The appellee was using its registered mark in interstate commerce at the time its petition for cancellation was filed. These are sufficient facts from which damage will be assumed.

There are also many decisions of the Commissioner of Patents holding that, in a cancellation proceeding involving a technical trade-mark, use by the petitioner of the mark on or about the time of filing his petition must be established.

[5] There is no evidence in the record showing use by appellant of its mark at any time within five years immediately preceding the filing of its petition, unless petitioner's application for registration of its mark, filed April 13, 1938, is prima facie evidence of use of the mark by petitioner on or about that date, as contended for by appellant. That it would be such prima facie evidence in an opposition proceeding involving that application we have no doubt; but this is a cancellation proceeding, and appellant's application of April 13, 1938, is not here involved. Appellee was in no way a party to the ex parte proceedings involving that application.

Appellant has cited no cases supporting its contention, and we have found none. When the use of its mark by appellant at the time of filing its petition was put in issue by appellee's answer, the burden was upon appellant to establish such use by competent proof. To consider appellant's application for registration of April 13, 1938, as supplying such proof would deprive appellee of any opportunity to cross-examine appellant's representatives respecting the correctness of the recitals in said application. In our opinion said application stands in the same relation to this proceeding as would an ex parte affidavit on behalf of appellant, which obviously could not be properly considered over the objection of appellee. Appellee did object to the consideration of appellant's April 13, 1938, application as

> "immaterial and irrelevant to the controversy involved and * * * entirely incompetent as evidence for the purposes of this proceeding."

The notice of intention to use said application as evidence herein was filed by appellant under the provisions of rule 154 (*e*) of the Rules of Practice in the United States Patent Office, which provides:

> Upon notice given to the opposite party before the closing of testimony, any official record, and any special matter contained in a printed publication, if competent evidence and pertinent to the issue, may be used as evidence at the hearing.

The Examiner of Interferences overruled appellee's objection to the consideration of said application, stating that the application would be considered, subject to the provisions of said rule.

It would seem that neither the Commissioner nor the Examiner of Interferences gave any consideration to said application, and it would appear from the decision of the Examiner of Interferences that appellant's said application was not relied upon by it for any purpose. The decision of the Examiner of Interferences states:

> Petitioner here relies solely upon certain testimony taken in a prior proceeding, namely, opposition No. 12,206, involving the same parties. * * *

The decision of the Commissioner states:

> The only evidence in the record is the testimony taken in an opposition proceeding between the same parties * * *.

It would, therefore, seem that appellant is making a contention on this appeal with respect to the evidentiary value of said application for registration that was not urged before the Examiner of Interferences on final hearing or before the Commissioner.

We would further observe that no motion was made by appellant for reconsideration of the Commissioner's decision.

[6] Appellant makes another contention, viz., that rejection of its 1938 application, upon appellee's registration here sought to be cancelled, is sufficient proof of injury to appellant by appellee's registration. That this would be true we have no doubt had appellant shown that it was using its mark as alleged in its petition on or about the time of the filing thereof; but in the absence of proper proof upon that subject the rejection of appellant's mark upon appellee's registration is immaterial.

But one question remains for consideration. It is appellant's contention that, the evidence having established that it was using its mark upon loganberry juice on April 13, 1933, the presumption is that such use continued until June 10, 1938, the filing date of appellant's petition for cancellation. Appellant has cited no authorities in support of this contention and we have found none.

It would have been easy for appellant to prove that it was using its mark at the time its petition for cancellation was filed, if such was the fact, and we are unable to understand its failure to do so.

In these days of rapidly changing conditions in the business world we think it would be very unsafe to indulge a presumption that one using a trade-mark on a certain date was also using it five years later, where the question of the later use is made an issue in the case.

It may be unfortunate for appellant to hold that it is not entitled to relief because of failure of proof of use of its mark at the time of filing its petition for cancellation; but under the rules of evidence, and in view of the issues made by the parties, we cannot do otherwise than find that the Commissioner committed no error in holding that appellant's petition for cancellation should be denied.

In conclusion we would observe that no question of abandonment by appellant of its mark is here involved, but only the question of its use on or about the time of the filing of its petition for cancellation. If it was not using its mark at that time, it was not injured by the existence of appellee's registration.

For the reasons herein stated, the decision of the Commissioner is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE LINCOLN AND BYRKIT

No. 4,389. Decided May 5, 1941

[119 F.(2d) 433]

PATENTABILITY—LUBRICATING OIL.

Claims of an application relating to a lubricating oil comprising in combination a major portion of hydrocarbon oil with a minor portion of a chlorinated acetylated ester of a fatty acid *Held* unpatentable over the prior patent cited.

APPEAL from the Patent Office. Affirmed.

Messrs. Oberlin, Limbach & Day for Lincoln et al.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

JACKSON, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming that of the Primary Examiner rejecting in view of the prior art all of the claims, 1 to 10 inclusive, of an application for a patent for alleged new and useful improvements in lubricating oils.

Claims 1, 9, and 10 are illustrative and read as follows:

> 1. A lubricating oil comprising in combination a major portion of a hydrocarbon oil and a minor portion of a chlorinated, acetylated ester of a fatty acid.
>
> 9. The method of reducing friction between relatively moving metallic surfaces which comprises maintaining therebetween a film of lubricating oil and at the same time chemically acting upon said surfaces by means of a chlorinated acetylated methyl ester of a fatty acid constituent present in said oil film in quantities less than 10%.
>
> 10. An extreme pressure lubricant comprising essentially mineral oil and including a small amount, less than 10%, of a chlorinated acetylated ester of a fatty acid, the amount of such ester being sufficient to substantially increase the film strength of the mineral oil but not sufficient to substantially modify the static properties of the composition.

The reference cited is: Mikeska et al., 2,049,072, July 28, 1936.

The application relates to a lubricating oil comprising in combination a major portion of hydrocarbon oil with a minor portion of a chlorinated acetylated ester of a fatty acid. The addition of the latter ingredient to the said oil results in an increase in the film strength of the oil and gives to the lubricant a high oiliness and extreme pressure characteristics.

The method of claims 8 and 9 merely sets out the use of the lubricant defined in the balance of the claims. Claims 1, 2, 3, 4, and 5 specify particular esters; claims 6 and 7 fix the quantity of the added ester at from about 0.1% to less than

10%, and claim 10 fixes the quantity at less than 10%.

The Mikeska et al. patent relates to improved lubricants and to methods of preparing the same. The first paragraph thereof contains the following statement:

> • • • More particularly it relates to the preparation of lubricants by blending with a mineral oil the product obtained by esterification of hydroxy groups in natural or synthetic fatty acids or glycerides, with special reference to castor oil, with or without subsequent stabilization of said esterified product as by hydrogenation.

The patent sets out that in carrying out the esterification reaction either organic acids themselves may be used or their corresponding anhydrides or chlorides. Among the methods of esterification in the patent there is described treatment with acetyl chloride. Acetyl chloride is a reaction product of acetic acid and phosphorous trichloride. In addition to the optional stabilization by hydrogenation, the patent further states that the esterified product may be stabilized by halogenation, alkylation, arylation or hydroxylation. The patent also states that from 5 to 50%, more or less, of the esterified substance is contained in the product.

The Examiner held claims 1 to 7 inclusive and claim 10 to be met in substance and completely anticipated by the reference and further held that claims 1 to 5 inclusive contain no distinction whatever from the Mikeska et al. patent. He stated he believed the recitals in claims 6, 7, and 10, that "the film strength of which [lubricant] has been substantially increased by the addition thereto" do not distinguish over the reference patent.

Certain of the claims of the appellants' application refer to "less than 10%," "from 0.1% to less than 10%," and a "minor proportion" in designating the quantity of esterified substance to be added to the hydrocarbon oil.

The appellants contended that these proportions distinguish from the teaching of the patent which provides that

> "Generally from 5 to 50%, more or less, of the esterified product will be sufficient to impart the desired characteristics to the mineral oil."

With this contention, however, the Examiner did not agree.

With respect to method claims 8 and 9, the Examiner pointed out that there is nothing in the specification of the application to support any alleged distinction between it and the Mikeska et al. patent in the phrase of the claims herein "Chemically acting upon said surfaces," because such function of the lubricant is not disclosed in either, and that even if this function were present it would necessarily follow from the practice of the patent and therefore is not new or distinctive.

The Board of Appeals, in its affirming decision, agreed with the reasoning and conclusions of the Examiner.

It is clear that method claims 8 and 9 merely set out the use of the claimed product, so that if the product claims are held to be unpatentable the same holding must apply to the method claims.

In their contention that the rejected claims define invention over the Mikeska et al. patent, appellants argue in their brief that the patent concerns primarily the production of a stable lubricant (one which will not in any way react with metal surfaces); that the materials sought to be stabilized are all hydroxy compounds which the patentee proposed to esterify in order to increase the stability of the material when used as or in a lubricant; that the patent fails to disclose the alleged invention of appellants in that it merely mentions halogenation broadly, not mentioning chlorination specifically, as a substitute for hydrogenation and then only as a stabilizing step, and that appellants' alleged invention is concerned with a lubricant which by reason of the material included therein will react with metal surfaces.

Appellants' argument that the primary purpose of the patentee was the production of a stable lubricant does not render the reference ineffective if in fact the patent discloses the alleged invention. See *In re King et al.*, 27 C. C. P. A. (Patents) 754, 107 F.(2d) 618, 510 O. G. 961, and authorities therein cited.

It is true that the reference teaches principally the treatment of hydroxy compounds, but the specification of appellants dealing primarily with hydroxylated compounds states that

> "The acetylation comprises the introduction of the acetyl radical (CH_3CO—) into the hydroxy fatty acid or the hydroxy alcohol which is used to form the ester."

Therefore it is clear that the acetylation by appellants is accomplished by esterification of the hydroxy group, which is disclosed by reference, even though the purpose of the patentee was stabilization, and which is shown in several examples of esterification set out in the patent and its use as described would necessarily produce acetylated esters of fatty acids.

Halogenation is mentioned once in the patent, but it is there set out as a substitute for hydrogenation. Chlorination is not mentioned specifically, as was pointed out by appellants, but chlorine seems to be, as stated in the brief of the Solicitor of the Patent Office, the representative halogen and the one most commonly used. If this be true, and we find nothing in the record to gainsay it, obviously its disclosure, while it possibly may be considered incidental, is sufficient to show that the subject of the claims is old. It appears to us however, that halogenation as mentioned in the patent is a positively stated substitution for hydrogenation.

The reference patent shows in several examples that the blends of oil and the added material are in equal ratio, but it is set out in the patent that

> "Generally from 5 to 50%, more of less, of the esterified product will be sufficient to impart the desired characteristics to the mineral oil."

Even if the greater percentages, so set out, would not possess extreme pressure quality, it cannot be questioned that the ratio of 5% corresponds to a range of less than 10% shown in some of the claims. The limitation of from 0.1% to 10% of the esters, contained in the claims, cannot be considered critical for the reason that the application provides for a ratio up to 10% or more.

We are of opinion that lubricants are disclosed by the Mikeska et al. patent which are identical with those claimed in the application of appellants, and that there is nothing critical in the quantity of the added material as set out by the rejected claims.

The Mikeska et al. patent does not teach the extreme pressure properties of the product, but nevertheless it must be considered as applicable prior art. A reference is sufficient for anticipation if the product of the application would necessarily result from the same composition disclosed in the patent.

There is nothing in appellents' specification to support the limitation "chemically acting upon said surfaces," contained in the method claims. Even if the claims were so supported, the operation of the same product disclosed in the reference would inherently possess the same chemical characteristic as that claimed. We do not think that the intended use of the lubricant as disclosed in the Mikeska et al. patent differs in manner of use from that set out in the method claims herein.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

THOMAS PUBLISHING COMPANY

v.

HARVEY & HOWE, INC.

No. 4,440. Decided May 5, 1941

[119 F.(2d) 430]

TRADE-MARKS—CONFUSING SIMILARITY.

The composite trade-mark comprising the symbol "H & H" in the form of a monogram running completely through a disk-shaped solid background and the notation "What's New in Home Economics" in slanted block letters extending through the lower portion of the disk, for use upon a periodical relating to home economics *Held* not confusingly similar to a trade-mark comprising "Industrial Equipment" in block letters and "What's New" in relatively very small italicized letters directly therebeneath used on a periodical in which appear news items and advertisements peculiar to industrial equipment, parts and materials.

APPEAL from the Patent Office. Affirmed.

LENROOT, *J.*, not participating.

Mr. Lester L. Sargent for Thomas Publishing Co.

Mr. Erwin W. Roemer for Harvey & Howe, Inc.

JACKSON, *J.*:

This is an appeal in a trade-mark opposition proceeding from a decision of the Commissioner of Patents affirming a decision of the Examiner of Interferences dismissing appellant's notice of opposition to the registration of appellee's composite trade-mark comprising the symbol "H & H" in the form of a monogram running completely through a disk-shaped solid background and the notation "What's New in Home Economics" in slanted block letters extending through the lower portion of the disk, for use upon a periodical called "What's New in Home Economics". The decision of the Commissioner also affirmed that of the Examiner adjudging appellee to be entitled to the registration for which application was made.

Appellee stated in its application, filed May 14, 1937, that it had used its mark on its goods since September 15, 1936.

It appears that appellant is the owner of registration No. 332,611, issued February 18, 1936, on an application filed August 5, 1935, of the trade-mark comprising "Industrial Equipment News" in block letters and "What's New" in relatively very small italicized letters directly beneath the other words. The mark was used on a periodical published by appellant.

Appellant is the owner of two other registrations as applied to periodicals containing the words "What's New". One of the registrations, No. 353,515, dated January 11, 1938, upon an application filed June 28, 1937, is similar in form to that of registration No. 332,611, except the words in block letters of the latter registration consist of the notation "Building Products." The other registration, No. 369,707, dated August 1, 1939, upon an application filed March 9, 1939, consists of the words "What's New" in large italics.

The sole issue in the case is whether the marks of the respective parties, by reason of containing the words "What's New," are confusingly similar within the scope of section 5 of the Trade-Mark Act of February 20, 1905, as amended.

The appellant relied upon its registered marks Nos. 332,611 and 353,515. Both parties took testimony. The evidence of appellant disclosed that its periodical "Building Products—What's New," to which was applied the registered mark No. 353,515, was first published in April 1937, and the statement in that trade-mark registration alleged first use of the mark to have been May 4, 1937. Since those dates are later than the date of appellee's use of its mark, registration No. 353,515 was not considered by the tribunals of the Patent Office.

Appellant filed a petition for reconsideration and rehearing by the Commissioner, in which petition a copy of its registration No. 369,707, heretofore mentioned, was made a part. One of the reasons for reconsideration advanced was that in applying for registration of the mark "Building Products—What's New," appellant had merely extended the use of the words "What's New" appearing in the earlier trade-mark "Industrial Equipment News—What's New," and that appellant had the right to so extend that portion of the mark to a second magazine and further that appellant had in fact made such an extension when it applied the expression "What's New," registration No. 369,707, to a third magazine. The Commissioner denied the petition without opinion.

Among the reasons of appeal here, the decision of the Commissioner, denying the petition as based on the aforementioned ground, is assigned as error. With this reason of appeal we cannot agree. To hold with appellant would be in effect to lay down a principle that any insignificant words constituting part of a mark, regardless of prior trade-mark use as such, would be sufficient to warrant successful opposition to the registrability of another trade-mark utterly different, in every respect, save that it contains such words. Of course, as is stated in appellant's brief, it is well established that one may extend his trade-mark to other goods of the same class. However, that was not done by appellant. A mere inspection of the earliest mark of appellant shows that it was not "What's New."

The evidence shows that the periodical of appellant under consideration bears as its title the registered trade-mark "Industrial Equipment News—What's New." It is a magazine in which appear news items and advertisements peculiar to industrial equipment, parts and materials. It is distributed to key individuals in the field of industry, officials, department heads, superintendents and others in a managerial or executive capacity in manufacturing concerns.

The periodical of appellee to which is applied its mark is a magazine bearing the title "What's New in Home Economics." The title is not in the form of the mark sought to be registered. In that form the mark seems to be quite small and it appears only on the editorial page of the publication. On that page there is also the sub-title "A National Magazine For Home Economists." The magazine of appellee relates to home economics, and contains educational articles and advertisements relating thereto. It contains recipes for cooking, advertisements for such works as "Adventures in Good Eating," "Art in Home and Clothing," a cook book, and generally, as one of appellee's witnesses stated, it "covers primarily food, food equipment, products, some textile and hygiene products." Its distribution appears to be entirely in the field of home economics, to schools teaching domestic science or home economics, to editors, home service directors of utility companies, home demonstration agents, etc.

In commenting upon the goods of the parties, the Examiner of Interferences stated in his decision as follows:

> The publications sold by the parties possess a specifically different trade interest, and as above indicated are distributed or sold in the main to persons engaged in different professions or fields of business. The dissimilar notations "Home Economics" and "Industrial Equipment" contained in the respective marks are indicative of the nature of the contents of the publications and it is believed that the significance of these notations would largely govern the selection of a person interested in obtaining a publication relating to either class of matter. In this connection purchasers of publications such as those of the parties are more discriminating than those buying goods of the kinds sold, for example, in grocery stores and the like.
>
> * * * * * * *
>
> It seems to the Examiner that the differences in the marks considerably predominate over the resemblances and are such that the marks may be used concurrently without reasonable likelihood of confusion, especially if the specific differences in the goods of the parties are also considered.

In affirming the decision of the Examiner, the Commissioner, after setting out the above-quoted discussion, said in his decision:

> Considering the marks as entireties, I am constrained to agree with the Examiner's conclusion. The titles of the two publications so clearly identify their subject matter that I am unable to believe the common descriptive phrase "What's New", occurring as it does at the beginning of applicant's mark and at the end of opposer's, is of sufficient significance to render the marks confusingly similar.

Appellant contends that the goods of the parties possess the same descriptive properties in that both are trade or business magazines and that the tribunals below erred in failing to so find. Unquestionably the publication of appellant is a trade or business magazine. It may well be doubted that the magazine of appellee is strictly of that character. However, assuming, without holding, that the publications here are of the same general class, and in that respect might be held to possess the same descriptive properties, it is clear that they are not of interest to the same class of readers; that their distribution is in widely separated fields of endeavor and they are not competitive in any respect.

It has been urged by appellant that confusion should be considered likely, for the alleged reason that business men might mistake the origin of one publication for the other in placing advertisements for the sale of their wares. In our opinion advertising is placed in any publication only after careful considerations. One who advertises his wares does so only when he has satisfied his judgment that his advertising reaches the class of purchasers most likely to be interested in procuring the thing advertised. Advertising of new advances in the industrial arts would not ordinarily be placed in a magazine intended solely to attract those whose principal interest is in the home-making science. Therefore even though it might be held that the goods of the respective parties belong to the same broad class in that they are both magazines, they are not, for the reasons set forth, identical and when the existing differences are considered in connection with the clear difference in the marks we can find no reason to disagree with the decision of the Commissioner of Patents. See *Gorham Silk Hosiery Co., Inc.*, v. *The Narrow Fabric Co.*, 26 C. C. P. A. (Patents) 980, 102 F.(2d) 407, 503 O. G. 7. In our opinion no likelihood of confusion will result from the concurrent use of the respective trade-marks of the parties.

Both the Examiner of Interferences and the Commissioner of Patents held that the second registration, No. 353,515, should not be considered for the reason that the trade-mark there was not in use prior to the date of use by appellee of its trade-mark. Under the assumption that registration No. 353,515 should have been considered by the Patent Office tribunals we have considered the same, and we find that so far as the issues in this case are concerned the mark there registered is no different in character than that registered under No. 332,611.

The decision of the Commissioner of Patents is affirmed.

Affirmed.

LENROOT, J., did not participate in the consideration or decision of this case.

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[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

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1,643,675, J. A. Montgomerie, Bituminous emulsions, D. C., S. D. Calif. (Los Angeles), Doc. 1667–Y, *American Bitumuls Co.* v. *Pacific Emulsion Co.* Consent judgment holding patent valid and infringed, injunction July 25, 1941.

1,647,710, 1,647,711. H. E. Nichols, Portable electrocardiograph; 1,888,139, same, Interference eliminator for electrocardiographs, appeal filed July 21, 1941, C. C. A. 1st Cir., Doc. 3696, *H. E. Nichols et al.* v. *Sanborn Co.*

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1,830,199, G. D. Gardner, Artichoke trimming machine, filed July 14, 1941, D. C., N. D. Calif. (San Francisco), Doc. 21918–S, *Barron-Gray Packing Co.* v. *Artichokes, Ltd., Inc.*

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2,045,317, S. Sobie, Ornamental composite fabric, D. C., S. D. N. Y., Doc. 12/184, *J. W. Sobie et al.* v. *Pavillon Dance Frocks, Inc.* Stipulation and order settling action (notice July 26, 1941).

2,090,119, W. H. Bain, Process of making shoes, filed July 24, 1941, D. C., E. D. Mich., S. Div., Doc. 2774, *The R. K. Le Blond Machine Tool Co.* v. *National Broach & Machine Co.*

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2,200,443, E. C. Dench, Discharge lamp circuit; 2,228,210, R. F. Hays, Jr., Gaseous relay device, filed July 25, 1941, D. C., S. D. N. Y., Doc. 15/144, *Westinghouse Electric & Mfg. Co.* v. *Acorn Fluorescent Corp.*

2,220,675, F. Boehm, Rotameter; 2,230,973, A. K. Fischer, same, filed July 2, 1941, D. C., E. D. Pa., Doc. 1649, *Schutte & Koerting Co.* v. *Fischer & Porter Co.*

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Re. 18,214, A. S. Behrman, Separator plate, D. C., S. D. N. Y., Doc. 5/226, *A. S. Behrman et al.* v. *U. S. Rubber Co.* Consent order of discontinuance July 9, 1941.

Des. 109,148, 2,153,634, M. C. Magarian, Signal arm, D. C., N. D. Calif. (San Francisco), Doc. 21306–S, *M. C. Magarian* v. *Detroit Products Co. et al.* Claims 1, 3, and 4 of 2,153,634, and design patent held invalid for lack of invention; bill dismissed with prejudice Mar. 13, 1941.

Des. 114,915, A. T. Berman, Dress, D. C., S. D. N. Y., Doc. 4/258, *Vicky Sportswear, Inc.*, v. *Buntly Frocks, Inc.* Judgment dismissing complaint (notice July 29, 1941).

Des. 115,179, L. Goodstein, Comfortable, D. C., S. D. N. Y., Doc. 9/446, *J. G. Comfort Co., Inc.*, v. *N. Sumergrade & Sons, Inc.* Consent order of discontinuance (notice July 29, 1941).

Des. 119,579, A. Ruchman, Dress, D. C., S. D. N. Y., Doc. 8/178, *Apex Dress Co., Inc.*, v. *National Garment Co., Inc.* Consent judgment (notice July 10, 1941). Doc. 13/298, *Apex Dress Co., Inc.*, v. *Carol Dale Dress Co., Inc.* Order of discontinuance (notice July 17, 1941).

Des. 120,197, B. Greanes, Dress ensemble, D. C., S. D. N. Y., Doc. 9/23, *Brown Dress Co.* v. *Sam Edelman, Inc.* Consent judgment (notice July 18, 1941).

Des. 120,436, W. Lampl, Pin, filed July 23, 1941, D. C., S. D. N. Y., Doc. 15/136, *W. Lampl* v. *S. H. Kress & Co.*

Des. 121,563, A. M. Bressler, Sun glasses, filed July 15, 1941, D. C., S. D. N. Y., Doc. 15/97, *A. M. Bressler* v. *Lapin Products, Inc.* Doc. 15/80, *A. M. Bressler* v. *F. W. Woolworth Co.*

Des. 122,373, M. M. Levine, Dress, D. C., S. D. N. Y., Doc. 10/477, *Mike Levine, Inc.*, v. *Lorraine Frocks, Inc.* Consent order of discontinuance (notice July 23, 1941).

Des. 122,867, J. J. Goldsmith, Textile fabric, D. C., S. D. N. Y., Doc. 13/379, *Hess, Goldsmith & Co., Inc.*, v. *Rutger Silk Co., Inc.* Consent judgment (notice July 8, 1941).

Des. 125,538, M. Fields, Dress ensemble, D. C., S. D. N. Y., Doc. 13/97, *Parisian Mfg. Co., Inc.*, v. *Herlee Frocks, Inc.* Consent judgment (notice July 15, 1941).

Des. 125,967, C. Lang, Dress, D. C., S. D. N. Y., Doc. 14/227, *Chas. Lang-Chas. Cooper, Inc.*, v. *Beth Paige Frocks, Inc.* Consent judgment (notice July 10, 1941).

Des. 126,621, M. Boucher, Pin, D. C., S. D. N. Y., Doc. 15/92, *Marcel Boucher, Ltd.*, v. *Gay Bee Novelty Jewelry Co. et al.* Order (notice July 16, 1941).

Des. 127,162, J. F. Sondheim, Dress, D. C., S. D. N. Y., Doc. 14/299, *Myron Herbert, Inc.*, v. *Beth Paige Frocks, Inc., et al.* Consent judgment (notice July 10, 1941).

Des. 127,423, M. Gaudiosi, Dress, filed July 16, 1941, D. C., S. D. N. Y., Doc. 15/100, *Bender & Hamberger, Inc.*, v. *Esterlee Frocks, Inc.*

Plant 187, W. Spandikow, Jr., Rose plant, D. C., E. D. Mich., S. Div., Doc. 2526, *Wm. Spandikow, Jr.*, v. *Mt. Clemens Greenhouse Co., Inc.* Consent decree for plaintiff July 29, 1941.

T. M. 84,981, T. M. 283,356, Life Publishing Co., Weekly publication; T. M. 293,363, same, Monthly magazine; T. M. 345,711, Time, Inc., Weekly magazine; T. M. 372,500, same, Weekly magazine and for pamphlets, containing material taken from such magazine, filed July 23, 1941, D. C., E. D. Ill. (Danville), Doc. 188–D, *Time Inc.* v. *Viobin Corp.*

T. M. 283,356. (See T. M. 84,981.)

T. M. 293,363. (See T. M. 84,981.)
T. M. 345,711. (See T. M. 84,981.)
T. M. 372,500. (See T. M. 84,981.)

Adjudicated Patents

(D. C. Calif.) Reilly and Stone patent, No. 1,625,391, for tool for cutting and removing pipe from wells, claims 1–9, 12, 14–18, and 21 *Held* valid and infringed. ***Kammerer Corporation*** v. ***McCullough***, 39 F. Supp. 213.

(D. C. N. Y.) Gordon patent, No. 1,795,023, for ironing machine, claim 9 *Held* infringed. ***Gordon*** v. ***Easy Washing Machine Corporation***, 39 F. Supp. 202.

(C. C. A. Ohio.) Paolucci patent, No. 2,025,304, for undergarment, claims 1–8 *Held* valid and not infringed. ***May Department Stores Company*** v. ***Paolucci***, 120 F.(2d) 796.

(D. C. Ohio.) Paget patent, No. 2,134,143, for ventilator, claim 3 *Held* not infringed. ***Paget*** v. ***Swartwout Company***, 39 F. Supp. 264.

(D. C. Mich.) Phillips patent, No. 2,148,997, for piston rings, claims 2–16 *Held* invalid. ***Hastings Mfg. Co.*** v. ***Reed and Wiley Company***, 39 F. Supp. 328.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,200,260, A. A. Burton, Method and composition for improving Diesel fuel ignition, decided August 14, 1941, claims 3, 5, 9, and 10.

Pat. 2,201,416, Melvin Wagner, Container, decided August 13, 1941, claims 1 and 2.

Pat. 2,173,827, J. J. Donleavy, Alkyl thio-substituted benzoic acid alkamine ester salts intermediate and process of preparing same, decided July 2, 1941, claims 1, 2, 18, 19, 20, and 22.

Pat. 2,184,426, Kocher & Smith, Polyvinyl acetal resin sheets containing an alkyl phthalyl ethyl glycollate, decided July 2, 1941, claim 2.

Des. Pat. 126,209, W. J. Lundy, Design for a bottle, decided August 12, 1941, the claim as shown.

Disclaimers

Re. 17,531.—***Wilfrid Paul Heath***, Seattle, Wash. METHOD AND MEANS FOR TUNING RADIO RECEIVERS. Patent dated December 17, 1929. Disclaimer filed August 15, 1941, by the assignee, ***Zenith Radio Corporation***.

Hereby enters this disclaimer to claims 28 and 29 in said specification.

2,117,389.—***Howard D. Yoder***, Detroit, Mich. VACUUM OR SIPHON BREAKER. Patent dated May 17, 1938. Disclaimer filed August 15, 1941, by the assignees, ***John B. Pierce Foundation*** and ***William C. Groeniger***.

Hereby enter this disclaimer to claims 1, 3, and 8 of said patent.

Interference Notice

U. S. PATENT OFFICE, *Washington, D. C., Aug. 19, 1941.*

Rainer Hildebrandt, his assigns or legal representatives, take notice:

An interference has been declared by this Office between Patent No. 2,204,962, granted June 18, 1940, to Rainer Hildebrandt, 7 Bayerischestrasse, Berlin, W. 15, Germany, and the application for patent of Robert Benjamin Albright, Tioga and C Streets, Philadelphia, Pa. The notice of such declaration sent by registered mail to said Hildebrandt at the address indicated and then reforwarded to the address furnished by his counsel, c/o Telefunken Gesellschaft fur Drahtlose Telegraphie, Zehlendorf, Osteweg, Berlin, Germany, having been returned by the post office as undeliverable, notice is hereby given that unless said Hildebrandt, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Notice of Cancellation

U. S. PATENT OFFICE, *Washington, D. C., Aug. 20, 1941.*

Advance Welding & Alloys, Ltd., its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of Birdsboro Steel Foundry and Machine Company, Birdsboro, Pa., to effect the cancellation of registration No. 302,609, issued April 25, 1933, to Advance Welding & Alloys, Ltd., 131–07 Merrick Road, Springfield Gardens, Long Island, N. Y., and a notice of such proceeding sent by registered mail to said Advance Welding & Alloys, Ltd. at said address having been returned by the post office as undeliverable, notice is hereby given that unless said Advance Welding & Alloys, Ltd., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

PUBLIC LAW 239—Continued

if such person, or such successors, assigns, or legal representatives shall, without procuring the authorization prescribed in section 3 hereof, have made or consented to or assisted another's making application in a foreign country for a patent or for the registration of a utility model, industrial design, or model in respect of such invention where authorization for such application is required by the provisions of section 3, and any such United States patent actually issued to any such person, successors, assigns, or legal representatives so debarred or becoming debarred shall be invalid.

"SEC. 5. Whoever, during the period or periods of time an invention has been ordered to be kept secret and the grant of a patent thereon withheld pursuant to the Act approved July 1, 1940 (Public, Numbered 700, Seventy-sixth Congress, third session, ch. 501), shall, with knowledge of such order and without due authorization, willfully publish or disclose or authorize or cause to be published or disclosed such invention, or any material information with respect thereto, or whoever, in violation of the provisions of section 3 hereof, shall file or cause or authorize to be filed in any foreign country an application for patent or for the registration of a utility model, industrial design, or model in respect of any invention made in the United States, shall, upon conviction, be fined not more than $10,000 or imprisoned for not more than two years, or both.

"SEC 6. If any provision of this Act or of any section thereof or the application of such provision to any person or circumstances shall be held invalid, the remainder of the Act and of such section and application of such provision to persons or circumstances other than those as to which it is held invalid shall not be affected thereby.

"SEC. 7. As used in this Act—

"The term 'person' includes any individual, trustee, corporation, partnership, association, firm, or any other combination of individuals.

"The term 'application' includes applications, and any modifications, amendments, or supplements thereto or continuances thereof.

"SEC. 8. The prohibitions and penalties of this Act shall not apply to any officer or agent of the United States acting within the scope of his authority."

SEC. 2. This Act shall take effect thirty days after its approval.

Approved, August 21, 1941.

Notice

[PUBLIC LAW 239]

A petition for a license under this act should be filed with the Commissioner of Patents *only* if the invention was made in the United States. Such petitions must be made on Forms DL1 (applications) and DL2 (amendments). These forms will be supplied upon application addressed to the Commissioner of Patents, Washington, D. C., attention of Patent Office Defense Committee, License Section, and will contain the necessary instructions and information for their use.

TRADE-MARKS

OFFICIAL GAZETTE, SEPTEMBER 9, 1941

[VOL. 530. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 433,490. JOHNS-MANVILLE CORPORATION, New York, N. Y. Filed June 28, 1940.

SUN FLOSS

FOR AMORPHOUS SILICA IN POWDERED FORM.
Claims use since Apr. 22, 1940.

Ser. No. 433,572. JOHNS-MANVILLE CORPORATION, New York, N. Y. Filed July 1, 1940.

SUPER FLOSS

FOR AMORPHOUS SILICA IN POWDERED FORM.
Claims use since Jan. 4, 1940.

Ser. No. 440,490. CHEROKEE COAL COMPANY, Louisville, Ky. Filed Feb. 10, 1941.



FOR COAL.
Claims use since 1925.

Ser. No. 443,061. CARL WESCHCKE, St. Paul, Minn. Filed Apr. 28, 1941.

HAZILBERT

FOR PLURALITY OF VARIETIES OF PROPAGATED NURSERY TREES SOLD UNDER THEIR RESPECTIVE VARIETAL NAMES.
Claims use since Oct. 1, 1940.

Ser. No. 444,168. WEYERHAEUSER TIMBER COMPANY, Tacoma, Wash. Filed June 3, 1941.

CHEMICLEAN

FOR PULP USED FOR THE MANUFACTURE OF PAPER.
Claims use since Apr. 28, 1941.

Ser. No. 444,354. PRINCESS ELKHORN COAL COMPANY, Paintsville, Ky. Filed June 9, 1941.



The picture is fanciful. The word "Elkhorn" is disclaimed apart from the mark.
FOR COAL.
Claims use since May 23, 1941.

CLASS 2

RECEPTACLES

Ser. No. 433,840. UNIVERSAL PAPER PRODUCTS COMPANY, Chicago, Ill. Filed July 10, 1940.

Capitol

FOR PAPER CUPS.
Claims use since June 13, 1940.

Ser. No. 444,050. EDWIN J. OSTERBAUER, doing business as The Oster-Bauer Shop, Rockford, Ill. Filed May 29, 1941.



No claim is made to the representation of the goods apart from the mark.
FOR SALT AND PEPPER SERVERS OF SYNTHETIC RESIN.
Claims use since Feb. 15, 1941.

Ser. No. 445,591. SYLVANIA INDUSTRIAL CORPORATION, Fredericksburg, Va. Filed July 23, 1941.

SYLVANIA SYLPHCASE

No claim is made to the representation of a sausage apart from the mark.
FOR CELLULOSE SAUSAGE CASINGS.
Claims use since July 15, 1941.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 441,425. L. BAMBERGER & CO., Newark, N. J. Filed Mar. 11, 1941.

PLAYBAGS

FOR LADIES' MODERN HANDBAGS.
Claims use since Feb. 15, 1941.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 434,099. ADDS-TRACTION, INC., Hammond, Ind. Filed July 18, 1940.

ADDS-TRACTION

Applicant disclaims all wording apart from the mark.
FOR SPECIALLY PREPARED LIQUID FOR APPLICATION TO RUBBER ARTICLES AND PARTICULARLY TO PNEUMATIC TIRE CASINGS FOR INCREASING PURCHASE OR TRACTION.
Claims use since Feb. 16, 1940.

Ser. No. 441,470. JOHN A. HONEGGER, Bloomfield, N. J. Filed Mar. 12, 1941.

Bathofoam

FOR FOAM PRODUCING COMPOUNDS, WHETHER IN THE FORM OF POWDER, LIQUID, OR IN CAKE FORM SIMILAR TO SOAP CAKES HAVING CLEANSING AND DETERGENT PROPERTIES.
Claims use since Oct. 14, 1940.

CLASS 5

ADHESIVES

Ser. No. 442,785. GENERAL PRINTING INK CORPORATION, New York, N. Y. Filed Apr. 21, 1941.

IGLOO

FOR RAPID-SETTING, WATER REPELLENT, MOLD AND VERMIN PROOF ADHESIVES FOR USE IN BOOKBINDING, BOX AND CARTON MANUFACTURE, FOR LABELS, FOR CABINET WORK, FURNITURE MAKING, AND STATIONERY PURPOSES.
Claims use since Dec. 5, 1939.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 422,107. E. R. SQUIBB & SONS, New York, N. Y. Filed July 29, 1939.

SYRETTE

FOR INJECTION UNITS CONTAINING NARCOTIC, HYPNOTIC, SEDATIVE, ANALGESIC, AND VASOCONSTRICTIVE PREPARATIONS.
Claims use since July 14, 1939.

Ser. No. 439,653. MORENO HABIF, Habana, Cuba. Filed Jan. 14, 1941.

THE FRENCH DOLL

The word "French" is disclaimed apart from the mark.
FOR TOILET POWDER, TOILET TALC, PERFUME, ESSENCES AND TOILET LOTIONS.
Claims use since Dec. 11, 1932.

Ser. No. 442,409. CAMPBELL PRODUCTS, INC., New York, N. Y. Filed Apr. 9, 1941.

ALUTROPIN

FOR COLLOIDAL ALUMINUM HYDROXIDE FORTIFIED WITH NOVATROPINE FOR THE TREATMENT OF PEPTIC ULCER AND HYPERCHLORHYDRIA.
Claims use since Mar. 11, 1941.

Ser. No. 442,918. ABRAHAM L. SCHEIN, New York, N. Y. Filed Apr. 24, 1941.



FOR PHARMACEUTICAL PREPARATIONS—NAMELY, ESSENCE OF PEPPERMINT, SPIRIT OF CAMPHOR, BUROW'S SOLUTION, BROWN MIXTURE, COMPOUND TINCTURE BENZOIN, DOBELL'S SOLUTION, TINCTURE OF GREEN SOAP, YELLOW THROAT MIXTURE, AND CASTOR OIL.
Claims use since May, 1922.

Ser. No. 443,052. RIDGEFIELD CHEMICAL CO. INC., New York, N. Y. Filed Apr. 28, 1941.

SULDETOX

FOR PREPARATION FOR THE CONTROL OF FERMENTATION FOR USE IN THE TREATMENT OF PATHOLOGICAL CONDITIONS OF THE ALIMENTARY CANAL.
Claims use since 1924.

Ser. No. 443,053. RIDGEFIELD CHEMICAL CO. INC., New York, N. Y. Filed Apr. 28, 1941.

SULDERM

FOR PREPARATION FOR THE TREAMENT OF PATHOLOGICAL CONDITIONS OF THE ALIMENTARY CANAL.
Claims use since 1924.

Ser. No. 443,056. RIDGEFIELD CHEMICAL CO. INC., New York, N. Y. Filed Apr. 28, 1941.

SUL-GIENE

FOR PREPARATION FOR USE AS A MOUTH WASH.
Claims use since 1924.

Ser. No. 443,676. ALADDIN LABORATORIES, INC., Minneapolis, Minn. Filed May 19, 1941.

RIN-TINTZ

No claim is made to the term "Tintz" apart from the mark.
FOR HAIR RINSE PREPARATION.
Claims use since Mar. 20, 1941.

Ser. No. 443,740. DESTRUXOL CORPORATION, LTD., Pasadena, Calif. Filed May 21, 1941.

BORER-SOL

The name "Borer" is disclaimed apart from the mark.
FOR CHEMICAL SOLUTION FOR COMBATTING TREE BORER AND THE LIKE.
Claims use since Aug. 24, 1939.

Ser. No. 443,845. HOUSE OF MARCELL, INC., New York, N. Y. Filed May 23, 1941.

AMERICAN FRUIT
sachet
BY
Carol Kay

No claim is made to the words "American," "Sachet" and "By Carol Kay" apart from the mark.
FOR SACHET NOVELTIES.
Claims use since Apr. 10, 1941.

Ser. No. 444,012. BEN PICKARD, Chicago, Ill. Filed May 28, 1941.

GOLD COAST

FOR MACHINELESS PERMANENT WAVE PREPARATION, CREME OIL BLEACH, NAIL POLISH, HAIR RINSE, SCALP HAIR TONIC, PERFUME, SHAMPOO OIL, CLEANSING CREAM, CURLING FLUID, SCALP SALVE, HAND CREAM, PERMANENT WAVE OIL, ALL PURPOSE CREAM, HAIR GLINT, NAIL POLISH REMOVER, HAIR LACQUER, HAIR CREAM, NAIL CREME, PERMANENT WAVE SOLUTION, BRILLIANTINE OIL, NAIL WHITE, TISSUE CREAM, CUTICLE REMOVER, NAIL BUFFER POLISH, CUTICLE OIL, HAIR WAVING SOLUTION, FACE CREAM, SCALP OIL.
Claims use since December, 1940.

Ser. No. 444,314. G. D. SEARLE & CO., Chicago, Ill. Filed June 7, 1941.

GONADOPHYSIN

FOR ANTERIOR PITUITARY GONADTROPIC HORMONE.
Claims use since Feb. 28, 1941.

Ser. No. 444,515. WILLIAM R. WARNER & CO., INC., New York, N. Y. Filed June 13, 1941.

SYNTHA-BETA

FOR SYNTHETIC VITAMIN PREPARATION.
Claims use since June 3, 1941.

Ser. No. 444,723. JOHN M. APPLEGARTH, doing business as Chemical Research Products Company, Philadelphia, Pa. Filed June 21, 1941.



No claim is made, apart from the mark shown, to the words "Trade Mark," "Pine," "Swiss," or "The Improved Disinfectant." The drawing is lined for red.
FOR DISINFECTANTS.
Claims use since December, 1938.

Ser. No. 444,958. CHARLES REINSCH, doing business as Cerex Products, New York, N. Y. Filed June 28, 1941.

SALURMED

FOR PHARMACEUTICAL PREPARATIONS FOR USE AGAINST AILMENTS CAUSED BY CONSTIPATION OR GASTRO-INTESTINAL MALFUNCTION, GOUT, BLADDER, KIDNEYS, DIURETIC SALT COMPOUND, LAXATIVE.
Claims use since Apr. 24, 1941.

Ser. No. 445,058. LA CIE. PHARMACEUTIQUE DESBERGERS, Montreal, Quebec, Canada. Filed July 3, 1941.

FERTINIC

FOR HEMATINIC IRON FOR ANEMIA (BLOOD TONIC).
Claims use since Aug. 15, 1940.

Ser. No. 445,097. L. R. KALLMAN, doing business as L. R. Kallman & Company, Chicago, Ill. Filed July 3, 1941.



FOR COSMETIC PREPARATION TO BE USED AS A HAND TREATMENT DESIGNED TO AID IN TIGHTENING AND FIRMING THE SKIN.
Claims use since June 13, 1941.

Ser. No. 445,157. JEAN G. RICHARD, doing business as Whitestone Company Registered, Montreal, Quebec, Canada. Filed July 7, 1941.

NO. 3933

FOR MEDICAL PREPARATION FOR THE TREATMENT OF RHEUMATISM.
Claims use since May 11, 1930.

Ser. No. 445,287. A. PHILIP GIULIANO, doing business as Coronet Chemical Company, Allenwood, N. J. Filed July 12, 1941.

STRIKE

FOR ANTISEPTIC POWDER FOR TREATMENT OF ATHLETE'S FOOT, POISON IVY, TIRED FEET, AND MOSQUITO BITES.
Claims use since Mar. 25, 1941.

Ser. No. 445,302. SELRODO PRODUCTS, INC., Seattle, Wash. Filed July 12, 1941.

Selrodo

FOR PREPARATION USED FOR THE TREATMENT OF SYMPTOMS OF BRONCHIAL ASTHMA AND HAY FEVER.
Claims use since May 14, 1941.

Ser. No. 445,309. TECA CORPORATION, New York, N. Y. Filed July 12, 1941.

TECASOL

FOR BATH SALTS, BATH LIQUIDS, AND CHEMICAL SUPPLIES FOR USE IN CONNECTION WITH ELECTRO BATHS.
Claims use since July 2, 1941.

Ser. No. 445,324. ALEX. C. FERGUSSON CO., Philadelphia, Pa. Filed July 14, 1941.

ALEXYL

FOR DISINFECTANTS.
Claims use since Mar. 25, 1940.

Ser. No. 445,326. HARRY M. MAROULIES, Chicago, Ill. Filed July 14, 1941.

"LURIN"

FOR PHARMACEUTICAL ANTACID PREPARATION USED FOR RELIEF OF HYPERACIDITY AND OF ACTIVE PEPTIC ULCERS.
Claims use since September, 1940.

Ser. No. 445,421. GEORGE H. HELMER, doing business as Badger Gas Products, Platteville, Wis. Filed July 17, 1941.

BADGER GAS

No claim is made to the term "Gas" apart from the mark.
FOR LIQUEFIED PETROLEUM GAS.
Claims use since Jan. 10, 1939.

Ser. No. 445,573. MARY DUNHILL, INC., New York, N. Y. Filed July 23, 1941.

BEWITCHING

FOR COLOGNE AND PERFUME.
Claims use since July 1, 1941.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 443,202. MIDWEST MANUFACTURING & ENGINEERING CORP., Boston, Mass. Filed May 2, 1941.

Vuedex

FOR CIGARETTE CASES NOT OF PRECIOUS METAL.
Claims use since Apr. 28, 1941.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 444,005. T. K. LEE, Birmingham, Ala. Filed May 28, 1941.



Applicant disclaims the representation of the sighting device and the numerals 8, 9, and 10 apart from the mark.
FOR SIGHTING DEVICE FOR RIFLES.
Claims use since Apr. 25, 1941.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 444,276. NATIONAL STARCH PRODUCTS INC., New York, N. Y. Filed June 6, 1941.

AMYL TRAG

No claim is made to the word "Amyl" apart from the mark.
FOR GUM USED AS A VEHICLE FOR INKS FOR PRINTING TEXTILES.
Claims use since Nov. 21, 1939.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 434,435. CRAWFORD DOOR COMPANY, Detroit, Mich. Filed July 29, 1940.



FOR COMPLETE UPWARD ACTING DOOR INSTALLATIONS COMPRISING DOOR AND HARDWARE.
Claims use since June 10, 1940.

Ser. No. 438,868. DECELECO, INC., Wayne, Mich. Filed Dec. 16, 1940.

UNISTRUT

FOR SECTIONAL METALLIC BUILDING UNITS ADAPTED TO SERVE AS FRAMING AND SUPPORTING MEMBERS FOR TEMPORARY AND PERMANENT CONSTRUCTION OF BUILDINGS AND OTHER STRUCTURES, RACKS, SCAFFOLDING, LADDERS, RAILS, SUPPORTS AND THE LIKE, INCLUDING COUPLINGS, FITTINGS AND CONNECTIONS THEREFOR.
Claims use since Sept. 6, 1940.

Ser. No. 439,690. CORHART REFRACTORIES COMPANY, Louisville, Ky. Filed Jan. 15, 1941.

ZED

FOR REFRACTORY BRICKS AND BLOCKS FOR FURNACE WALLS AND PARTITIONS.
Claims use since Dec. 28, 1940.

Ser. No. 444,589. ABERDEEN PLYWOOD CORPORATION, Aberdeen, Wash. Filed June 17, 1941.



The words "Hot Press" are disclaimed apart from the mark.
FOR PLYWOOD.
Claims use since May 15, 1941.

Ser. No. 444,590. ABERDEEN PLYWOOD CORPORATION, Aberdeen, Wash. Filed June 17, 1941.



The words "Hot Press" and "Xterior" are disclaimed apart from the mark.
FOR PLYWOOD.
Claims use since May 15, 1941.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 444,073. CROWN FASTENER CORPORATION, Warren, R. I. Filed May 31, 1941.



FOR SEPARABLE SLIDE FASTENERS.
Claims use since May 8, 1941.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 442,757. THE QUASI-ARC COMPANY LIMITED, Westminster, London, England. Filed Apr. 19, 1941.

FERROSPEED

FOR METAL WELDING ELECTRODES.
Claims use since 1939.

Ser. No. 442,758. THE QUASI-ARC COMPANY LIMITED, Westminster, London, England. Filed Apr. 19, 1941.

QUASI-ARC

FOR METAL WELDING ELECTRODES.
Claims use since 1916.

Ser. No. 443,667. THE NEWPORT ROLLING MILL CO., Newport, Ky. Filed May 17, 1941.



FOR PROCESSED GALVANIZED FERROUS METAL SHEETS.
Claims use since Jan. 1, 1941.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 433,519. THE CELOTEX CORPORATION, Chicago, Ill. Filed June 29, 1940.

TRAFFICTOP

FOR COATING—PIGMENTED RED AND GREEN, COMPRISING A PIGMENT AND A VEHICLE THEREFOR FORMING A PIGMENTED ASPHALT PAINT; SEALER—PIGMENTED BLACK, GREEN, RED, GRAY AND TAN, COMPRISING A PIGMENT AND VEHICLE THEREFOR FORMING A PIGMENTED PAINT PRIMER; AND ENAMEL—PIGMENTED BLACK, GREEN, RED, GRAY AND TAN, COMPRISING A PIGMENT AND A VEHICLE THEREFOR FORMING A PIGMENTED PAINT ENAMEL.

Claims use on coating—pigmented since Oct. 4, 1939, and on coating—namely, red and green, since Oct. 4, 1939; on sealer—pigmented since Aug. 19, 1939, and on sealer—namely, black, since Aug. 28, 1939, green since Aug. 19, 1939, red since Aug. 31, 1939, and gray and tan since May 15, 1940; and on enamel—pigmented since Aug. 28, 1939, and on enamel—namely, black, since Aug. 28, 1939, green and red since Aug. 31, 1939, and gray and tan since May 15, 1940.

Ser. No. 443,093. STANLEY PAINT & VARNISH CO. INC., Paterson, N. J. Filed Apr. 29, 1941.

FILKRAK



The word "Filkrak" is disclaimed apart from the mark.
FOR CRACK FILLING AND SURFACING COMPOUND.
Claims use since February, 1940.

Ser. No. 444,830. LITHGOW CORPORATION, Chicago, Ill. Filed June 25, 1941.



No claim is made to the words "Air Drying Coating" apart from the mark.
FOR COATING MATERIALS—NAMELY, READY-MIXED PAINTS, PAINT ENAMELS, LACQUERS OR THE LIKE, TO BE APPLIED TO SURFACES FOR PROTECTIVE PURPOSES, AND MORE PARTICULARLY FOR PROTECTING WALLS OR STRUCTURAL WORK, FOR LINING OR COVERING CONTAINERS SUCH AS TANKS OR TANK CARS.
Claims use since May 15, 1941.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 443,326. LAURENCE M. GILLIAM, San Anselmo, Calif. Filed May 7, 1941.



The word "Tobacco" is disclaimed apart from the mark.
FOR PIPE TOBACCO.
Claims use since Apr. 21, 1941.

CLASS 19

VEHICLES, NOT INCLUDING ENGINES

Ser. No. 444,357. THE SHELBY CYCLE COMPANY, Shelby, Ohio. Filed June 9, 1941.



Applicant disclaims the word "Bicycle" and disclaims the word "Safe-T" except in the combination shown.
FOR BICYCLE.
Claims use since Jan. 27, 1941.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 440,287. INTERNATIONAL DIESEL ELECTRIC COMPANY, INC., New York, N. Y. Filed Feb. 4, 1941.



FOR DIESEL ELECTRIC GENERATING SETS.
Claims use since Nov. 13, 1940.

Ser. No. 444,085. LOWE LABORATORIES, INC., New York, N. Y. Filed May 31, 1941.

SPOT FIRE DETECTOR

The words "Fire" and "Detector" are disclaimed apart from the mark.
FOR ELECTRIC FIRE DETECTING AND ALARM APPARATUS AND ELECTRIC CIRCUIT CONTROLLERS.
Claims use since Mar. 24, 1941.

Ser. No. 445,218. AUBURN SPARK PLUG COMPANY, INC., Auburn, N. Y. Filed July 10, 1941.

REX

FOR SPARK PLUGS.
Claims use since April, 1932.

Ser. No. 445,219. AUBURN SPARK PLUG COMPANY, INC., Auburn, N. Y. Filed July 10, 1941.

Blazer

FOR SPARK PLUGS.
Claims use since March, 1915.

Ser. No. 445,222. AUBURN SPARK PLUG COMPANY, INC., Auburn, N. Y. Filed July 10, 1941.

VULCAN

FOR SPARK PLUGS.
Claims use since May, 1941.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 434,551. MILTON BRADLEY COMPANY, Springfield, Mass. Filed Aug. 1, 1940.

Bradley

Applicant is the owner of T. M. Reg. No. 388,832, effected under the 10-year proviso.
FOR GAMES AND TOYS OF ALL DESCRIPTIONS—NAMELY, BOARD GAMES PLAYED WITH MOVABLE PIECES, TOY ANIMALS, DOLLS AND COSTUMES THEREFOR, DOLL PLAYSETS, CARD GAME, TOY BLOCKS, TOY WAGONS, CARTS, WHEELBARROWS, TRAINS, TRUCKS, AUTOMOBILES, BOATS, HOBBY HORSES, STICK HORSES, PEG WAGON PULL TOYS, ROCKING TOYS, TUMBLE BLOCK PUZZLES, JIG SAW PUZZLES, TOY HOUSES, TOY FURNITURE, PEG BOARDS, NESTED BLOCKS, COLOR STICKS, COLOR BALLS, COLOR SQUARES, COLOR BLOCKS, BEADS, TOY MONEY, ANAGRAM PUZZLES, SEWING CARDS.
Claims use since Apr. 17, 1940.

Ser. No. 445,541. ACUSHNET PROCESS COMPANY, Acushnet, Mass. Filed July 22, 1941.

WHIRLAWAY

FOR GOLF BALLS.
Claims use since July 10, 1941.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 438,907. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Dec. 16, 1940.

Filtrite

FOR OIL FILTERS FOR INTERNAL COMBUSTION ENGINES.
Claims use since July, 1940.

Ser. No. 443,444. VEGA SEPARATOR CORPORATION OF AMERICA INC., Minneapolis, Minn. Filed May 9, 1941.

WORTHINGTON Ideal

No claim is made to the name "Worthington" apart from the mark.
FOR CREAM SEPARATORS.
Claims use since Jan. 15, 1941.

Ser. No. 443,841. GLOBE HOIST COMPANY, Des Moines, Iowa. Filed May 23, 1941.

LUBRICATING
ACTIONIZER

Disclaimer of the word "Lubricating" is made aside from the mark shown.
FOR HYDRAULIC LIFTS OF THE TYPE USED IN THE RAISING OF AUTOMOBILES FOR LUBRICATION AND SERVICING PURPOSES.
Claims use since May 12, 1941.

Ser. No. 444,388. PREMIER MANUFACTURING & SALES COMPANY, Portland, Oreg. Filed June 10, 1940.

PREMIER
ROTARY SHAVER

The words "Rotary Shaver," in connection with the mark as disclosed, are disclaimed.
FOR SURFACING MACHINES FOR DRESSING THE BACKS OF PRINTING PLATES.
Claims use since Aug. 17, 1935.

Ser. No. 444,584. EDWARD N. SIMMONS, doing business as Simmons Electro-Mend Company, Chicago, Ill., assignor to Simmons Electro-Mend, Inc., Chicago, Ill., a corporation of Illinois. Filed June 16, 1941.

ELECTRO-MEND

FOR MACHINES FOR APPLYING PATCHES TO SOCKS, SHIRTS, CLOTHING, LINEN, AND OTHER FABRICS.
Claims use since Jan. 1, 1940.

Ser. No. 445,199. THE GLEASON WORKS, Rochester, N. Y. Filed July 9, 1941.

REVEX

FOR GEAR CUTTING TOOLS AND BLADES THEREFOR.
Claims use since June 27, 1941.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 444,891. BUSINESS COLLABORATORS, INC., St. Louis, Mo. Filed June 27, 1941.

The VISIBLE VOICE

FOR FILTERS.
Claims use since June 21, 1941.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 445,002. AMERICAN FURNITURE NOVELTY COMPANY, Chicago, Ill. Filed July 2, 1941.

Ancestral
TRADITIONALLY FINE FURNITURE

The words "Traditionally Fine Furniture" are disclaimed apart from the mark.
FOR WOODEN FURNITURE SUCH AS TABLES AND DESKS.
Claims use since May 1, 1941.

Ser. No. 445,509. SOUTHERN VENETIAN BLIND MANUFACTURING CO., Columbus, Ga. Filed July 19, 1941.

SOUTHERN BEAUTY

FOR VENETIAN BLINDS.
Claims use since Apr. 25, 1940.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 443,881. GOLDEN BROWN APPLIANCE MANUFACTURING CO., Lynn, Mass. Filed May 24, 1941.

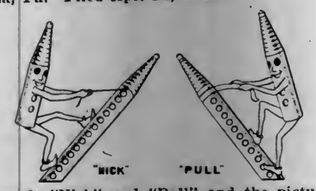
Golden Brown

FOR GAS COOKING STOVES, INCLUDING FOOD FRYERS.
Claims use since Apr. 2, 1935.

CLASS 37

PAPER AND STATIONERY

Ser. No. 442,893. BLAISDELL PENCIL COMPANY, Philadelphia, Pa. Filed Apr. 24, 1941.



The words "Nick" and "Pull" and the picture of the paper pencil are disclaimed apart from the mark.
FOR PAPER PENCILS.
Claims use since February, 1917.

Ser. No. 443,282. CENTRAL PAPER COMPANY, INCORPORATED, Muskegon, Mich. Filed May 6, 1941.

ABEL KRAFTSMAN

FOR THE FOLLOWING PAPER AND PAPER PRODUCTS: OILED AND UNOILED BOARDS FOR STENCILS; ELASTIC PAPER BARREL LINING; TOGETHER WITH THE FOLLOWING PAPERS: ABSORBENT; ANTI-RUST; BAG; BOND PAPER; LEDGER AND WRITING; BUTCHERS' MANILA; CARBONIZING AND CARBON COATING PAPER; CREPE; ENVELOPE; FIBRE; FLAMEPROOF; GASKET; HOLLY AND DECORATED; KRAFT-COLORED, CREPE, WATER FINISH, WAXING AND WAXED; MANIFOLD; MANILA; MOTHPROOF; OILED; PARCHMENT; PATTERN; SATURATING; STENCIL-OILED AND UNOILED; SULPHATE AND SULPHITE; TWISTING; TRANSPARENT; TYMPAN; WAXED OR PARAFFINED; BAKERS', BUTCHERS' CHRISTMAS, DRUG, FLORIST, AND HARDWARE WRAPPING PAPER.
Claims use since 1936.

Ser. No. 444,009. J. FREDERICK PALMER, Waukesha, Wis. Filed May 28, 1941.

AIR-LOK

FOR MOISTURE-PROOF, AIR-TIGHT, AND LIGHT-TIGHT PAPER, PRINCIPALLY FOR WRAPPING FROZEN FOOD.
Claims use since Nov. 20, 1940.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 422,154. THE FIRM OF JOHN DICKINSON SCHNEIDER, Chicago, Ill. Filed July 31, 1939.

Printer Craftsman
JDS

The word "Printer" is disclaimed apart from the mark.
FOR PRINTED, LITHOGRAPHED, AND GRAVURE MATTER SUCH AS CATALOGS, BROADSIDES, BOOKLETS, PAMPHLETS, AND LABELS.
Claims use since May 10, 1921.

CLASS 39

CLOTHING

Ser. No. 424,940. C. CRAWFORD HOLLIDGE, LTD., Boston, Mass. Filed Oct. 26, 1939.

DURACREPE

FOR GENUINE CREPE HOSIERY.
Claims use since October, 1935.

Ser. No. 429,468. DANIEL CATALANO, New York, N. Y. Filed Mar. 12, 1940.

JILL-JACK

FOR WOMEN'S AND MISSES' WEARING APPAREL—NAMELY, PLAY SUITS, SHORTS, BATHING SUITS, AND BLOUSES.
Claims use since Nov. 3, 1938.

Ser. No. 436,995. MAURICE GOLDSTEIN, New York, N. Y. Filed Oct. 16, 1940.

Benedict's

FOR MEN'S AND BOYS' SHOES MADE OF LEATHER, CANVAS, AND RUBBER.
Claims use since 1935.

Ser. No. 439,446. JOHN W. SHAW, Decatur, Ill. Filed Jan. 6, 1941.

Novelty Ann

FOR HOUSE DRESSES.
Claims use since Mar. 2, 1938.

Ser. No. 441,921. PICARDY MILLS, INC., Brooklyn, N. Y. Filed Mar. 25, 1941.

Picardy Stitch

No claim is made to the word "Stitch" apart from the mark.
FOR GLOVES OF LEATHER, FABRIC, OR A COMBINATION THEREOF.
Claims use since Jan. 15, 1941.

Ser. No. 443,068. BOTANY WORSTED MILLS, Passaic, N. J. Filed Apr. 29, 1941. Under section 5b of the act of 1905 as amended in 1920.

Botany Robe

Applicant disclaims any ownership in the word "Robe" as contained on the mark. Applicant is the owner of registration Number 75,638 of Oct. 26, 1909, renewed, effected under the 10-year proviso. The drawing is lined for black and red.
FOR LOUNGING ROBES.
Claims use since Oct. 8, 1937.

Ser. No. 444,126. PEQUEST HOSIERY MILLS, INC., Belvidere, N. J. Filed June 2, 1941.

Pequest

FOR HOSIERY AND OTHER KNIT GOODS—NAMELY, UNDERWEAR, SWEATERS, GLOVES, AND SUITS FOR WOMEN AND CHILDREN.
Claims use since March, 1938.

Ser. No. 444,674. HUFFMAN FULL FASHIONED MILLS, INC., Morganton, N. C. Filed June 19, 1941.

FLATTERTWIST

FOR HOSIERY.
Claims use since Apr. 17, 1941.

Ser. No. 444,727. BURLINGTON MILLS CORPORATION, Greensboro, N. C. Filed June 21, 1941.

Burmylon

FOR WOMEN'S HOSIERY.
Claims use since June 3, 1941.

Ser. No. 444,729. CLASSIQUE MODES INC., Chicago, Ill. Filed June 21, 1941.

Casual-Craft

The word "Casual" is disclaimed apart from the mark.
FOR LADIES' SPORTSWEAR—NAMELY, DRESSES, SUITS, SLACKS, BLOUSES, AND SKIRTS.
Claims use since June 14, 1941.

Ser. No. 443,074. WENDER & GOLDSTEIN, INC., New York, N. Y. Filed July 3, 1941.

WeGo

FOR MEN'S TRENCH COATS AND UNIFORMS FOR POLICE, FIREMEN, LETTER CARRIERS, ARMY, NAVY, SCHOOLS, HOTELS, THEATERS, BANDS, WAITERS, APARTMENTS, STEAMSHIPS, YACHTING, CHAUFFEURS, BUS DRIVERS, DOCTORS, AND DENTISTS, AND RIDING HABITS.
Claims use since February, 1917.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 444,420. SCOVILL MANUFACTURING COMPANY, Waterbury, Conn. Filed June 11, 1941.

ELDORADO

FOR COMMON PINS, SAFETY PINS, VEIL PINS, HAT PINS, THIMBLES, HOOKS, EYES AND LOOPS, SNAP FASTENERS, NEEDLES FOR HAND USE, ALL OF WHICH ABOVE LISTED ARTICLES ARE MADE OF MATERIALS OTHER THAN PRECIOUS METALS, AND SHOE LACES.
Claims use since Sept. 27, 1918.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 443,669. ROCK HILL WOOLENS, INC., New York, N. Y. Filed May 17, 1941.

ziba-lama

The word "lama" is disclaimed apart from the mark.
FOR PIECE GOODS OF WOOL, ANIMAL FIBRES, AND COMBINATIONS THEREOF.
Claims use since Feb. 28, 1941.

Ser. No. 444,002. KEEP KLEAN COVER CO. INC., St. Louis, Mo. Filed May 28, 1941.

PORT-A-ROBE

The word "Robe" is disclaimed apart from the mark.
FOR AUTOMOBILE ROBES.
Claims use since July 1, 1940.

Ser. No. 444,855. BELVEDERE FABRICS, INC., New York, N. Y. Filed June 26, 1941.



The words "Washable" and "Fabric" are disclaimed apart from the mark. The representation of the tag per se is disclaimed.
FOR TEXTILE FABRICS IN THE PIECE MADE OF WOOL, COTTON, SILK, ACETATE, RAYON, AND MIXTURES THEREOF.
Claims use since December, 1938.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 435,747. BAXTER LABORATORIES, INC., Glenview, Ill. Filed Sept. 7, 1940.

PLASMA-VAC

Applicant disclaims the word "Plasma" apart from the mark.
FOR APPARATUS FOR USE IN THE TRANSFUSION OF BLOOD, AND THE PREPARATION OF THE LIQUID CONSTITUENTS THEREOF, AND FOR CONTAINER DISPENSERS FOR PARENTERAL FLUIDS.
Claims use since Oct. 28, 1939.

Ser. No. 439,496. SCHNEFEL BROS. CORPORATION, Newark, N. J. Filed Jan. 8, 1941.

Fleet

FOR NAIL FILES AND EYE BROW TWEEZERS.
Claims use since March, 1940.

Ser. No. 441,143. ROPHON, INC., New York, N. Y. Filed Mar. 1, 1941.

DROPLICATOR

FOR APPLICATORS FOR APPLYING PERFUME AND THE LIKE.
Claims use since Feb. 27, 1941.

Ser. No. 444,407. GEORGE W. GATES & CO., INC., Franklin Square, N. Y. Filed June 13, 1941.

RAYMASTER

FOR GERMICIDAL RAY MACHINES.
Claims use since May 24, 1941.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 442,916. ALFREDO PUIG Y HERMANO, Santiago de Cuba, Cuba. Filed Apr. 24, 1941.



The word "Quinabeer" is disclaimed apart from the mark.
FOR MALTLESS BEVERAGES, NONALCOHOLIC—NAMELY, NONALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS; SYRUPS, AND CONCENTRATES.
Claims use since Feb. 25, 1936.

Ser. No. 444,667. ELBERTA PACKING COMPANY, Elberta, Mich. Filed June 19, 1941.

APPLE-KEG

No claim is made to the term "Apple" apart from the mark.
FOR CANNED APPLE JUICE.
Claims use since Apr. 10, 1941.

Ser. No. 444,813. CECIL VAN WYCK, doing business as Grape 8 Company, Westwood and Hollywood, Calif. Filed Jun 24, 1941.

GRAPE 8

No claim is made to the word "Grape" apart from the mark.
FOR NONALCOHOLIC GRAPE BEVERAGE.
Claims use since June 14, 1941.

Ser. No. 445,283. EDWARD BROUGH, Cleveland, Ohio. Filed July 12, 1941.

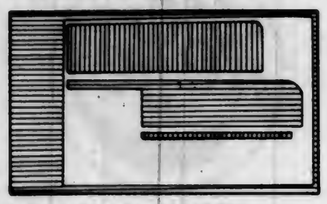
BROCO

FOR NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SYRUPS AND EXTRACTS FOR MAKING THE SAME.
Claims use since May 29, 1940.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 422,143. MASTER BAKING COMPANY, Mt. Vernon, Ill. Filed July 31, 1939.



The drawing is lined for red and blue.
FOR CAKE.
Claims use since Aug. 1, 1937.

Ser. No. 422,144. MASTER BAKING COMPANY, Mt. Vernon, Ill. Filed July 31, 1939.



The drawing is lined for yellow, blue, and red.
FOR BREAD.
Claims use since Aug. 1, 1937.

Ser. No. 428,199. PEANUT PRODUCTS COMPANY, Des Moines, Iowa. Filed Feb. 3, 1940.

Jack and Jill



FOR PEANUT BUTTER.
Claims use since June 1, 1939.

Ser. No. 432,367. AMBROSIA CHOCOLATE COMPANY, Milwaukee, Wis. Filed May 27, 1940.

Ribbon Fudge

The word "Fudge" is disclaimed apart from the mark.
FOR PREPARED CHOCOLATE POWDER TO BE USED IN THE PREPARATION OF FUDGE ICE CREAM.
Claims use since Jan. 24, 1940.

Ser. No. 442,233. KELLOGG COMPANY, Battle Creek, Mich. Filed Apr. 3, 1941.



FOR CEREAL BREAKFAST FOODS.
Claims use since Feb. 14, 1941.

Ser. No. 443,450. ABRAHAM C. BALFOUR, Englewood, N. J. Filed May 10, 1941.

"GOOD MORNING MISTER"

FOR COMBINATION OF CARROT, CELERY, AND LEMON JUICE.
Claims use since Dec. 24, 1940.

Ser. No. 443,927. ARTHUR H. FERBER, doing business as The Ferbo Co., Madison, N. J. Filed May 26, 1941.



No claim is made to the words "French" and "Tang" apart from the mark.
FOR VANILLA FOOD FLAVORING COMPOUND.
Claims use since July 10, 1940.

Ser. No. 444,022. TREESWEET PRODUCTS CO., Santa Ana, Calif. Filed May 28, 1941.



The applicant is owner of registrations No. 310,977, dated Mar. 13, 1934, No. 333,526, dated Mar. 24, 1936, and No. 354,723, dated Feb. 22, 1938.
FOR CANNED FRUIT JUICES FOR FOOD PURPOSES—NAMELY, CANNED ORANGE AND GRAPEFRUIT JUICE.
Claims use since May 19, 1941.

Ser. No. 444,339. GOLDEN STATE COMPANY, LTD., doing business as Golden-V Laboratories, San Francisco, Calif. Filed June 9, 1941.

GOLDEN-V

FOR VITAMINS, PRO-VITAMIN CONCENTRATES, AND FRESH MILK ENRICHED WITH VITAMINS AND PRO-VITAMIN CONCENTRATES.
Claims use since May 17, 1941.

Ser. No. 444,810. TRI-VALLEY PACKING ASSOCIATION, San Francisco, Calif. Filed June 24, 1941.

Granny's Style

No claim is made to the word "Style" apart from the mark.
FOR CANNED FRUITS.
Claims use since June 4, 1941.

Ser. No. 444,984. SUN CHEWING GUM CORPORATION, New York, N. Y. Filed June 30, 1941.

Pac-o-Vite

The word "Pac" is disclaimed apart from the mark.
FOR CHEWING GUM.
Claims use since Mar. 26, 1941.

Ser. No. 445,239. MEGOWEN-EDUCATOR FOOD COMPANY, Lowell, Mass. Filed July 10, 1941.

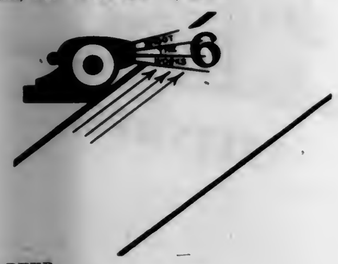
EDUCATOR

FOR BAKERY PRODUCTS—NAMELY, BISCUITS, CAKES, COOKIES, CRACKERS, AND WAFERS, EITHER PLAIN OR COATED, FILLED, FLAVORED, OR TOPPED WITH CONFECTIONS, CREAMS, ICINGS, NUTS, SPREADS, AND LIKE FOODS OR FLAVORINGS; FILLED CRACKER SANDWICHES, AND CRACKER MEAL.
Claims use since 1885.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 429,316. NEW ORLEANS BREWING CO. INC., New Orleans, La. Filed Mar. 7, 1940.



FOR BEER.
Claims use since Nov. 27, 1939.

Ser. No. 444,907. JOHN LABATT LIMITED, London, Ontario, Canada. Filed June 27, 1941.



The words "Crystal Lager Beer" are disclaimed apart from the mark.
FOR ALES, BEERS, LAGERS, PORTERS, AND STOUTS.
Claims use since Apr. 22, 1941.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 439,767. AMERICAN HAIR & FELT COMPANY, Chicago, Ill. Filed Jan. 18, 1941.

DUAL-TITE

No claim is made to the word "Tite" apart from the mark.
FOR RUG AND CARPET PADS OR UNDERLININGS.
Claims use since Jan. 7, 1941.

Ser. No. 443,861. SINACO COMPANY, INC., New York, N. Y. Filed May 23, 1941.

SINACO



FOR PLAQUES, STATUES, STATUETTES, FIGURES AND FIGURINES, MOULDED OR BAKED OUT OF PLASTER OF PARIS OR OTHER COMPOUNDS.
Claims use since Apr. 23, 1941.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

SEPTEMBER 9, 1941

390,071. FOOT POWDER. V. MARNE, San Diego, Calif. Filed November 4, 1938. Serial No. 412,381. PUBLISHED JULY 1, 1941. Class 6.

390,072. CANNED HAM, PICNIC SHOULDER, PORK LOIN, LUNCHEON MEAT, SAUSAGES, AND BACON. DANSKE KONSERVESFABRIKERS AMERIKA AFDELING, Copenhagen, Denmark.
Filed March 8, 1939. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 416,795. PUBLISHED DECEMBER 12, 1939. Class 46.

390,073. DRAWING SALVE FOR BOILS. AMERICAN DRUGGISTS SYNDICATE, INC., Long Island City, N. Y.
Filed October 19, 1939. Serial No. 424,677. PUBLISHED APRIL 2, 1940. Class 6.

390,074. LIQUID CLEANER FOR FLOORS, TILE, WINDOWS, PAINTED WALLS, WOODWORK, AND SIMILAR USES. THE C. B. DOLGE COMPANY, Westport, Conn.
Filed January 12, 1940. Serial No. 427,369. PUBLISHED APRIL 30, 1940. Class 4.

390,075. SKIN OINTMENT. WM. H. GLASCOT & CO., Michigan City, Ind.
Filed February 28, 1940. Serial No. 428,987. PUBLISHED JUNE 17, 1941. Class 6.

390,076. WOOD CASED PENCILS. WALLACE PENCIL COMPANY, St. Louis County, Mo.
Filed March 15, 1940. Serial No. 429,632. PUBLISHED JULY 30, 1940. Class 37.

390,077. COMPOSITION EMPLOYED IN THE CONDITIONING OF STEEL AND COMPRISING A REDUCING AGENT AND A COMPOUND OF ONE OR MORE MEMBERS OF THE GROUP INCLUDING THE ALKALI AND ALKALINE EARTH AND MAGNESIUM, ETC. BARIUM AND CHEMICALS, INC., Willoughby, Ohio.
Filed March 20, 1940. Serial No. 429,759. PUBLISHED JUNE 24, 1941. Class 6.

390,078. GRINDERS OF THE MACHINE TOOL TYPE SUITABLE FOR PRECISION SURFACE GRINDING AND MACHINE TOOL CUTTER GRINDING, ETC. THE DOALL COMPANY, Minneapolis, Minn., assignor to Savage Tool Company, Minneapolis, Minn., a corporation of Illinois.
Filed March 20, 1940. Serial No. 429,766. PUBLISHED JULY 1, 1941. Class 23.

390,079. CHEMICAL PREPARATION FOR PRESERVATION OF WOOD FROM DRY ROT, DECAY, AND TERMITES. C. J. MARTIN & SONS, INC., Austin, Tex.
Filed March 26, 1940. Serial No. 429,989. PUBLISHED JULY 30, 1940. Class 6.

390,080. QUARTZ ULTRA VIOLET FLUORESCENT LAMPS USED IN THE DETECTION AND ANALYSIS OF FLUORESCENT ORES AND MINERALS. ULTRA VIOLET PRODUCTS, INC., Los Angeles, Calif.
Filed April 10, 1940. Serial No. 430,634. PUBLISHED JULY 1, 1941. Class 26.

390,081. PAINTS IN DRY, PASTE, AND READY MIXED FORM—NAMELY, EXTERIOR PAINT, INTERIOR PAINT, PAINT ENAMELS, AND ROAD MARKING PAINTS. CASO INCORPORATED, Providence, R. I., assignor to The Calcibrite Corporation, Pawtucket, R. I., a corporation of Massachusetts.
Filed May 6, 1940. Serial No. 431,591. PUBLISHED NOVEMBER 12, 1940. Class 16.

390,082. PETROLEUM AND PRODUCTS OF PETROLEUM WITH OR WITHOUT ADMIXTURE OF OTHER MATERIALS, FOR ILLUMINATING, HEATING, ETC., ROOSEVELT OIL COMPANY, Mount Pleasant, Mich.
Filed May 9, 1940. Serial No. 431,740. PUBLISHED JUNE 24, 1941. Class 15.

390,083. CUTLERY, PARTICULARLY TABLE KNIVES AND FORKS, AND PARTS THEREOF, MADE OF BASE METAL. REMINGTON ARMS COMPANY, INC., Bridgeport, Conn.
Filed May 18, 1940. Serial No. 432,099. PUBLISHED JULY 1, 1941. Class 23.

390,084. CUTLERY, PARTICULARLY BUTCHER AND HOUSEHOLD KNIVES, AND CARVING SETS OF BASE METAL, AND PARTS THEREOF. REMINGTON ARMS COMPANY, INC., Bridgeport, Conn.
Filed May 18, 1940. Serial No. 432,100. PUBLISHED JULY 1, 1941. Class 23.

390,085. BUTTER AND EGGS. GINO CENTONI, doing business as Roma Packing Company, Chicago, Ill.
Filed July 20, 1940. Serial No. 434,170. PUBLISHED JULY 1, 1941. Class 46.

390,086. RAZORS AND RAZOR BLADES. ATLANTIC BLADE CORPORATION, Brooklyn, N. Y.
Filed August 5, 1940. Serial No. 434,694. PUBLISHED JULY 1, 1941. Class 23.

390,087. PREPARATION FOR THE TREATMENT OF COUGHS DUE TO COLDS. HOMO DISTRIBUTING CO., INC., Buffalo, N. Y.
Filed August 8, 1940. Serial No. 434,788. PUBLISHED DECEMBER 17, 1940. Class 6.

390,088. FLATWARE FOR TABLE USE, HOLLOWWARE FOR TABLE AND DECORATIVE USES, ETC. GEORG JENSEN INC., New York, N. Y.
Filed August 10, 1940. Serial No. 434,873. PUBLISHED JULY 1, 1941. Class 28.

390,089. FLATWARE FOR TABLE USE, HOLLOWWARE FOR TABLE AND DECORATIVE USES, ETC. GEORG JENSEN INC., New York, N. Y.
Filed August 10, 1940. Serial No. 434,875. PUBLISHED JULY 1, 1941. Class 28.

390,090. FLATWARE FOR TABLE USE, HOLLOWWARE FOR TABLE AND DECORATIVE USES, ETC. GEORG JENSEN INC., New York, N. Y.
Filed August 10, 1940. Serial No. 434,877. PUBLISHED JULY 1, 1941. Class 28.

390,091. WOODEN AWNINGS. JOSEPH W. HAWLEY, Fort Worth, Tex.
Filed August 19, 1940. Serial No. 435,108. PUBLISHED JULY 1, 1941. Class 12.

390,092. LUBRICATING OILS AND GREASES. TIONA PETROLEUM COMPANY, Philadelphia, Pa.
Filed August 22, 1940. Serial No. 435,261. PUBLISHED JULY 1, 1941. Class 15.

390,093. PAINT SPRAYERS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed September 13, 1940. Serial No. 435,958. PUBLISHED JULY 1, 1941. Class 23.

390,094. WATCHES AND CLOCKS. EDWARD L. STERN, New York, N. Y.
Filed September 14, 1940. Serial No. 435,986. PUBLISHED NOVEMBER 26, 1940. Class 27.

390,095. ASPHALTIC PRODUCTS—NAMELY, PAVING CEMENT AND PETROLEUM ASPHALT. CALIFORNIA TEXAS OIL COMPANY, LIMITED, New York, N. Y.
Filed November 19, 1940. Serial No. 438,035. PUBLISHED JUNE 24, 1941. Class 12.

390,096. PERFUMES AND COSMETICS (PERFUME, EAU DE COLOGNE, TOILET WATER, SKIN CREAMS, LOTIONS, SKIN-TONIC, BRILLIANTINE). GUSTAV SCHWARZ, Chicago, Ill.
Filed September 16, 1940. Serial No. 436,037. PUBLISHED JULY 1, 1941. Class 6.

390,097. MEATS AND MEAT PRODUCTS — VIZ., CANNED HAMS. ALBANY PACKING COMPANY, INC., West Albany, N. Y.
Filed November 20, 1940. Serial No. 438,063. PUBLISHED JULY 1, 1941. Class 46.

390,098. STEEL CHANNELS FOR USE IN BUILDINGS WHICH CHANNELS INCORPORATE MEANS ADAPTED TO CLINCH NAILS. CHARLES L. GANE, doing business as Atlas Supply Company, Philadelphia, Pa.
Filed November 20, 1940. Serial No. 438,072. PUBLISHED JULY 1, 1941. Class 12.

390,099. GYPSUM BOARD UNITS IN WHICH SEPARATE BOARD ELEMENTS ARE LAMINATED WITH WEB MATERIAL SUCH AS WIRE CLOTH THEREBETWEEN. CHARLES L. GANE, doing business as Atlas Supply Company, Philadelphia, Pa.
Filed November 20, 1940. Serial No. 438,073. PUBLISHED JULY 1, 1941. Class 12.

390,100. PILLOWS. NORTHERN FEATHER WORKS, INC., Newark, N. J., and Chicago, Ill.
Filed November 29, 1940. Serial No. 438,349. PUBLISHED JULY 1, 1941. Class 32.

390,101. BRAKE LINING, CLUTCH FACING, PUMP PACKING, FAN BELTS, RUBBER HOSE CONNECTIONS, AND RUBBER AND FABRIC HOSE CONNECTIONS. NATIONAL AUTOMOTIVE PARTS ASSOCIATION, Detroit, Mich.
Filed November 29, 1940. Serial No. 438,368. PUBLISHED JULY 1, 1941. Class 35.

390,102. UNDER ARM AND BODY LIQUID SPRAY DEODORANT. MADELAINE, INC., Newark, N. J.
Filed December 10, 1940. Serial No. 438,696. PUBLISHED JUNE 17, 1941. Class 6.

390,103. UNDER ARM AND BODY LIQUID SPRAY DEODORANT. MADELAINE, INC., Newark, N. J.
Filed December 10, 1940. Serial No. 438,697. PUBLISHED JUNE 17, 1941. Class 6.

390,104. SCISSORS. JOHN A. EBERLY, Mohnton, Pa.
Filed December 16, 1940. Serial No. 438,873. PUBLISHED JULY 1, 1941. Class 23.

390,105. CEMENTITIOUS ADHESIVE OR BINDER FOR PAPER, CLOTH, AND GLASS AND ADHESIVE SEALING SUBSTANCES FOR CONTAINERS. STANDARD OIL DEVELOPMENT COMPANY, Linden, N. J.
Filed December 17, 1940. Serial No. 438,964. PUBLISHED JULY 1, 1941. Class 5.

390,106. ILLUMINATING OILS, LUBRICATING OILS, AND WAXES. STANDARD OIL DEVELOPMENT COMPANY, Linden, N. J.
Filed December 17, 1940. Serial No. 438,966. PUBLISHED JULY 1, 1941. Class 15.

390,107. PHOTOGRAPHIC MATERIALS — NAMELY, PHOTOGRAPHIC FILM. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y.
Filed December 23, 1940. Serial No. 439,099. PUBLISHED JULY 1, 1941. Class 26.

390,108. OPHTHALMIC MOUNTINGS. BAUSCH & LOMB OPTICAL COMPANY, Rochester, N. Y.
Filed December 26, 1940. Serial No. 439,191. PUBLISHED JULY 1, 1941. Class 26.

390,109. DOG FOOD. THE QUAKER OATS COMPANY, Chicago, Ill.
Filed January 2, 1941. Serial No. 439,364. PUBLISHED JULY 1, 1941. Class 46.

390,110. VITAMIN TONIC. UNITED CIGAR-WHELAN STORES CORPORATION, New York, N. Y.
Filed January 8, 1941. Serial No. 439,502. PUBLISHED MARCH 11, 1941. Class 6.

390,111. COMIC STRIPS. BILL TREADWELL, New York, N. Y.
Filed January 21, 1941. Serial No. 439,845. PUBLISHED JULY 1, 1941. Class 38.

390,112. TOILET PREPARATIONS FOR THE HANDS AND NAILS. KEENE'S LABORATORIES LIMITED, London, England.
Filed January 27, 1941. Serial No. 440,009. PUBLISHED JUNE 24, 1941. Class 6.

390,113. ASH TRAYS. HENRY PRATT LYMAN, Fort Smith, Ark.
Filed January 31, 1941. Serial No. 440,170. PUBLISHED JULY 1, 1941. Class 8.

390,114. INTERNAL COMBUSTION ENGINES. WRIGHT AERONAUTICAL CORPORATION, Paterson, N. J.
Filed January 31, 1941. Serial No. 440,399. PUBLISHED JULY 1, 1941. Class 23.

390,115. WATERPROOF GLUE. UNITED STATES PLYWOOD CORPORATION, New York, N. Y.
Filed February 10, 1941. Serial No. 440,528. PUBLISHED APRIL 1, 1941. Class 5.

390,116. SANDWICHES. THE NICKEL PLATE SYSTEM, Sioux City, Iowa, and Sioux Falls, S. Dak.
Filed February 13, 1941. Serial No. 440,633. PUBLISHED JULY 1, 1941. Class 46.

390,117. APPARATUS AND EQUIPMENT FOR REPRODUCING SOUND FROM A SOUND FILM RECORD AND PARTS THEREOF. RCA MANUFACTURING COMPANY, INC., Camden, N. J.
Filed February 15, 1941. Serial No. 440,706. PUBLISHED JULY 1, 1941. Class 26.

390,118. MARINE BEARINGS SUCH AS STERN TUBE BEARINGS AND PINTLE BEARINGS. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa.
Filed February 18, 1941. Serial No. 440,764. PUBLISHED JULY 1, 1941. Class 23.

390,119. MAGAZINES. THE YOUNG MEN'S CHRISTIAN ASSOCIATION OF CHICAGO, Chicago, Ill.
Filed February 19, 1941. Serial No. 440,795. PUBLISHED JULY 1, 1941. Class 38.

390,120. EXHAUST MUFFLERS. BASCA MANUFACTURING CO. INC., Indianapolis, Ind.
Filed February 24, 1941. Serial No. 440,907. PUBLISHED JULY 1, 1941. Class 23.

390,121. FRUIT JUICES AND MALTLESS NONALCOHOLIC BEVERAGES, BOTH SOLD AS SOFT DRINKS. CALIFORNIA VALENCIA JUICE COMPANY, (INC.), Chicago, Ill.
Filed February 24, 1941. Serial No. 440,910. PUBLISHED JULY 1, 1941. Class 45.

390,122. MECHANICAL INSTRUMENT FOR RECORDING DATA CONCERNING WELL DRILLING OPERATIONS, SUCH AS DRILLING TIME IN MINUTES PER FOOT, ROUND TRIP TIME FOR CHANGING BITS AND ADDING JOINTS, SHUTDOWN TIME AND THE LIKE. INDIAN TERRITORY ILLUMINATING OIL COMPANY, Bartlesville, Okla.
Filed February 26, 1941. Serial No. 441,020. PUBLISHED JULY 1, 1941. Class 26.

390,123. TOILET BRUSHES — NAMELY, HAIR BRUSHES, TOOTH BRUSHES, NAIL BRUSHES, BATH BRUSHES, COMPLEXION BRUSHES, HAND BRUSHES, AND HAT BRUSHES. JOHN HUDSON MOORE, INC., New York, N. Y.
Filed February 26, 1941. Serial No. 441,030. PUBLISHED JULY 1, 1941. Class 29.

390,124. SCREW DRIVERS. LANDON P. SMITH, INC., Irvington, N. J.
Filed February 27, 1941. Serial No. 441,062. PUBLISHED JULY 1, 1941. Class 23.

390,125. COSMETICS — NAMELY, BATH SALTS, SCALP LOTION, HAIR OIL, AFTER SHAVING POWDER, COCOANUT OIL, ETC. RAYMOND W. APPLETON, doing business as Parker-Bouldin Company, St. Paul, Minn.
Filed February 28, 1941. Serial No. 441,077. PUBLISHED JUNE 24, 1941. Class 6.

390,126. ENAMEL ADAPTED FOR COATING FINGER NAILS, AND LIPSTICKS. REVLON PRODUCTS CORPORATION, New York, N. Y.
Filed February 28, 1941. Serial No. 441,108. PUBLISHED JUNE 17, 1941. Class 6.

390,127. ENAMEL ADAPTED FOR COATING FINGER NAILS, AND LIPSTICKS. REVLON PRODUCTS CORPORATION, New York, N. Y.
Filed February 28, 1941. Serial No. 441,109. PUBLISHED JUNE 17, 1941. Class 6.

390,128. DIES FOR USE IN FORMING DISHES OF SILVER OR SILVER PLATE. UNITED STATES RUBBER COMPANY, New York, N. Y.
Filed March 4, 1941. Serial No. 441,219. PUBLISHED JULY 1, 1941. Class 23.

390,129. NATURAL COLOR PHOTOGRAPHS. COLORTECK, INC., New York, N. Y.
Filed March 5, 1941. Serial No. 441,232. PUBLISHED JUNE 24, 1941. Class 38.

390,130. MONTHLY PERIODICAL IN THE NATURE OF A TRADE MAGAZINE PRINCIPALLY FOR BUYERS AND SELLERS OF RADIO TIME AND CONTAINING ADVERTISING, NEWS, AND COMMENTS ON RADIO BROADCASTING. SPONSOR COMPANY, Washington, D. C.
Filed March 5, 1941. Serial No. 441,263. PUBLISHED JUNE 24, 1941. Class 38.

390,131. ELECTRIC FAN STANDS SIMULATING TABLES OR MAGAZINE STANDS. WILLIAM W. Welch, doing business as W. W. Welch Co., Cincinnati, Ohio.
Filed March 5, 1941. Serial No. 441,269. PUBLISHED JULY 1, 1941. Class 21.

390,132. TEXTILE FABRICS IN THE PIECE—NAMELY, SILK FABRICS, RAYON FABRICS, FABRICS CONSISTING OF A MIXTURE OF RAYON AND SILK, AND COTTON, WOOLEN, OR LINEN FABRICS. NATIONAL FABRICS CORPORATION, New York, N. Y.
Filed April 16, 1941. Serial No. 442,634. PUBLISHED JULY 1, 1941. Class 42.

390,133. MOTOR OIL. THE CANFIELD OIL COMPANY, Cleveland, Ohio.
Filed April 17, 1941. Serial No. 442,649. PUBLISHED JUNE 24, 1941. Class 15.

390,134. SAUCE FOR USE WITH MEAT, FISH, GAME, CHOPS, CUTLETS, AND CHEESE. MACONOCHIE BROTHERS, LIMITED, London, England.
Filed April 18, 1941. Serial No. 442,716. PUBLISHED JULY 1, 1941. Class 46.

390,135. PUBLISHED WORD PUZZLES. BIRD SPIKER, College Station, Tex.
Filed April 18, 1941. Serial No. 442,733. PUBLISHED JULY 1, 1941. Class 38.

380,136. APPARATUS FOR CLEANING, FUMIGATING, AND CONTROLLING MOTHS, ROACHES, AND OTHER INSECT PESTS, DESIGNED FOR ATTACHMENT TO ELECTRIC VACUUM CLEANERS. AIR-WAY ELECTRIC APPLIANCE CORPORATION, Toledo, Ohio.
Filed April 21, 1941. Serial No. 442,767. PUBLISHED JULY 1, 1941. Class 23.

380,137. AIR RIFLES. A. B. T. MANUFACTURING CORP., Chicago, Ill.
Filed April 21, 1941. Serial No. 442,793. PUBLISHED JULY 1, 1941. Class 9.

390,138. VITAMIN TABLETS. MILES LABORATORIES, INC., Elkhart, Ind.
Filed April 21, 1941. Serial No. 442,796. PUBLISHED JULY 1, 1941. Class 6.

390,139. PETROLEUM PRODUCTS—NAMELY, GASOLINE. SUNSET OIL COMPANY, Los Angeles, Calif.
Filed April 21, 1941. Serial No. 442,808. PUBLISHED JUNE 24, 1941. Class 15.

390,140. PETROLEUM PRODUCTS—NAMELY, GASOLINE. SUNSET OIL COMPANY, Los Angeles, Calif.
Filed April 21, 1941. Serial No. 442,809. PUBLISHED JUNE 24, 1941. Class 15.

390,141. VAGINAL CREAMS AND JELLIES. ORTHO PRODUCTS, INC., Linden, N. J.
Filed April 22, 1941. Serial No. 442,850. PUBLISHED JULY 1, 1941. Class 6.

390,142. COSMETIC IN THE NATURE OF A SOLIDIFIED CREAM USED FOR A MAKE-UP BASE. MAX FACTOR & CO., Los Angeles, Calif.
Filed April 23, 1941. Serial No. 442,863. PUBLISHED JULY 1, 1941. Class 6.

390,143. COSMETIC IN THE NATURE OF A SOLIDIFIED CREAM USED FOR A MAKE-UP BASE. MAX FACTOR & CO., Los Angeles, Calif.
Filed April 23, 1941. Serial No. 442,864. PUBLISHED JULY 1, 1941. Class 6.

390,144. EAU DE COLOGNES, PERFUMES, AND COSMETIC CREAMS. LENTHERIC, INCORPORATED, New York, N. Y.
Filed April 24, 1941. Serial No. 442,907. PUBLISHED JULY 1, 1941. Class 6.

390,145. RUGS AND CARPETS. MOHAWK CARPET MILLS, INC., Amsterdam, N. Y.
Filed April 25, 1941. Serial No. 442,964. PUBLISHED JULY 1, 1941. Class 42.

390,146. SERIES OF CARTOONS IN A PUBLICATION PUBLISHED FROM TIME TO TIME. THE PARENTS' INSTITUTE, INC., New York, N. Y.
Filed April 25, 1941. Serial No. 442,967. PUBLISHED JULY 1, 1941. Class 38.

390,147. COLUMN OR SECTION IN A PUBLICATION PUBLISHED FROM TIME TO TIME. THE PARENTS' INSTITUTE, INC., New York, N. Y.
Filed April 25, 1941. Serial No. 442,969. PUBLISHED JULY 1, 1941. Class 38.

390,148. WHEAT FLOUR. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn.
Filed April 25, 1941. Serial No. 442,971. PUBLISHED JULY 1, 1941. Class 46.

390,149. TABLETS FOR THE RELIEF OF FEVERS AND COLDS. SANTIAGO DEVELOPMENT CORPORATION, Long Island City, N. Y.
Filed April 25, 1941. Serial No. 442,976. PUBLISHED JULY 1, 1941. Class 6.

390,150. HEADACHE TABLETS. SANTIAGO DEVELOPMENT CORPORATION, Long Island City, N. Y.
Filed April 25, 1941. Serial No. 442,977. PUBLISHED JULY 1, 1941. Class 6.

390,151. LIQUID MEDICINE FOR MALARIA FEVER, ALSO IN TABLET FORM. SANTIAGO DEVELOPMENT CORPORATION, Long Island City, N. Y.
Filed April 25, 1941. Serial No. 442,978. PUBLISHED JULY 1, 1941. Class 6.

390,152. CANNED OLIVES. LINDSAY RIPE OLIVE COMPANY, Lindsay, Calif.
Filed April 26, 1941. Serial No. 443,010. PUBLISHED JULY 1, 1941. Class 46.

390,153. CARBONATED, MINERALIZED NONALCOHOLIC, MALTLESS BEVERAGE SOLD AS A SOFT DRINK. GEORGE E. GORTON, Crawford, Nebr.
Filed April 28, 1941. Serial No. 443,043. PUBLISHED JULY 1, 1941. Class 45.

390,154. BATH POWDERS, BATH CRYSTALS, TALCUM POWDERS, SACHETS, LOTIONS FOR THE SKIN, AND PERFUMERY. CAMPANA SALES COMPANY, Batavia, Ill.
Filed April 29, 1941. Serial No. 443,069. PUBLISHED JUNE 17, 1941. Class 6.

390,155. SURFACING WAX. FULD BROS., doing business as Lancaster Laboratories, Baltimore, Md.
Filed April 29, 1941. Serial No. 443,077. PUBLISHED JULY 1, 1941. Class 16.

390,156. INSECTICIDES. CHEMTROIC CORPORATION, Richmond, Calif.
Filed April 30, 1941. Serial No. 443,115. PUBLISHED JUNE 17, 1941. Class 6.

390,157. FRESH CITRUS AND DECIDUOUS FRUITS AND VEGETABLES. LEE E. VIVION, JR., Indio, Calif.
Filed April 30, 1941. Serial No. 443,143. PUBLISHED JULY 1, 1941. Class 46.

390,158. FRESH CITRUS AND DECIDUOUS FRUITS AND VEGETABLES. LEE E. VIVION, JR., Indio, Calif.
Filed April 30, 1941. Serial No. 443,145. PUBLISHED JULY 1, 1941. Class 46.

390,159. FRESH CITRUS AND DECIDUOUS FRUITS AND VEGETABLES. LEE E. VIVION, JR., Indio, Calif.
Filed April 30, 1941. Serial No. 443,146. PUBLISHED JULY 1, 1941. Class 46.

390,160. PHARMACEUTICAL PREPARATION, MORE PARTICULARLY VITAMIN AND IRON CAPSULES. THE MALTINE COMPANY, New York, N. Y.
Filed May 1, 1941. Serial No. 443,166. PUBLISHED JUNE 17, 1941. Class 6.

390,161. VITAMIN K SYNTHETIC SUBSTANCE IN WATER FOR INTRAVENOUS, INTRAMUSCULAR OR SUBCUTANEOUS USE INDICATED IN HYPOPROTHROMBINEMIA CONDITIONS. THE DRUG PRODUCTS CO., INC., Long Island City, N. Y.
Filed May 2, 1941. Serial No. 443,186. PUBLISHED JUNE 17, 1941. Class 6.

390,162. VANITY CASES CONTAINING ROUGES. LENTHERIC, INCORPORATED, New York, N. Y.
Filed May 2, 1941. Serial No. 443,196. PUBLISHED JUNE 17, 1941. Class 6.

390,163. CANNED OLIVES. O. D. GIFFORD, San Diego, Calif.
Filed May 3, 1941. Serial No. 443,229. PUBLISHED JULY 1, 1941. Class 46.

390,164. CANNED OLIVES. LA MIRADA OLIVE COMPANY, San Francisco, Calif.
Filed May 5, 1941. Serial No. 443,254. PUBLISHED JULY 1, 1941. Class 46.

390,165. CHEMICAL COMPOUNDS AND SOLUTIONS FOR THE TREATMENT AND REFINING OF PETROLEUM. PETROLITE CORPORATION, LTD., Webster Groves, Mo.
Filed May 5, 1941. Serial No. 443,263. PUBLISHED JUNE 24, 1941. Class 6.

390,166. FRESH CITRUS FRUITS. SUNFLOWER PACKING CORP., Porterville, Calif.
Filed May 10, 1941. Serial No. 443,466. PUBLISHED JULY 1, 1941. Class 46.

390,167. FRESH VEGETABLES. W. C. MCCONNELL, San Benito, Tex.
Filed May 12, 1941. Serial No. 443,511. PUBLISHED JULY 1, 1941. Class 46.

390,168. LIQUID PERFUME FOR GENERAL USE EXCEPT UPON THE PERSON. THE EXPELLO CORPORATION, Dover, N. H.
Filed May 13, 1941. Serial No. 443,534. PUBLISHED JUNE 24, 1941. Class 6.

390,169. PREPARATION CONSISTING OF AN ANTIASTHMATIC TABLET. ENDO PRODUCTS, INC., New York, N. Y.
Filed May 14, 1941. Serial No. 443,561. PUBLISHED JUNE 24, 1941. Class 6.

390,170. PERFUMES, TOILET WATERS, AND COSMETIC CREAMS. LENTHERIC, INCORPORATED, New York, N. Y.
Filed May 14, 1941. Serial No. 443,572. PUBLISHED JUNE 24, 1941. Class 6.

390,171. LIPSTICKS AND ROUGES. ELIZABETH ARDEN SALES CORPORATION, New York, N. Y.
Filed March 7, 1941. Serial No. 441,302. PUBLISHED MAY 20, 1941. Class 6.

390,172. PHARMACEUTICAL PRODUCTS—NAMELY, A LAXATIVE. WEBSTER L. SOHL, New York, N. Y.
Filed March 7, 1941. Serial No. 441,331. PUBLISHED JUNE 24, 1941. Class 6.

390,173. WHEAT FLOUR. TEX-O-KAN FLOUR MILLS COMPANY, doing business as Burrus Mill & Elevator Company, Dallas, Tex.
Filed March 11, 1941. Serial No. 441,456. PUBLISHED JULY 1, 1941. Class 46.

390,174. JEWELRY FOR PERSONAL WEAR OR ADORNMENT, NOT INCLUDING WATCHES. MARATHON CO., Attleboro, Mass.
Filed March 12, 1941. Serial No. 441,478. PUBLISHED JULY 1, 1941. Class 28.

390,175. STEELS USED FOR TOOLS. SWEDISH STEEL MILLS' A. A., INC., New York, N. Y.
Filed March 12, 1941. Serial No. 441,493. PUBLISHED JULY 1, 1941. Class 14.

390,176. DRYING MACHINES, AND MORE PARTICULARLY, FOR MACHINES USED IN LAUNDRIES FOR THE DRYING OF LAUNDRY ARTICLES AND USED IN DRY CLEANING PLANTS FOR THE DRYING OF DRY CLEANING WORK. THE AMERICAN LAUNDRY MACHINERY COMPANY, Cincinnati, Ohio.
Filed March 14, 1941. Serial No. 441,530. PUBLISHED JULY 1, 1941. Class 24.

390,177. TOILET KIT INCLUDING A CONTAINER IN WHICH IS PLACED A MIRROR, COMB, HAIR BRUSH, AND KINDRED ARTICLES. WILLIAM ANDERSON BAKER, Hattiesburg, Miss.
Filed March 15, 1941. Serial No. 441,562. PUBLISHED JULY 1, 1941. Class 50.

390,178. PHARMACEUTICAL PREPARATION—NAMELY, A PREPARATION OF THE ANTERIOR PITUITARY GLAND DESIGNED FOR USE IN IMPAIRED CONDITIONS OF THE ANTERIOR PITUITARY GLAND. DIFCO LABORATORIES INCORPORATED, Detroit, Mich.
Filed March 15, 1941. Serial No. 441,569. PUBLISHED JUNE 17, 1941. Class 6.

390,179. DRIED MINT LEAF TEA. PAUL C. BRAGG, doing business as Live Foods Products Co., Burbank, Calif.
Filed March 17, 1941. Serial No. 441,604. PUBLISHED JULY 1, 1941. Class 46.

390,180. LIQUID DETERGENT USED IN CLEANING—NAMELY, A CLEANER FOR BATH ROOMS, BATH TUBS, WOODWORK, KITCHENS, PAINTED WALLS, BASEMENTS, LINOLEUM, FLOORS, RUGS, UPHOLSTERY, AND LAUNDERING. THE MORTON S. PINE COMPANY, Cleveland, Ohio.
Filed March 17, 1941. Serial No. 441,620. PUBLISHED JULY 1, 1941. Class 4.

390,181. ELECTRICAL APPLIANCES COMPRISING ELECTRIC FLATIRONS (GROUP A); ELECTRIC TOASTER GRILLS, ELECTRIC TOASTER AND TABLE STOVES, ETC. CHICAGO FLEXIBLE SHAFT COMPANY, Chicago, Ill.
Filed March 19, 1941. Serial No. 441,695. PUBLISHED JULY 1, 1941. Class 21.

390,182. PLASTIC MARSHMALLOW USED AS A RAW MATERIAL IN THE MANUFACTURE OR PREPARATION OF ICE CREAM AND OTHER FOOD PRODUCTS. WHITE-STOKES COMPANY, INC., Chicago, Ill.
Filed March 19, 1941. Serial No. 441,717. PUBLISHED JULY 1, 1941. Class 46.

390,183. HOME RECORDING DISCS. HAMMERMILL PAPER COMPANY, Erie, Pa.
Filed March 20, 1941. Serial No. 441,732. PUBLISHED JULY 1, 1941. Class 36.

390,184. SOUNDING TUBES. KELVIN, BOTTOMLEY & BAIRD, LIMITED, Glasgow, Scotland.
Filed March 20, 1941. Serial No. 441,735. PUBLISHED JULY 1, 1941. Class 26.

390,185. LUBRICATING JELLY FOR ANATOMICAL, CLINICAL, GYNECOLOGICAL, MEDICAL, OBSTETRICAL, OTOLOGICAL, AND SURGICAL USE OR APPLICATION. ROBERT ALEXANDER BACHMANN, doing business as Bach Products Co., New York, N. Y.
Filed March 21, 1941. Serial No. 441,758. PUBLISHED JUNE 17, 1941. Class 6.

390,186. PIECE GOODS MADE OF SILK, RAYON, COTTON, WOOL, AND MIXTURES THEREOF, AND VELVET FABRICS, USED IN THE MAKING OF DRESSES, NECKTIES, SHIRTWAISTS, UNDERWEAR, NEGLIGEES, SHIRTS, UPHOLSTERY, DRAPERIES, AND BEDSPREADS. CHENEY BROTHERS, Manchester, Conn., and New York, N. Y.
Filed March 21, 1941. Serial No. 441,762. PUBLISHED JULY 1, 1941. Class 42.

390,187. ELECTRICAL LOUDSPEAKERS AND PARTS THEREOF AND ACCESSORIES THEREFOR, ELECTRICAL TRANSFORMERS, AMPLIFIERS, INTER-COMMUNICATING EQUIPMENT AND PARTS THEREOF AND ELECTRICAL COMBINATION SOUND-SLIDE-FILM PHONOGRAPH PROJECTOR UNITS. OPERADIO MANUFACTURING CO., St. Charles, Ill.
Filed March 21, 1941. Serial No. 441,781. PUBLISHED JULY 1, 1941. Class 21.

390,188. DEODORANT STICK. ELIZABETH ARDEN SALES CORPORATION, New York, N. Y.
Filed March 22, 1941. Serial No. 441,804. PUBLISHED JUNE 10, 1941. Class 6.

390,189. PERIODICAL. THE TYLER PUBLISHING COMPANY, Battle Creek, Mich.
Filed March 22, 1941. Serial No. 441,843. PUBLISHED JULY 1, 1941. Class 38.

390,190. SPUN RAYON PIECE GOODS. CANTOR GREENSPAN CO., INC., New York, N. Y.
Filed March 24, 1941. Serial No. 441,856. PUBLISHED JULY 1, 1941. Class 42.

390,191. POWER DRIVEN SAWS AND FLEXIBLE SHAFTING. MALL TOOL COMPANY, Chicago, Ill.
Filed March 24, 1941. Serial No. 441,874. PUBLISHED JULY 1, 1941. Class 23.

390,192. COMPLETE, MIXED FERTILIZER. FIDELITY CHEMICAL CORPORATION, Houston, Tex.
Filed March 25, 1941. Serial No. 441,905. PUBLISHED JULY 1, 1941. Class 10.

390,193. WETTING AGENT MORE PARTICULARLY FOR USE IN THE WETTING OF DUST. THE JOHNSON-MARCH CORPORATION, New York, N. Y.
Filed March 25, 1941. Serial No. 441,913. PUBLISHED JUNE 17, 1941. Class 6.

390,194. PERIODICAL PUBLICATION. LEO GREENWALD, doing business as Champ Publishing Company, New York, N. Y.
Filed March 26, 1941. Serial No. 441,960. PUBLISHED JUNE 24, 1941. Class 38.

390,195. EAU DE COLOGNE, PERFUME, DUSTING POWDER, TALCUM POWDER, BATH CRYSTALS, BUBBLE BATH PREPARATIONS, BATH OIL, COMBINATION GIFT SETS CONSISTING OF EAU DE COLOGNE, POWDER, BATH CRYSTALS. ST. DENIS TOILETRIES, INC., New York, N. Y.
Filed March 26, 1941. Serial No. 441,981. PUBLISHED JUNE 17, 1941. Class 6.

390,196. EAU DE COLOGNE, PERFUME, DUSTING POWDER, TALCUM POWDER, BATH CRYSTALS, BUBBLE BATH PREPARATIONS, BATH OIL, COMBINATION GIFT SETS CONSISTING OF EAU DE COLOGNE, POWDER, BATH CRYSTALS. ST. DENIS TOILETRIES, INC., New York, N. Y.
Filed March 26, 1941. Serial No. 441,982. PUBLISHED JUNE 17, 1941. Class 6.

390,197. CAKE AND FRUIT KNIVES NOT MADE OF PRECIOUS METAL. NATHAN K. MORRIS, Asbury Park, N. J.
Filed March 29, 1941. Serial No. 442,070. PUBLISHED JULY 1, 1941. Class 23.

390,198. MEDICINAL MINERAL OIL. PUREPAC CORPORATION, New York, N. Y.
Filed March 29, 1941. Serial No. 442,073. PUBLISHED JUNE 17, 1941. Class 6.

390,199. COAL. BLOCK COAL AND COKE COMPANY, INC., Knoxville, Tenn.
Filed March 31, 1941. Serial No. 442,098. PUBLISHED JULY 1, 1941. Class 1.

390,200. SPARK PLUGS. BOWERS BATTERY MFG. COMPANY, INC., Reading, Pa.
Filed March 31, 1941. Serial No. 442,101. PUBLISHED JULY 1, 1941. Class 21.

390,201. CANNED FRUIT JUICES FOR FOOD PURPOSES. FLORIDA FRUIT CANNERS, INC., Frostproof, Fla.
Filed March 31, 1941. Serial No. 442,118. PUBLISHED JULY 1, 1941. Class 46.

390,202. HAND OPERATED TOOLS—NAMELY, AXES, CULTIVATORS, CUTTERS, LETTUCE CUTTERS, ETC. THE UNION FORK & HOE COMPANY, Columbus, Ohio.
Filed March 31, 1941. Serial No. 442,149. PUBLISHED JULY 1, 1941. Class 23.

390,203. GUMMED DISCS FOR LOOSE LEAF STATIONERY. GOLDSMITH BROS., New York, N. Y.
Filed April 1, 1941. Serial No. 442,167. PUBLISHED JULY 1, 1941. Class 37.

390,204. MOISTURE PROOF LININGS OR WRAPPERS MADE OF TWO SHEETS OF PAPER LAMINATED TOGETHER FOR PAPER BAGS, AND OTHER USES. BENJ. C. BETNER CO., Devon, Pa.
Filed April 2, 1941. Serial No. 442,186. PUBLISHED JULY 1, 1941. Class 37.

390,205. INSULATED ELECTRICAL CONDUCTORS, WIRES, AND CABLES, AND INSULATING SLEEVING. ROME CABLE CORPORATION, Rome, N. Y.
Filed April 2, 1941. Serial No. 442,214. PUBLISHED JULY 1, 1941. Class 21.

390,206. FRESH VEGETABLES—NAMELY, FRESH CELERY. VENICE CELERY DISTRIBUTORS, Los Angeles, Calif.
Filed April 2, 1941. Serial No. 442,223. PUBLISHED JULY 1, 1941. Class 46.

390,207. BLANKETS. PORTLAND WOOLEN MILLS, INC., Portland, Oreg.
Filed April 4, 1941. Serial No. 442,280. PUBLISHED JULY 1, 1941. Class 42.

390,208. FURNITURE—NAMELY, BEDS, CHESTS, END TABLES, CHAIRS, MAGAZINE RACKS, DRESSERS, MIRRORS, DESKS, NIGHT TABLES, VANITY TABLES, BENCHES, DESK CHESTS. T. BAUMRITTER CO. INC., New York, N. Y.
Filed April 5, 1941. Serial No. 442,299. PUBLISHED JULY 1, 1941. Class 32.

390,209. WHEAT FLOUR. COMMERCIAL MILLING CO., Detroit, Mich.
Filed April 5, 1941. Serial No. 442,307. PUBLISHED JULY 1, 1941. Class 46.

390,210. RUBBER STAMPS. KENT HARDWARE MFG. CORP., New York, N. Y.
Filed April 5, 1941. Serial No. 442,323. PUBLISHED JULY 1, 1941. Class 37.

390,211. PRINTS OF NURSERY SUBJECTS MADE BY THE SCREEN PROCESS. DAVID I. ALLENTUCK, doing business as Pictorial Arts, Washington, D. C.
Filed April 5, 1941. Serial No. 442,331. PUBLISHED JULY 1, 1941. Class 38.

390,212. MEDICINAL PREPARATION USEFUL IN THE TREATMENT OF DISTEMPER IN DOGS. AURORA LABORATORIES, INC., Chicago, Ill.
Filed April 7, 1941. Serial No. 442,346. PUBLISHED JUNE 17, 1941. Class 6.

390,213. PREPARATION FOR ERADICATING JOHNSON GRASS AND ROOTS. JOE BRASCI, doing business as Joe Brasci & Co., Los Angeles, Calif.
Filed April 7, 1941. Serial No. 442,350. PUBLISHED JUNE 17, 1941. Class 6.

390,214. POULTRY SOLUTION. CHANDLER R. PITTS, doing business as The Pitts Laboratories, Hurlock, Md.
Filed April 7, 1941. Serial No. 442,368. PUBLISHED JUNE 17, 1941. Class 6.

390,215. SEDATIVE EXPECTORANT. JOHN WYETH & BROTHER, INCORPORATED, Philadelphia, Pa.
Filed April 7, 1941. Serial No. 442,380. PUBLISHED JUNE 17, 1941. Class 6.

390,216. CLEANING LIQUID FOR USE ON STONE, TILE, CONCRETE, OR MARBLE. S. L. F. SALES & SERVICE CORP., New York, N. Y.
Filed April 8, 1941. Serial No. 442,398. PUBLISHED JULY 1, 1941. Class 4.

390,217. NAIL POLISH AND NAIL POLISH REMOVER. NORTHAM WARREN CORPORATION, Stamford, Conn.
Filed April 10, 1941. Serial No. 442,455. PUBLISHED JUNE 17, 1941. Class 6.

390,218. HAIR COLORING. SIDNEY J. ARKUSH, doing business as Madame Marva Products Co., St. Louis, Mo.
Filed April 11, 1941. Serial No. 442,477. PUBLISHED JUNE 17, 1941. Class 6.

390,219. OINTMENT TO BE APPLIED EXTERNALLY FOR THE RELIEF OF ECZEMA AND ECZEMATOUS CONDITIONS. THE BENZOCARB CO., Baltimore, Md.
Filed April 11, 1941. Serial No. 442,480. PUBLISHED JUNE 17, 1941. Class 6.

390,220. HAIR RINSE. HOUSE OF HERBS, INC., Canaan, Conn.
Filed April 11, 1941. Serial No. 442,491. PUBLISHED JUNE 17, 1941. Class 6.

390,221. INSECTICIDES. CHEMURGIC CORPORATION, Richmond, Calif.
Filed April 12, 1941. Serial No. 442,518. PUBLISHED JUNE 17, 1941. Class 6.

390,222. MANICURE IMPLEMENT OF THE FOUNTAIN PEN TYPE CAPABLE OF HOLDING AND DISPENSING CUTICLE REMOVER. TAYLOR-FREEMAN-STANLEY, INCORPORATED, New York, N. Y.
Filed April 14, 1941. Serial No. 442,578. PUBLISHED JULY 1, 1941. Class 44.

390,223. COSMETIC LOTIONS. R. H. MACY & CO., INC., New York, N. Y.
Filed April 16, 1941. Serial No. 442,633. PUBLISHED JUNE 17, 1941. Class 6.

390,224. PERFUMES, TOILET WATERS, SACHETS, EAU DE COLOGNES, TALCUM POWDERS, FACE POWDER, BATH POWDER, FACE CREAMS, AND CLEANSING CREAMS. PARFUMS CHARBERT, INC., New York, N. Y.
Filed May 15, 1941. Serial No. 443,616. PUBLISHED JUNE 24, 1941. Class 6.

390,225. THE PROPHYLAXIS OF NUTRITIONAL DISORDERS DUE TO DEFICIENCIES OF CALCIUM, PHOSPHORUS, IRON, AND VITAMIN B_1. SCOTT & BOWNE, Bloomfield, N. J.
Filed May 16, 1941. Serial No. 443,645. PUBLISHED JUNE 24, 1941. Class 6.

390,226. THE PROPHYLAXIS OF NUTRITIONAL DISORDERS DUE TO DEFICIENCIES OF CALCIUM, PHOSPHORUS, IRON, AND VITAMIN B_1. SCOTT & BOWNE, Bloomfield, N. J.
Filed May 16, 1941. Serial No. 443,646. PUBLISHED JUNE 24, 1941. Class 6.

390,227. PLAYING CARDS. TRANSCONTINENTAL & WESTERN AIR, INC., North Kansas City, Mo.
Filed May 19, 1941. Serial No. 443,707. PUBLISHED JULY 1, 1941. Class 22.

390,228. DOLLS. IDEAL NOVELTY & TOY CO., Long Island City, N. Y.
Filed May 21, 1941. Serial No. 443,767. PUBLISHED JULY 1, 1941. Class 22.

390,229. DOLLS. IDEAL NOVELTY & TOY CO., Long Island City, N. Y.
Filed May 21, 1941. Serial No. 443,768. PUBLISHED JULY 1, 1941. Class 22.

390,230. FISH HOOKS. SHOE FORM CO., INC., Auburn, N. Y.
Filed May 24, 1941. Serial No. 443,895. PUBLISHED JULY 1, 1941. Class 22.

390,231. ADHESIVE TAPE. ALBERT A. DANIELS, doing business as Electrotite Company, Chicago, Ill.
Filed May 26, 1941. Serial No. 443,922. PUBLISHED JULY 1, 1941. Class 5.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

390,232. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) RICHARD R. DERRICOTT, doing business as Clemens Central Avenue Florist, Kansas City, Kans. Filed Aug. 7, 1939. Serial No. 422,390.

Clemens
PHOTOGRAPHED
Flowers

FOR POTTED PLANTS, CUT FLOWERS, SPRAYS, WREATHS, BOUQUETS, AND CORSAGES FORMED OF CUT FLOWERS.
Claims use since July 27, 1939.

390,233. (CLASS 37. PAPER AND STATIONERY.) LOCK-TIED BOX COMPANY, INC., New York, N. Y. Filed Nov. 18, 1939. Serial No. 425,796.

LOCK-TIED

FOR BLANKS FOR COLLAPSIBLE BOXES.
Claims use since Nov. 15, 1939.

390,234. (CLASS 38. PRINTS AND PUBLICATIONS.) MILDRED I. KELLEY, doing business as Arlington Phototorium, Arlington, Calif. Filed May 14, 1940. Serial No. 431,915.

POLYCHROMICOLOR

FOR PHOTO CONTACT PRINTS AND ENLARGEMENTS.
Claims use since Oct. 10, 1939.

390,235. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CLINTON COMPANY, Clinton, Iowa. Filed June 12, 1940. Serial No. 432,886.

CLINTON

FOR SOY BEAN OIL FOR USE IN COOKING AND SALADS, SOY BEAN OIL MEAL FOR USE IN STOCK FEEDS, DESSERT POWDERS CONTAINING STARCH.
Claims use on soy bean oil, since Apr. 27, 1936; on soy bean oil meal, since Dec. 23, 1935; on dessert powders, since June, 1935.

390,236. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PEERLESS CHEWING GUM CO., INC., Buffalo, N. Y. Filed June 18, 1940. Serial No. 433,129.

Gumbits

FOR CHEWING GUM.
Claims use since June 15, 1940.

390,237. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LOUIS SHAPIRO, Chicago, Ill. Filed July 16, 1940. Serial No. 434,036.

PURO

FOR WATER SOFTENING PREPARATIONS HAVING INCIDENTAL CLEANSING PROPERTIES.
Claims use since Feb. 1, 1923.

390,238. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) THE SILEX COMPANY, Hartford, Conn. Filed July 16, 1940. Serial No. 434,037.

NO-LIFT

FOR FLATIRON STANDS.
Claims use since July 6, 1940.

390,239. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE JOSEPH & FEISS COMPANY, Cleveland, Ohio. Filed July 27, 1940. Serial No. 434,402.

STURDITWIST

FOR WOOLEN PIECE GOODS.
Claims use since July 12, 1940.

390,240. (CLASS 37. PAPER AND STATIONERY.) COOK PAINT & VARNISH COMPANY, North Kansas City, Mo. Filed Aug. 3, 1940. Serial No. 434,634.

"TIZ-TRIM'D"

FOR WALLPAPER.
Claims use since July 16, 1940.

390,241. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE SHERWIN-WILLIAMS CO., Cleveland, Ohio. Filed Sept. 17, 1940. Serial No. 436,065.

COLOR KEY

FOR COLOR MEASURING INSTRUMENT.
Claims use since July 11, 1940.

390,242. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) TAUNTON PEARL WORKS, Taunton, Mass. Filed Sept. 19, 1940. Serial No. 436,150.

PURSELET

FOR BRACELETS.
Claims use since July 15, 1940.

390,243. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) LOWRIE-ALLISON COMPANY, Fort Worth, Tex. Filed Dec. 23, 1940. Serial No. 439,111.

Automatic Rite-Set

FOR CASTING AND FISHING FLOATS.
Claims use since June, 1940.

390,244. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE HUMKO CO., Memphis, Tenn. Filed Mar. 29, 1941. Serial No. 442,065.

RICHMIX
Kopaid
PERFECTLY HYDROGENATED

FOR SHORTENING MADE FROM VEGETABLE OILS.
Claims use since Oct. 10, 1938.

390,245. (CLASS 38. PRINTS AND PUBLICATIONS.) ILLINOIS PUBLISHING AND PRINTING COMPANY, Chicago, Ill. Filed Apr. 30, 1941. Serial No. 443,126.

by HELEN GARNER

FOR A COLUMN IN A NEWSPAPER.
Claims use since Jan. 1, 1939.

390,246. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CHARLES SCHWARTZ & CO., Chicago, Ill. Filed May 10, 1941. Serial No. 443,464.

"LAUNDRY FRESH"

FOR DISH TOWELS.
Claims use since May 1, 1940.

390,247. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRY J. PAUL, doing business as J. C. Paul & Co., Chicago, Ill. Filed May 31, 1941. Serial No. 444,093. No. 444,093.

KRYSTYL-KLEER

FOR CHLORINATED BACTERICIDE WITH INCIDENTAL CLEANING QUALITIES.
Claims use since Oct. 25, 1934.

390,248. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SPRAGUE & HENWOOD, INC., Scranton, Pa. Filed June 4, 1941. Serial No. 444,205.

TRUCAST

FOR DIAMOND CORE BITS.
Claims use since Mar. 12, 1940.

390,249. (CLASS 39. CLOTHING.) JOSEPH GUTTMAN & BROS., INC., New York, N. Y. Filed June 12, 1941. Serial No. 444,449.

ORKNEY ISLES

FOR LADIES' AND MISSES' KNITTED DRESSES, BLOUSES, SKIRTS, SWEATERS, SHIRTS, AND SLACKS.
Claims use since Apr. 26, 1939.

390,250. (CLASS 39. CLOTHING.) JOSEPH GUTTMAN & BROS., INC., New York, N. Y. Filed June 12, 1941. Serial No. 444,450.

PAGO PAGO

FOR LADIES' AND MISSES' KNITTED DRESSES, BLOUSES, SKIRTS, SLACKS, AND SWEATERS.
Claims use since Nov. 28, 1938.

390,251. (CLASS 31. FILTERS AND REFRIGERATORS.) THE MARLEY COMPANY, Kansas City, Mo. Filed June 27, 1941. Serial No. 444,908.

COOLING MARLEY EQUIPMENT

FOR LIQUID COOLING TOWERS AND PARTS THEREOF, ESPECIALLY SPRAY NOZZLES FOR LIQUID COOLING TOWERS.
Claims use since 1927 on spray nozzles for liquid cooling towers, and since 1934 on liquid cooling towers per se, and parts thereof other than spray nozzles.

390,252. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE GENERAL TIRE & RUBBER COMPANY, Akron, Ohio. Filed July 8, 1941. Serial No. 445,175.

INDIA

FOR PNEUMATIC TIRES FOR VEHICLES COMPOSED OF RUBBER OR RUBBER AND FABRIC, AND INNER TUBES.
Claims use since May 2, 1917.

TRADE-MARK REGISTRATIONS RENEWED

20,219. **VICI KID.** KID, GOAT, AND SIMILAR LIGHT-WEIGHT LEATHERS. Registered October 13, 1891. ROBERT H. FOERDERER. Re-renewed October 13, 1941, to Robert H. Foerderer, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania, assignee.

139,592. **CAL-EMO.** LEMONADE-SYRUP. Registered February 8, 1921. NORTH ONTARIO PACKING CO. Renewed February 8, 1941, to California Fruit Growers Exchange, Los Angeles, Calif., a corporation of California, successor.

141,252. **KRONOS.** PAINT-PIGMENTS AND PAINTS CONTAINING TITANIUM OR A COMPOUND THEREOF. Registered April 12, 1921. TITAN CO. A/S, Christiania, Norway. Renewed April 12, 1941, to Titan Co. A/S, Fredrikstad, Norway, an "Aktieselskab" of Norway.

143,177. **CATRAMINA.** PILLS OF ESSENCE OF TAR. Registered May 24, 1921. SOCIETÁ PRODOTTI CHIMICO FARMACEUTICI A. BARTELLI & CO., Milan, Italy, a corporation of Italy. Renewed May 24, 1941.

144,713. **CARLTON.** HOSIERY. Registered July 19, 1921. CARLTON TRADING COMPANY, New York, N. Y. Renewed July 19, 1941, to Carity Hosiery Company, Philadelphia, Pa., a partnership, assignee.

144,801. **TROUBLE PROOF.** CERTAIN NAMED ELECTRICAL APPARATUS. Registered July 19, 1921. HUNTINGTON & GUERRY, INCORPORATED, Greenville, S. C., a corporation of South Carolina. Renewed July 19, 1941.

144,843. **GOLD SHIELD.** CHEVIOTS IN THE PIECE. Registered July 19, 1921. MARSHALL FIELD & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed July 19, 1941.

144,844. **SUNSHINE.** AWNING-STRIPES IN THE PIECE. Registered July 19, 1921. MARSHALL FIELD & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed July 19, 1941.

144,847. **PULLAWAY.** SHEETS, PILLOW-CASES, AND SHEETING. Registered July 19, 1921. MARSHALL FIELD & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed July 19, 1941.

144,853. **DOROTHY.** MUSLIN IN THE PIECE. Registered July 19, 1921. MARSHALL FIELD & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed July 19, 1941.

145,065. **TONY.** CALF-LEATHER. Registered July 26, 1921. CREESE & COOK CO., Danvers, Mass., a corporation of Massachusetts. Renewed July 26, 1941.

145,149. **KEFIR.** PREDIGESTED FOOD AND FERMENTED-MILK PREPARATION. Registered July 26, 1921. JACOB MELICOW. Renewed July 26, 1941, to Minnie Fields, New York, N. Y., assignee.

145,233. **UNICA.** VULCANIZED-FIBER TOOTHED WHEELS AND PICKERS FOR LOOMS. Registered July 26, 1921. AKTIEBOLAGET TIDAN, Marlestad and Leksberg, Sweden, a corporation of Sweden. Renewed July 26, 1941.

145,434. **PATTERKRISP.** CHOCOLATES AND CANDY. Registered August 2, 1921. THE PATTERSON CANDY CO. LIMITED. Renewed August 2, 1941, to Patterson Chocolates Limited, Toronto, Ontario, Canada, a corporation of Canada, assignee.

145,577. **REGATTA.** WOVEN COTTON FABRIC UNDERWEAR FOR MALE WEAR—NAMELY, UNION-SUITS, SHIRTS, AND DRAWERS. Registered August 9, 1921. REGATTA MANUFACTURING CO. INC. Renewed August 9, 1941, to The B. V. D. Corporation, Baltimore, Md., a corporation of Delaware, successor.

145,666. **FLEET PHOTO SERVICE.** PHOTOGRAPHIC PRINTS. Registered August 16, 1921. FLEET PHOTO SERVICE, Washington, D. C., a firm. Renewed August 16, 1941.

145,754. **NATIONAL.** SHINGLES AND SLATES MADE OF ASBESTOS AND CEMENT. Registered August 16, 1921. THE NATIONAL ASBESTOS MFG. CO., Jersey City, N. J. Renewed August 16, 1941, to United States Gypsum Company, Chicago, Ill., a corporation of Illinois, assignee.

146,064. **DOTS.** SUGAR FOR USE AS A FOOD. Registered August 30, 1921. THE AMERICAN SUGAR REFINING COMPANY, Jersey City, N. J., and New York, N. Y. Renewed August 30, 1941, to The American Sugar Refining Company, New York, N. Y., a corporation of New Jersey.

146,211. **VELOUR.** OIL-PAINT FOR FLAT WALL-FINISH. Registered September 6, 1921. DEVOE & RAYNOLDS COMPANY, INC., New York, N. Y., a corporation of New York. Renewed September 6, 1941.

146,213. **OAK-KNOLL.** CERTAIN NAMED TOILET, MEDICINAL, AND PHARMACEUTICAL PREPARATIONS. Registered September 6, 1921. CECIL T. DUNCAN, Quincy, Mass. Renewed September 6, 1941, to Cecil T. Duncan, Wollaston, Mass.

146,566. **MIRROLAC.** CERTAIN NAMED PAINTS, ENAMELS, WOOD-STAINS, AND VARNISHES USED ON WOOD, METAL, PLASTER, ETC. Registered September 13, 1921. DEVOE & RAYNOLDS COMPANY, INC., New York, N. Y., a corporation of New York. Renewed September 13, 1941.

146,583. **LIBERTY.** CERTAIN ARTICLES OF CLOTHING. Registered September 13, 1921. LIBERTY & CO. LIMITED, London, England, an incorporated company of Great Britain. Renewed September 13, 1941.

146,852. **REMINGTON MACHINE CO.** ICE-MAKING AND REFRIGERATING MACHINERY. Registered September 20, 1921. REMINGTON MACHINE COMPANY. Renewed September 20, 1941, to Remington, Inc., Wilmington, Del., a corporation of Delaware, assignee.

147,419. **TOLMAN PRINT.** CERTAIN NAMED ADVERTISING NOVELTIES, SUCH AS POST-CARDS, FOLDERS, TAGS, ETC. Registered October 11, 1921. TOLMAN PRINT INC., Brockton, Mass. Renewed October 11, 1941, to University Press, Inc., Cambridge, Mass., a corporation of Massachusetts, assignee.

147,957. **CINTI.** DYESTUFFS. Registered November 8, 1921. CINCINNATI CHEMICAL WORKS, INC., Cincinnati, Ohio, a corporation of Delaware. Renewed November 8, 1941.

147,965. **CLETRAC.** INTERNAL-COMBUSTION ENGINES. Registered November 8, 1921. THE CLEVELAND TRACTOR COMPANY, Euclid, Ohio. Renewed November 8, 1941, to The Cleveland Tractor Company, Cleveland, Ohio, a corporation of Ohio.

148,010. **ENO.** A SALINE APERIENT. Registered November 8, 1921. J. C. ENO, LIMITED, London, England. Renewed November 8, 1941, to J. C. Eno (U. S.) Limited, Bloomfield, N. J., a corporation of New York, assignee by mesne assignments.

148,364. **MAN O' WAR.** CERTAIN ARTICLES OF CLOTHING. Registered November 15, 1921. BRANIGAN, GREEN & CO. Renewed November 15, 1941, to Joseph M. Branigan, doing business as Branigan, Green & Co., Baltimore, Md., successor.

148,435. **AROMA.** MACHINES FOR ROASTING FOOD PRODUCTS. Registered November 15, 1921. THE HOBART MANUFACTURING COMPANY, Troy, Ohio, a corporation of Ohio. Renewed November 15, 1941.

148,709. **FIN-KERRY.** MEN'S COATS, VESTS, PANTS, AND OVERCOATS. Registered November 22, 1921. ROSENBERG BROS. & CO. Renewed November 22, 1941, to Fashion Park, Inc., Rochester, N. Y., a corporation of New York, assignee by mesne assignments.

148,939. **PANCRO-BILIN.** A MEDICINE FOR PHTHISIS; NEURASTHENIA, CONSTIPATION, AND INTESTINAL INDIGESTION. Registered November 29, 1921. REED & CARNRICK, Jersey City, N. J., a corporation of New Jersey. Renewed November 29, 1941.

148,963. **CHROMALOX.** ELECTRICAL HEATING AND RESISTOR ELEMENTS, PARTICULARLY ELECTRIC-SADIRON-HEATING UNITS. Registered November 29, 1921. EDWIN L. WIEGAND. Renewed November 29, 1941, to Edwin L. Wiegand Company, Pittsburgh, Pa., a corporation of Pennsylvania, assignee.

148,991. **PETROL.** TEXTILE BELTING. Registered December 6, 1921. VICTOR BALATA & TEXTILE BELTING Co., New York, N. Y., and Easton, Pa. Renewed December 6, 1941, to Victor Balata & Textile Belting Company, Easton, Pa., a corporation of Pennsylvania.

149,347. **WIZARD SWIVEL.** CASTERS. Registered December 13, 1921. THE BASSICK COMPANY, Bridgeport, Conn., a corporation of Connecticut. Renewed December 13, 1941.

149,348. **UNIVERSAL.** CASTERS. Registered December 13, 1921. THE BASSICK COMPANY, Bridgeport, Conn., a corporation of Connecticut. Renewed December 13, 1941.

149,444. **PUTNAM.** LATHES, PLANERS, SLOTTERS, BORING-MILLS, WHEEL-LATHES, CAR-WHEEL BORERS, AXLE-LATHES, TRAVERSE-SHAPERS. Registered December 13, 1921. MANNING, MAXWELL & MOORE, INC., New York, N. Y. Renewed December 13, 1941, to General Machinery Corporation, Hamilton, Ohio, a corporation of Delaware, assignee by mesne assignments.

149,462. **GLACIER BOND.** LEDGER, WRITING, AND BOND PAPER FOR WRITING AND PRINTING PURPOSES. Registered December 13, 1921. NEENAH PAPER COMPANY, Neenah, Wis., a corporation of Wisconsin. Renewed December 13, 1941.

149,814. **CRAFTCOAT.** INTERIOR-WALL GLAZING AND COLORING. Registered December 27, 1921. ALINALL MFG. CO., Worcester, Mass. Renewed December 27, 1941, to National Gypsum Company, Buffalo, N. Y., a corporation of Delaware, assignee.

149,815. **CRAFTEX.** INTERIOR WARM-WATER OR OIL WALL-FINISH. Registered December 27, 1921. ALINALL MFG. CO., Worcester, Mass. Renewed December 27, 1941, to National Gypsum Company, Buffalo, N. Y., a corporation of Delaware, assignee.

149,821. **REPRESENTATION OF AN EAGLE.** SPOOL-COTTON, SEWING-COTTON, THREAD, AND COTTON YARN. Registered December 27, 1921. THE AMERICAN THREAD COMPANY, Jersey City, N. J. Renewed December 27, 1941, to The American Thread Company, New York, N. Y., a corporation of New Jersey.

149,876. **BONITA.** TEA AND COFFEE. Registered December 27, 1921. CHASE & SANBORN, Boston, Mass. Renewed December 27, 1941, to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

149,925. **RAY-O-VAC.** DRY-CELL BATTERIES. Registered December 27, 1921. FRENCH BATTERY & CARBON Co. Renewed December 27, 1941, to Ray-O-Vac Company, Madison, Wis., a corporation of Wisconsin, by change of name.

149,982. **LACLEDE KING.** FIRE-BRICK AND FIRE-TILE. Registered December 27, 1921. LACLEDE-CHRISTY CLAY PRODUCTS COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed December 27, 1941.

150,107. **ENAMELOID.** PAINTS (READY-MIXED AND PASTE), FINISHES, ENAMELS, JAPANS, VARNISHES, STAINS, AND FILLERS. Registered December 27, 1921. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed December 27, 1941.

150,108. **DECOTINT.** COLD-WATER PAINTS. Registered December 27, 1921. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed December 27, 1941.

150,183. **PAINTFULLY YOURS.** DRY AND READY-MIXED PAINTS. Registered December 27, 1921. WARREN F. WITMAN, Philadelphia, Pa. Renewed December 27, 1941.

150,243. **COUNTERPOISE.** BOOTS AND SHOES MADE OF RUBBER, LEATHER, FABRIC, OR A COMBINATION OF THE SAME. Registered January 3, 1922. JAMES A. BANISTER COMPANY, Newark, N. J. Renewed January 3, 1942, to The Stetson Shoe Company, Incorporated, South Weymouth, Mass., a corporation of Massachusetts, assignee.

150,256. **BLAW-KNOX.** PORTABLE AND PERMANENT STEEL BUILDINGS. Registered January 3, 1922. BLAW-KNOX COMPANY, Pittsburgh, Pa., a corporation of New Jersey. Renewed January 3, 1942.

150,547. **KLERADESK.** FILING RECEPTACLES IN THE NATURE OF DESK FURNITURE. Registered January 3, 1922. ROSS-GOULD COMPANY, St. Louis, Mo. Renewed January 3, 1942, to The Sengbusch Self-Closing Inkstand Company, Milwaukee, Wis., a corporation of Wisconsin, assignee.

150,563. **SHAPIRO, BERNSTEIN & CO., INC.** PRINTED MUSICAL COMPOSITIONS. Registered January 3, 1922, SHAPIRO, BERNSTEIN & CO., INC., New York, N. Y., a corporation of New York. Renewed January 3, 1942.

150,835. **CORTINA MORA y CA.** CIGARS. Registered January 10, 1922. HAVANA CIGAR AND TOBACCO FACTORIES, LTD., New York, N. Y. Renewed January 10, 1942, to The Havana Cigar and Tobacco Factories, Limited, Jersey City, N. J., a British corporation.

150,837. **VICTOR HUGO.** CIGARS. Registered January 10, 1922. HAVANA COMMERCIAL COMPANY, New York, N. Y. Renewed January 10, 1942, to Havana Commercial Company, Jersey City, N. J., a corporation of New Jersey.

150,966. **SHAPIRO, BERNSTEIN & CO., INC.** PRINTED MUSICAL COMPOSITIONS. Registered January 10, 1922. SHAPIRO, BERNSTEIN & CO., INC., New York, N. Y., a corporation of New York. Renewed January 10, 1942.

150,967. **SECURITY.** METAL CANS. Registered January 10, 1922. SHEET METAL SPECIALTY COMPANY, Pittsburgh, Pa. Renewed January 10, 1942, to Sheet Metal Specialty Company, Follansbee, W. Va., a corporation of West Virginia.

REISSUES

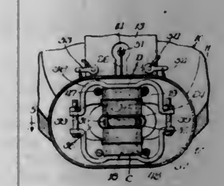
SEPTEMBER 9, 1941

21,898
LOUDSPEAKER

James P. Quam, Chicago, Ill., assignor to Quam-Nichols Company, Chicago, Ill., a corporation of Missouri

Original No. 2,124,338, dated July 19, 1938, Serial No. 14,389, April 3, 1935. Application for reissue March 10, 1941, Serial No. 382,597

23 Claims. (Cl. 179—119)



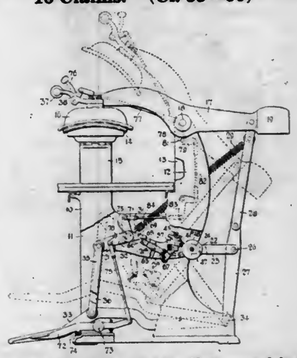
1. A vibratory unit for a magnetic speaker, including a motor assembly having a pair of pole pieces, an armature supported for oscillatory vibration between the pole pieces and having a driving member in connection therewith, means for retaining said pole pieces and armature in fixed relation, and a plurality of permanent magnets including a continuous, flat, apertured magnet on each of two sides of the pole piece armature assembly engaging the pole pieces, and of such a size and shape as to extend considerably beyond the edge of the assembly in opposite directions, and positioned at right angles to the line of movement of said driving member to serve as a mounting frame for the pole piece armature assembly.

21,899
GARMENT PRESSING MACHINE

William Strobridge, Syracuse, N. Y., assignor to United States Hoffman Machinery Corporation, New York, N. Y., a corporation of Delaware

Original No. 2,097,746, dated November 2, 1937, Serial No. 69,698, March 19, 1936. Application for reissue May 4, 1938, Serial No. 206,084

18 Claims. (Cl. 38—36)

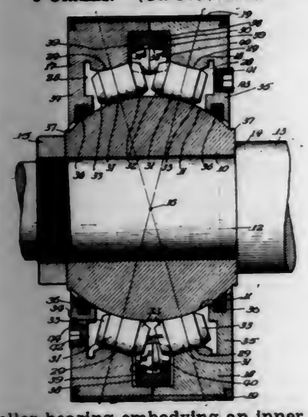


18. In a garment press the combination of cooperating relatively movable pressing members comprising a fixed buck, and a movable head having handle means thereon; toggle mechanism for effecting relative movement of said pressing members; locking means for said mechanism to hold the head in pressure applying position; and means under selective control of the operator by hand or foot to release said locking means, said means comprising a foot pedal at the base of the press, a hand lever on the movable head adjacent said handle means, to permit actuation of the lever by a hand on said handle means, and linkage connecting both the pedal and hand lever to the lock releasing means to operate said releasing means selectively.

PATENTS

GRANTED SEPTEMBER 9, 1941

2,255,035
ROLLER BEARING
John W. Foley, Chicago, Ill.
Application December 9, 1940, Serial No. 369,308
5 Claims. (Cl. 308—206)



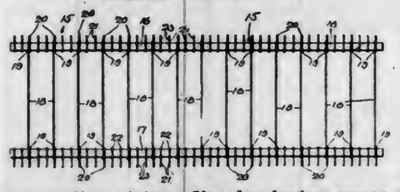
1. A roller bearing embodying an inner and an annular outer bearing member, rollers between said members, the bearing surfaces of said members being convexed in directions lengthwise of the axis of the bearing, the said rollers being tapered and provided with a concave periphery contacting said surfaces, the extremities of the rollers overhanging and out of contact with said surfaces and being tapered in directions towards the extremities of the rollers, an annular floating bearing member encompassing and spaced from the proximate ends of the adjacent rollers, rollers contacting said floating member and the tapered ends of the adjacent first said rollers, the outer bearing member being of sectional construction, and means for securing said sections together.

2,255,036
INCUBATOR TRAY
Charles F. Gedge, Springfield, Ohio, assignor to The Buckeye Incubator Company, Springfield, Ohio, a corporation of Ohio
Application August 15, 1939, Serial No. 290,271
6 Claims. (Cl. 119—43)



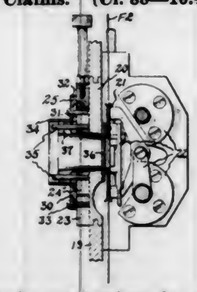
1. A hatching tray having sides and a perforated bottom, said sides extending below said bottom and being provided with an inwardly directed arcuate flange to provide runner means extending continuously along said sides, said runner means being perforated to allow access of air transversely to said bottom and thence to the interior of said tray.

2,255,037
MOTION PICTURE FILM DEVELOPING APPARATUS
Otto G. Giese, Chicago, Ill.
Application August 7, 1939, Serial No. 288,693
4 Claims. (Cl. 242—77)



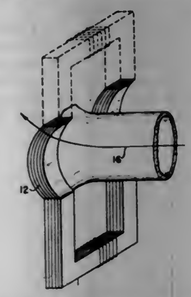
1. A motion picture film developing apparatus comprising a film carrying frame having spaced apart parallel flexible members, a series of strap members between the said flexible members retaining them in spaced relation and with the ends of said strap members projecting outwardly of each of said flexible members and adapted to receive a film therebetween, and a plurality of relatively short strap members on each of said flexible members and positioned between the series of strap members, the last-mentioned strap members being arranged for bodily swinging movements and for longitudinal adjustments on said flexible members whereby to adjust them for various widths of films.

2,255,038
FILM GATE
Samuel B. Grimson, New York, N. Y., assignor to Color Research Corporation, New York, N. Y., a corporation of Delaware
Original application April 21, 1939, Serial No. 269,068. Divided and this application March 14, 1940, Serial No. 323,886
2 Claims. (Cl. 88—16.4)



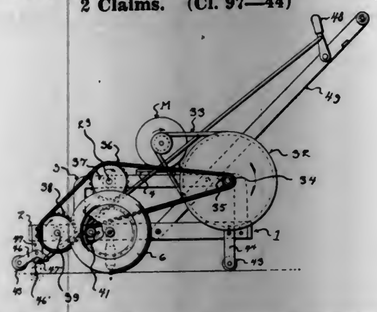
1. A film gate mechanism for use in photographic printing processes employing a film bearing color separation linear densities, including a member having an aperture therein, means positioned adjacent said aperture for intermittently moving such film therepast and for holding it at said aperture during its periods of rest, a filled diffraction grating, a support for said grating for holding it close to said aperture and parallel thereto, means for varying the position of said grating support along an axial line at right angles to the plane of said aperture so that the grating may be spaced in desired parallel planes with respect to the plane of said aperture, means for rotating said grating support about said axial line, and means for moving the grating support in either direction along a line at right angles to said axial line, whereby the grating lines may be accurately positioned with respect to the linear densities on the film when at rest in said aperture.

2,255,039
CATHODE RAY DEFLECTING DEVICE
Johannes Günther, Berlin-Zehlendorf, Germany, assignor to Fernseh Aktiengesellschaft, Berlin-Zehlendorf, Germany
Application November 22, 1939, Serial No. 305,698
In Germany November 23, 1938
1 Claim. (Cl. 250—156)



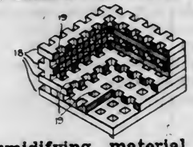
In combination with a cathode-ray tube having a screen, a cathode-ray deflecting device including a flux-producing structure, the portion of said structure nearest the axis of said cathode-ray tube in the direction of the main flux lines being convex in a direction facing the screen end of said cathode-ray tube.

2,255,040
LAWN PERFORATING MACHINE
Hugo Helbig, Racine, Wis.
Application September 14, 1939, Serial No. 294,861
2 Claims. (Cl. 97—44)



1. A lawn perforating machine comprising, a frame, a power unit mounted on said frame, frame-supporting wheels driven by said power unit, a plurality of plungers provided with spikes and mounted on said frame for vertical and horizontal reciprocative movement, and cam means operatively connected with said power unit for imparting simultaneous vertical and horizontal movement to said plungers in timed relation to the travel of said machine for projecting and withdrawing said spikes from a lawn in a fixed vertical plane during movement of said machine.

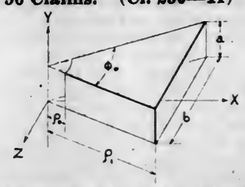
2,255,041
DEHUMIDIFYING MATERIAL
Frederick O. Anderegg, Newark, Ohio
Application August 5, 1937, Serial No. 157,136
12 Claims. (Cl. 252—194)



1. A dehumidifying material comprising a skeleton structural network formed of calcium hydrosilicate and calcium hydroaluminate having pore space in the range of from 65% to 95% of the volume of the network and individual pores of the order of from 1 to 2 microns in diameter freely intercommunicating throughout the network, the surfaces of said pores comprising chlorohydrosilicate and chlorohydroaluminate.

11. The method of producing a dehumidifying material, which comprises mixing finely pulverized calcareous material with finely pulverized siliceous material and with an excess of water, and admixing calcium chloride therewith as $CaCl_2$ in proportion of the order of 35 to 65 parts by weight of $CaCl_2$ per 100 parts of other solids; heating the mixture to form a thick soup exhibiting the property of thixotropism; and indurating the mixture to form a 3-dimensional skeleton network provided with a comprehensive interconnecting pore system; the amount of calcium chloride being sufficient to render the material of said skeleton network hygroscopic to an extent appreciably enhancing its ability for absorbing moisture.

2,255,042
ELECTROMAGNETIC HORN
Wilmer Lanier Barrow, Newton, Mass., assignor to Research Corporation, New York, N. Y., a corporation of New York
Application January 3, 1939, Serial No. 249,005
56 Claims. (Cl. 250—11)



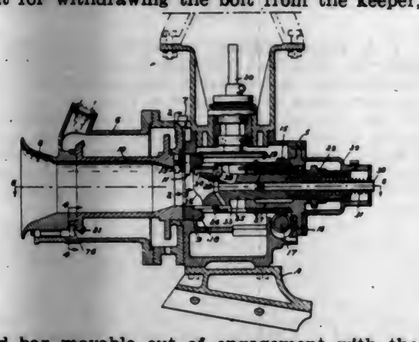
40. An electromagnetic horn adapted for the propagation therein of waves of wave-length λ and having a flare angle ϕ_0 and a length ρ_1 determined substantially by the relation

$$\phi_0 = 128\left(\frac{\rho_1}{\lambda}\right)^{-0.57} \text{ degrees}$$

2,255,043
FUSE SETTING MACHINE
George W. Beatty, Decatur, Ill., assignor to Government of the United States of America, represented by the Secretary of War
Application May 21, 1937, Serial No. 143,941
7 Claims. (Cl. 86—23.1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a fuse setting machine, a support, a pair of coaxial adjusting members rotatably mounted in the support, a disk on one of the ad-

justing members, a keeper on the disk and having a projecting lip, a pair of cams on the periphery of the disk, a plunger in the other adjusting member adapted to be retracted when struck by a round introduced into the machine, a latch for holding the plunger in retracted position, a bolt mounted in the support and having a notch, a spring for moving the bolt into the keeper, a retracting bar pivotally attached to the plunger and engageable with the notch of the bolt for withdrawing the bolt from the keeper,



said bar movable out of engagement with the notch by one of the cams on the first revolution of the disk and further retracting the bolt, a latch bar pivotally mounted in the support and movable into the path of the bolt to be engaged by the bolt after partial forward movement thereof which blocks return of the retracting bar, said latch bar movable out of engagement with the bolt by the other cam, and a lever carried by the bolt and adapted to be actuated by the lip of the keeper to disengage the plunger-holding latch.

2,255,044

LOW-MELTING DECORATIVE GLAZE OF INCREASED RESISTANCE TO CHEMICAL AGENTS

Alden J. Deyrup, Elizabeth, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 13, 1939, Serial No. 250,790

11 Claims. (Cl. 106—49)

1. A low-melting lead glaze maturing below 1200° F. and containing at least 25% by weight of lead oxide, said glaze composition comprising from 0.25 to 3% by weight of a halogen selected from the group which consists of chlorine, bromine, and iodine.

2,255,045

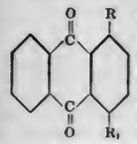
ANTHRAQUINONE COMPOUNDS

Joseph B. Dickey and John R. Byers, Jr., Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

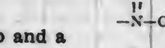
No Drawing. Application March 31, 1939, Serial No. 265,229

6 Claims. (Cl. 260—379)

1. Anthraquinone compounds having the general formula:



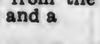
wherein R represents a member selected from the group consisting of a



group and a



group and wherein R_1 represents a member selected from the group consisting of a hydroxy group and a



group, wherein R_2 represents a member selected from the group consisting of a methyl, an ethyl, a propyl, a butyl, a $-C_2H_4OCH_3$ and a $-C_2H_4OC_2H_5$ group.

2,255,046

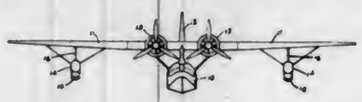
SEAPLANE WING FLOAT

Walter S. Diehl, United States Navy

Application October 16, 1939, Serial No. 299,705

3 Claims. (Cl. 244—106)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a seaplane having a buoyant fuselage and wings extending therefrom, a stabilizing float of streamline configuration mounted beneath each of said wings outboard of said fuselage, and a hydrofoil disposed beneath each of said floats above the normal water level of said fuselage when on even keel, and spaced from said float a distance substantially equal to the chord of the planing surface of said hydrofoil.

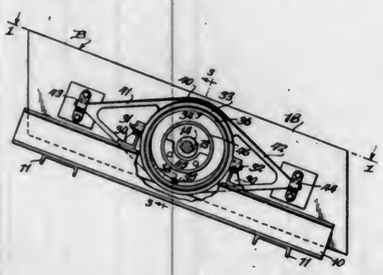
2,255,047

VIBRATORY SCREEN

Edward A. Ebert and Walter H. Popp, Buffalo, N. Y.

Application August 9, 1938, Serial No. 223,821

8 Claims. (Cl. 209—326)



1. A vibratory screen comprising: a base; a screen frame; means for gyrating said frame relatively to said base about a fixed axis; and a pair of universal joints connected together in series, the outer end of said pair of universal joints being connected with the base substantially concentric with aforesaid fixed axis of gyration, and the inner end of said pair of universal joints being connected with the frame.

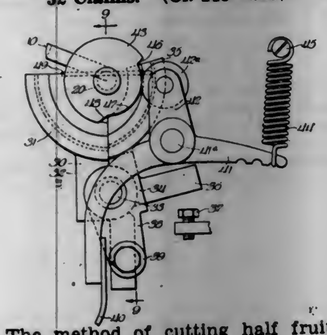
2,255,048

PROCESS FOR CUTTING HALF FRUIT

Mark Ewald, Olympia, Wash., assignor to Special Equipment Company, Portland, Oreg., a corporation of Oregon

Original application February 15, 1934, Serial No. 711,354. Divided and this application October 26, 1934, Serial No. 750,152. Renewed March 27, 1939

32 Claims. (Cl. 146—219)



13. The method of cutting half fruit which includes moving cutting means to form a cut in the flesh of a half fruit, and causing the cutting means laterally to shift the half fruit to position an uncut portion thereof into proper position to be cut by continued cutting movement thereof through the flesh of said half fruit.

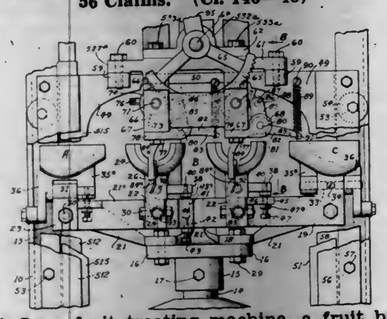
2,255,049

FRUIT TREATING DEVICE

Mark Ewald, Olympia, Wash., assignor to Special Equipment Company, Portland, Oreg., a corporation of Oregon

Original application October 6, 1932, Serial No. 636,447. Divided and this application April 11, 1938, Serial No. 201,413

56 Claims. (Cl. 146—43)



1. In a fruit treating machine, a fruit holding cup comprising walls having relatively wide, shallow grooves upon the fruit contacting face thereof, and a fruit paring blade disposed for sweeping within said cup adjacent said walls, said grooves traversing said walls in a direction substantially parallel to the course of movement of said blade.

2,255,050

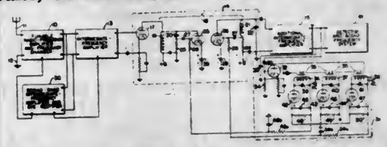
SELECTIVITY CONTROL

John F. Farrington, Flushing, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware

Application June 12, 1936, Serial No. 84,861

25 Claims. (Cl. 250—20)

1. In a modulated-carrier signal receiver including a band-pass selector for selecting a desired signal comprising a carrier and a band of modulation frequencies, said selector comprising a plurality of resonant circuits, each normally tuned to the carrier frequency of said desired signal, a selectivity control system comprising means for adjusting the tuning of one of said circuits, means responsive to the interference



value of an undesired signal on a carrier frequency near the carrier frequency of the desired signal and on one side thereof for developing a control effect, and means for utilizing said control effect to control said adjusting means to adjust the width of the portion of said band the pass band of said selector on the side of the carrier frequency of said desired signal corresponding to said undesired signal.

2,255,051

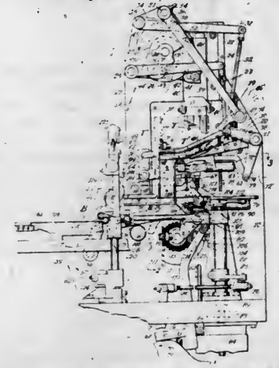
MACHINE FOR FORMING CIGAR BUNCHES

Lester Ferenci, Brooklyn, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey

Application January 2, 1937, Serial No. 118,810

Renewed May 1, 1940

17 Claims. (Cl. 131—21)



1. The combination with means for feeding a stream of long filler tobacco, of a vertical chamber, mechanism for separating bunch lengths from said stream and delivering them to said chamber to form a vertical column of tobacco, a member for compacting said column, said member being provided with a part arranged to enter said chamber to receive a bunch length from said mechanism, descend in said chamber with the bunch length deposited thereon and to compact the column of tobacco therebelow and then withdraw from said chamber while delivering the lowered bunch length on top of said column, and mechanism for actuating said member.

2,255,052

PASTRY PADDLE

Oscar Green, San Mateo, Calif.

Application July 6, 1940, Serial No. 344,293

4 Claims. (Cl. 30—140)

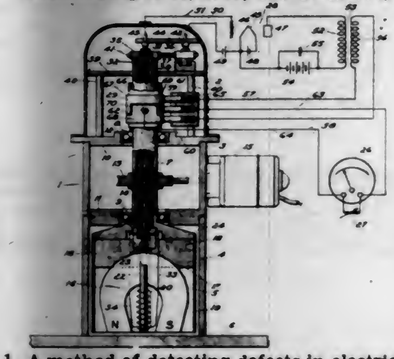
2. A pastry paddle having a bowl-shaped por-

tion, and a heating member lining the concave



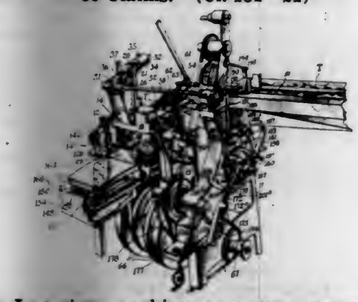
portion of the bowl and cooperating therewith to provide a heated bowl for the paddle.

2,255,053
APPARATUS AND METHOD FOR DETECTING DEFECTS IN METALLIC OBJECTS
Ross Gunn, Washington, D. C.
Application December 17, 1940, Serial No. 370,520
20 Claims. (Cl. 175—183)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



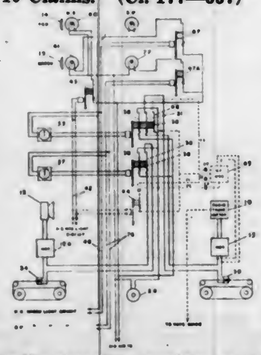
1. A method of detecting defects in electrically conductive objects which comprises the steps of inducing a rotating pattern of eddy currents of predetermined distribution in a substantially homogeneous portion of the object under test, causing departures from the aforesaid distribution by interposing a defect in the path of rotation of the eddy current pattern, and noting the character of the electromagnetic fields generated by the eddy currents in their departures, whereby to ascertain the presence of a defect in said object.

2,255,054
CIGAR MACHINE
John F. Halstead, Brooklyn, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey
Application December 22, 1936, Serial No. 117,180
59 Claims. (Cl. 131—21)



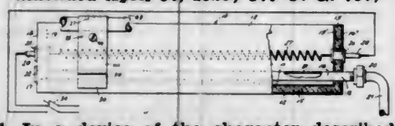
1. In a cigar machine, a conveyor, a cross feed mechanism for feeding a tobacco stream onto a conveyor, a cutter for cutting predetermined lengths from said tobacco stream as it issues from said mechanism onto said conveyor, means for lowering said conveyor, a vertical tobacco magazine having vertical sides and an open top, a gate for closing said top, means for locating a length of tobacco on said gate over said magazine while said top is closed, means for raising tobacco in said magazine against said gate, means for withdrawing said gate and thereby allowing said length to enter and assemble with tobacco already in said magazine.

2,255,055
TRAFFIC SIGNALING SYSTEM
William S. Halstead, Huntington, N. Y., assignor of one-third to John B. Brady, Washington, D. C.
Application March 8, 1939, Serial No. 260,644
10 Claims. (Cl. 177—337)



1. In a traffic signaling system, a transmitter for emitting a carrier frequency effective substantially within a predetermined zone along a traffic lane to effect automatic communication with vehicular traffic moving in said zone in said traffic lane, a sound storage device having a recorded message thereon for effecting continuous automatic repetition of a given communication addressed to traffic in said predetermined zone, means for modulating said carrier frequency by said sound record storage device, the time for the transmission of said complete recorded message being not greater than the normal time required for a vehicle to negotiate said predetermined zone.

2,255,056
DEVICE FOR REMOVING STATIC ELECTRICITY FROM PAPER WHILE BEING PRINTED
Ottwin Hofer, Lennox City, S. Dak.
Application May 20, 1940, Serial No. 336,232
5 Claims. (Cl. 219—39)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



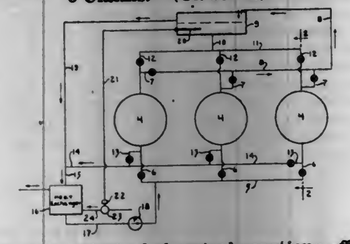
1. In a device of the character described, a heater comprising a housing having opposed end walls and open at one side, a blower tube supported by said end walls within said housing in spaced relation to the bottom thereof, a heating element within said housing arranged in parallel

spaced relation to said blower tube, and spaced means in said blower tube permitting a discharge of air directed across said heating element outwardly through the open side of said housing.

2,255,057
ELECTROPLATING COPPER
Donald A. Holt, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 2, 1939, Serial No. 297,433
4 Claims. (Cl. 204—52)

1. A copper plating process which comprises electrolyzing a copper alkali metal cyanide solution to which has been added from 0.01 to not more than 1 ounce per gallon of a betaine having at least one non-cyclic hydrocarbon radical which contains 10 to 20 carbon atoms.

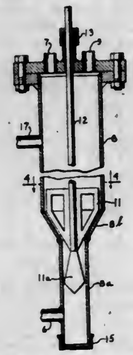
2,255,058
HEAT EXCHANGE IN CATALYTIC REACTIONS
Eugene J. Houdry, Haverford, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
Application December 7, 1937, Serial No. 178,514
5 Claims. (Cl. 23—1)



1. In the control of chemical reactions effected in the presence of a body of contact material having concentric reverse flow channels therein for a heat exchange medium and wherein the contact material is used to carry out alternating reactions which have different heats of reaction, the process of controlling the temperature of the contact material which comprises sending the heat exchange medium first into the inner of the concentric channels for controlling the temperature of the contact material when subjected to the greater heat of reaction and first into the outer of the concentric channels for controlling the temperature of the contact material when subjected to the lesser heat of reaction.

4. In the control of chemical reactions effected simultaneously in a plurality of chambers containing contact material and involving an endothermic catalytic reaction in certain of said chambers while catalyst simultaneously is undergoing exothermic regeneration in certain of said chambers and wherein it is necessary to extract a greater amount of heat from a chamber undergoing regeneration than it is necessary to add to a chamber undergoing endothermic reaction, the process of controlling the temperature of the chambers which comprises connecting the reaction chambers with a circulating system comprising a return side including pumping means and a gravity side including a reservoir for receiving liquid from the pumping side, circulating the liquid in heat exchange relation with the contact material in the chambers by pumping a volume of the liquid from the return side at the desired rate in indirect heat exchange relation with the contact material which is undergoing regeneration to the reservoir in the gravity side, sending a lesser volume of the liquid from the reservoir in the gravity side at a lower rate in indirect heat exchange relation with the contact material which is subjected to the endothermic reaction to the return side of the system, returning directly from the reservoir to the return side excess liquid for supplying that side of the system, and adjusting the temperature of the heat exchange liquid before again pumping it from the return side of the system.

2,255,059
APPARATUS FOR TREATMENT OF HYDROCARBON RESIDUES
Eugene J. Houdry, Ardmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
Original application November 27, 1935, Serial No. 51,770. Divided and this application January 23, 1939, Serial No. 252,288
5 Claims. (Cl. 196—122)

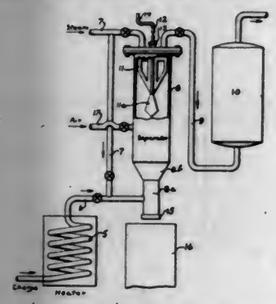


1. Apparatus adapted for use in separating entrained solids and vapors from a mixture thereof comprising a casing having side walls providing an enlarged upper separating chamber for the mixture with a communicating reduced lower chamber for assisting the separation in the upper chamber, outlet means in the upper chamber for the separated vapors, outlet means in the lower chamber for the separated solids, scraping means for loosening the solids, said means during the separating operation being normally retracted upwardly in the separating chamber and comprising a reduced lower end and enlarged upper end, said lower end being adapted to drill through any deposit in the casing and scrape deposit from the walls of the lower chamber and said upper end being adapted to scrape deposit from the walls of the upper chamber, a shaft having one end in the casing secured to said scraping means and one end outwardly thereof and adapted for rotating and lowering the scraping means.

2,255,060
TREATMENT OF HYDROCARBON AND OTHER RESIDUES
Eugene J. Houdry, Ardmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
Application August 2, 1939, Serial No. 287,972
10 Claims. (Cl. 196—58)

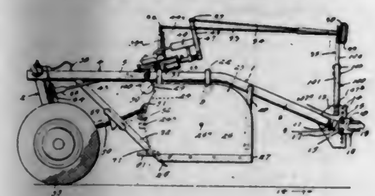
1. In the production of clean distillate stock from liquid or liquefiable heavy hydrocarbons, the steps of heating the hydrocarbon charge to

a temperature of at least 800° F. to provide a mixture of vaporized and unvaporized material, feeding the mixture of vaporized and unvaporized material to an enlarged coking zone, utilizing a vaporizing medium to minimize formation of material in the gasoline boiling range and to supply heat to the coking zone, agitating the liquid material in the zone by feeding at least a portion of the fluids entering the zone to the lowest



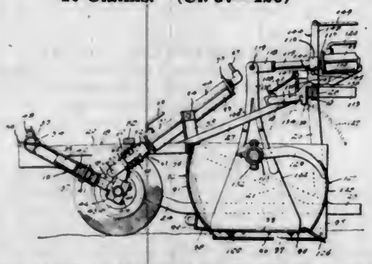
part thereof, maintaining all parts of said zone above 800° F. in order to effect rapid decomposition of the liquid material into vaporized material and coke, and controlling the rate of feed to the coking zone so that vaporized material remains in the zone less than 50 seconds in order to hold production of material in the gasoline boiling range to not in excess of 5 percent by weight of the hydrocarbon charge.

2,255,061
EARTH SURFACING MACHINE
Fritz Johnson, Burley, Idaho
Application June 3, 1940, Serial No. 338,651
9 Claims. (Cl. 37—169)



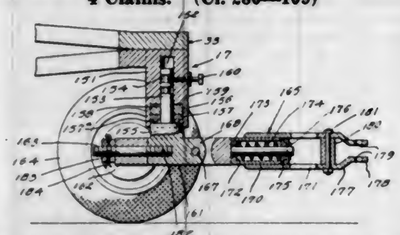
1. In an earth surfacing machine, a horizontally disposed frame-like front assembly, an upstanding angularly adjustable mobile frame-like rear assembly pivotally connected at its upper end to and depending from the rear end of the front assembly, an upstanding strip secured to the front of the rear assembly centrally of the latter and formed with a lengthwise row of spaced openings, a control structure for said rear assembly adapted to be connected at selected points of the latter, said control structure arranged over said front assembly intermediate the ends of the latter and including a rearwardly directed reciprocatory piston rod having its rear end formed with a yoke straddling said strip, the arms of said yoke having aligned openings for registering with a selected opening of said row, means extending through said registering openings for detachably connecting said rod to said strip, a rearwardly tilted cradle pivotally supported from said front assembly intermediate the ends of the latter, and means for connecting said control structure to said cradle.

2,255,062
EARTH SURFACING MACHINE
Fritz Johnson, Burley, Idaho
Application July 8, 1940, Serial No. 344,428
10 Claims. (Cl. 37—126)



3. An earth surfacing and distributing device comprising a frame, means at one end of said frame supporting said frame in a manner whereby said frame may be raised or lowered, and a combined excavating and material distributing bucket carried by said frame, said bucket including fixed rear and side walls, a combined bottom wall and digging blade, means swingably supporting said bottom wall between said side walls, means for swinging said bottom wall from a lower digging position to an upper dumping position, a front wall for said bucket, means swingably supporting said front wall, said front wall being engageable at its lower rear edge with the forward portion of said bottom wall whereby upward swinging of said bottom wall will swing said front wall upwardly, and a spring-pressed latching means carried by said frame engageable with said front wall for releasably latching said front wall in an upper inactive position.

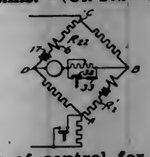
2,255,063
STEERING STRUCTURE
Fritz Johnson, Burley, Idaho
Original application July 8, 1940, Serial No. 344,428. Divided and this application January 15, 1941, Serial No. 374,567
4 Claims. (Cl. 280—109)



1. In an earth working implement having a mobile frame; the combination of a vertically disposed element fixed at its upper end to the forward end of said frame formed with a vertical bore closed at its top, said bore opening through the lower end of said element and having its lower portion of greater diameter and of less length than its upper portion, a spindle rotatable in said bore and having an enlarged circular head at its lower end arranged in and depending from the said lower portion, anti-friction bearing means for the spindle correlated with said head and confined in the said lower portion, a support fixed to the bottom of and extended forwardly from said head, a pivotally supported axle body disposed in transverse relation with respect to and connected with the rear end of said support,

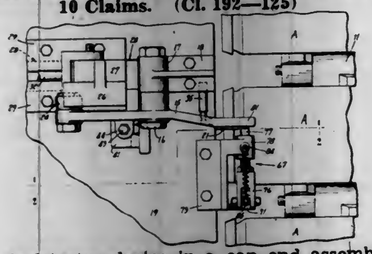
means mounted in said element and loosely engaging in said spindle to arrest downward movement of the latter, an annular shim about said spindle and seated on said bearing means, and a hitch device pivotally connected to said support forwardly of said head.

2,255,064
VARIABLE VOLTAGE MOTOR CONTROL
George E. King, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 29, 1939, Serial No. 306,667
20 Claims. (Cl. 172—239)



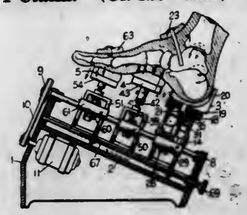
1. In a system of control for controlling the excitation of a generator, in combination, a main generator having an armature winding and having a pair of field windings connected in two opposite legs of a balanced Wheatstone bridge, a load connected in series with the generator-armature, a regulator-generator and adjustable resistor connected in series with the armature of the regulator-generator connected across two of the junctions of the Wheatstone bridge, a shunt circuit for the adjustable resistor, switching means responsive to the voltage of the main generator adapted to control the connection of the shunt circuit, said regulator-generator having a pair of field windings energizable respectively by the voltage of the main generator and by the load current and having a pair of field windings one connected in one leg of the bridge in series with one of the main generator field windings and the other connected in the opposite leg of the bridge in series with the other main generator field winding and a pair of bridge balancing resistors connected in the other two opposite legs of the bridge, and a source of variable direct current voltage connected across the other two junctions of the bridge.

2,255,065
DETECTOR DEVICE
Paul Koehler, Union, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application August 22, 1940, Serial No. 353,766
10 Claims. (Cl. 192—125)



1. A detector device in a can end assembling machine for detecting fibre cans which fail to receive a can end member, the combination of means for exerting a pressure on a side of a fibre can body adjacent the end thereof so that the body side wall is pressed inwardly when there is no end member in place in the body, and devices operable upon the yielding of the body side wall for stopping operation of the machine so that the detected can may be ejected.

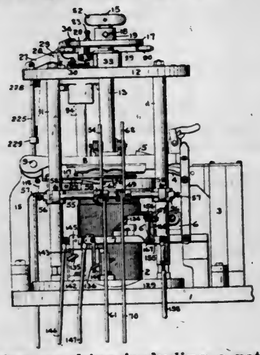
2,255,066
FOOT MANIPULATING DEVICE
Edgar Quinn Lamb, Columbus, Ohio
Application October 20, 1939, Serial No. 300,416
1 Claim. (Cl. 128—25.2)



A foot manipulating device comprising a base member, a unit for engaging the forward portion of the foot, said unit being supported on a vertically disposed pin, means for moving said pin vertically, said means comprising a lever pivoted intermediate its ends and having one end connected to said pin, the other end of said lever having a portion engaging a cam, said cam being supported on a shaft rotatably mounted on said base, a unit for engaging the arch of the foot, said unit being supported on a vertically disposed pin, means for moving said pin vertically, said means comprising a lever pivoted intermediate its ends and having one end connected to said pin, the other end of said lever having a portion engaging a cam carried by said shaft, a unit for engaging the heel of the foot, said unit including a heel supporting member mounted for lateral movement, means for producing said movement, said means comprising a lever operatively connected to said member, said lever being pivoted intermediate its ends and having a portion engaging a cam carried by said shaft.

2,255,067
WITHDRAWN

2,255,068
KNITTING MACHINE AND METHOD OF KNITTING
Robert H. Lawson, Pawtucket, and Arthur N. Cloutier, Lonsdale, R. I., assignors to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application June 23, 1936, Serial No. 86,814
22 Claims. (Cl. 66—24)



1. A knitting machine including a rotary nee-

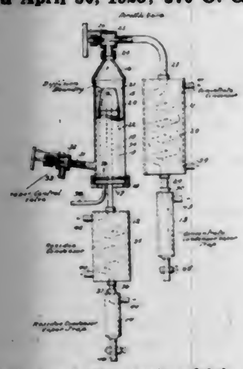
die cylinder and a rotary needle dial, the cylinder having twice as many needles as the dial, means for acting upon the needles to knit rib fabric and plain fabric the one a continuation of the other, means for imparting cooperating movements to the dial needles and the cylinder needles to effect a transfer of stitches from the dial needles to some of the cylinder needles, said means including a shogging mechanism for causing relative movement between the dial needles and cylinder needles to move loops to a position to be transferred directly from dial needles to cylinder needles.

2,255,069

METHOD AND APPARATUS FOR SEPARATING AND CONCENTRATING GASES

Charles G. Maier, Oakland, Calif., assignor to the United States of America, as represented by the Secretary of Interior

Application March 11, 1938, Serial No. 195,422
9 Claims. (Cl. 183—115)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. The method of atmolysis which consists in producing two continuously flowing streams, one being a gaseous sweep stream, the other a gaseous mixture, directing the respective streams over the opposite surfaces of a permeable physical boundary, causing the molecules of the sweep stream to fill the permeations of the physical boundary, regulating the velocities of the respective streams to balance the static pressure heads prevailing at the extremities of said permeations, whereby to provide a continuously renewable vapor septum, diffusing one of the components of the gaseous mixture through the septum and utilizing the sweep stream to converge the diffused gas as it emerges from the septum to a condensing system.

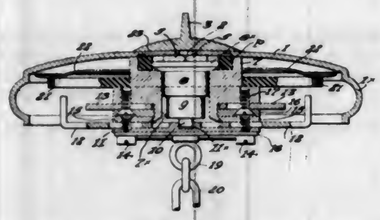
2,255,070

LOCK CAP FOR TANKS AND THE LIKE

Assad M. Malluk, New York, N. Y.

Application January 4, 1940, Serial No. 312,344
2 Claims. (Cl. 70—172)

1. A closure cap for a receptacle or the like having an opening therein surrounded by an inwardly extending flange provided with spaced interruptions adjacent each inner edge comprising a skirted body member having a key-receiving aperture at its top, a block depending from the cap and surrounding the key aperture, the block being formed with an aperture extending throughout its length, locking mechanism in the aperture of the block and including a key-operated actuating lug, a ring surrounding the block, screws securing the ring to the block, a pair of latching lugs disposed intermediate the block and said ring and having elongated apertures receiving said screws, a rotary plate disposed below the block and engaged by said actuating lug whereby movement of the latter rotates the plate, a



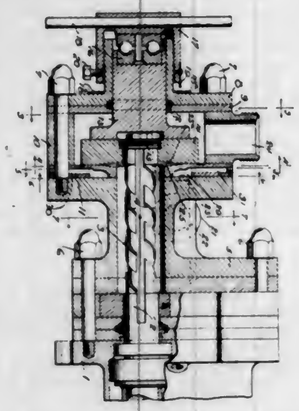
second set of latching lugs carried by said plate and having elongated apertures, and screws entering the plate and extended through the elongated apertures of said second set of latching lugs the two sets of lugs being adapted for mutual registration and to be passed through said interruptions.

2,255,071

DISK MILL

John Marco, Philadelphia, Pa., assignor to Marco Company, Inc., Philadelphia, Pa., a corporation of Pennsylvania

Application May 4, 1939, Serial No. 271,786
3 Claims. (Cl. 83—8)



1. In a grinder, a body having a chamber therein provided with an inlet and an outlet, a rotary shaft extending into said chamber, a rotor in said chamber carried by said shaft with one side face confronting a face of the stator, the confronting faces of the stator and the rotor being each formed with a row of radially extending grooves V-shaped in cross section and tapered to points at their outer ends, other radially extending grooves between outer portions of the V-shaped grooves and having longitudinally curved inner walls, a concentric row of grooves extending diagonally from outer ends of said grooves and having transversely curved inner walls, and an outer concentric row of grooves extending diagonally in a direction opposite that of the said diagonal grooves and being rectangular in cross section.

2,255,072

STEROL DERIVATIVES AND PROCESS OF FORMING SAME

Russell Earl Marker, State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan

No Drawing. Application April 13, 1936, Serial No. 74,223
6 Claims. (Cl. 260—397.2)

1. Method for producing an epi-cholesterol type of compound from a cholesteryl halide which comprises converting said halide to cholesteryl magnesium halide, reacting the latter with oxygen to produce a relatively unstable complex with the cholesteryl magnesium halide, decomposing said complex to obtain a mixture wherein one constituent of the mixture is an epi-cholesterol type compound, and separating the mixture into its isomers and separately obtaining said isomers.

2,255,073

STERYL MAGNESIUM HALIDE AND PROCESS FOR PRODUCING THE SAME

Russell Earl Marker, State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan

No Drawing. Application March 4, 1938, Serial No. 194,013
9 Claims. (Cl. 260—397.2)

1. A steryl magnesium halide.

2,255,074

STEROL DERIVATIVES AND PROCESS OF FORMING SAME

Russell Earl Marker, State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan

No Drawing. Original application April 13, 1936, Serial No. 74,223. Divided and this application July 10, 1939, Serial No. 283,687
14 Claims. (Cl. 260—397.1)

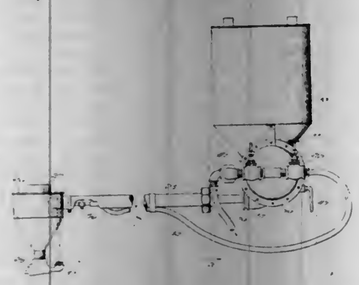
1. Process for the preparation of 3-carboxy-Δ^5-cholestene from a cholesteryl halide which comprises reacting the halide with magnesium to obtain a cholesteryl magnesium halide, combining the latter with carbon dioxide to produce a complex with the cholesteryl magnesium halide and decomposing said complex with water to obtain 3-carboxy-Δ^5-cholestene.

2,255,075

PNEUMATIC GRANULE SUPPLYING APPARATUS

Orville V. McGrew, Chicago, Ill.

Application August 21, 1939, Serial No. 291,238
1 Claim. (Cl. 91—44)



A granule applying apparatus comprising a hopper, a flexible hose connecting the hopper and a centrifugal cyclone device, a nozzle, pneumatic means for forcing granules from the hopper into the hose, and independent pneumatic means supplying air to the nozzle, said cyclone device comprising a chamber having a large opening at one end and a relatively small opening communicating with the nozzle at the other end and shaped to produce rapid centrifugal motion of the pneumatic stream carrying the granules therein.

2,255,076

METHOD OF COATING METALS

Charles A. Medsker and Menahem Merlub-Sobel, Cleveland Heights, Ohio, assignors to William L. Ulmer, Cleveland, Ohio

No Drawing. Application March 25, 1939, Serial No. 264,178
2 Claims. (Cl. 148—4)

2. A method of making a composite metal slab which consists in directing a combustible gas containing a vaporized flux onto the upper surface of the slab and then applying a second metal, in solid, finely divided form onto said slab.

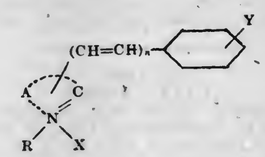
2,255,077

FILTER DYES FOR COLOR PHOTOGRAPHY

Edmund B. Middleton, Metuchen, N. J., assignor to Du Pont Film Manufacturing Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application March 21, 1938, Serial No. 197,310
13 Claims. (Cl. 260—240)

1. The new chemical compounds of the general formula:



wherein R is an aliphatic straight chain hydrocarbon radical having from 12 to 20 carbon atoms, X is a negative radical of an acid, A represents the atoms necessary to complete a mononuclear heterocyclic nitrogen radical of the type used in the production of cyanine dyes taken from the class consisting of pyridines, thiazolines, oxazolines and selenazolines which are attached to the methenyl radical in a position taken from the group consisting of α and γ positions to the nitrogen atom, Y is a substituent taken from the group consisting of hydroxyl, alkyl, alkoxy, methylenedioxyl, alkylamino, N-dialkylamino, halogen, nitro and sulfonic acid radicals, and n is a positive integer less than 3.

2,255,078

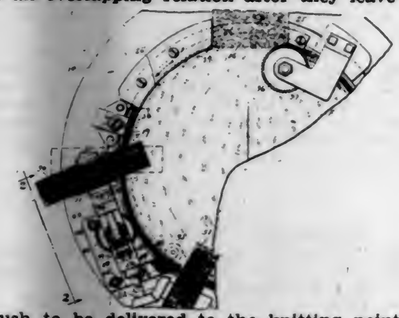
METHOD AND APPARATUS FOR MAKING KNITTED FABRICS

David Pelton Moore, Avon Park, Fla., assignor to Arthur B. Carton, Brooklyn, N. Y.

Application April 10, 1939, Serial No. 267,107
31 Claims. (Cl. 66—9)

1. A fabric knitting machine, including in combination a rotating cylinder knitting machine, a fiber feeding device having a brush to wipe the fibers into the needles as needles pass through the brush, and means to lay the fibers

in an overlapping relation after they leave the

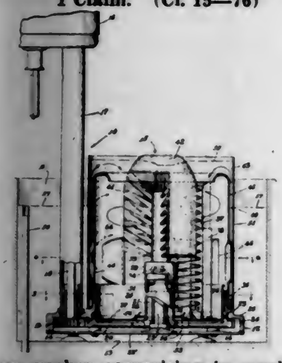


brush to be delivered to the knitting point of the knitting machine.

2,255,079
METHOD OF CULTURING SPIROCHAETA PALLIDA
Orry Charles Morrison, Carroll, Iowa
No Drawing. Application February 2, 1939, Serial No. 254,293
2 Claims. (Cl. 167—78)

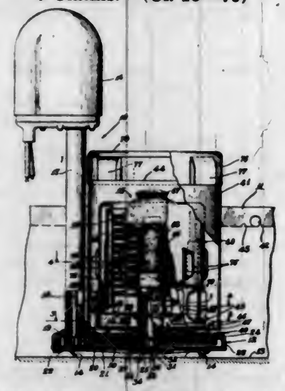
1. The method of developing virulent *Spirochaeta pallida* which comprises inoculating a medium for culture of virulent *Spirochaeta pallida* comprising testicular material which has been prepared by subdividing the testicle, grinding in the presence of normal salt solution, filtering to remove suspended matter, and adjusting the filtrate with normal salt solution to substantially the normal pH and specific gravity of the blood serum and then incubating the inoculated culture to develop the virulent *Spirochaeta pallida*.

2,255,080
GLASS WASHER
Emanuel Nielsen, Racine, Wis., assignor to Vincent W. Cunningham, Chicago, Ill.
Application January 24, 1939, Serial No. 252,637
1 Claim. (Cl. 15—76)



A glass washer comprising in combination, a base, a brushing means rotatable about a substantially vertical axis, an open top cylindrical housing surrounding said brushing means and having openings in its sides spaced from the top thereof whereby water entering said open top may be discharged by the rotating brushes through said openings, a casing surrounding said housing in spaced relation thereto and extending to a point above the open top of said housing, pumping means located adjacent to the lower end of the brushing structure and having a pump inlet communicating through the base to the exterior of the washer and a pump outlet, said outlet discharging within said casing, whereby water enters said casing by gravity to the level of the water in the tank in which the washer is mounted, said casing being mounted on said base and being imperforate from said base to a level above the top of said housing so that the sole path of water flow between such a tank and the lower interior portion of said casing is through said pumping means, said pump being operable as an incident to the rotation of said brush structure to discharge water into said casing, whereby, when the washer is mounted in a tank having a normal water level too low to submerge said housing, said pump induces an elevated water level within said housing, the rotation of said brushing means being operable upon the water elevated by said pump within said casing to circulate the same repeatedly through said brushing means while said pump acts merely to replace the loss of water due to leakage or overflow from said casing.

2,255,081
GLASS WASHER
Emanuel Nielsen and Edward R. Mross, Racine, Wis., and Vincent W. Cunningham, Chicago, Ill.; said Nielsen and said Mross assignors to said Cunningham
Application January 24, 1939, Serial No. 252,638
7 Claims. (Cl. 15—76)



1. A glass washer comprising, in combination, a base, a rotatable driving member upstanding from said base, an open top casing having a bottom wall with a relatively large opening therein, said casing being supported on said base with said bottom wall in spaced relation to said base and with said driving member projecting upwardly through said opening in spaced relation to the peripheral edge of said opening whereby to define an annular inlet, a glass catching pan within said casing mounted on said driving member for rotation therewith and positioned above the bottom wall of said casing, a plurality of upstanding side brushes carried by said glass catching pan so as to project upwardly therefrom a center brush carried by said driving member, pump blades carried on the lower face of said glass catching pan, a circulation-directing housing surrounding said brushes spaced inwardly from and of a less height than said casing, said housing extending downwardly about said glass catching pan substantially into abutment with said bottom wall whereby to define a

pump chamber about said pump blades, said housing having pump outlets therein adjacent to the bottom of said glass catching pan, said pump outlets discharging into said casing, and said housing also having openings slightly above said glass catching pan for discharge of fluid circulated through said housing, said pump blades being operable by said driving member to discharge water into said casing, whereby, when the washer is mounted in a tank having a normal water level too low to submerge said housing, said pump blades induce an elevated water level within said casing.

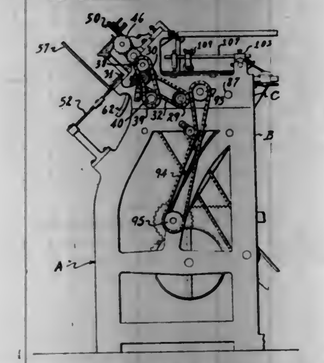
2,255,082
CAPILLARY ACTIVE COMPOUNDS AND PROCESS OF PREPARING THEM
Ludwig Orthner, Carl Platz, and Hans Keller, Frankfort-on-the-Main, and Heinz Sönke, Bad Soden in Taunus, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application January 14, 1939, Serial No. 250,924. In Germany January 17, 1938
11 Claims. (Cl. 260—458)

1. The process of preparing capillary active compounds, which comprises reacting amines of the general formula:

$$R-\underset{\displaystyle NH_2}{\underset{|}{CH}}-R_1$$

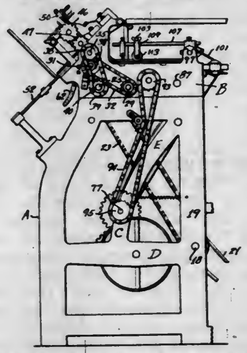
wherein R and R_1 stand for aliphatic hydrocarbon radicals each containing at least 3 carbon atoms and R and R_1 together containing at least 11 carbon atoms with an organic acid capable of being sulfonated, selected from the group consisting of aliphatic hydroxy acids, aliphatic unsaturated acids and aromatic acids, and subsequently sulfonating the condensation product.

2,255,083
SHEET-SPACING MACHINE
Charles F. Pflanze, University City, Mo.
Application July 27, 1939, Serial No. 286,737
15 Claims. (Cl. 271—1)



1. In combination, means for supporting a stack of blanks, roller segment mechanism comprising a roller segment and a roller opposed thereto for intermittently engaging and advancing blanks step by step from said stack, sucker mechanism for introducing the blanks from said stack between said roller and roller segment, said roller segment having a circumferential extent smaller than the shortest sheet of said stack so that said sheets are advanced by said roller segment mechanism in overlapping relation, subsequently acting mechanism for engaging and advancing each blank only after it has been advanced through a plurality of steps by the roller segment, and means for engaging said blanks after they are disengaged from the stack and before they reach the subsequently acting mechanism to hold stationary between the roller and roller segment, during the periods when the roller segment is not in position to co-act with the roller, sheets which would otherwise be uncontrolled in such periods.

2,255,084
SHEET-SPACING MACHINE
Charles F. Pflanze, University City, Mo.
Application July 6, 1940, Serial No. 344,191
6 Claims. (Cl. 271—1)

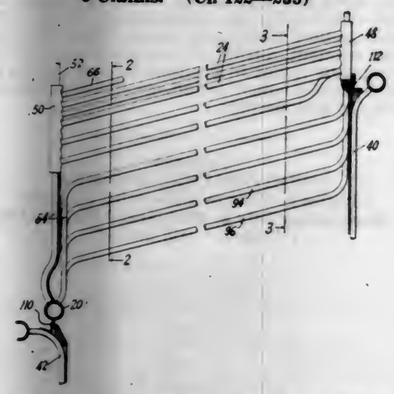


1. In combination, means for supporting a stack of blanks, roller segment mechanism comprising a roller segment and a roller opposed thereto for intermittently gripping blanks and advancing them from said stack, picker mechanism for successively introducing the blanks from the stack between the roller and the roller segment, said roller segment having a circumferential extent smaller than the shortest blank of said stack so that said blanks are advanced by said roller segment mechanism step by step and in overlapping relation, and suction means for gripping the exposed trailing margins of a plurality of blanks which have been advanced one or more steps by the roller segment mechanism but which still require to be advanced one or more steps by such mechanism in order to be moved clear thereof, to hold every one of such blanks against shifting during the periods when the roller segment runs out of co-acting relation with the roller.

2,255,085
LUBRICATING COMPOSITION
Carl F. Prutton, Cleveland, and Albert K. Smith, Shaker Heights, Ohio, assignors to The Lubri-Zol Development Corporation, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application November 21, 1938, Serial No. 241,606
4 Claims. (Cl. 252—57)

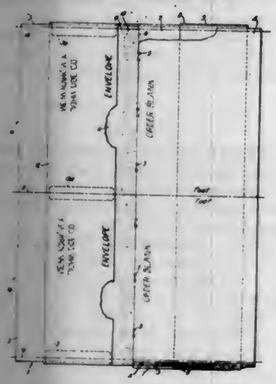
1. A lubricating composition comprising a major proportion of mineral lubricating oil and a minor proportion of a halogen and oxygen-bearing compound of the class consisting of halogen-bearing aromatic acids, halogen-bearing esters of aromatic acids and halogen-bearing salts of aromatic acids.

2,255,086
FLUID HEAT EXCHANGE APPARATUS
Charles U. Savoye, Hackensack, N. J., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application September 14, 1938, Serial No. 229,801
5 Claims. (Cl. 122—235)



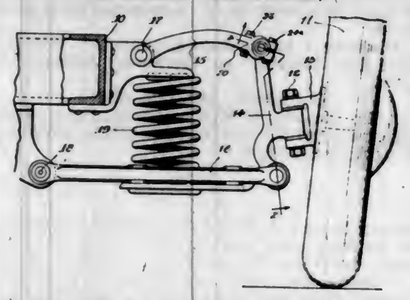
1. In a water tube steam boiler, a furnace fired with a slag forming fuel, a bank of spaced fluid heating tubes extending across the flow of hot gases from the furnace, an uptake communicating with the discharge ends of the tubes, a downtake communicating with the inlet ends of the tubes, a cross header below said tubes, means connecting the downtake with the header, and slag screen tubes connected to the header in a row longitudinally of the Header, said screen tubes having steam generating portions extending in parallelism across the flow of gases at a position forwardly of said bank of tubes and arranged in rows in planes transversely related to the horizontal axis of the header, the ends of the slag screen tubes remote from the header being bent upwardly toward the uptake.

2,255,087
ENVELOPE UNIT AND PUBLICATION CONTAINING THE SAME
Victor J. Sawdon, Bronxville, N. Y., and Arthur E. Brigham, Worcester, Mass.
Application April 19, 1938, Serial No. 202,822
9 Claims. (Cl. 281—3)



1. A publication including the combination with the leaves thereof, of an envelope unit, means binding the leaves in assembled relation and also binding the envelope unit in assembled relation with the leaves, said envelope unit being co-terminous at both ends with the leaves of the publication, and comprising body and bottom flap portions having corresponding end marginal zones adhesively united to one another in directly juxtaposed relation, said marginal zones being of sufficient width to admit of substantial edge trimming without impairing the secure sealing of the ends.

2,255,088
BEARING FOR INDEPENDENT WHEEL SUSPENSION FOR MOTOR VEHICLES
Bruno Schroeter, Detroit, Mich., assignor to O. & S. Bearing Company, Detroit, Mich., a corporation of Michigan
Application October 6, 1939, Serial No. 298,214
15 Claims. (Cl. 267—20)



1. In a suspension for a dirigible wheel of a vehicle having a frame structure, wheel suspension means including upper and lower connecting arms extending substantially horizontally outward from said frame, a substantially vertical wheel supporting member to be supported between said arms, the outer ends of said arms and the ends of said member each being provided with bearing recesses, and bearing means for connecting said arms and said member comprising a bushing in each of said bearing recesses, the bushing in said member bearing recesses being composed of a compressible material, and a bearing shaft extending through each of the bushings in said member into the bushings of said arms, means arranged to effect axial shifting of said member bushings on said bearing shafts and means for locking said member bushings and said bearing shafts as one piece.

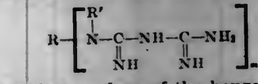
2,255,089
PAN FOR BAKING ROLLS
Roland S. Simonds, Manchester, N. H.
Application June 2, 1939, Serial No. 277,051
10 Claims. (Cl. 53—6)



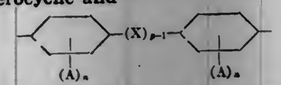
9. A roll baking pan having a receptacle provided with spaced internal supports extending thereacross above its base for supporting a piece of dough for expansion upwardly and for expansion downwardly on opposite sides of said supports as the dough rises, said supports being hollow and open on their lower sides.

2,255,090
INHIBITING THE GAS FADING OF DYED ACETATE SILK
John M. Tinker and Donovan E. Kvalnes, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 13, 1940, Serial No. 318,706
7 Claims. (Cl. 8—61)

1. A dyed article of cellulose acetate fibers which has affixed to said fibers a biguanide of a group represented by the formula

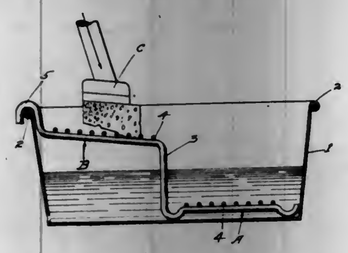


in which R is a nucleus of the benzene, naphthalene heterocyclic and



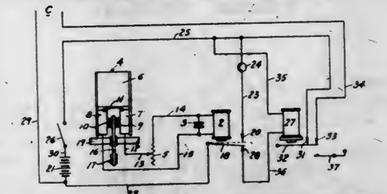
series, *m* is 1 to 3; R' is one of a group consisting of hydrogen, alkyl having 1 to 5 carbons and hydroxyalkyl having 1 to 5 carbons; A is from the group consisting of hydrogen, alkyl having 1 to 12 carbons, methoxy, ethoxy, —CF_3, halogen, —$COCH_3$, —CN, acetylamino, —SO_2CH_3 and —SO_2 phenyl; *n* is an integer not greater than 2; X is one of a group consisting of —O—, —S—, —NH—, —CH_2SO_2—, —CO—, —CH_2CH_2—, —CH=CH—, —NHCO—, —NHCONH—, —OCH_2CH_2O— and —$NHSO_2$—; and *p* is an integer not greater than 2.

2,255,091
DEVICE FOR WASHING AND WRINGING SPONGE MOPS
Sidney P. Vaughn, Ackerman, Miss.
Application July 12, 1940, Serial No. 345,070
3 Claims. (Cl. 15—260)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



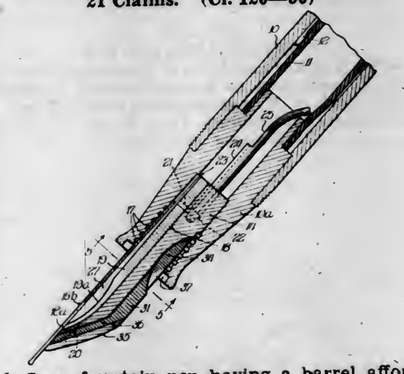
1. A device for washing and wringing sponge mops, comprising two foraminous screens arranged in stepped relation to each other on a frame common to both and adapted to be supported by and within a pail, the stepped relation being such that the washing screen is supported at or near the bottom of the pail below the normal water line for use in washing the mop, and such that the wringing screen is supported at or near the top of the pail above the normal water line for use in squeezing the water out of the mop.

2,255,092
ROTATIONAL SPEED RESPONSIVE DEVICE
Max Theodore Wintsch, Lancaster, Pa., assignor of one-half to Newton M. Weaver, Lancaster, Pa.
Application September 7, 1938, Serial No. 228,843
7 Claims. (Cl. 175—355)



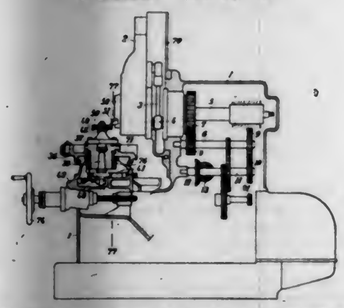
1. A rotational speed responsive device comprising in combination a tuned relay, a variable reactance connected in series with said relay, means for producing a current which varies in accordance with the variations of the reactance, said relay being responsive only to current of a predetermined frequency established by said reactance, a source of current, and a slow release relay effective for interrupting the supply of current from said source upon energization of said first mentioned relay for a predetermined interval greater than the time lag of said slow release relay.

2,255,093
FOUNTAIN PEN
George E. Ziegler, Chicago, Ill., assignor to Eversharp, Inc., Chicago, Ill., a corporation of Delaware
Application July 1, 1940, Serial No. 343,356
21 Claims. (Cl. 120—50)



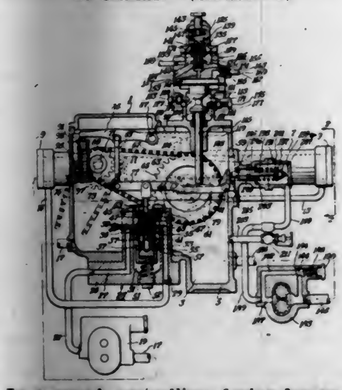
1. In a fountain pen having a barrel affording an ink reservoir and a pen point mounted in and projecting from the end of the barrel, a feed bar mounted in the barrel in underlying relationship to the pen point and formed with an ink feed groove extending continuously from a point near the tip of the feed bar through its rearward end, said feed bar being formed also to afford an air passage extending longitudinally thereof immediately under the pen point and communicating with said ink feed groove, said air passage being of diminished size in the rearward portion of the feed bar to afford a restricted inlet into the ink reservoir, said feed bar being provided with a second air passage of restricted flow capacity leading from the diminished portion of said first air passage and opening into the reservoir rearwardly of the feed bar at a location spaced from the encompassing barrel wall

2,255,094
GEAR CUTTING MACHINE
Albert Aeppli, Zurich, Switzerland, assignor to Maag-Zahnräder und-Maschinen A. G., Zurich, Switzerland
Application November 7, 1938, Serial No. 239,198
In Germany November 9, 1937
6 Claims. (Cl. 90—8)



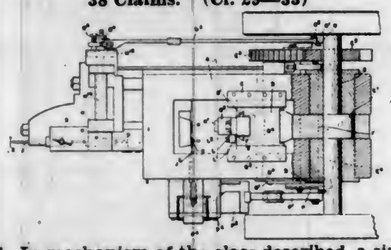
1. A gear cutting machine which comprises a blank holder, a cutting tool, means including an element rotatable with the blank adapted to have rolling movement relative to a member coextensive with said tool and cause said blank to have rolling motion relative to said tool, thermometric elements coordinated to said tool and said element, a heating element associated with said rotatable element, and means governed by said thermometric elements and controlling said heating element, whereby inaccuracies owing to heat expansion of said tool are compensated by expansion of the rotatable element.

2,255,095
CONTROLLING DEVICE
Charles S. Baker and Allan O. Carpenter, Corning, N. Y., assignors to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application September 6, 1940, Serial No. 355,574
19 Claims. (Cl. 230—9)



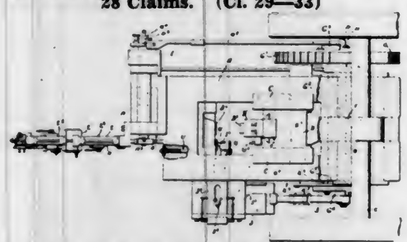
1. In a speed controlling device for an engine driven compressor having means to control the supply of energizing fluid to the engine, the combination of a cylinder, a double-acting piston in the cylinder, means to supply fluid under pressure to either end of the cylinder, a valve to control the supply of fluid to the cylinder, a series of levers connected to the valve, a second valve actuated by the compressor discharge fluid to move said levers in accordance with variations in the compressor discharge pressure, a second series of levers connected to said first series of levers actuated upon movement of the piston to move the valve into a position preventing flow of fluid to either end of the cylinder.

2,255,096
HEADING MACHINE
Lee Berkebil, Detroit, Mich., assignor to B. W. Manufacturing Company, Detroit, Mich., a corporation of Michigan
Original application March 16, 1936, Serial No. 69,242. Divided and this application May 25, 1938, Serial No. 210,010
38 Claims. (Cl. 29—33)



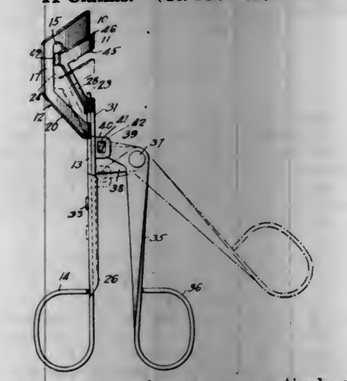
1. In mechanism of the class described, a sizing die, a heading die, means for advancing stock through said sizing die toward said heading die, means intermediate said dies for cutting said stock into blanks, and means independent of the advancing means carried by said heading die and operable when a length greater than that required for a blank is advanced toward said cutting means to feed backward the stock the proper distance to provide the proper length to be cut.

2,255,097
COMBINED FEEDING AND COLD DRAWING MECHANISM FOR HEADING MACHINES AND THE LIKE
Lee Berkebil, Detroit, Mich., assignor to B. W. Manufacturing Company, Detroit, Mich., a corporation of Michigan
Original application June 27, 1938, Serial No. 216,134. Divided and this application March 25, 1939, Serial No. 264,249
28 Claims. (Cl. 29—33)



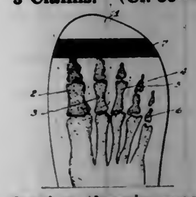
1. In a machine of the character described, a bed having a passage for stock, means carried by said bed adjacent said passage for severing the stock to provide a blank of predetermined length, means adjacent said bed for advancing the stock in said passage toward said severing means, and means operable independently of said advancing means when a length of stock greater than that required for a blank is advanced to push the stock backward in said passage the proper distance to obtain the proper length to be severed, including an adjustable screw carried by said bed, and a spring carried by said screw in the path of the stock being advanced.

2,255,098
EYELASH CURLER
Herman Bernstein, Brooklyn, N. Y.
Application January 29, 1941, Serial No. 376,430
11 Claims. (Cl. 132—32)



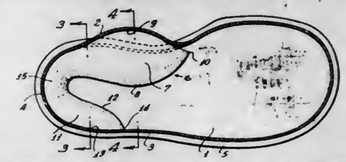
1. In an eyelash curler, a comparatively wide upper jaw having end parts reduced in width, frame members depending from the reduced end parts and forming an integral first frame therewith, an elongated first arm extending integrally and downwardly from the frame and having a portion extending upwardly within the frame, said arm having a pair of spaced aligned slots therein, a second frame within the first frame and including a lower jaw, a second arm extending downwardly from the second frame and in face to face relation to the first arm, guide pins secured to the second arm and passing through said slots, a yieldable member removably held by the lower jaw and comprising a rubber strip and a metallic backing strip, a face of the backing strip being arranged in contact with the adjacent face of the lower jaw, a slotted member outstanding integrally at right angles to the second arm at an edge thereof, a bearing member outstanding integrally at substantially right angles to the first arm at a corresponding edge thereof adjacent the slotted member and longer than the slotted member, and a bell-crank-lever pivoted to the bearing member and having a bent lug inserted into the slot of the slotted member to reciprocate the arms relatively to each other.

2,255,099
VISUAL FITTING SHOE
David R. Brady, Detroit, Mich., assignor to David R. Brady and J. Windsor Davis, as joint trustees for Brady Research Company, Detroit, Mich., a joint-venture company
Application August 4, 1938, Serial No. 223,077
3 Claims. (Cl. 36—1)



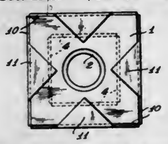
1. A shoe having therein means for indicating the fit of a foot in the shoe when in the presence of fluoroscopic or radiographic rays, comprising a marker affixed to the sole of the shoe and composed of material semi-impervious to X-rays, the degree of imperviousness of the marker being so correlated to the combined degree of imperviousness of the shoe plus the flesh and the bones of the foot that the marker and any bones of the foot or parts thereof that may be in overlying relation to the marker may be viewed simultaneously when exposed to X-rays.

2,255,100
POSTURE GUIDE
David R. Brady, Detroit, Mich., assignor to David R. Brady and J. Windsor Davis, as joint trustees for Brady Research Company, Detroit, Mich., a joint-venture company
Application March 17, 1939, Serial No. 262,398
1 Claim. (Cl. 36—71)



A posture guide comprising an insert, said insert as viewed in plan being of substantially U-shape and adapted to fit within the heel portion of a shoe, the arm of the U at the inside of the shoe being of a length such that it terminates slightly forwardly of the inner side of the ankle bone of the wearer, the other arm being shorter and of a length such that it terminates slightly rearwardly of the outer side of the ankle bone of the wearer, said arms and the portions of the U which connects the arms having a cross sectional shape such that their bottom and outer surfaces overlie areas of the sole and shoe upper respectively and such that the top surface curves concavely from the inner edges to the outer-upper edges, the outer-upper edges tapering to zero height and the arms of the U tapering to zero width, all of said edges being of zero thickness throughout their entire lengths, said shorter arm having a portion of greatest height approximately midway between its terminal portion and the connecting portion of the U, said connecting portion being of varying height with its portion of greatest height slightly less than that of the shorter arm and disposed approximately midway of the length of the connecting portion, and the longer arm having a portion of substantially greater height than the shorter arm disposed approximately midway between its terminal portion and the connecting portion of the U.

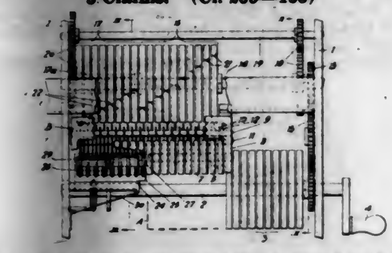
2,255,101
CAGE NUT
James P. Burke, Knoxville, Tenn., assignor to F. L. McLaughlin, Detroit, Mich.
Application September 25, 1939, Serial No. 296,363
3 Claims. (Cl. 85—32)



2. A nut cage comprising a square sheet metal blank having its corner portions bent in the form of triangles disposed in an upstanding position and forming a square whose sides cross diagonals of the blank at 90°, the central portion of the blank being struck therefrom in a direc-

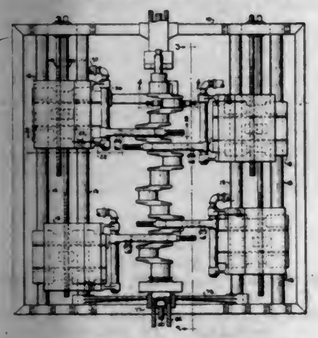
tion opposite to the corners and forming a central opening and a multiplicity of clinching prongs.

2,255,102
ADDING AND CALCULATING MACHINE
Bengt Carlström, Atvidaberg, Sweden, assignor to Aktiebolaget Facit, Atvidaberg, Sweden, a corporation of Sweden
Application July 12, 1938, Serial No. 218,788
In Germany August 8, 1937
3 Claims. (Cl. 235—138)



1. In a calculating machine, in combination, a register, two cooperating tens transfer rotors for said register, and a gearing between said two rotors for coupling them permanently together, said gearing having such a ratio of transmission that the rotor for the higher denominations is rotated at a higher speed than the other rotor and performs an integral number of revolutions for each revolution of said other rotor.

2,255,103
EQUIPMENT FOR ELECTRIC HEATING
Francis S. Denneen, Cleveland, and William C. Dunn, Shaker Heights, Ohio, assignors to The Ohio Crankshaft Company, Cleveland, Ohio, a corporation of Ohio
Application October 15, 1938, Serial No. 235,256
6 Claims. (Cl. 219—13)



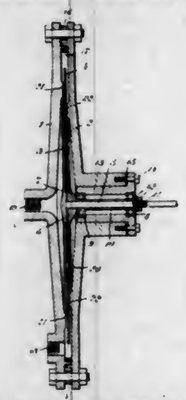
1. In apparatus of the class described, a frame comprising four rectangularly disposed structural members, means comprising a pair of structural members forming part of and lying on opposite sides of said frame and closely adjacent and parallel to a respective side member thereof to form a pair of guideways, a pair of heat treating units one slideably mounted on each guideway, and including an inductor member extending into the central space between said guideways, and a support to maintain an elongated article parallel to said guideways and in said central space in cooperating relation with both said inductor members.

2,255,104
TYPEWRITER RIBBON
Harold F. E. Dixon, Douglaston, N. Y., assignor to Columbia Ribbon and Carbon Manufacturing Company, Inc., Glen Cove, N. Y.
Application August 21, 1940, Serial No. 353,458
1 Claim. (Cl. 197—172)



A typewriter ribbon comprising a paper base, and a plurality of parallel carbon ink coated strips in the same plane and slightly spaced apart, adhesively attached to one surface of said base, said adhesive attachment being the sole means for holding the coated strips in their spaced apart position on the base.

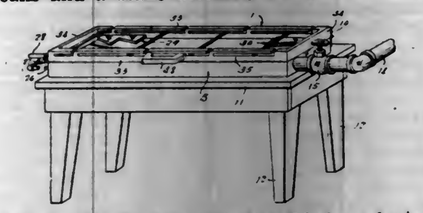
2,255,105
COLLOIDAL MILL
Lewis M. Dixon, Sea Cliff, N. Y., assignor to Columbia Ribbon and Carbon Manufacturing Company, Inc., Glen Cove, N. Y.
Application February 17, 1941, Serial No. 379,214
1 Claim. (Cl. 83—8)



A disc mill characterized by having two opposed, internally concave, circular casing members, each having a relatively narrow circular internal grinding surface, each parallel to the other, and of substantially different diameters, the outer diameter of one being less than the inner diameter of the other, a thin, smooth surfaced grinding disc having a diameter greater than the outer diameter of the larger grinding surface, rotatable between said grinding surfaces and sufficiently flexible to accommodate itself to changes in the shape of the casing due to temperature variations.

2,255,106
METHOD AND APPARATUS FOR FORMING TIES
Earl M. Famous, Upper Darby, Pa., assignor of fifty per cent to Harrison H. Heitmann, Glenside, Pa.
Application April 5, 1939, Serial No. 266,051
7 Claims. (Cl. 223—1)

1. Apparatus of the character described comprising a bed, forming elements carried by the bed and having rounded surfaces and edges defining grooves, means for heating said bed, independent means for supplying steam to the bottom of said grooves, a steam supply for said independent means separate from said heating means and a blade assembly movable with re-

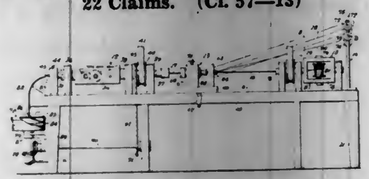


spect to the bed and including blades adapted to be received in said grooves.

2,255,107
MANUFACTURE OF PURE SODIUM CYANIDE
Reinhold Fick and Karl Wintersberger, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to Walter H. Duisberg, New York, N. Y.
No Drawing. Application November 18, 1937, Serial No. 175,254. In Germany December 17, 1936
5 Claims. (Cl. 23—84)

1. A process of producing pure sodium cyanide from ammoniacal aqueous solutions of sodium cyanide with a content of sodium cyanide of at least about 30 per cent which consists in removing ammonia from the solution and avoiding a substantial evaporation of water while maintaining a temperature not exceeding about 40° C., a precipitation of solid sodium cyanide containing water of crystallization thus taking place, and then separating the precipitated sodium cyanide from the mother liquor.

2,255,108
MACHINE AND METHOD FOR MAKING FLEXIBLE SHAFTING
Charles Fischer, New York, N. Y., assignor to Sidney Fischer and Emanuel M. Fischer
Application October 7, 1938, Serial No. 233,731
22 Claims. (Cl. 57—13)



1. In a machine of the character described, cable advancing and rotating means comprising a revoluble support, a plurality of pairs of coacting grooved rolls carried by the support and revoluble therewith, means responsive to rotation of the support for rotating the rolls about their respective axes, a chuck mounted coaxially of and revoluble with the support, and releasable cable gripping means on the chuck.

2,255,109
LUMINESCENT GLASS AND ELECTRIC DISCHARGE LAMP MADE THEREFROM
Hellmuth Fischer, Ilmenau, Germany
No Drawing. Application September 26, 1939, Serial No. 296,616. In Germany October 5, 1938
17 Claims. (Cl. 250—81)

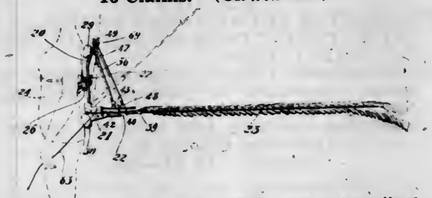
1. Luminescent glass of the uranium-lead type carrying a luminescence-affording content of a compound of a metal of the group that consists of uranium and lead, such glass being of intensified luminescence by virtue of an alkali content in which potassium oxide is preponderant over sodium oxide by at least a 2:1 ratio and a zinc oxide content of substantially 3.5–7.0%.

2,255,110
WEIGHING SCALE
Max Garbell, Chicago, Ill., assignor to Continental Scale Corporation, Chicago, Ill., a corporation of Delaware
Application February 28, 1938, Serial No. 192,926
8 Claims. (Cl. 265—62)



1. In a portable weighing scale the combination of a base member and a platform member, lever means supported on the base member and carrying the platform member, indicator means mounted on one of said members and drivingly connected with said lever means, a pendulum swingably mounted on one of said members and drivingly connected to counterbalance said lever means, a fixed stop for limiting the swinging movement of said pendulum in one direction, and latch means for holding said pendulum against said stop, said latch means being ineffective for holding the pendulum when the scale is in weighing position on a support floor but operating to hold said pendulum when the scale is lifted.

2,255,111
DANCER'S BIRD TAIL DEVICE
George Edward Golden, New York, N. Y.
Application January 31, 1941, Serial No. 376,847
16 Claims. (Cl. 272—21)

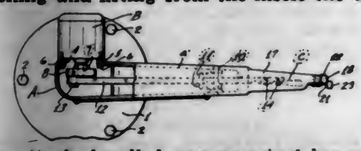


1. In a dancer's device of the class described, a substantially vertical support adapted for attachment against the back of the dancer, a tail member pivotally attached to the support and movable between substantially vertical and horizontal limiting positions, releasable yieldable means urging said member upwardly to said vertical position, releasable yieldable means urging said member downwardly to said horizontal position, and releasable latch means for holding said member locked in either of said positions.

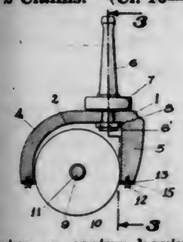
2,255,112
SHOE MACHINERY
William Fred Green, St. Louis, Mo., assignor to Valley Shoe Corporation, St. Louis, Mo., a corporation of Missouri
Application July 27, 1940, Serial No. 347,885
4 Claims. (Cl. 12—51)

1. A shoe machine including a tool having a chisel-shaped bit, means for positioning a shoe

for engagement by the tool-bit, and means for actuating the tool through an elliptical path for detaching and lifting from the insole the adhesively attached pulled-over marginal lap of the upper, said shoe positioning means including a first finger for engaging the lap and a second finger for engaging the side of the shoe.

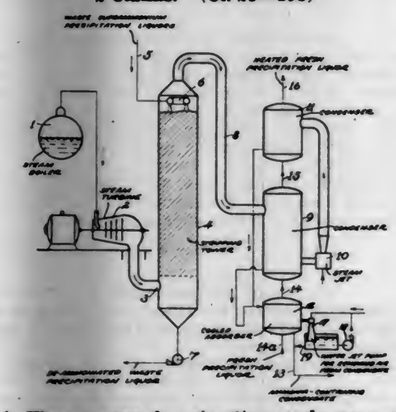


2,255,113
CASTER
Carl K. Greenleaf, Palo Alto, Calif.
Application November 2, 1940, Serial No. 364,065
2 Claims. (Cl. 16—41)



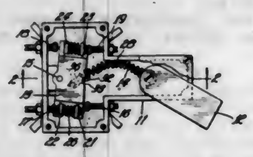
1. In a caster, a casing having its lower side open, a caster wheel rotatably mounted in the casing and positioned with a part thereof projecting downwardly through the open lower side of the casing, a pair of scraper elements secured to the lower side of the casing and positioned in close proximity to the opposite sides of the caster wheel, and another pair of scraper elements adjustably positioned at ends of the lower side of the casing and positioned to engage with the wheel's periphery.

2,255,114
PROCESS FOR THE RECOVERY OF AMMONIA FROM SPENT CUPRAMMONIUM SILK PRECIPITATION LIQUORS
Alfred Haltmeier, Cologne, Germany, assignor, by mesne assignments, to Walther H. Duisberg, New York, N. Y.
Application October 9, 1937, Serial No. 168,280
In Germany October 10, 1936
2 Claims. (Cl. 23—193)



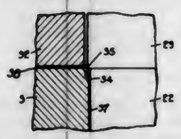
1. The process for simultaneously recovering the ammonia contained in spent cuprammonium silk precipitation liquors and heating of fresh cuprammonium silk precipitation liquors which comprises expanding steam in a steam turbine working with condensation to a pressure corresponding substantially to the vapor pressure of the spent cuprammonium precipitation liquors at the temperature of about 30°–60° C. they have after the cuprammonium silk precipitation treatment, bringing said steam into direct countercurrent contact with the spent cuprammonium precipitation liquors and condensing the steam carrying the ammonia together with the ammonia by bringing it in heat exchange with the fresh cuprammonium precipitation liquors.

2,255,115
SWITCH
Warren W. Helle, Hinsdale, Ill.
Application May 9, 1938, Serial No. 206,701
7 Claims. (Cl. 200—67)



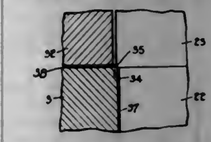
1. A switch including an actuating member, a pivoted contact bridging member having an edge rim and a cavity below the edge rim, a spring support pivotally mounted on said edge rim and having a portion extending into said cavity, a spring operatively connected at one end to said actuating member and supported at the other end upon said spring support, with said other end of said spring extending into said cavity.

2,255,116
APPARATUS FOR MAKING BOXES
William E. Helmstaedter, Newark, N. J., assignor to Celluloid Corporation, a corporation of New Jersey
Application January 21, 1937, Serial No. 121,615
1 Claim. (Cl. 18—19)



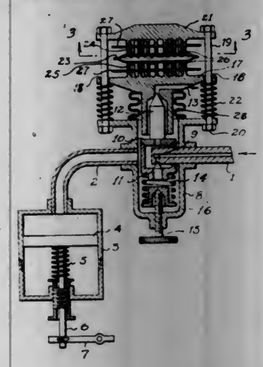
Apparatus for stamp-molding boxes and like containers under heat and pressure from blanks of film, foil and sheet stock of thermoplastic material, comprising a die having an opening therein and a beveled edge at said opening, a former of smaller diameter than said opening adapted to cooperate with said die to shape the article, and an annular member of larger diameter than said opening in said die carried by said former, said member forming a right-angle with said former and having a right-angle edge thereon for registering with the bevelled edge of said die opening in a line contact so as to cause a nipping of the material along the line of severance to sever the molded article from the blank, whereby the severed edge of the molded article is smooth, heat-sealed and tear-resistant.

2,255,117
METHOD OF MAKING BOXES
William E. Helmstaedter, Newark, N. J., assignor to Celluloid Corporation, a corporation of New Jersey
Original application January 21, 1937, Serial No. 121,615. Divided and this application April 27, 1938, Serial No. 204,548
1 Claim. (Cl. 18—56)



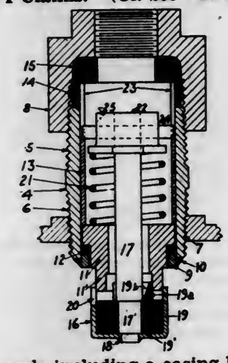
In a process for stamp-molding boxes and like containers, the steps of molding said articles under heat and pressure from film, foil and sheet stock of thermoplastic material and severing the molded article from the unused portion of the stock, while said article is still in the mold, by pressing the material along the line of severance between an edge and an opposing surface on the mold, said surface being rigid and curved in the direction of relative motion between said edge and said surface and said edge being prevented from moving beyond the curved portion of said rigid surface, whereby the severed edge of the article is smooth, heat-sealed and tear-resistant.

2,255,118
CONTROL FOR THERMOSTATIC VALVES
Clarence F. Hirshfeld, Detroit, Mich., assignor to Transit Research Corporation, a corporation of New York
Application January 20, 1939, Serial No. 251,893
2 Claims. (Cl. 297—3)



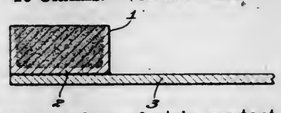
2. The combination in a thermostatically controlled device of two relatively movable members of substantial heat retaining qualities, an element responsive to changes in temperature of a flow of fluid therepast for moving said members relatively, a plurality of projections of small cross-section arising from said members as spacer means between said element and said members, said projections being regularly spaced and in the direct path of said fluid, and baffle means carried by the projections from both of said members intermediate their length for preventing contact with said element of fluid which has contacted either of said members, each of said projections having a cap between its end and said element composed of material of relatively poor heat transmitting quality.

2,255,119
NOZZLE
Joseph E. Kennedy, New York, N. Y., assignor to Kennedy-Van Saun Mfg. & Eng. Corporation, New York, N. Y., a corporation of Delaware
Application February 20, 1939, Serial No. 257,447
4 Claims. (Cl. 299—150)



1. In a nozzle including a casing having an inlet to admit air under pressure into the casing and an outlet through a tubular portion projecting from the casing, valve means for controlling the outlet and discharge of air through the casing, comprising a cup member slidably engaging the projecting portion and having a recess in the flange thereof, a member of yielding material in the cup member adapted to seat against the end of the projecting portion and seal the outlet, said cup member being normally urged to position with the projecting portion engaging the yielding member and the projecting portion covering the recess in the flange of the cup member and co-operating with the cup member to seal said yielding member therein, and said valve means actuated by the pressure of the air admitted into the casing acting on the yielding member in the cup member to unseat the yielding member from and place the flange recess in communication with the projecting portion to discharge the air through said flange recess in a stream laterally from the casing perpendicular to the axis of the valve means.

2,255,120
WELDABLE SILVER-GRAPHITE CONTACT AND METHOD OF MAKING IT
Edwin F. Kiefer and Erle I. Shobert, II, St. Marys, Pa., assignors to Stackpole Carbon Company, St. Marys, Pa., a corporation of Pennsylvania
Application October 13, 1939, Serial No. 299,330
10 Claims. (Cl. 200—166)

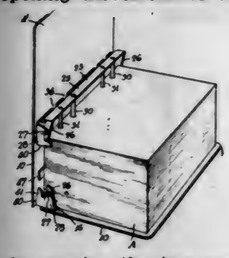


1. A silver-graphite electric contact element having one surface from which the graphite has been oxidized to leave a readily weldable silver face.

2,255,121
LOOSE-LEAF BINDER
Eino E. Lakso, Fitchburg, Mass., assignor to Clarence W. Vogt, Norwalk, Conn.
Application October 11, 1938, Serial No. 234,341
75 Claims. (Cl. 129—13)

14. A loose leaf binder comprising a substan-

tially flat back, a pair of covers hinged to said back, two opposed rows of sheet retaining prongs extending transversely between said covers and overlapping at their free ends when said binder is in closed position, means automatically operable upon opening movement of either one of



said covers for moving the two rows of prongs relatively endwise apart, to afford extra space for the sheets on said prongs, means for holding said prongs in overlapping relationship in open position of said binder, and a single means on said back for releasing said holding means.

2,255,122

TESTING JACK FOR SOCKET TYPE METERS

Kenneth C. Markley, Huntington Valley, Pa., assignor to The Eastern Specialty Company, Philadelphia, Pa., a corporation of Pennsylvania

Application August 15, 1940, Serial No. 352,801
9 Claims. (Cl. 175—183)

1. In a testing mechanism for socket type meters which comprise a receptacle having sockets into which meter-carried plugs are inserted, a testing jack adapted to be inserted between meter and socket, and provided with plugs to engage the meter socket and provided with sockets to receive the meter plugs, a testing instrument, a connection plug, permanent connections between said plug and the instrument, connections upon the jack adapted to be engaged by said plug to connect the test instrument to service and meter through said jack, and an adapter adapted to be inserted between said plug and jack, the connections being such that when the plug is plugged into the jack, connections are made to test 2-wire and 3-wire meters, while when the adapter is inserted between plug and jack, the connections are such as to test 2-element network meters.

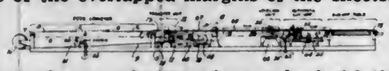
2,255,123

MANUFACTURE OF PAPERBACKED LATHING

Richard T. McGee and Leonard W. Cross, Wheeling, W. Va., assignors to The Consolidated Expanded Metal Companies, Wheeling, W. Va., a corporation of West Virginia

Application October 23, 1937, Serial No. 170,715
7 Claims. (Cl. 154—1)

1. Apparatus of the character described including a conveyor for serially advancing lath sheets, abutment members projecting from and associated with said conveyor and adapted to position the sheets with adjacent marginal portions thereof in serially overlapped position, means for continuously feeding paper backing adjacent the path of movement of the sheets, means for securing the paper to the sheets, and means for severing the paper along a line adjacent an edge of one of the overlapped margins of the sheets.



4. In the manufacture of paper-backed lathing sheets, the method which includes continuous serial advancement of lathing sheets in end-to-end relation with their adjacent margins serially overlapped, continuously feeding paper backing with said sheets, securing the paper backing to the sheets, and severing the paper backing along a line adjacent each overlapped joint in the sheets during continuous advancement thereof.

2,255,124

EXTRACTION PROCESS

Marjorie B. Moore, Waukegan, Ill., assignor to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois

No Drawing. Application August 21, 1939, Serial No. 291,154
7 Claims. (Cl. 260—236)

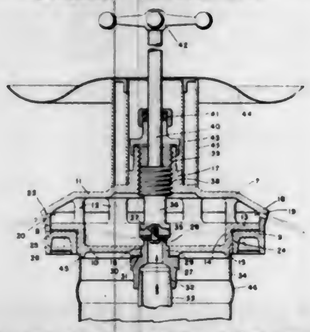
1. The step in a process for extracting alkaloids from ergot which comprises treating ergot with an alkali metal alcoholate.

2,255,125

SPRAY HEAD FOR WASH FOUNTAINS

Howard A. Mullett, Milwaukee, Wis., assignor to Bradley Washfountain Company, Milwaukee, Wis., a corporation of Wisconsin

Application July 9, 1937, Serial No. 152,688
4 Claims. (Cl. 299—144)



1. A sprayhead for washfountains comprising a body member having a chamber provided with separated wall portions, the edge of one of said wall portions being downwardly inclined, a ring member closing the space between said wall portions and rotatably shiftable relative thereto and having a surface abutting the inclined edge of said wall portion and provided with orifice forming notches and a flat base portion, the shifting of said ring member permitting angular adjustment of said notches independent of said body member, and an annular nut having a flat top portion engageable with the base portion of said ring for clamping said ring member in assembled relation relative to said body member.

2,255,126

METHOD OF CONTROLLING TEMPERATURE OF EXOTHERMIC CATALYTIC REACTIONS

William Whalley Myddleton, New Malden, England, assignor, by mesne assignments, to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware

Application August 26, 1937, Serial No. 161,106
In Great Britain May 21, 1937
6 Claims. (Cl. 260—449)

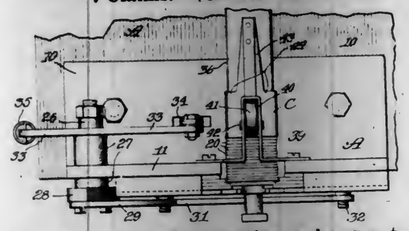
1. The method of preventing overheating of a catalyst for exothermic reactions between gases which comprises initially passing the gases over the catalyst at a flow rate substantially below the desired full flow rate and subsequently increasing the rate of flow inversely as a function of temperature to the desired full rate.

2,255,127

MACHINE FOR SECURING HANGERS TO HANDLES

Julius Newig, Chicago, Ill., assignor to Handy Button Machine Co., Chicago, Ill., a corporation of Illinois

Application July 24, 1940, Serial No. 347,278
7 Claims. (Cl. 140—93)



1. In a machine for securing a hanger to a handle, a frame, a rotatable member mounted on said frame and provided with a plurality of arcuate supports of varying diameters for receiving handles of different sizes, said rotatable member being provided with grooves on either side of said arcuate support opening into the interior of said arcuate supports for guiding the legs of the hanger into the handle, compression members slidable in said frame toward each other and said rotatable member, means for feeding a hanger between said members, and means for actuating said members against said hanger to secure it within said handle.

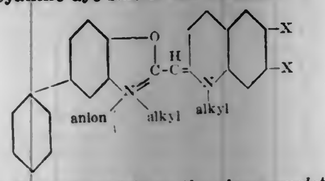
2,255,128

PSEUDOCYANINE DYE

Oskar Riester, Dessau, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application March 9, 1938, Serial No. 194,838. In Germany March 13, 1937
4 Claims. (Cl. 260—240)

4. A cyanine dye salt of the formula



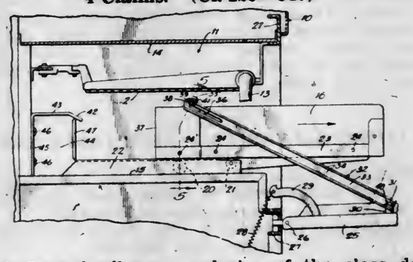
wherein **X** is selected from the class consisting of hydrogen, alkyl and alkoxy, one **X** always being hydrogen.

2,255,129

BROILER OVEN

Walter F. Rogers, Oak Park, Ill., assignor to Crown Stove Works, a corporation of Illinois

Application March 24, 1941, Serial No. 384,877
4 Claims. (Cl. 126—340)



1. In a broiler oven device of the class described, the combination with a slidable broiler grid carrier, and an oven door hinged at its lower edge, of a laterally extending pin on a side wall of said carrier, a straight bar link pivoted at its outer end to the inner side of said door above the hinged edge of the latter, said link formed with a relatively short transverse pin-engaging slot at its inner end and a relatively long longitudinal pin-engaging slot communicating with, and extending forwardly from, the lower end of said transverse slot, said link being wholly supported by said door and pin, and means disposed in the path of the inner end of said link operating to raise said inner end during the final part of the closing movement of the door and thereby transfer said pin from said transverse slot to said longitudinal slot, and to lower said inner end during the first part of the opening movement of the door to thereby transfer said pin from said longitudinal slot to said transverse slot.

2,255,130

COLORATION OF MATERIALS

George W. Seymour and George C. Ward, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application September 21, 1939, Serial No. 295,910
9 Claims. (Cl. 8—48)

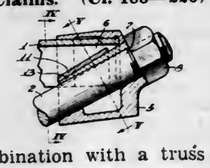
1. Process for dyeing textile materials containing an organic derivative of cellulose, which comprises treating the organic derivative of cellulose material with a suitable diazotizable base, diazotizing, coupling the same on the fiber with arylamide of a hydroxy carboxylic acid, said arylamide being capable of coupling, and subjecting the material to reduction and steaming, said reduction being insufficiently vigorous to effect discharge of the dye.

2,255,131

BRAKE BEAM ASSEMBLY

Charles K. Stillwagon, Johnstown, Pa., assignor to Davis Brake Beam Company, Johnstown, Pa., a corporation of Pennsylvania

Application September 3, 1940, Serial No. 355,128
4 Claims. (Cl. 188—226)



1. The combination with a truss type brake

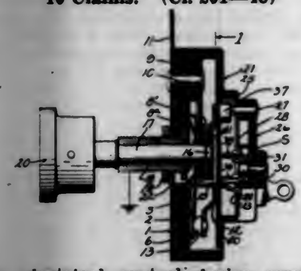
beam having a compression member and a tension member, of a brake head mounted on an end of the compression member and provided with a passage through which the tension member extends, a wedge driven into said passage from its outer end and extending substantially entirely through it to tightly wedge said tension member therein, and a nut threaded on the outer end of the tension member and bearing against the outer side of said head and overlying the outer end of the wedge.

2,255,132

COMBINED VARIABLE RESISTANCE AND SWITCH

Erwin R. Stoekle, Milwaukee, Wis., assignor, by mesne assignments, to Globe-Union Inc., Milwaukee, Wis., a corporation of Delaware

Application December 6, 1935, Serial No. 53,139
10 Claims. (Cl. 201—48)



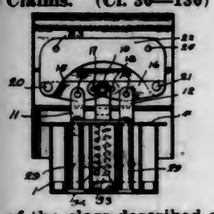
1. An electrical control device comprising a housing, a variable resistance therein, a switch carried by said housing in close proximity to the resistance, a common operating shaft for said variable resistance and said switch, said operating shaft being grounded, and an electric shield comprising an electrically conductive metal disc fixed to and electrically connected with the shaft and interposed between the live parts of the switch and the variable resistance to completely shield the resistance.

2,255,133

PRETZEL DOUGHNUT CUTTER

Donald Francis Taft, Eugene, Oreg.

Application July 10, 1940, Serial No. 344,794
6 Claims. (Cl. 30—130)



4. A device of the class described comprising a shell, a plurality of tubes secured within said shell, a disc slidable within each said tube, a plate slidable in the space between said shell and said tubes, a member movable relative to said shell and means including linkage between said member and said plate and discs for simultaneously reciprocating said plate and said discs relative to said member.

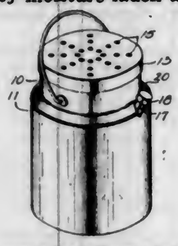
2,255,134

BAIT CONTAINER

Arthur C. Thomas, Milwaukee, Wis.

Application December 23, 1939, Serial No. 310,755
3 Claims. (Cl. 43—56)

1. A container provided with an apertured cover and adapted renewably to receive a bait supply of fish worms, grubs or the like, said container being jacketed and provided between the container and jacket walls with a supply of liquid coolant, whereby moisture laden atmospheric air



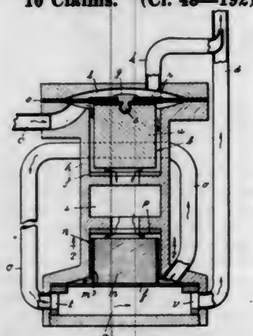
may enter the container through the cover apertures and contact the interior surfaces of the cooled walls thereof, to cause the moisture from the air to be condensed upon said surfaces to provide a cool and damp condition within the container conducive to bait life.

2,255,135

SAFETY DEVICE FOR GAS SYSTEMS

Maximilian Tornow, Berlin-Dahlem, Germany

Application August 5, 1938, Serial No. 223,273
In Germany February 1, 1936
10 Claims. (Cl. 48—192)



1. A safety device for preventing oxygen from backing up into a combustible gas piping system comprising a valve having a substantially horizontal diaphragm, a heavy valve body below said diaphragm, a hinge connection between said valve body and said diaphragm, for pivotally suspending said valve body from said diaphragm, a valve seat adapted to co-operate with the lower end of said valve body in closed position, and a valve casing surrounding said valve body and forming therewith a peripheral space, said space serving as a passageway for the gas through said valve, and permitting limited pivotal movement of said valve body in said casing about said hinge connection, an inlet adapted to lead combustible gas under pressure to the underside of said diaphragm, an outlet for the gases passing through said valve, and a pipe connection between said outlet and the space above the upper side of said diaphragm.

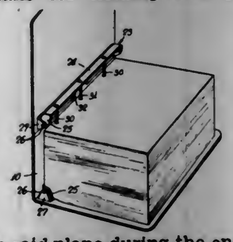
2,255,136

LOOSE-LEAF BINDER

Clarence W. Vogt, Norwalk, Conn., and Eino E. Lakso, Fitchburg, Mass.; said Lakso assignor to said Vogt

Application November 15, 1938, Serial No. 240,492
24 Claims. (Cl. 129—13)

1. A loose leaf binder comprising a back, a pair of covers hinged to and non-extensible with respect to said back, two opposed rows of pivotally supported substantially straight sheet retaining prongs extending between said covers in a plane substantially parallel to said back in closed position of said binder, and relatively movable endwise to afford extra space for the sheets on said prongs, means for holding said prongs sub-



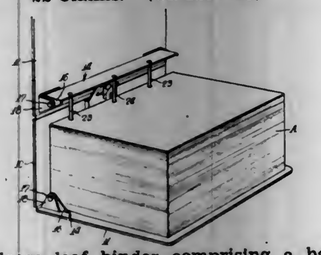
stantially in said plane during the endwise movement of said prongs, and means accessible for operation only from the approximate center of said back near the lower edges of the retained sheets, for releasing said holding means, to permit said prongs to swing about their pivotal supports into position substantially at right angles to said covers in open position of the binder.

2,255,137

LOOSE-LEAF BINDER

Clarence W. Vogt, Norwalk, Conn., and Eino E. Lakso, Fitchburg, Mass.; said Lakso assignor to said Vogt

Application January 21, 1939, Serial No. 252,106
22 Claims. (Cl. 129—13)



3. A loose leaf binder comprising a back, a pair of covers hinged thereto, pivotally mounted sheet retaining prongs normally extending across said back, releasable means for holding said prongs in said position, and means for automatically locking said covers in open position upon release of said holding means.

21. A loose leaf binder comprising a non-extensible back, a pair of covers hinged thereto, two opposed rows of sheet retaining prongs normally extending in the same plane and mounted for pivotal movement with respect to said back, means guiding said prongs for endwise movement in said plane, and means for interconnecting said two rows of prongs for correlated simultaneous pivotal movement in opposite directions with respect to said back.

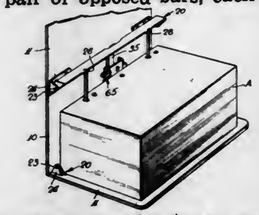
2,255,138

LOOSE-LEAF BINDER

Clarence W. Vogt, Norwalk, Conn.

Application March 7, 1939, Serial No. 260,269
23 Claims. (Cl. 129—13)

2. A sheet retaining device for a loose leaf binder, comprising a pair of opposed pivotally mounted rows of sheet retaining prongs, and connecting means for insuring simultaneous movement of said rows in opposite directions, and including a pair of opposed bars, each rigid with



and substantially parallel to a corresponding prong row, and a coupling slidably mounted on both bars.

2,255,139

FLOTATION OF CALCIUM CARBONATE ORES

Mikael Vogel-Jorgensen, Copenhagen, Denmark, assignor, by mesne assignments, to Separation Process Company, Borough of Catasauqua, Lehigh County, Pa., a corporation of Delaware

No Drawing. Application July 2, 1940, Serial No. 343,674. In Great Britain July 3, 1939
13 Claims. (Cl. 209—166)

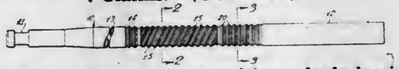
1. In the separation of calcium carbonate particles from a pulp containing such particles, the pulp having an alkalinity equivalent to a pH value of 6 to 9, the process which comprises improving the cleanness of the concentrate by subjecting the pulp to froth flotation in the presence of a collecting agent capable of floating the calcium carbonate and a resinate frothing agent, and prior to the completion of flotation decreasing the concentration of resinate dissolved in the pulp by incorporating in the pulp an inorganic compound capable of forming a resinate of low solubility selected from the class consisting of mineral acids and alkaline earth metal salts which have a solubility in excess of that of the corresponding resinate salt.

2,255,140

BURNISHING TOOL

James H. Waring, Brunswick, Ohio, assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application May 31, 1940, Serial No. 338,141
7 Claims. (Cl. 29—90)



1. A burnishing tool comprising a body having a circular section and elongated in length, said tool having adjacent the forward end thereof one or more raised annular burnishing rings disposed normal to its longitudinal axis, an intermediate series of normal helically disposed burnishing sections adapted to produce a continuous burnishing action, and a final group of raised annular burnishing rings disposed normal to the longitudinal axis of the tool.

2,255,141

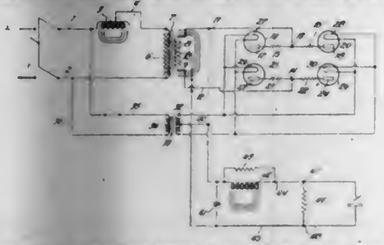
ARC WELDER

Robert E. Weir, Chicago, Ill., assignor to Robert L. Kahn, Chicago, Ill.

Application August 2, 1940, Serial No. 349,938
10 Claims. (Cl. 219—8)

3. A welder comprising a source of single phase alternating current, a full wave rectifier connected thereto and having output terminals, and a condenser input filter section connected across

said output terminals, said section having a condenser across the input, a high leakage iron core inductance in one side only, and only a bleeder



resistance directly across the output and arc sustaining electrodes connected across said bleeder resistance.

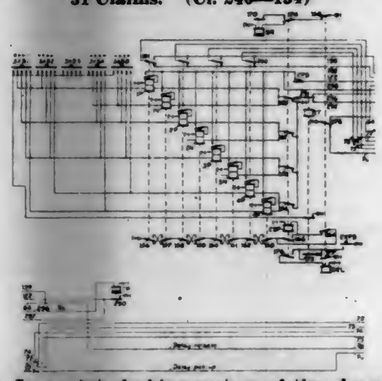
2,255,142

INTERLOCKING SYSTEM FOR RAILROADS

Sedgwick N. Wight, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application September 21, 1939, Serial No. 295,937

31 Claims. (Cl. 246—134)



1. In an interlocking system of the character described in which train movements through a track layout, providing a plurality of conflicting routes between an entrance point and a plurality of exit points, are governed in accordance with descriptions received of destinations for approaching trains, circuit means for storing descriptions of a destination for a first train approaching said entrance point, an entrance relay for the entrance point, an exit relay for each of the exit points, circuit means for energizing the entrance relay and one of the exit relays when a description of an approaching train is stored by said storing means, that exit relay being selected in accordance with the described destination for that first approaching train, and route establishing means responsive to the picking up of said entrance relay and one of said exit relays for setting up a route between those entrance and exit points.

2,255,143

SPORTSWEAR

Stanford Alexander, New York, N. Y., assignor to Saqui & Co., Inc., a corporation of New York

Application February 13, 1940, Serial No. 318,665

3 Claims. (Cl. 2—71)

1. A dress including a front opening skirt having an inverted pleat formed in the back thereof, said pleat having its abutting edges secured together from the top of said skirt to a point where the skirt may hang freely from the hips and having its edges free from said point to the



bottom of said skirt, and extensions of the free halves of said pleat extending forwardly within said skirt and attached to one edge of the front thereof, said extensions having their upper edges secured together to form a crotch.

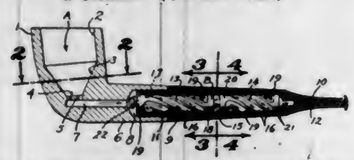
2,255,144

TOBACCO PIPE

Albert Backus, San Francisco, Calif.

Application June 27, 1938, Serial No. 215,969

1 Claim. (Cl. 131—218)



A solid cylindrical core to fit snugly and slidably into a cylindrical casing, said core having a continuously advancing and reversing spiral groove in the surface of said core to carry smoke back and forth in spiral paths along the periphery of said core, all substantially as set forth.

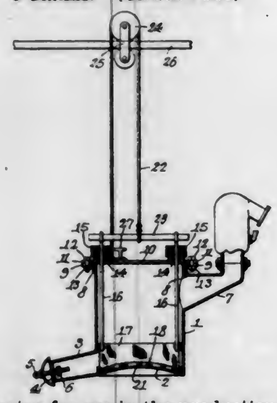
2,255,145

MEANS FOR DISTILLING TURPENTINE GUM

Lewis T. Baker, Jacksonville, Fla.

Application July 12, 1939, Serial No. 284,069

6 Claims. (Cl. 202—266)



1. Apparatus for use in the production of rosin and turpentine including a still having a normally closed rosin outlet at the bottom thereof and a vapor outlet adjacent to its top, a removable vapor retaining cover on the still, means for fastening the cover of the still, a foraminous basket removably mounted in the still, said basket being of substantially less depth than that of the still, and means slidable in and held against removal from the cover for raising the basket within

the still against the bottom of the cover following the application of heat to the contents of the still and for lifting the cover with the basket.

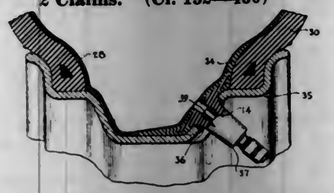
2,255,146

VALVE STEM FOR INNER TUBES

George W. Becker, Silver Lake, Ohio, assignor, by mesne assignments, to The Dill Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Original application October 11, 1933, Serial No. 693,114. Divided and this application July 31, 1937, Serial No. 156,831

2 Claims. (Cl. 152—430)



1. An inner tube comprising an endless tube and an integral rubber valve stem, said rubber stem having a terminal base flange integrally attached to the outside of said tube to provide a reinforced region adjacent the valve stem, a tubular metal valve insert in said stem for receiving a valve mechanism wholly within said tubular insert, said metal insert being permanently united in the rubber stem by being molded therein having its innermost end of generally cylindrical shape and terminating substantially flush with the outer surface of said flange, whereby said stem, as a whole, is integrally united with said tube and relative flexing between the stem and the tube is substantially confined to the reinforced region at the base of the stem.

2,255,147

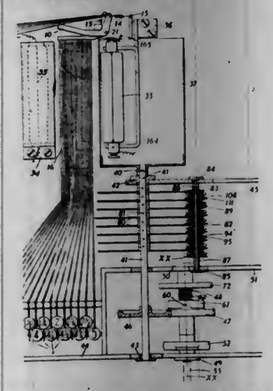
COMBINED CALCULATING, REGISTERING, AND TICKET PRINTING MACHINE

Daniel Broido, Belsize Park, London, England

Application May 21, 1937, Serial No. 144,022

In Great Britain May 28, 1936

4 Claims. (Cl. 235—61)



1. In apparatus for registering information represented by similarly shaped but differently positioned light transmitting areas on a carrier, the transparency of said light transmitting areas being different to that of the carrier, scanning means having a plurality of groups of scanning light transmitting areas, all groups and all light transmitting areas within each group being adapted to pass successively through the scanning plane during one scanning operation, one group of scanning light transmitting areas being provided for each denomination of the information to be registered and one light transmitting area within each group being provided for each possible value of the associated denomination, a source of light, a light sensitive device adapted to receive light transmitted from the light source through the carrier and scanning means, an electro-magnet controlled by said light-sensitive device, a plurality of transmission units, one for each denomination of the information to be registered, a clutch included in each transmission unit, all said clutches being controlled by said electro-magnet, means driven in synchronism with the scanning means for rendering each clutch operable only when its associated group of scanning light transmitting areas is in the scanning plane, a plurality of registering elements each of which is adapted to be driven by one of said clutches; and means for driving said clutches in succession and in synchronism with said scanning means.

2,255,148

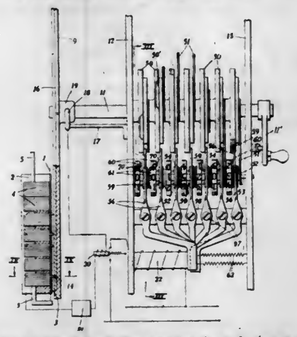
DEVICE FOR READING AND ANALYZING RECORD CARDS

Daniel Broido, London, England

Application November 26, 1937, Serial No. 176,442

In Great Britain November 26, 1936

4 Claims. (Cl. 235—61.11)



1. In an apparatus for entering into a register values represented by the selective projection of elements, an analyzing member adapted to engage successively with said projected elements for successively analyzing the various denominations, a plurality of registering elements each of which is individual to one denomination, a plurality of clutches, each adapted when operated to engage and drive one of said registering elements, means driven in synchronism with said analyzing member for successively driving each of said clutches during each analyzing cycle, a plurality of clutch operating members each of which is adapted to operate one of said clutches, a plurality of springs each of which is adapted to operate one of said clutch operating members, a single control device common to all said clutch operating members for holding the said members against the action of their springs, means for actuating said control device upon engagement of the analyzing member with said projected elements to permit the operation of said clutch operating members under the action of their springs, and a plurality of cams driven in synchronism with said analyzing member, said cams normally lock-

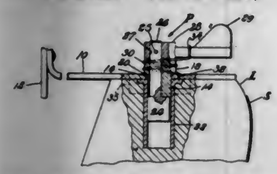
ing said clutch operating members against actuation by their springs, this locking action being independent of the holding action exerted by the control device and adapted to permit only one clutch operating member at a time to be actuated.

2,255,149
EYEGLASS
Ernest J. Brusell, St. Paul, Minn.
Application July 18, 1938, Serial No. 219,781
1 Claim. (Cl. 88—47)



Eyeglasses comprising spaced lenses each having a thin, elongated notch in the upper edge thereof, terminating in end shoulders, an elongated thin frame strap in each said notch extending longitudinally between said shoulders, ears on each end of each said frame strap projecting beyond the ends of said frame straps and overlying both of the opposed lens surfaces to hold said straps in place in said notches, means beyond the ends of said straps extending through the lenses connecting said ears to hold the ends of said straps to said lenses, brackets secured to the rear surface of said frame straps near the outer ends thereof, and bows secured to said brackets.

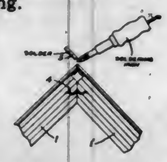
2,255,150
LAST JACK
Elton G. Carr, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application June 14, 1940, Serial No. 340,480
9 Claims. (Cl. 12—123)



1. A last jack comprising, in combination, a support and a last pin, said last pin comprising two portions of substantially the same cross-section alined end to end, means for urging one portion to turn about an offset axis substantially parallel to the axis of the other portion so that a part of said first-named portion is laterally offset with respect to the other portion, and means for moving said first-named portion into endwise alinement with the second-named portion.

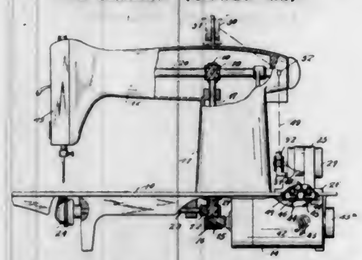
2,255,151
METHOD AND PRODUCT OF JOINING MATERIAL
MacMillan Clements, Schenectady, N. Y.
Application May 26, 1939, Serial No. 275,824
9 Claims. (Cl. 113—112)

1. The method of joining the edges of two pieces of composite material of the type consisting of a sheet of metal that is so thin that its edges burn away when it is attempted to butt weld them bonded by suitable adhesive means to a relatively thick backing sheet of wood comprising, removing such a portion of the backing adjacent the metal side of each edge to be joined that when said edges are placed in contact in the relative positions they are to occupy when joined a substantially closed channel will be formed having two adjacent metal sides and at least one side of backing material, placing said edges in contact so as to form said channel, and filling said channel with metal which is bonded to the metal sides of said channel at temperatures low enough to prevent burning away of the thin metal edges and prevent thermal destruction of the wood backing.



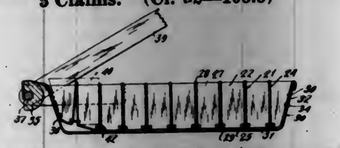
6. A normally invisible water-tight angle joint between beveled edges of two pieces of material each of which is made of an outer sheet of metal which is so thin that its edges burn away when it is attempted to butt weld it bonded by suitable adhesive means to a relatively thick backing sheet of wood comprising, in combination, a channel running along the inner side of said joint, said channel being bounded on its outer sides by the portions of the inner surface of the metal sheets which are adjacent the joined edges thereof and being bounded on its other sides by said wood backing, and a metal filler for said channel which is thermally bonded to the metal sides thereof, said thermal bond being made at maximum temperatures which heat the main body of said metal filler below the point which will cause burning away the thin metal edges and thermal destruction of the wood backing.

2,255,152
BOBBIN WINDER FOR SEWING MACHINES
Nathaniel E. Colegrove, Cleveland, Ohio, assignor to White Sewing Machine Corporation, Cleveland, Ohio, a corporation of Delaware
Application September 14, 1939, Serial No. 294,905
8 Claims. (Cl. 242—22)



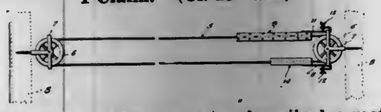
1. A bobbin-winding device for a sewing machine in the form of a self-contained unit adapted to be secured to the machine and which comprises a housing, a motor mounted therein, a bobbin receiving spindle rotatable in said housing and driven by said motor, a switch controlling said motor and located in said housing, and means carried by said housing for controlling said switch and including a movable member having a portion adapted to engage with the thread being wound on the bobbin and to be moved thereby to open said switch when the bobbin has been wound, said member being manually moved to close said switch.

2,255,153
FREEZING TRAY
John C. Crowley, Cleveland Heights, Ohio
Application March 4, 1938, Serial No. 193,954
5 Claims. (Cl. 62—108.5)



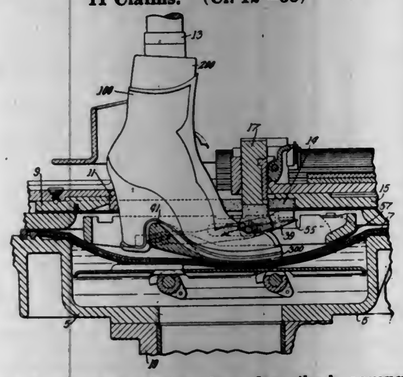
1. A freezing tray for refrigerators, comprising a receptacle adapted to contain liquid, an elongated flexible member for dividing the interior of the receptacle into a series of matrices for the formation of ice blocks, said member being extensible longitudinally to cause release of the ice blocks and having one end thereof connected with the receptacle, and winding means having connection with the receptacle and with the other end of said member and operable to apply a pulling force to extend the latter.

2,255,154
CLOTHESLINE CLEANER
Thomas Esposito, South Orange, N. J., assignor of one-half to John W. Fiore, Orange, N. J.
Application February 27, 1940, Serial No. 321,115
1 Claim. (Cl. 15—246)



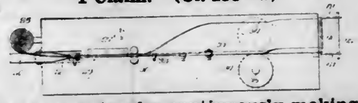
In a device of the character described, a metallic tubular shaped casing, a core in said casing and having a bore to receive a clothes line, said core being of a liquid absorbing and applying material, said casing having a plurality of openings to admit liquid to the core thereof, a bracket carried by said casing for detachably mounting the latter onto a support of a clothes line.

2,255,155
SOLE LAYING MACHINE
Leroy Farnum, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application April 1, 1940, Serial No. 327,088
11 Claims. (Cl. 12—38)



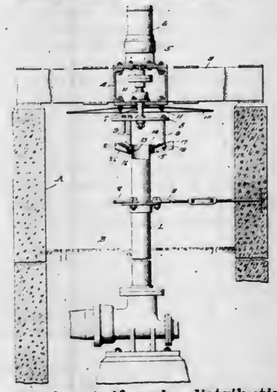
1. A machine of the class described, comprising a pressure box for fluid, one wall of which comprises a flexible diaphragm for pressing a sole against the bottom of a shoe, means for supporting the shoe against pressure applied to the sole, a shank presser located above and movable independently of the diaphragm, and mechanism for causing the presser to be pressed against the shank of the sole and for thereafter causing pressure to be exerted through the diaphragm and the presser upon the sole.

2,255,156
APPARATUS FOR MAKING FLASHING
Carroll C. Figge, Chicago, Ill.
Application February 13, 1937, Serial No. 125,578
1 Claim. (Cl. 153—2)



In an apparatus for continuously making roof flashing from a roll of fabric, means for feeding a strip of roofing fabric at right angles to a strip of metal, means for bending the metal about the edge of the fabric with one side of the metal overlapping the fabric more than the other, means for bending the longer metal edge and the fabric and positioning them permanently at right angles to the metal enclosed edge, and a cutter for severing the attached strips in suitable lengths as the fabric is moved continuously.

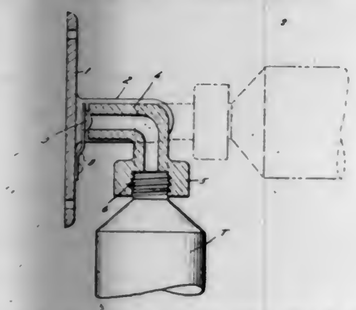
2,255,157
DISK DISTRIBUTOR FOR SEWAGE OR WATER DISTRIBUTION
Robert O. Friend, Chicago, Ill., John A. Montgomery, Denver, Colo., and William F. Schaller, La Grange, Ill.
Application August 13, 1938 Serial No. 224,798
2 Claims. (Cl. 299—63)



2. A device for uniformly distributing liquid over a filter bed including a feed pipe open at its upper end, a disk mounted for rotation about the upper end portion of the pipe, radially disposed vanes on the disk providing radial channels positioned to receive at their inner ends liquid delivered from the pipe, the vanes on the disk being disposed in groups identical in structure with each other, the vanes in each group being of different lengths, the distance between the outer ends of the vanes of each group and the pipe decreasing in regular succession in the direction of rotation of the disk, said disk having edges defining unbroken curves and connecting

the outer ends of the vanes of the respective groups, driving mechanism above the disk, and means connected to the disk between the groups for supporting and transmitting motion to the disk, and means for preventing back flow of liquid from the disk to the pipe, said means including an annular flange upstanding from the disk adjacent to the inner ends of the channels and above the level of the periphery of the disk, and a diffusing ring on the pipe and having a depending apron surrounding said flange, said disk being inclined upwardly and outwardly from the flanged portion to the periphery of the disk, said periphery being curved and connecting the outer ends of the vanes of each group and the outer end of the longest vane of the group to the inner end of the longest vane of the next group in advance thereof.

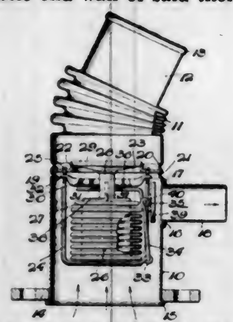
2,255,158
PASTE TUBE HOLDER AND DISPENSER
Tibor Furrier, Trona, Calif.
Application October 24, 1940, Serial No. 362,675
2 Claims. (Cl. 221—60)



2. In a device of the class described, a bracket having a pair of ears extending therefrom, an elbow-shaped tube, trunnions connected with the central part of the elbow-shaped tube and pivoted in the ears, the lower end of the elbow-shaped tube being enlarged and having a threaded socket therein for receiving the neck of a paste tube and a spring clip connected with the bracket and extending upwardly between the ears and having a teat thereon for closing the outlet end of the elbow-shaped tube when the same is in inoperative position.

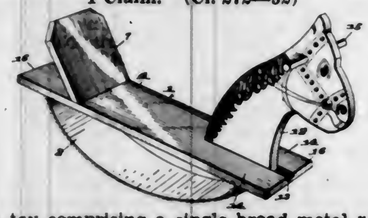
2,255,159
TEMPERATURE REGULATOR
Jean V. Giesler, Knoxville, Tenn., assignor to The Fulton Syphon Company, Knoxville, Tenn., a corporation of Delaware
Application November 15, 1939, Serial No. 304,620
2 Claims. (Cl. 236—34)

1. In a by-pass regulator for the cooling system of an internal combustion engine of the type which employs a thermostat, a support therefor, a main valve operated by said thermostat, a by-pass and a valve member for controlling the flow of cooling medium through said by-pass, means for operating the by-pass valve member from the thermostat including a bendable member, means for pivoting said member on said thermostat support, means on said bendable member providing a pivotal mounting for said by-pass valve member, and means for pivoting said bendable member to move said by-pass valve member with respect to said by-pass and then bending said member including means connected to the movable end wall of said thermostat and



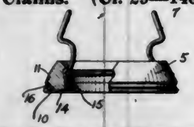
cooperating with the end of said bendable member.

2,255,160
ROCKER HORSE
Benjamin Gordon, Philadelphia, Pa.
Application January 15, 1941. Serial No. 374,565
1 Claim. (Cl. 272—52)



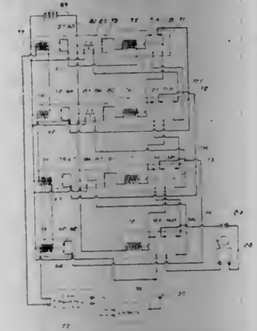
A toy comprising a single broad metal rocker adapted to rest directly upon a floor, the opposite ends of the rocker being provided with outturned flanges lying in the same horizontal plane, a single board forming a seat and resting on the flanges, a back rest extending upwardly from the seat, at an acute angle thereto and adjacent one end of said seat, one end of said seat, the upper free end of the back rest and an adjacent flange being each provided with a passage, a bolt received by the passages, means on the bolt for clamping the flange to the seat and for supporting the back rest in position, a hand-hold on the other end of the seat and means securing the hand-hold and other flange simultaneously to the seat.

2,255,161
GASKET FOR HOSE COUPLINGS AND METHOD OF RECONDITIONING THE SAME
Griffin W. Gray, Roanoke, Va., assignor of one-half to Charlie B. Wade, Roanoke, Va.
Application October 9, 1939, Serial No. 298,662
2 Claims. (Cl. 29—148.2)



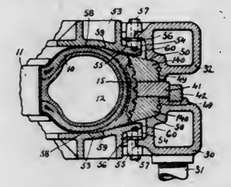
1. The method of reconditioning worn gaskets which consists in boring out the inner wall of the gasket to form an annular channel and cutting away the outer wall at the worn portion thereof to form an exterior circumferential seating groove having an undercut wall defining a stop shoulder, positioning a metallic repair plate having spaced integral upstanding inner and outer flanges over the seating surface of the gasket with the inner flange fitting within the channel and the outer flange extending within the circumferential groove and in contact with said stop shoulder, pressing the outer flange inwardly against the undercut wall of the circumferential groove and subsequently trimming the outer wall of the gasket to produce a substantially smooth surface at the junction of the pressed portion of the outer flange and the adjacent portion of said outer wall.

2,255,162
RADIO COMMUNICATION SYSTEM
Robert Winfield Hart, Lynn, Mass., assignor to Submarine Signal Company, Boston, Mass., a corporation of Maine
Application January 13, 1940. Serial No. 313,713
2 Claims. (Cl. 177—341)



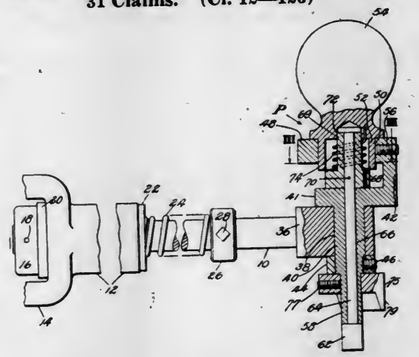
2. An alarm signal receiving system for selective response to a code of successive signal impulses of successively different frequencies arranged in a predetermined order comprising a plurality of relay circuits corresponding in number to the number of signal impulses in said code, each circuit including a resonant vibratory reed relay tuned to one of the frequencies in said code and having contacts adapted to be closed by the vibration of the reed upon energization of the relay by a signal of the respective frequency and a locking relay having an operating coil and first and second normally open contacts adapted to be closed when the relay coil is energized and said locking relays in each circuit except the first having third contacts normally closed and adapted to be opened when the relay coil is energized, the several relay circuits being arranged with the tuned reeds in the order of the frequencies of the code to which response is desired, a power source, a plurality of time-delay devices, one for at least all but the last of said relay circuits, said time-delay devices having operating coils and normally closed contacts adapted to be opened a predetermined time interval after the beginning of current flow through them, means connecting said reed-relay contacts, power source and time-delay device contacts of each circuit in series and in each circuit except the first also in series with said second contacts of the holding relay in the next preceding circuit, means connecting said power source, first locking relay contacts, locking relay operating coil and time-delay device operating coil of each circuit together in series and in each circuit except the last also in series with said third contacts of the locking relay in the next following circuit, alarm means in the last of said circuits and means for operating the alarm in response to operation of the locking relay in said last relay circuit.

2,255,163
RECAPPING VULCANIZER
James C. Heintz, Lakewood, Ohio
Application February 24, 1939, Serial No. 258,216
3 Claims. (Cl. 18—18)



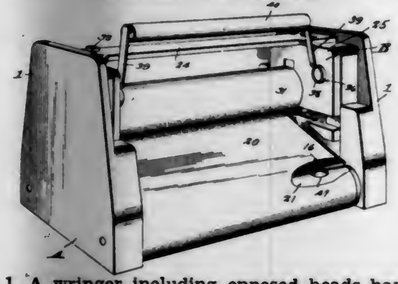
1. A tire retreading mold comprising a pair of annular platens forming a heater, a recapping matrix including members detachably mounted on the respective platens, said matrix having a transversely concave tread-molding cavity shaped to confine only the wearing surface of the tread, leaving its flanks exposed, and including marginal tread molding and sealing portions shaped to fit the old tread shoulders of the worn tire and form substantially flush seams or joints between the new and old rubber in said wearing surface, and a pair of non-vulcanizing side pressure rings fixedly mounted on the respective platens, having portions convergent radially outward and overlapping and laterally spaced from the matrix members to limit outward bulging of the shoulder flanks of a tire inflated against the matrix.

2,255,164
LAST JACK
Charles J. Gross, Melrose, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application June 14, 1940, Serial No. 340,483
31 Claims. (Cl. 12—123)



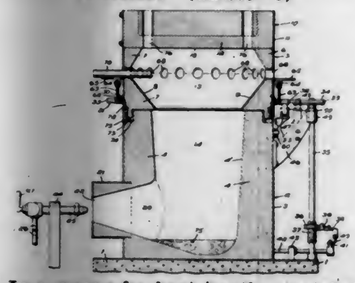
1. A device for holding a last comprising a support, a last pin mounted thereon upon which the last may be placed, and means for locking said last on the last pin, said last pin being rotatable about its own axis on the support, tiltable with the support about a horizontal axis, and movable in a horizontal plane with the support about a vertical axis whereby the last may be moved freely from one position to another.

2,255,165
WRINGER
John V. Gunn, Okmulgee, Okla., assignor of one-half to Antone Rego, Tulsa, Okla.
Application August 8, 1938, Serial No. 223,746
3 Claims. (Cl. 68—261)



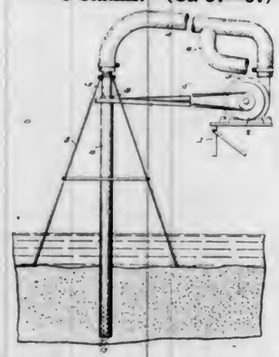
1. A wringer including opposed heads having recesses in their inner sides, rigid connections between the heads below the recesses, a lower expressing roll journalled between the heads below the recesses, blocks slidably mounted within the recesses, yielding means extending below the recesses and connected to the blocks for drawing the blocks downwardly within the recesses, a cross bar, bearing blocks carried thereby and movably connected to the respective slidable blocks in the recesses, an upper expressing roll journalled in the bearing blocks, and means for holding the bearing blocks against movement within the slidable block, said means including connected rings rotatably mounted within the respective slidable blocks, and arcuate keys extending from the rings, there being normally registering opposed recesses in each slidable block and the bearing block therein and each key being rotatable into position wholly within one of the recesses or into position in both of the matching recesses thereby to release the bearing blocks for movement relative to the sliding blocks or to fasten said blocks against relative movement.

2,255,166
MEANS FOR HEAT-TREATING METAL SHAPES
Stanley R. Hardwick, Providence, R. I., and Norman E. Scott, North Attleboro, Mass., assignors to Rhode Island Tool Co., Providence, R. I., a corporation of Rhode Island
Application July 15, 1940, Serial No. 345,486
4 Claims. (Cl. 266—5)



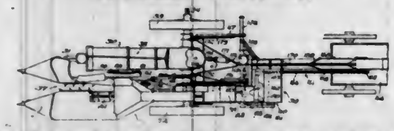
1. In a means for heat treating metal shapes, a furnace comprising fixed and rotatable sections having top and side walls enclosing a common elongated heating chamber the major axis of which is substantially vertical, that portion of the heating chamber located adjacent to the top wall thereof having a cross-sectional area materially greater than that of a portion of the chamber located immediately below the upper enlarged portion, a series of openings in the side wall of the rotating section at the level of the greatest internal cross-sectional area thereof, means adjacent said side openings for supporting a plurality of metal shapes within the chamber portion of enlarged cross-sectional area adjacent to the side wall thereof and outwardly of the inner face of the side wall of the lower restricted chamber portion, said top wall being provided with a series of spaced-apart flue openings located adjacent to said metal shape supporting means, and means for directing heated combustion gases into the heating chamber below the restricted portion thereof and in a direction transversely of the major axis of the chamber.

2,255,167
MINING APPARATUS
Oliver W. Hunn, New Philadelphia, Ohio, assignor of one-fourth to George E. Arnold, New Philadelphia, Ohio
Application December 18, 1940, Serial No. 370,715
5 Claims. (Cl. 37—57)



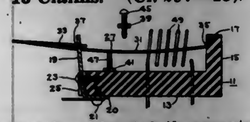
1. Mining apparatus including a stationary suction pipe having slots in one end portion, a rotatable suction pipe having a working fit on the stationary pipe, there being apertures in the lower end portion of the rotating pipe providing a screen surrounding the slotted portion of the stationary tube, a suction device connected to the stationary pipe, and means for rotating the apertured pipe.

2,255,168
CORN PICKER
Benjamin M. Hyman and Rector C. Fergason, Moline, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application May 27, 1938, Serial No. 210,464
38 Claims. (Cl. 56—18)



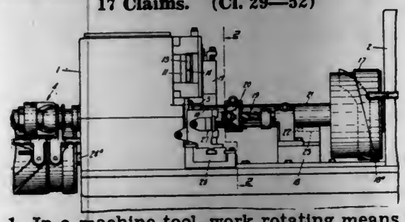
1. In combination, a tractor having a body and a rear axle extending from opposite sides thereof, a harvesting unit positioned at one side of the body over the rear axle, connecting means fastened to the rear side of the axle on each side of the body, supporting means fixed to the harvesting unit and including a cross member positioned beneath the axle, a first bracket on the same side of the body as the harvesting unit carrying the supporting means and fixed to the rear side of one of the connecting means with a portion in engagement with the upper side thereof, and a second bracket on the opposite side of the body also carrying the supporting means and fixed to the rear side of the other connecting means with a portion in engagement with the lower side thereof.

2,255,169
THERMAL RELAY
Murray Ireland, near Elgin, Ill., assignor to McGraw Electric Company, Chicago, Ill., a corporation of Delaware
Application June 21, 1939, Serial No. 280,284
13 Claims. (Cl. 297—15)



1. A snap-acting bimetal thermostat comprising a main part having a predetermined length and a shorter compensating part having one end secured to one end of said main part and extending toward the other end of the main part and discrete supporting means engaging the other end portions of said main and compensating parts and applying stresses of different character thereto which result in a bowed shape of the main part.

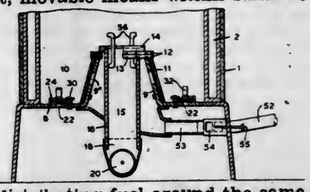
2,255,170
MACHINE TOOL
Elmer E. Kelley, Hartford, Conn.
Application September 15, 1939, Serial No. 294,991
17 Claims. (Cl. 29—52)



1. In a machine tool, work rotating means including a spindle, longitudinally reciprocable tool carrier means having a tool operative on work in said spindle, a rotatable cam shaft having a cam reciprocating said carrier through one complete cycle of operation with each rotation thereof, tool slide means movable transversely of said spindle and likewise operative on said work, a cam shaft rotatable at half the speed of said first mentioned cam shaft, and cam means on said second mentioned cam shaft for reciprocating said transversely movable tool slide positively through one complete cycle of operation for each corresponding cycle of operation of said tool carrier means.

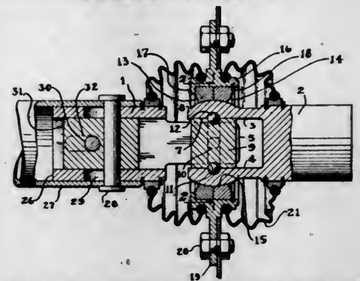
2,255,171
FURNACE AND STOKER
Virgil C. Kline, Floral Park, N. Y.
Application April 28, 1936, Serial No. 76,735
14 Claims. (Cl. 110—46)

1. In a furnace, an annular fire pot therein and an ash discharge opening, an underfeed stoker for supplying fuel to the lower portion of said fire pot, movable means within said fire pot



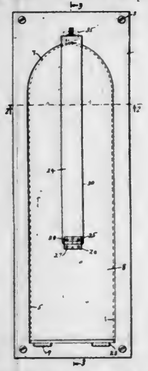
for evenly distributing fuel around the same and for agitating successive portions of said fuel periodically during normal operation of said stoker.

2,255,172
COMBINED UNIVERSAL JOINT AND BEARING
Corydon M. Johnson, Freeport, N. Y.
Application February 1, 1940, Serial No. 316,796
5 Claims. (Cl. 64—17)



5. A combined universal joint and bearing including shaft sections having forked ends, a block between said forked ends, said forked ends and block having complemental recesses therein, retaining elements loosely mounted in said complemental recesses, and a locking ring surrounding the forked ends to prevent the displacement of the retaining elements from the complemental recesses and to support the universal joint.

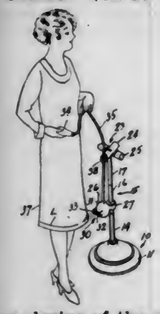
2,255,173
IRONING BOARD
Bruno Lauris Laursen, Dunedin, Fla.
Application June 14, 1939, Serial No. 279,136
5 Claims. (Cl. 38—129)



2. In a device of the class described, the combination of a substantially solid frame adapted to be mounted in a vertical position on a wall,

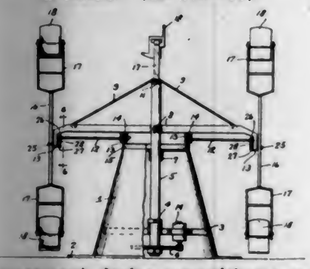
said frame being provided with an elongated opening extending from its front to its rear faces, a closure panel adapted to engage the front surface of said frame around the margin of said opening, one or more hinges arranged to pivotally connect the lower end of said closure panel to the frame in its closed position, a supporting leg having its lower end pivotally connected to said closure panel and a movable catch mounted on said frame and arranged to engage the upper end of said supporting leg to thereby retain the closure panel in position to conceal the opening in the frame.

2,255,174
SKIRT MARKER AND THE LIKE
Isaac Levin, Brooklyn, N. Y.
Application April 20, 1940, Serial No. 330,661
3 Claims. (Cl. 33—9)



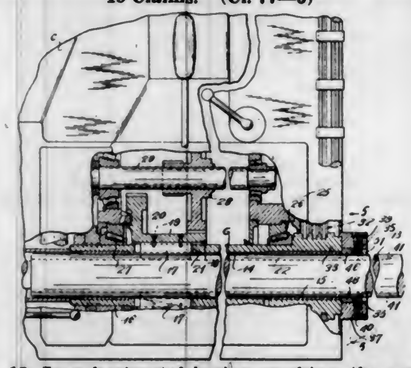
2. For use in a device of the nature described, a resilient flexible powder dispensing receptacle having integral therewith a flat spout extending forwardly therefrom, the spout being slit along its outer end, the slit dividing the mouth into normally closed lips, and air pressure means opening into the interior of the receptacle for forcing air into the receptacle to open the mouth upon the application of pressure to the said means and expel the powder through the said mouth, the lips returning to a closed position when the pressure is released.

2,255,175
AMUSEMENT DEVICE
Cortez Lorow, Tampa, Fla.
Application December 22, 1939, Serial No. 310,658
1 Claim. (Cl. 272—36)



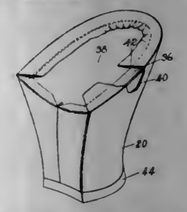
An amusement device comprising a substantially conical shaped casing, an annular rack secured to its upper edge, a centrally disposed bearing within the casing adjacent its lower end, a perpendicular shaft extending through the bearing with its outer end terminating above the rack, a collar fixed on the shaft and seated on the bearing, an enlarged gear secured to the inner end of the shaft below the bearing, a motor supported within the casing in close proximity to the shaft, radially disposed arms formed on the shaft above the rack and having their outer ends slanting downwardly, depending bearings at the extremities of the slanting ends of the arms, stub-shafts journalled in the depending bearings, a supporting bar fixed to the outer ends of the stub-shafts, fork-shaped yokes formed on the free ends of the arms, chairs pivotally disposed between the yokes adjacent their outer extremities, a sprocket gear secured to the inner end of each stub-shaft, a radially extending shaft supported beneath each arm, a gear on the inner end of each shaft meshing with the rack, a sprocket gear on the outer end of each shaft, a chain connecting the sprocket gear of each stub-shaft to the sprocket gear of each radially extending shaft and braces connecting the arms to the top of the perpendicular shaft.

2,255,176
HORIZONTAL BORING MACHINE
Henry M. Lucas and Hallis N. Stephan, Cleveland Heights, Ohio, assignors, by mesne assignments, to The Lucas Machine Tool Company, Bratenahl, Ohio, a corporation of Ohio
Application December 7, 1939, Serial No. 308,022
15 Claims. (Cl. 77—3)



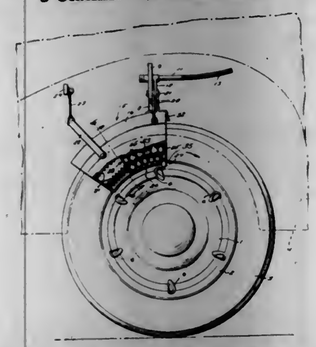
15. In a horizontal boring machine, the combination of a spindle head, a tubular spindle quill assembly having an internal annular groove adjacent to the front end thereof, means for rotatably supporting said spindle quill assembly in said spindle head, a tool spindle slidably supported in said spindle quill assembly with the forward end thereof projecting from said spindle quill assembly, said tool spindle having a longitudinally extending keyway therein, a plurality of segmental members in said annular groove each having V-shaped apertures in one end thereof including a slot extending towards the other end of the segmental member, wedge members located between said segmental members adapted to expand the ends of said segmental members having the apertures therein in engagement with said spindle quill assembly and said tool spindle for clamping the same together, means for moving said segmental members circumferentially to expand the ends thereof having said slots therein, annular wiper means carried by said spindle quill assembly in advance of said segmental members, means for yieldably urging said annular wiper means into continuous contact with the exterior of said spindle, a second wiper means carried by said spindle quill assembly adjacent to said annular wiper means and projecting into said keyway, and means for yieldably urging said second wiper means into continuous contact with said spindle.

2,255,177
HEEL
Horatio S. Lyness, Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J.
Application October 5, 1939, Serial No. 298,067
3 Claims. (Cl. 36—34)



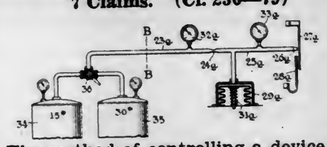
1. A rigid heel having secured to its rear and side faces a cover a margin of which is inturned upon and secured to the attaching face of the heel, said heel having a thin strip of resilient conformable material interposed between the margin of its attaching face and a portion of the inturned cover margin, said strip extending to but not substantially beyond the rim of said attaching face and being adapted to force, during the attachment of the heel to a shoe, the cover of the heel outwardly toward a break line of the counter of the shoe thereby closing any open gap which otherwise would appear between the counter portion of the finished shoe and its attached heel.

2,255,178
SKID CHAIN APPLIER
John R. Machain, Pottstown, Pa.
Application March 18, 1941, Serial No. 383,999
3 Claims. (Cl. 152—214)



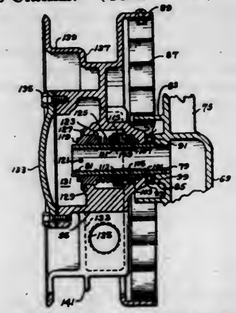
1. Means for applying skid chains to a tire on a vehicle wheel, comprising a housing, for the reception of a plurality of chains, for suspension above the tire, said housing including a pair of hingedly connected sections for straddling the tire, a spring actuated follower in the housing, for feeding the chains toward the front end thereof, and hooks on the wheel engageable with the end portions of the forwardmost chains for successively pulling said chains from the housing and securing said chains in position across the tire.

2,255,179
AUTOMATIC CONTROL OF ATMOSPHERIC CONDITIONS
Fabian C. McIntosh, Pittsburgh, Pa., assignor to Johnson Service Company, Milwaukee, Wis., a corporation of Wisconsin
Application February 14, 1938, Serial No. 190,508
7 Claims. (Cl. 236—79)



1. The method of controlling a device for conditioning the atmosphere which comprises causing pressure fluid to flow serially through two orifices; causing the fluid pressure intermediate said orifices to regulate said device; varying the relative flow capacity of said orifices in accordance with an atmospheric condition to vary said regulatory fluid pressure; and simultaneously varying the pressure at which fluid is supplied to the first orifice, and thereby varying the rate of flow through such orifice, according to another atmospheric condition, such variation being through a range sufficiently great to modify said regulatory pressure and the range of variation being above a minimum value sufficiently high to insure continuous regulatory action.

2,255,180
CONCEALED HOSE DISPENSING APPARATUS
Harvey E. Marvel, Fort Wayne, Ind., assignor to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind., a corporation of Indiana
Application November 26, 1938, Serial No. 242,553
6 Claims. (Cl. 242—86)

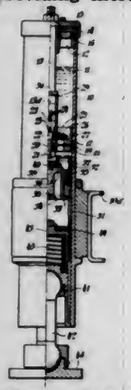


1. In a liquid dispensing apparatus comprising a housing, a hose reel supported in said housing to one side of a central plane therethrough, a hose stored on said reel, an opening in said housing adapted to permit withdrawal of the hose from said reel, and disposed so as to be substantially bisected by said plane, a set of substantially cylindrical rolls having large diameters mounted at the upright edges of said opening, and a set of substantially cylindrical rolls disposed between said opening and said reel and displaced from a central position with respect to said plane toward the hose reel side thereof.

2,255,181
SUSPENSION SYSTEM FOR VEHICLES
Noel Banner Newton, Acton, London, England
Application September 30, 1940, Serial No. 359,040
In Great Britain February 20, 1939
14 Claims. (Cl. 267—64)

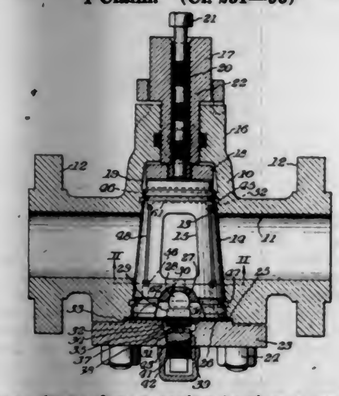
1. A spring suspension system for vehicles com-

prising in combination a cushion member and a fluid type shock absorber arranged for the cushion member to support a load through the medium of a non-compressible fluid in the shock absorber, the shock absorber having relatively movable parts providing displacement of the fluid towards and away from the cushion and a flow restricting valve providing increased restriction



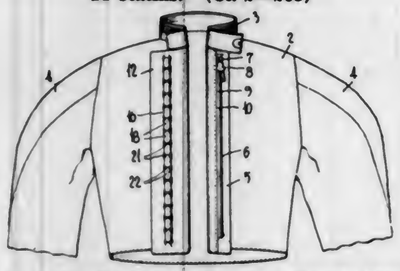
to flow away from the cushion and an auxiliary reservoir with cushion member therein connected to the shock absorber for flow of fluid by pressure difference between the shock absorber and the auxiliary reservoir, adjustable flow control means between them and stop means positively limiting the yield of the cushion member in the auxiliary reservoir.

2,255,182
HIGH TEMPERATURE VALVE
Sven J. Nordstrom, Lafayette, Calif., assignor to Merco Nordstrom Valve Company, Pittsburgh, Pa., a corporation of Delaware
Application September 27, 1938, Serial No. 231,906
1 Claim. (Cl. 251—93)



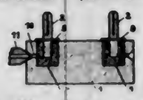
In a plug valve, a casing having a passageway therethrough for flow of fluid and a tapered bore transversely of the passageway, a tapered plug having a port therethrough seated in said bore, a lubricant chamber at the smaller end of said plug, a plurality of spaced longitudinal grooves on said plug terminating short of both the larger and smaller ends of said plug, a circumferential lubricant groove in said bore at the smaller end of said plug, said groove being spaced from said chamber and the adjacent ends of said longitudinal grooves, a passage providing continuous communication between said circumferential groove and said chamber, short grooves in said bore communicating said circumferential groove with all of said longitudinal grooves in substantially fully open and closed positions of said valve only, a second circumferential groove in said bore at the larger end of said plug and spaced from the adjacent ends of said longitudinal grooves, further short grooves in said bore communicating said second circumferential groove with all of said longitudinal grooves in substantially fully open and closed positions of said valve only, and a valve operating stem extending through said casing into said chamber operatively connected to the smaller end of said valve.

2,255,183
ADJUSTABLE MOUNTING FOR FASTENERS
Adolph Ostwald, New York, N. Y.
Application April 22, 1939, Serial No. 269,509
14 Claims. (Cl. 2—265)



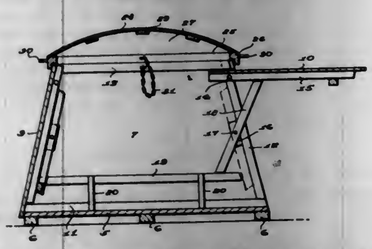
1. An adjustable fastener for joining flexible sheet materials comprising an elongated, non-rigid receptor, said receptor having a partially closed mouth channel, with at least one open end, extending along the length thereof, said receptor being formed of a plurality of rigid elements defining said channel and said mouth and articulating means supporting said elements in series, and a non-rigid insert engageable within said channel, said insert being adapted and arranged, with respect to the first-named means, to be slid into said channel only from the open end thereof.

2,255,184
METHOD OF BONDING METAL TO INSULATION
Werner Osenberg, Dresden, Germany
Application January 22, 1938, Serial No. 186,284
1 Claim. (Cl. 18—59)



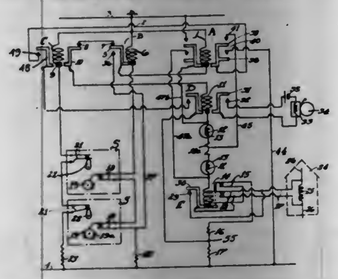
A method of affixing to an insulating body a metal piece with an outwardly protruding shank and an inwardly extending stud, by supporting said metal piece by means of a closure plate thereabout, rigid therewith and superposed over and closing the mouth of a well in the face of said insulating body and of diameter considerably greater than that of said stud and accommodating the latter with considerable clearance and thereupon introducing under pressure into a small bore leading into said otherwise completely closed well a jet of hot binding medium in liquid state completely to fill said well, whereby upon setting thereof, said stud will be completely embedded and permanently fixed in the position in which it was originally supported from the mouth of said well.

2,255,185
HOG HOUSE
Joe Phalen, Chatsworth, Ill.
Application November 26, 1938, Serial No. 242,593
1 Claim. (Cl. 119—16)



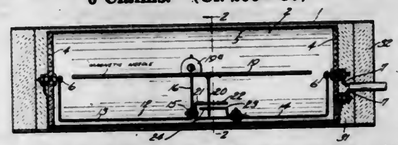
A hog house comprising a floor, a pair of end walls, a pair of side walls pivoted adjacent the upper edges thereof to the end walls for swinging outwardly and upwardly into substantially horizontal position, a pair of horizontal rails adjacent the end walls, respectively, mounted on said floor in elevated position, and a pair of props for each side wall for propping the same in upwardly swung position, said pairs of props being pivoted on the end walls for swinging into and from propping position and engaging the tops of said rails in the propping position thereof to establish said position.

2,255,186
ALARM SIGNAL SYSTEM
Clark Pool and Hugo F. Cypser, Brooklyn, N. Y., assignors to Signal Engineering & Manufacturing Company, New York, N. Y., a corporation of Massachusetts
Application May 18, 1938, Serial No. 208,614
6 Claims. (Cl. 177—369)



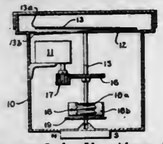
4. In an electric signalling system, the combination with transmitting stations, each providing independent sets of normally closed contacts, signals, a trip coil for the sending station of a separate system, a relay for energizing said trip coil, and a circuit controller for operating said signals, of means responsive to the actuation of a station to open one set of contacts to cause energization of said controller and operation of said signals, other means normally responsive to actuation of a station to open the other set of station contacts and cause operation of said trip coil energizing relay and key-operated means to permit actuation of a station without opening of said last-named contacts.

2,255,187
MAGNETIC SWITCH MEANS
Herman Reasoner, Delphos, Ohio, assignor to The Real Signal Company, Delphos, Ohio, a corporation of Ohio
Application October 26, 1940, Serial No. 362,930
6 Claims. (Cl. 200—87)



1. In a device of the class described, an electric circuit having an electrically operated translating device therein, a mount, a normally open electric switch in said circuit having a suspended contact member and a stationary member operable to make contact to close the circuit, the stationary member having an opening through which the suspended member projects normally free from contact with its side walls, and movable means from which said first member is suspended for swinging movements therewith and relative thereto, said last means being responsive to predetermined changes in the surrounding magnetic field to move said suspended member into engagement with one or the other of opposed side walls of said stationary member opening, and means fixed relative to said stationary member normally free from contact with said suspended member and having fulcruming engagement with the suspended member to cause it to rock thereabout during a movement of the suspended member into contact with the stationary member.

2,255,188
MEASURING INSTRUMENT FOR AIRCRAFT
Gerhard Rieper, Berlin-Lichterfelde, Germany, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany, a corporation of Germany
Application December 20, 1938, Serial No. 246,889
In Germany February 3, 1938
1 Claim. (Cl. 116—129)

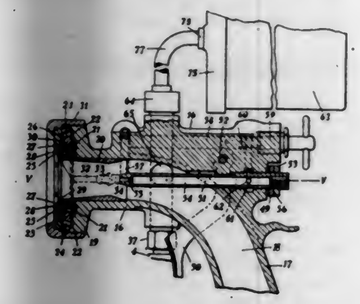


A measuring and indicating instrument comprising means responsive to changes in the magnitude of the quantity being measured, indicating means comprising a disc having a radial slot therein, a screw-threaded guide having a shaft coaxial with said disc, a helix mounted upon said shaft adjacent said disc, and means connecting said change responsive means to said shaft for actuating said helix to move it through the radial slot in said disc to form an indicating area which increases or decreases in size in proportion to an increase or decrease of the quantity being measured.

2,255,189
SPRAYING APPARATUS FOR CEMENT, PAINTS, AND OTHER LIQUIDS AND SUBSTANCES
Victor Snow Robinson and Eric Victor Robinson, Wallington, England
Application July 22, 1937, Serial No. 154,954
In Great Britain July 22, 1936
4 Claims. (Cl. 91—45)

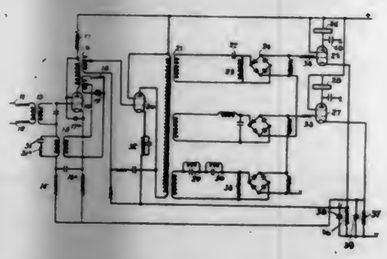
1. Apparatus for spraying solids comprising in

combination a gun having a centrally disposed main bore, a choke tube disposed within the nozzle end of said main bore, an ejector nozzle disposed coaxially within and to the rear of the choke tube, means for supplying a cloud of finely divided solid material to said main bore, a plurality of liquid atomising nozzles disposed concentrically around the forward end of the nozzle



of the main bore, and directed to a common focal point in front of the gun on the axis of said main bore, means for supplying air to said liquid atomising nozzles, means for supplying air to the ejector nozzle, means for regulating the air supply, means for regulating the liquid supply, a trigger on said gun provided with means adapted to coact with said air and liquid regulating means.

2,255,190
VARIABLE AMPLIFYING DEVICE
Leonard Ernest Ryall, Pinner, England
Application January 27, 1940, Serial No. 316,015
In Great Britain February 18, 1939
11 Claims. (Cl. 179—84)

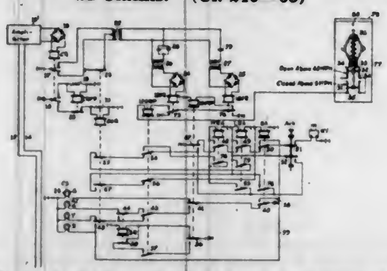


1. An amplifying circuit for receiving alternating current signals, comprising an amplifying device having an input and an output circuit, a path from said output circuit to said input circuit including an impedance device variably controlled by current in the output circuit, and a device tuned to a frequency outside the range of frequencies to be received, the arrangement of said impedance device and said tuned circuit being such that when no signals are being received the amplifying device oscillates at a frequency determined by said tuned device and that when signals are being received the current fed back over said path causes the oscillation to cease and the amplification of the stronger signals to be reduced as compared with the amplification of the weaker signals.

2,255,191
PRESERVING MATERIALS
Theodor Sabalitschka, Berlin-Steglitz, and Erich Böhm, Cardiff, Wales; said Sabalitschka assignor to Heyden Chemical Corporation, a corporation of Delaware
No Drawing. Application August 18, 1939, Serial No. 290,926. In Germany August 18, 1938
7 Claims. (Cl. 260—398.5)

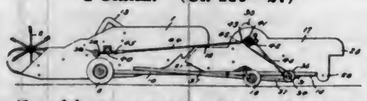
1. In the stabilization of high-molecular fatty acids, animal and vegetable fats and oils and fish oils subject to autoxidation with the formation of peroxides, the process which comprises adding to such a material, in a quantity sufficient to prevent oxidation thereof, at least one low molecular ester of gallic acid selected from a group consisting of the methyl, ethyl, propyl and butyl esters of gallic acid.

2,255,192
CODED CONTINUOUS TRAIN CONTROL AND CAB SIGNALING SYSTEM FOR RAILROADS
Percy W. Smith, New York, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application June 17, 1939, Serial No. 279,663
21 Claims. (Cl. 246—63)



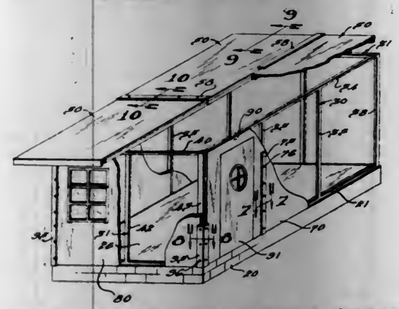
16. In a coded continuous train control system, in combination, means to place coded energy on the trackway in accordance with traffic conditions ahead, a car carried cab signal, decoding means, and a speed responsive device associated with the decoding means for controlling the signal in accordance with the coded energy and the car speed, to give the same signal restriction under conditions of relatively high speed and relatively long distance behind a forward occupying car, and relatively low speed and relatively short distance behind the forward occupying car.

2,255,193
THRESHING APPARATUS
James Boone Steelman, Fayetteville, Tenn.
Application September 3, 1940, Serial No. 355,255
1 Claim. (Cl. 130—27)



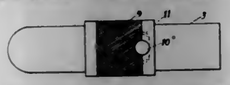
In threshing apparatus the combination with a main thresher including a cylinder and concave and having a straw outlet and a grain hopper and outlet, and a wheel-supported axle for the main thresher, of a supplemental thresher hingedly connected to the axle for up and down swinging movement, said supplemental thresher being held against lateral swinging movement relative to the main thresher, a supporting caster connected to the supplemental thresher, said supplemental thresher including a hopper positioned to receive straw from the outlet of the main thresher, said hopper surrounding the straw outlet and said outlet opening downwardly into the hopper, said supplemental thresher including a cylinder and a concave, means in the supplemental thresher for elevating material from said hopper to the concave, said supplemental thresher having a grain outlet, a tubular flexible connection between said grain outlet and the grain hopper of the main thresher, means for forcing grain from said outlet through the connection to the grain hopper of the main thresher, and means operating independently of the relative movement of the threshers for transmitting motion between the cylinders.

2,255,194
BUILDING CONSTRUCTION
William B. Stout, Detroit, and Frank M. Smith, Dearborn, Mich., assignors to Stout Engineering Laboratories, Inc., Dearborn, Mich., a corporation of Michigan
Application August 1, 1939, Serial No. 287,804
3 Claims. (Cl. 189—1)



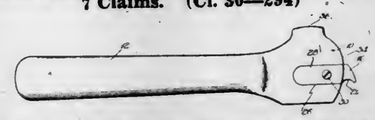
1. A housing structure having a framework composed of a plurality of separate prefabricated frames, each of said frames comprising top and bottom tubular members and end members interconnecting said top and bottom tubular members, one of said end members being of tubular form of substantially square cross-section, the other end member being of angle section adapted to mate with the tubular member on the next adjacent frame member.

2,255,195
BALL JOINT
René Tampier, Cricklewood, London, England
Application May 31, 1940, Serial No. 338,216
In Great Britain April 16, 1940
4 Claims. (Cl. 287—90)



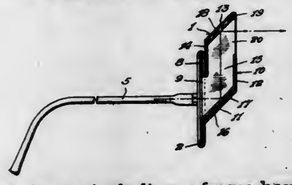
1. In a ball joint, a casing, a ball located in said casing, a torsion spring, a member actuated by said torsion spring to exert pressure on the ball to retain it in the casing, a ring on the casing directly connected to said member and adapted to rotate said member against the action of the torsion spring to release the retaining pressure exerted by the said member on the ball, to permit it to be removed from the casing, and a locking device mounted on the casing and cooperating with the ring to prevent any follow-up movement, consequential on wear of the ball, of the member exerting pressure on the ball, the said member being locked in a position determined by the locking member.

2,255,196
CUTTING TOOL
Eural Wade Taylor, Denton, Tex.
Application March 22, 1938, Serial No. 197,344
7 Claims. (Cl. 30—294)



1. A tool of the kind described, comprising a head and a relatively massive handle, said head having a cutting point projecting therefrom on the side opposite said handle and being provided with a surface for striking the same between said handle and said point.

2,255,197
PERISCOPE
Roy E. Thomas, Steubenville, Ohio
Application March 23, 1939, Serial No. 263,705
3 Claims. (Cl. 88—41)



3. A periscope including a frame having frame members, means connecting the frame members, housings associated with the frame members and having plates rotatable therein, said plates having openings communicating with the housings, said housings having housing frames, reflecting surfaces carried by the housing frames, and means carried by the first-mentioned frame for positioning the periscope in front of the eyes of a user, said housings being shiftable from an inoperative position to a position for reflecting an image past an obstruction in a normal line of vision.

2,255,198
MULTIPLE BREAK GAS BLAST CIRCUIT BREAKER
Hans Thommen, Baden, Switzerland, assignor to Aktiengesellschaft Brown, Boveri, & Cie., Baden, Switzerland, a joint-stock company
Application March 25, 1941, Serial No. 385,170
In Switzerland March 9, 1940
7 Claims. (Cl. 200—148)

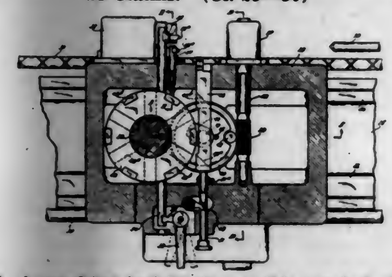
1. A multiple break gas blast circuit breaker of the type including a plurality of sets of cooperating arcing contacts arranged electrically and spatially in series, terminal connections for an electrical line at the outer contacts of said serially arranged sets, one contact of each set being movable by pressure gas to separate that contact from the cooperating contact and one contact of each set being a nozzle contact through which the pressure gas escapes as an arc-extinguishing gas upon the separation of the cooperating contacts, characterized by the fact that the sets of arcing contacts at each end of the series include means for establishing through the nozzle contacts thereof arc-extinguishing blasts

of greater power rupturing capacity than the arc-extinguishing blasts established through the noz-



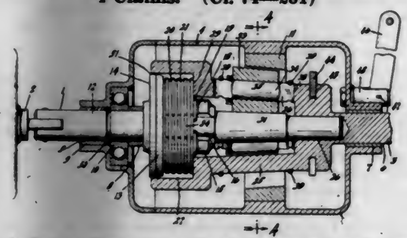
zle contacts of the intermediate sets of arcing contacts.

2,255,199
MACHINE TOOL
John J. N. Van Hamersveld, Cleveland Heights, Ohio, assignor to The Warner & Swasey Company, Cleveland, Ohio, a corporation of Ohio
Application February 6, 1939, Serial No. 254,795
23 Claims. (Cl. 29—50)



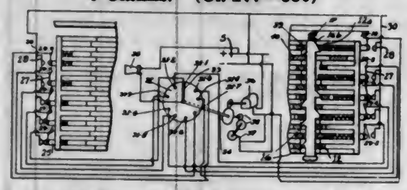
1. A machine tool having a slide, an indexible member supported by the slide, and power operated mechanism for indexing said member and including a normally inactive electric motor and switch means for rendering said motor active to index the indexible member, said motor and said switch means both being carried by said slide.

2,255,200
TRANSMISSION
Frederick G. Wahl, Detroit, Mich.
Application August 2, 1940, Serial No. 350,033
4 Claims. (Cl. 74—281)



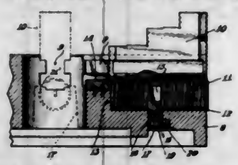
1. In a device for transmitting power, the combination of a driving shaft, a driven shaft, a friction clutch for effecting a drive of the driven shaft, said friction clutch being releasable by relative axial movement of the shafts in one direction, and alternate means for driving the driven shaft in the same direction comprising a fixed race element, a second race element fastened to one of said shafts, a carriage fastened to the other of said shafts, a roller element rotatably mounted in the said carriage and adapted to roll on the surfaces of the race elements whereby the driven shaft is rotated, said alternate means being releasable by relative axial movement of the shafts in a second direction.

2,255,201
CODE SETTING DEVICE FOR SIGNAL SYSTEMS
John H. Wheelock, Fitzwilliam, N. H., assignor to Signal Engineering & Manufacturing Company, New York, N. Y., a corporation of Massachusetts
Application April 8, 1938, Serial No. 200,943
6 Claims. (Cl. 177—380)



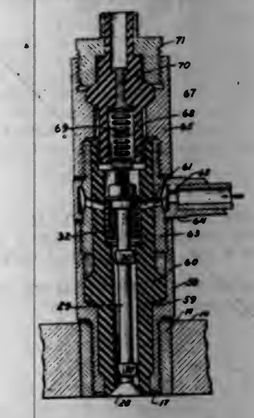
1. A code setting device comprising code composing elements of identical shape and size, each element having a slot therein which is offset with respect to a center line, other composing elements of the same shape and size as said first-named elements, each element having a slot therein which is symmetrical with respect to a center line, means for mounting said composing elements, one behind the other in a series with their peripheries in alinement for independent shifting movement, whereby a common alined slot is formed with the offset slot ends of said first-named elements projecting into the common slot from either side of the slot axis, and a code setting member movable in the common slot and having shifting portions for said composing elements equidistant from the axis of said common slot, whereby upon movement of said code setting member in said common slot, said off-set element will be shifted to compose the code, in cooperation with said symmetrical slot elements which remain stationary.

2,255,202
LATHE CHUCK
Lucius E. Whiton, New London, Conn.
Application December 29, 1937, Serial No. 182,197
2 Claims. (Cl. 279—112)



1. A lathe chuck body having recesses with radial jaw-adjusting screws and a tapered recess intersecting each screw recess, a set of thrust plates in each tapered recess engaging the respective screws and a cast metal filler anchoring each set of thrust plates in its recess, the thrust on said plates being normal to their thickness and the plates being capable of rearrangement to take up wear on an end plate.

2,255,203
FUEL INJECTION SPARK PLUG
Francis J. Wiegand, Ridgewood, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York
Application February 28, 1940, Serial No. 321,157
11 Claims. (Cl. 123—169)



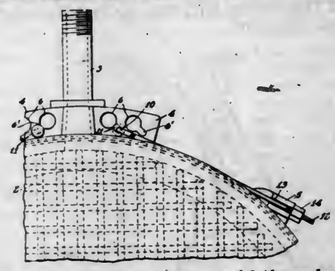
1. A combined spark plug and injection valve device for engines comprising an outer shell adapted to be secured to an engine cylinder and constituting a grounded electrode, a refractory insulating sleeve therein, including a valve seat at its inner end, a valve engageable with said seat and constituting an inner electrode, said valve including a spring-loaded stem extending into said sleeve, means to feed liquid fuel to the sleeve hollow, and electrical conducting means contacting said valve stem.

2,255,204
METAL POWDER
George E. Best, Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application September 28, 1940, Serial No. 358,931
9 Claims. (Cl. 75—0.5)

1. A free-flowing brass powder of relatively high apparent density comprising rounded particles of brass produced by atomizing molten brass containing from about 0.05% to about 1% phosphorus.

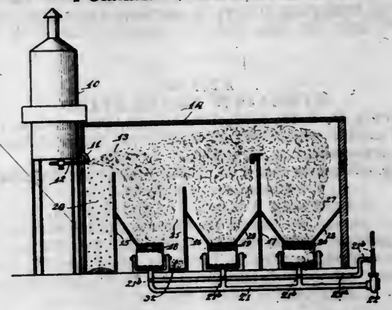
2,255,205
FILTERING ELEMENT
Claude François Albert Chamouton, Paris, France, assignor to Societe de Constructions Mecaniques de Stains, a corporation of France
Application March 17, 1938, Serial No. 196,550
In France March 18, 1937
5 Claims. (Cl. 210—195)

1. A filtering element comprising a rim having a peripheral groove therein, a disc of a filtering medium on at least one face of the rim and having the marginal portion thereof disposed in said groove, a binding disposed in said groove and on said marginal portion, said binding having a button on one end thereof and a threaded portion adjacent the other end thereof, said binding being wound in said groove and extending over at least the entire circumference thereof, means disposed on said rim to cooperate with the button end of the binding, means disposed on the rim permitting a nut to cooperate with said threaded portion to exert an adjustable tension on said



binding, and a nut screwed on said threaded portion.

2,255,206
APPARATUS FOR PROVIDING UNIFORMLY GRADED FIBROUS MATERIALS
James K. Duncan, Chicago, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application July 13, 1938, Serial No. 219,067
4 Claims. (Cl. 209—135)

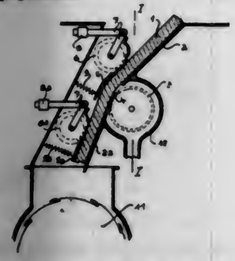


1. In an apparatus for producing mineral wool, the combination of an enclosed chamber, a plurality of substantially perpendicular partitions adjacent to the bottom of the chamber forming a plurality of compartments therein, means for introducing a gaseous suspension of mineral wool fibers into the top of the chamber in a flowing stream transverse to and over the top of the partitions, means for collecting said fibers in the compartments, separate conveyor means for removing said fibers from the compartments, and suction means applied to said conveyor means for removing the gas from said enclosed chamber through the separate compartments at controllable predetermined rates.

2,255,207
TREATMENT OF WHALE BLUBBER, SKINS, AND THE LIKE
Philipp Lorenz Fauth, deceased, late of Wiesbaden-Dotzheim, Germany, by Wilhelm Fauth, administrator, Wiesbaden-Dotzheim, Germany, assignor to Fauth Patent A.-G., Luxemburg, Luxemburg, a corporation of Luxemburg
Application April 19, 1939, Serial No. 268,700
In Germany March 3, 1938
3 Claims. (Cl. 146—130)

1. A method of treating strips of whale blubber having a convex side carrying a layer of black pigment, said method comprising the steps of bending successively said strip in the direction

of said convex side to provide flat transverse surfaces at the line of the bend, and milling each of said transverse surfaces to remove said layer of black pigment.



2. A device for treating strips of whale blubber having convex sides carrying a layer of black pigment, said device comprising a feed slide consisting of two slide portions extending at an obtuse angle, a gap being formed between said slide portions, whereby a strip of whale blubber located upon said slide portions and across said gap will be bent to follow said obtuse angle, and a milling device situated within said obtuse angle adjacent to the apex of said angle and having teeth engaging the strip portion extending over said gap on the convex side of the strip.

2,255,208

HYDRAULIC BRAKE FLUID

Harvey R. Fife, Mount Lebanon, Pa., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York

Application April 15, 1939, Serial No. 268,100
7 Claims. (Cl. 252—79)

7. A hydraulic brake fluid comprising, by volume, about six parts of a homogeneous mixture of polypropylene glycol with the polypropylene glycol mono-esters of the fatty acids derived from castor oil, about three parts of monopropylene glycol, and about eleven parts of butanol.

2,255,209

METHOD OF MANUFACTURING ELECTRIC HEATING PLATES

Karl Fischer, Oberderdingen, Wurttemberg, Germany

Application June 10, 1939, Serial No. 278,447
In Germany March 3, 1937
2 Claims. (Cl. 219—37)



1. A method of manufacturing grooved electric heating plates, said method comprising pouring a comparatively loose comminuted insulating material into the grooves of a plate to fill said grooves with said material, forming a wedge-shaped furrow with its base at the top and with upwardly convex flanks in the insulating material in each groove without compressing the material at the bottom and at the sides of the groove and while consolidating to a slight extent only that part of the material which is situated adjacent to the open end of the grooves, inserting a heating wire in the furrow, covering the wire with an additional quantity of loose comminuted insulating material, and then compressing the entire insulating material in one pressing operation.

2,255,210

PROCESS FOR THE RECOVERY OF TUNGSTEN

John J. Furey, Niagara Falls, N. Y., assignor to Electro Metallurgical Company, a corporation of West Virginia

No Drawing. Application April 22, 1939, Serial No. 269,468
4 Claims. (Cl. 23—19)

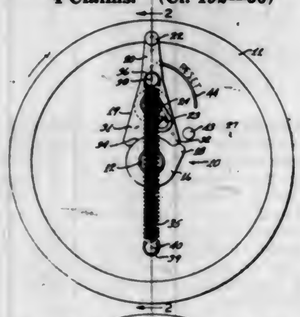
1. Method of recovering tungsten from an ore material containing tungsten and molybdenum which comprises reacting the material with hydrochloric acid in the presence of an added metal which slowly reacts with said acid to liberate hydrogen, and separating tungstic acid from the molybdenum-containing solution so formed.

2,255,211

LOAD LIMITING CLUTCH

Sever C. Gebert, Oak Park, Ill., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois

Application March 18, 1940, Serial No. 324,523
4 Claims. (Cl. 192—56)



1. In a load limiting device of the character described, comprising in combination with rotatable driving and driven members, a clutch element on said driven member, a clutch pawl on said driving member, capable of both pivotal and bodily movements relative thereto, said pawl being adapted for clutching engagement with said clutch element upon positionment of the pawl radially of said driving member, a spring between said pawl and driving member, arranged so as to be effective to releasably urge said pawl radially of said driving member into clutching engagement with said clutch element and to maintain said clutching engagement to a predetermined load limit, said clutch element being adapted for causing at said load limit, partial pivotal and bodily movements of said pawl to effect disengagement of the pawl relative to said element, said partial movements of the pawl serving to displace said spring such that the spring thereafter serves to quickly complete the pivotal and bodily movements of the pawl to fully disengage the pawl from the clutch element at said load limit, and means on said pawl by which the pawl may be returned to said position for clutching engagement with said element under the loading of said spring, to restore the driving connection to said driven member.

2,255,212

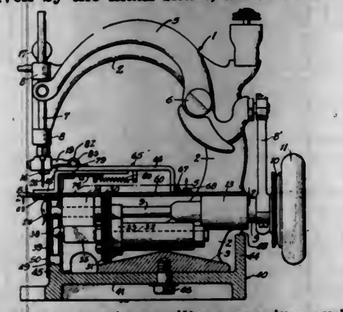
BUTTON SEWING MACHINE

Meyer Gershbein, Chicago, Ill.

Application August 18, 1939, Serial No. 290,827
2 Claims. (Cl. 112—111)

1. Apparatus of the class described comprising

an open top box, a sewing machine having a base resting on the bottom of the box and swivelled in place to permit turning of the machine as a unit about a vertical axis, said machine including a head extending from the base outwardly of the box and including a vertically reciprocating needle above the box, a rotatable main shaft carried by the portion of the machine within the box, a looper carried by the machine below the top of the box and driven by the main shaft, auxiliary speed reducing gearing carried by the machine and driven by the main shaft, an eccentric con-



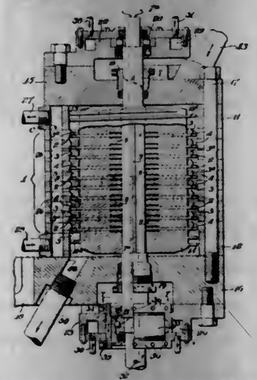
nection between said auxiliary gearing and one wall of the box whereby upon rotation of said gearing the eccentric connection reacts against the wall of the box to oscillate the machine as a unit in the box about its vertical axis, means secured to the top of the box for holding a piece of cloth and a button superimposed thereon and both stationary between the needle and the looper, whereby alternate strokes of the needle pass through one button hole and the remaining strokes pass through another button hole as the machine oscillates during the sewing operation.

2,255,213

APPARATUS FOR THE DISINTEGRATION OF MATERIALS

Frederick C. Good, Philadelphia, Pa.

Application February 15, 1939, Serial No. 256,603
1 Claim. (Cl. 83—93)



An apparatus for the homogenization of material, comprising; a plurality of annular members rigidly locked axially together in adjoining relationship to form a unitary body, each of said members consisting of an inner cylindrical impact wall portion and a radially inwardly projecting flange portion, said wall and flange portions being relatively disposed at substantially right angles to each other; a row of longitudinally oriented openings with countersunk inlets formed in the flange portion of each of said members; a rotor within the unitary body comprising rotor plates contacting and interspersed with round spacer disks, each plate having peripherially extending teeth arranged in radial alignment with respect to the impact wall portion of the annular member and disposed to closely sweep past the row of openings in the flange portion of the annular member, the spacer disks having a diameter only slightly less than the internal diameter of the radially projecting flanges of the annular members; the spacing between the disks and annular members substantially confining the flow of material treated to paths through the openings in the flanges, the teeth of the rotor plates shearing the material passing through the openings and hurling the sheared material against the impact wall portions.

2,255,214

PISTON ARRANGEMENT FOR RADIAL ENGINES

Willard B. Goodman, Radburn, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York

Application December 9, 1939, Serial No. 308,456
5 Claims. (Cl. 123—55)



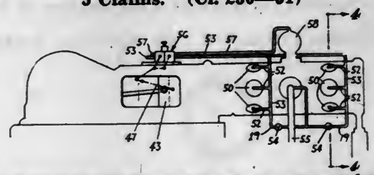
1. In an engine having adjacent cylinders angularly disposed with the adjacent cylinder ends in close proximity, pistons in respective cylinders having their lower skirt ends arranged to protrude from the cylinder ends in certain periods during operation, and means to prevent interference of the pistons with one another comprising interlocking lands and grooves thereon, said lands bearing on the cylinder walls when the piston is raised in the cylinder to provide in effect full piston length engagement with the cylinder to attain minimum piston tipping.

2,255,215

REGULATING MEANS

Johann Heinrich, Berlin-Tegel, Germany, assignor, by mesne assignments, to Maschinen-Und Metallwaren-Handelsgesellschaft m. b. H., Berlin, Germany, a limited liability company of Germany

Application October 22, 1938, Serial No. 236,398
In Germany May 12, 1938
5 Claims. (Cl. 230—31)



1. A regulating device for a compressor having a cylinder, a main piston reciprocable within said cylinder, a valve communicating with the interior of said cylinder, an auxiliary piston operatively connected with said valve and a condenser for storing the compressed fluid; said regulating device comprising an oscillatory member controlled by said main piston and forming a passage for the pressure medium, a regulatory

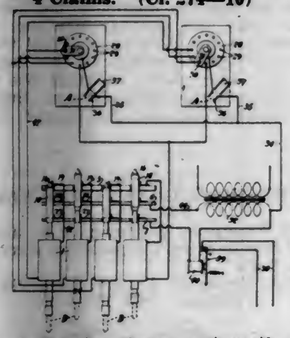
member controlled by the condenser pressure for controlling said passage, means for supplying the pressure medium to said passage and means for conveying said medium from said passage to said auxiliary piston.

2,255,216

ELECTROMAGNETIC RECORD-SELECTING CONTROL MEANS

Earle G. Henry, Chicago, Ill., assignor to Buckley Music System, Inc., a corporation of Illinois

Application August 26, 1939, Serial No. 292,097
4 Claims. (Cl. 274—10)



2. A control system for an automatic machine adapted selectively to play any desired number of records, having a series of manually operable selective elements each of which corresponds to one of the records, and having also a controlling switch, comprising: a series of electro-magnets corresponding in number to said elements and each including a coil and a two-position movable member adapted to be moved into one of its positions when the coil is energized and to remain in that position when the coil is again de-energized, each of said members serving to push one of said elements into its record-selecting position when the corresponding coil is energized, a controlling circuit for each of said coils, means associated with each of said movable members to interrupt the controlling circuit for its coil after that member has been moved upon the energization of its coil, a selective switch common to all of said controlling circuits, and means associated with each of said movable members to close said controlling switch upon the energization of the corresponding coil, if it be not already closed.

2,255,217

PISTON PIN RETAINER

Henry C. Hill, Montclair, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York

Application February 2, 1939, Serial No. 254,144
8 Claims. (Cl. 85—8.5)



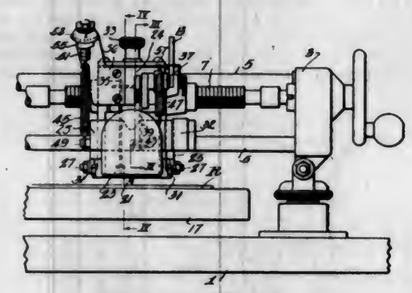
1. As an article of manufacture, a piston pin retainer comprising a helical spring having its central turns space-wound and having its end turns contact wound, the turns at one end having an outside diameter substantially the same as the outside diameter of the central turns and the turns at the other end having an outside diameter substantially equal to the inside diameter of the turns at said first end.

2,255,218

PHONOGRAPHIC APPARATUS

John J. Hoehn, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware

Application November 30, 1939, Serial No. 306,833
7 Claims. (Cl. 274—9)



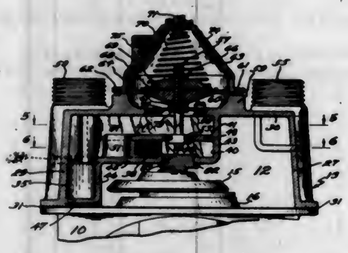
1. In phonographic apparatus, the combination of a supporting member, a pivotal mounting thereon including spaced bearing parts, a sound translating device pivotally carried by said mounting, and means comprising a plurality of resilient members substantially equalizing the load of said pick-up on said bearing parts.

2,255,219

METER HEAD INCORPORATING LOW-PRESSURE REGULATOR

William P. Hutchinson and Arthur S. McIntire, Bridgeport, Conn., assignors to The Sprague Meter Company, Bridgeport, Conn., a corporation of Connecticut

Application March 23, 1939, Serial No. 263,696
12 Claims. (Cl. 73—199)



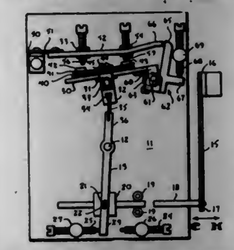
1. The combination with a meter body containing gas measuring chambers, of a head unit detachably mounted on said body including head walls forming a hollow cap-like structure adapted for piping connection to a house line and partitioned in its interior to form a passageway leading from a point of communication with said measuring chambers to a point of connection to said house line, a modulating valve controlling the flow of gas through said passageway, and a plurality of spaced flexible diaphragms connected to operate said valve and arranged to be operably sensitive to pressure of gas contained in said passageway, one of said diaphragms having its opposite faces exposed to pressures of gas contained in respectively different portions of said passageway which are separated by said valve and the other of which diaphragms is exposed to pressure of gas which is on the house line side of said valve.

2,255,220

SWITCHING MECHANISM

Frederick D. Joesting, Chicago, Ill., and Leslie H. Miller, Minneapolis, Minn., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application August 12, 1938, Serial No. 224,530
13 Claims. (Cl. 200—138)



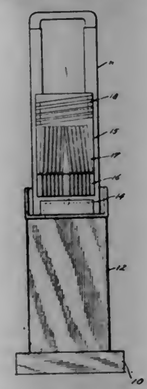
1. A switching mechanism comprising a first movable member, a second movable member, a first switch formed by a first contact on said first member and a first contact on said second member, a second switch formed by a second contact on said first member and a second contact on said second member, means for moving said first member, means on said first member for moving said second member, and a stationary element causing said latter means to disengage said second member.

2,255,221

METHOD OF AND MEANS FOR SURFACE BROACHING

Francis J. Lapointe, Ann Arbor, Mich., assignor, by mesne assignments, to American Broach & Machine Co., Ann Arbor, Mich., a corporation of Michigan

Application September 2, 1937, Serial No. 162,178
13 Claims. (Cl. 90—33)



1. The method of removing surface material from a work piece to a desired depth comprising placing the work piece in a fixed position, broaching a plurality of spaced slots in the surface thereof with one set of broaches, placing individual broaches comprising another set one in each of said slots, bracing the broach in each slot against a side of the slot and then moving the said second set of broaches through a cutting stroke so as to remove all the material between the opposite side of the slot and the next adjacent slot.

2,255,222

WEED GUARD FOR FISHING LURES

Victor William Leusch, South Bend, Ind., assignor to South Bend Bait Company, South Bend, Ind., a corporation of Indiana

Application August 19, 1940, Serial No. 353,214
4 Claims. (Cl. 43—39)



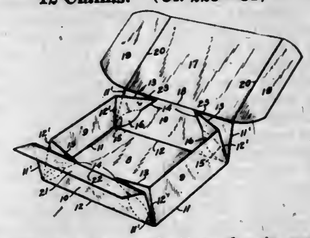
1. A weed guard for a fishing lure having a hook fixedly mounted thereon, comprising an elongated resilient member adapted to be secured to said lure at one of its ends and having a hook engaging portion at its opposite end, said hook engaging portion comprising a depending socket releasably fitting around said hook to prevent lateral disengagement therewith, and angularly upwardly and outwardly extending guide portions on opposite sides of said socket.

2,255,223

FOLDING BOX

Stephen Lighter, Chicago, Ill.

Application September 22, 1939, Serial No. 296,017
12 Claims. (Cl. 229—31)



1. In combination, a bottom having side and end walls foldable upwardly therefrom, and a corner section hingedly connecting the adjacent portions of each side and end wall, each corner section being foldable upon itself along a diagonal line dividing the same into hingedly connected complementary portions, and one of said portions of each corner section being permanently attached in surface engagement with the adjoining wall while the complementary portion has an integral tab projecting outwardly beyond the diagonal line.

2,255,224

KNITTED FABRIC CONSTRUCTION

Hans P. Luhn, North Tarrytown, N. Y., assignor to Improved Products and Machinery Co. Inc., New York, N. Y., a corporation of New York

Application July 8, 1938, Serial No. 218,077
1 Claim. (Cl. 66—178)



A stocking having a strain absorbing area therein above the knee portion thereof, said area being knitted of the same type of thread as ad-

joining portions of the stocking and being formed of wales of regularly knitted loops of yarn spaced from each other by wales having portions thereof where the looped formation of the yarn has been omitted, and said portions in each of said last mentioned wales being positioned in staggered relation with respect to each other.

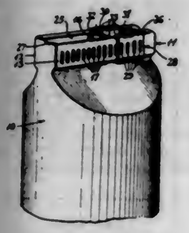
2,255,225

CONTAINER AND CLOSURE THEREFOR

John R. Meggy, Elizabeth, N. J.

Application April 20, 1940, Serial No. 330,643

3 Claims. (Cl. 221—21)



2. In a container, an elongated head having an opening therein communicating with the interior of said container said head being flanged on the opposite sides thereof to form a track, longitudinally extending parallel shoulders extending above the top surface of said head on the opposite sides thereof, transversely extending shoulders on the opposite ends of said head extending above the top surface thereof and having pouring vents therein, a plurality of vertically extending teeth longitudinally disposed along the opposite sides of said head, and a closure of resilient material having sharp points projecting outwardly from the top surface thereof said closure being adapted to slidably engage the top surface of said head and having parallel grooves in the opposite sides thereof adapted to engage the shoulders on the opposite sides of said head, said closure having depending parallel sides the ends thereof being bent toward each other and engaging the under-side of the adjacent flange on said head said parallel sides each having a plurality of vertically extending teeth therein said teeth being adapted to enmesh with the teeth in the adjacent side of said head.

2,255,226

FLOUR MILL WITH GARLIC SEPARATOR

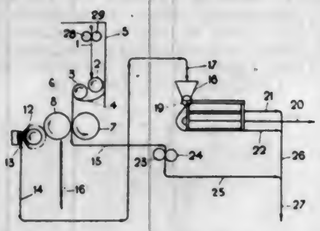
Charles Meneux, Nantes, Sylvain Gabriel Bourdin, Angers, and Louis Chaussé, Nantes, France

Application April 8, 1939, Serial No. 266,754

In France April 16, 1938

3 Claims. (Cl. 83—93)

1. In a milling plant comprising means for hulling and grinding a mass of cereal grains mixed with garlic to produce a coarse meal, means for distributing said meal into sheet form, a pair of cooperating rigid surfaced rollers rotating in opposite directions at slightly different speeds and so located as to receive between them on one side the sheet of meal, one of said rollers having peripheral inter-crossed grooves, a revoluble brush in rubbing contact with the grooved roller, a stationary brush engaging said revoluble brush at a position remote from the point where it rubs the roller, the degree of engagement of both brushes being sufficient to cause the revoluble brush to rotate at an angular speed much slower than that of the grooved roller, and means for separately collecting the garlic ejected off said



brushes and the meal free of garlic from the outlet side of said rollers.

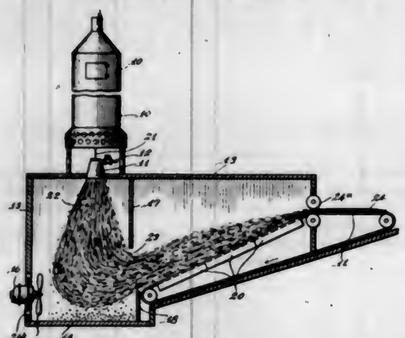
2,255,227

APPARATUS FOR PRODUCING MINERAL WOOL

Joseph R. Parsons, Chicago, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois

Application November 10, 1938, Serial No. 239,819

3 Claims. (Cl. 83—91)



1. An apparatus for producing a substantially bead-free mineral wool from a stream of molten mineral material, having a means for disintegrating said stream to the fibrous condition, a fiber collecting means, a separating means for substantially complete removal of the beads from the fibers, and a bead collecting means, said stream disintegrating means comprising a nozzle which comprises a bell-shaped member open at either end, a hollow ring member adjacent one end of said bell shaped member, gas introducing means for said hollow ring member, and holes in said hollow ring member, said holes being positioned to direct gas from the hollow ring member to the inside portions of said bell in a direction initially substantially perpendicular to the plane of said ring member.

2,255,228

METHYLENE DISULPHIDE POLYMER

Joseph C. Patrick, Morrisville, Pa.

No Drawing. Original application August 9, 1930, Serial No. 474,299. Divided and this application June 27, 1940, Serial No. 342,689

5 Claims. (Cl. 260—67)

1. The process which comprises reacting an alkaline metallic disulphide with a reactive methylene body.

2,255,229

SOLVENT FOR ORGANIC FILM-FORMING MATERIALS

Walter Reppe and Otto Hecht, Ludwigshafen-on-the-Rhine, and Fritz Oschatz, Mannheim, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application February 8, 1939, Serial No. 255,217. In Germany February 18, 1938

3 Claims. (Cl. 260—32)

1. A composition of matter comprising a polymerized mono vinyl compound dissolved in tetrahydrofurane.

2,255,230

PREPARING FATTY ACID COMPOUNDS

John Ross, New York, N. Y., and Hans George Kirschenbauer, Ridgefield, N. J., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware

No Drawing. Application April 13, 1939, Serial No. 267,626

12 Claims. (Cl. 260—408)

1. The method of preparing relatively pure stearic acid and monochlorinated palmitic acid from a mixture containing stearic acid and palmitic acid which comprises treating such a mixture with a chlorinating agent in a quantity just sufficient to monochlorinate substantially all of the palmitic acid in the mixture, and then separating the monochloropalmitic acid from the stearic acid.

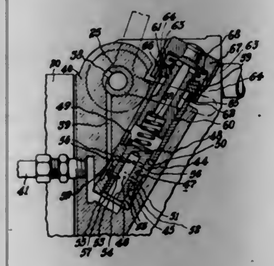
2,255,231

CONTROLLING DEVICE FOR ROCK DRILLS

Fred M. Slater, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey

Application October 5, 1939, Serial No. 297,980

2 Claims. (Cl. 50—35)



1. A controlling device, comprising a casing having a supply passage for pressure fluid, a chamber in the passage, a valve in the chamber to control the passage and having a pressure surface subjected to the pressure fluid in the chamber and one branch of the passage for actuating the valve to reduce the admission of pressure fluid into the chamber, a recess in the valve in constant communication with said branch, and ports in the valve opening into the recess and being arranged in different transverse planes to move successively into and out of communication with the other branch of the passage to control the flow of pressure fluid into the chamber in accordance with the movements of the valve responsively to the fluctuations in the pressure of the fluid acting against the pressure surface.

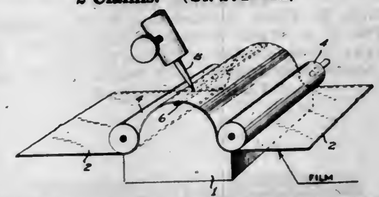
2,255,232

SUPPORT FOR SOUND RECORD FILMS

Albert D. Stern, Jamaica Estates, Long Island, N. Y., assignor to Recordgraph Corporation, New York, N. Y., a corporation of Delaware

Application August 1, 1940, Serial No. 349,145

2 Claims. (Cl. 274—11)



1. In a sound reproducing device in which a reproducing stylus cooperates with a sound record film support for a spliced sound record film over which support the film is fed, said support provided with a transverse groove of a width greater than the width of the splice but not greater than twice such width.

2,255,233

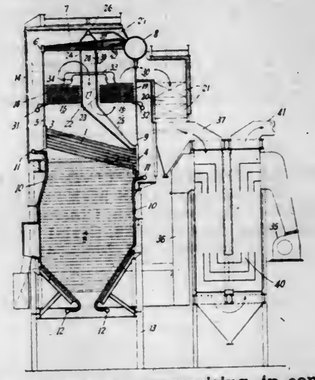
FLUID HEAT EXCHANGE APPARATUS

Frederick Sidney Tollow, Whyteleafe, England, assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey

Application April 22, 1938, Serial No. 203,556

In Great Britain June 11, 1937

4 Claims. (Cl. 122—480)



1. A vapor generator comprising, in combination, vapor generating tubes, a superheater, a casing wherein the space beyond the vapor generating tubes in the direction of gas flow is divided into three side-by-side and series-connected passes of reduced cross section, the first of said passes being arranged to always be subject to the total gas flow from the furnace and having one separate section of the superheater therein, another separate section of the superheater being arranged in the third of the gas passes, means forming a gas outlet at the discharge end of the last of said passes, baffles or walls separating said passes, a gas flow regulator associated with an opening in the wall between the second and third of said passes and adjacent the gas entrance to the second of said passes, said outlet being disposed on the downstream side of said other separate superheater section relative to the flow of gases over that superheater section, said opening establishing communication between the upstream and downstream sides of

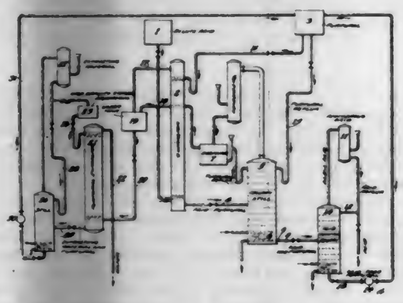
the second superheater section, and means connecting said superheater sections for series steam flow therethrough.

2,255,234
FLEXIBLE SHAFT
Wilmer P. Uhler, Tottenville, N. Y., assignor to The S. S. White Dental Manufacturing Company, a corporation of Pennsylvania
Application June 7, 1938, Serial No. 212,239
3 Claims. (Cl. 64—2)



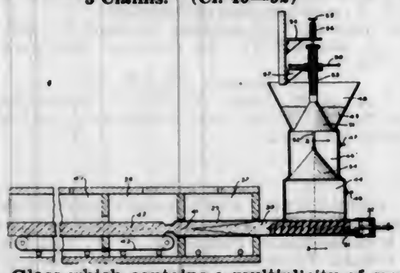
1. A coiled wire flexible shaft comprised of concentric members including a plurality of wire coils one snugly within another, with successive coils oppositely pitched so that each outer strand rests upon a plurality of turns of an inner strand, said shaft having a rigid fluted region comprising a plurality of longitudinal ridges in each coil thereof separated by circumferentially spaced inwardly curved grooves, each and every strand in each and every coil being curved inwardly so that it passes in arcuate form from one ridge into the next and is received in a groove of the adjacent inward member, and each individual strand being deformed opposite each strand of each adjacent coil to provide a compact mass in which the wires of successive coils interlock with one another and provide a solid structure constituting a rigid region in unitary relation with the rest of the flexible shaft structure and effective for preventing relative movement of any strand.

2,255,235
PROCESS FOR EXTRACTING ACETIC ACID FROM AQUEOUS MIXTURES
Theodore O. Wentworth, Cincinnati, Ohio
Application July 20, 1938, Serial No. 220,174
3 Claims. (Cl. 260—541)



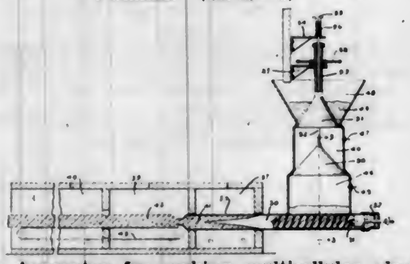
1. The step in the dehydration of aqueous acetic acid which comprises subjecting the same to a counter-current of furfural, containing an added organic solvent other than furfural but having a boiling point in the range of furfural and which will dissolve a negligible quantity of water and which is completely miscible with acetic acid and furfural, in an extractor.

2,255,236
MULTICELLULAR GLASS
Sanford L. Willis, White Plains, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application November 5, 1937, Serial No. 173,018
3 Claims. (Cl. 49—92)



1. Glass which contains a multiplicity of small bubbles of gas under positive pressure at room temperature.

2,255,237
APPARATUS FOR MAKING MULTICELLULAR GLASS
Sanford L. Willis, White Plains, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Continuation of application Serial No. 173,018, filed November 5, 1937. This application filed June 7, 1938, Serial No. 212,330
7 Claims. (Cl. 49—1)

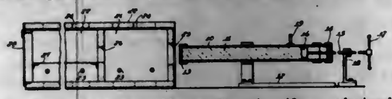


1. Apparatus for making multicellular glass, which includes a substantially horizontal sintering tube having at one end an orifice and at the other end a continuous charging means comprising a screw feeding device within the tube, means for applying and maintaining a gas under pressure within the tube including a chamber to supply material to the screw feeding device, an air lock chamber above the supply chamber and communicating therewith, a hopper above the air lock chamber and communicating therewith, means for optionally sealing the supply chamber from the air lock chamber, similar sealing means between the air lock chamber and the hopper, means for supplying compressed gas to the air lock chamber, means for heating the orifice and the adjacent portion of the sintering tube, and a heating kiln adjacent the orifice.

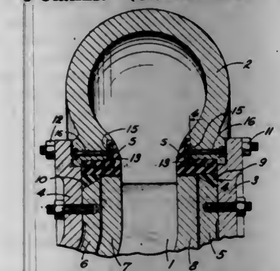
2,255,238
METHOD OF MAKING MULTICELLULAR GLASS
Sanford L. Willis, White Plains, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application November 25, 1939, Serial No. 306,137
9 Claims. (Cl. 49—77)

1. The method of forming multicellular glass,

comprising sintering granular glass in a closed chamber to form a viscous mass, subjecting the glass to gas under positive pressure and to mechanical pressure throughout the sintering thereof, releasing the pressures on the sintered viscous mass to expand the gas entrapped therein, and cooling the mass.

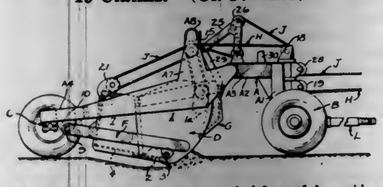


2,255,239
PUMP VOLUTE LINER
Frank B. Allen, Lower Merion Township, Montgomery County, Pa., assignor to The Allen-Sherman-Hoff Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 4, 1938, Serial No. 193,944
5 Claims. (Cl. 103—114)



5. In a centrifugal pump, a shell having an annular shoulder portion, a plurality of shoulder liner members separately secured to said shell and arranged in abutting end to end relation, each of said shoulder liner members having its opposite ends beveled in the same direction and including a rigid reinforcing core covered with rubber, and separately operable means for securing said shoulder liner members to said shell with the beveled ends of adjacent liner members abutting and overlapping in the direction of rotation of the pump impeller.

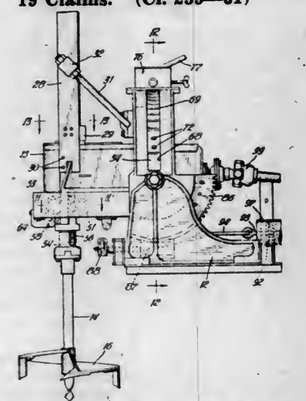
2,255,240
HAULING SCRAPER
Len O. Bird, Glendale, Calif., assignor to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation of California
Application May 16, 1939, Serial No. 273,918
19 Claims. (Cl. 37—126)



2. In a hauling scraper, a rigid and inarticulate frame, wheeled supports for the front and rear ends of said frame, a bowl encompassed by and movable freely relative to said frame, bowl supporting arms pivoted at their rear ends adjacent the rear end of and extending forwardly and beneath said frame, said bowl having a forward section fixed rigidly to the forward portions of said arms, a rear section pivotally connected with said forward section for tilting movement relative to the forward section for dumping the load, operating means for moving said arms exclusively of said frame for disposing the bowl in loading and carrying positions, and operating means for tilting the rear section into dumping position.

19. In a hauling scraper, a sectional bowl; a wheeled supporting structure including a vertically movable portion on which one of the sections of the bowl is mounted for bodily movement vertically therewith; means connecting another section of the bowl with the first named section for tilting movement relative thereto and vertical movement therewith, a lever fulcrumed on said wheeled supporting structure and having a portion extending rearwardly and then downwardly to a point over the first named bowl section, means for pivotally connecting said portion of said lever with the first named section of the bowl, and means for moving said lever for raising the entire bowl.

2,255,241
APPARATUS FOR INCLINED EARTH DRILLING
Hugh S. Brown, Harvey, Ill., assignor to The Hubron Company, Inc., Somerville, N. J., a corporation of New Jersey
Application February 12, 1940, Serial No. 318,538
19 Claims. (Cl. 255—31)



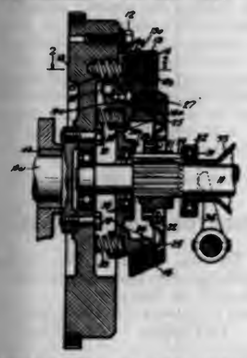
1. In an earth drill, a drilling spindle, a carriage rotatably mounting said spindle and mounted for longitudinal movement and at times disposed at a wide angle from the vertical, a flexible chain extending longitudinally along the carriage, a sprocket adapted to engage the chain to move the carriage longitudinally, and means for limiting the sagging of the chain comprising extensions carried by the chain and interlocking with the carriage.

2,255,242
WAX SUBSTITUTE
Frank W. Corkery, Crafton, Pa., assignor to Pennsylvania Industrial Chemical Corporation, a corporation of Pennsylvania
No Drawing. Application October 15, 1938, Serial No. 235,181
3 Claims. (Cl. 260—23)

1. An artificial wax consisting essentially of a fat having a melting point higher than 20° C. and coumarone-indene resin having a melting point higher than 100° C. and completely soluble in mineral spirits at normal room temperature,

the fat and the coumarone-indene resin being included within the approximate reciprocal ratio of 2:3 parts of one with 3:2 parts of the other.

2,255,243
DRIVING CLUTCH
Thomas L. Fawick, Akron, Ohio, assignor to The Fawick General Company, Inc., a corporation of Indiana
Application August 25, 1937, Serial No. 160,880
23 Claims. (Cl. 192—68)

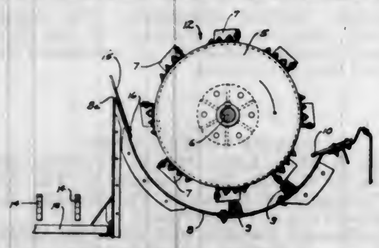


1. The combination of two mating clutch structures, one of the same comprising two rigid members defining between them an obliquely disposed cushion-mounting space and cushion means so mounted in said space, and embraced by said two rigid members for transmission of torque from one to the other of them by compression, as to yield in compression under the force of the torque and also under the force of shaft-misalignment, the cushion-embracing faces of said rigid members overlapping each other in a direction transverse to the circle of revolution so that the cushioning means, by reason of its oblique relation, sustains the torque and also the force of shaft misalignment primarily by compression, and the cushion-mounting space being obliquely disposed with relation to all axial planes of the assembly.

15. The combination of two mating clutch structures constructed and arranged for the concurrent enagement of a plurality of pairs of friction-drive surfaces, one of said structures comprising two members interlocked against relative rotation but axially slidable with relation to each other for engaging and disengaging a part of the other structure, and a circumferentially-spaced series of bars extending through a part of the said other structure for effecting relative axial movement of the said two members, the combination including thrust-bearings for the bars at their opposite ends.

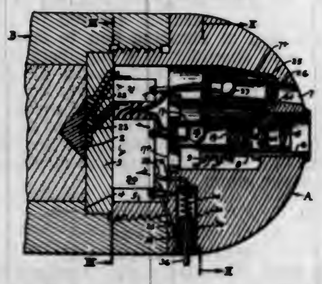
2,255,244
STRAW RETAINER IN SEPARATORS
Herbert E. Fink, Greenfield, Ind.
Application October 25, 1939, Serial No. 301,259
2 Claims. (Cl. 130—27)

1. In a grain separator, a cylinder, a concave under the cylinder, a straw receiving chamber behind the concave, means in said chamber for moving straw therein in a direction substantially parallel to the axis of said cylinder, said concave terminating by a rear edge above the floor of said chamber, and a plurality of saw-like teeth extending upwardly along and above said concave rear edge, over which teeth straw coming from between the under side of said cylinder and over said concave must pass to drop into said chamber, each of said teeth having a straight edge substantially normal to the axis of said cylinder and a sloping edge, both edges being in a common plane removed from but parallel with said cylinder axis, said sloping



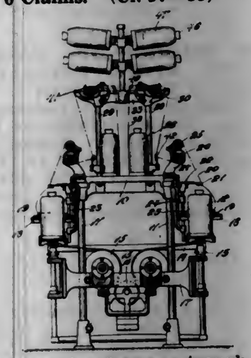
edges of the teeth being on those tooth sides opposite the direction of travel of the straw induced by said straw moving means, said teeth being in effect an upward extension of said concave, whereby said teeth form in effect a serrated edge along said concave edge to prevent drag back by the cylinder of straw from the straw receiving chamber.

2,255,245
FIRING DEVICE
Clyde B. Ferrel, San Francisco, Calif., assignor to Ferrel Ordnance, Inc., San Francisco, Calif., a corporation of California
Application April 26, 1938, Serial No. 204,358
1 Claim. (Cl. 102—36)



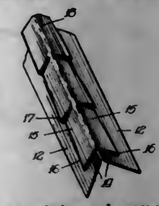
A firing device for a projectile, comprising a head secured to the front end of the projectile, said head having a central longitudinally extending light-gathering passage formed therein, a photoelectric cell mounted in the light-gathering passage and adapted to be energized by reflected light rays, a source of electric current supply to cause a current flow through the cell when it is energized, means actuated by said current flow for igniting the explosive charge in the projectile, a light projector carried by the head and disposed at one side of the light-gathering passage and on an angle thereto, said projected light being reflected by a target and said reflected light entering the light gathering passage to energize the photoelectric cell only when the projectile is within a predetermined distance of the target, and means for adjusting the angle of the light projector with relation to the longitudinal axis of the light-gathering passage, so that the energization of the photoelectric cell may take place at any predetermined distance from the target.

2,255,246
WET SPINNING FRAME
William McL. Fraser, Stonington, Conn., assignor to Atwood Machine Company, a corporation of Connecticut
Application October 31, 1940, Serial No. 363,691
6 Claims. (Cl. 57—35)



1. In a wet spinning frame, a trough for liquid to be applied to the yarn, a roll revolvable in said liquid, guides for the yarn on either side of said trough to cause the same to contact said roll at least tangent thereto, all of the guides on one side of the roll being supported on a common bar and means to adjust said bar to simultaneously adjust the guides on one side of the roll.

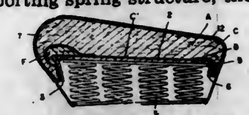
2,255,247
SHINGLE AND SIDING RECEIVING CHANNEL
Frank E. Gabriel, Appleton, Wis., assignor to Appleton Supply Co., Inc., Appleton, Wis., a corporation of Wisconsin
Application May 17, 1941, Serial No. 393,899
5 Claims. (Cl. 108—26)



1. A shingle receiving channel adapted to receive a portion of the end shingles in a plurality of courses of shingles applied to the surface of a building, comprising a covering flange having one margin disposed in a line substantially parallel to the building surface and having offset shoulders at its other margin for covering a portion of the exposed ends of said shingles, said shoulders being spaced from said first named margin, a continuous nailing flange underlying a portion of said courses of shingles, and means for enclosing the side edges of said shingles connected to said flanges.

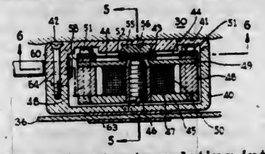
2,255,248
SEAT CUSHION AND THE METHOD OF MAKING SAME
Jack C. Gordon, Detroit, Mich., assignor to Allen Industries, Inc., Detroit, Mich., a corporation of Delaware
Application May 15, 1939, Serial No. 273,749
24 Claims. (Cl. 155—184)

10. A seat cushion separate from and adapted to be mounted upon a supporting spring structure comprising a self-contained unit having a body of fibrous material, a reinforcing base secured to the underside of said body and being shaped to provide a recess for receiving the upper part of a supporting spring structure, the area of said



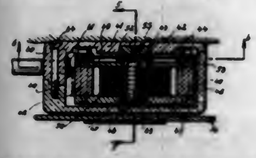
base being less than the area of the body, and a reenforcing pad between said body and base at the forward edges thereof, said pad projecting laterally beyond the forward edge of the base but terminating short of the forward edge of the body.

2,255,249
VOICE TRANSLATING APPARATUS
Emil H. Greibach, Brooklyn, N. Y.
Application August 12, 1938, Serial No. 224,446
13 Claims. (Cl. 179—121)



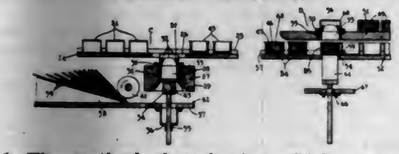
1. In an apparatus for translating into electrical oscillations required for intelligible reproduction of the normal speech the vibrations of a speech organ which differ in character from the component vibrations present in the normal speech transmitted from the mouth through the air, a microphone unit constituting an elastically deformable energy translating vibratory structure designed and arranged to be held against a vibrating speech organ and to have an overall mass sufficiently small to prevent substantial modification of the component vibrations of said organ required for intelligible reproduction of said speech; said microphone unit comprising: a driven vibratory portion having a relatively substantial mass and a driving vibratory contact portion arranged to be held coupled in contact with said organ so as to be vibrated thereby and having a resilient junction carrying said driven vibratory portion in a relatively freely vibrating condition; the elements of said vibrating structure forming parts of a magnetic core structure having a gap and windings interlinked with the magnetic flux of said core and arranged to generate in said windings oscillations substantially proportional to the relative velocity between said resiliently carried portion and said contact portion when it is subjected to vibrations of a substantial part of the principal speech frequency range extending below the resonance frequency of said vibrating structure; the masses of said vibratory portions and the stiffness of their resilient junction being designed and arranged to form a vibratory system having a resonance frequency at which it generates under constant velocity vibrations imparted to the contact portion a voltage which rises with the frequency at a rate of at least about seven decibels per octave over at least one octave in a part of the frequency range up to about 3000 cycles per second so that the oscillations generated in said windings when the contact portion is vibrated by said speech organ have frequency characteristics substantially similar to those of speech transmitted through the air.

2,255,250
VOICE TRANSLATING MICROPHONE
Emil Henry Greibach, Brooklyn, N. Y.
Application September 7, 1939, Serial No. 293,769
In Japan and Canada November 10, 1934
8 Claims. (Cl. 179—121)



1. In an apparatus for translating into electrical oscillations required for intelligible reproduction of normal speech the vibrations of a speech organ which differ in character from the component vibrations present in the normal speech transmitted from the mouth through the air, a microphone unit constituting an elastically deformable energy translating vibratory structure designed and arranged to be held against a vibrating speech organ and to have an overall mass sufficiently small to prevent substantial modification of the component vibrations of said organ required for intelligible reproduction of said speech; said microphone unit comprising: a driven vibratory portion having a relatively substantial mass; and a driving vibratory contact portion arranged to be held coupled in contact with said organ so as to be vibrated thereby and having a resilient junction carrying said driven vibratory portion in a relatively freely vibrating condition; the elements of said vibrating structure forming parts of a magnetic core structure having a gap and windings interlinked with the flux of said core and arranged to generate in said windings oscillations substantially proportional to the relative velocity between said resiliently carried portion and said contact portion when it is subjected to vibrations of a substantial part of the principal speech frequency range extending below the resonance frequency of said vibrating structure; said windings forming a part of said contact portion; the masses of said vibratory portions and the stiffness of their resilient junction being designed and arranged to form a vibratory system having a resonance frequency at which it generates under constant velocity vibrations imparted to the contact portion a voltage which rises with the frequency at a rate of at least about seven decibels per octave over at least one octave in a part of the frequency range up to about 3000 cycles per second, so that the oscillations generated in said windings when the contact portion is vibrated by said speech organ has frequency characteristics substantially similar to those of speech transmitted through the air.

2,255,251
PACKAGING METHOD AND APPARATUS
Reynolds Guyer, St. Paul, Minn., assignor to Waldorf Paper Products Company, St. Paul, Minn., a corporation of Minnesota
Application July 22, 1939, Serial No. 285,994
3 Claims. (Cl. 93—3)



1. The method of packaging which comprises shaping a tray and simultaneously inserting the tray in a temporary holder, filling the tray while in said holder, and thereafter simultaneously removing the tray and contents from the holder and inserting the same into a preformed enclosing cover.

2,255,252
ORGANIC NITROGENOUS BASE DERIVATIVES OF ETHER DERIVATIVES AND METHOD OF MAKING SAME
Benjamin R. Harris, Chicago, Ill.
No Drawing. Original application February 11, 1938, Serial No. 190,135. Divided and this application May 1, 1939, Serial No. 271,102
11 Claims. (Cl. 260—295)

1. The process of producing quaternary ammonium chemical compounds having the general formula

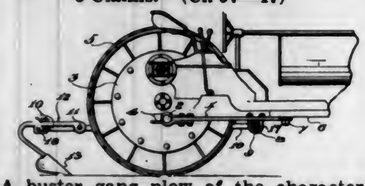


wherein R is a higher molecular weight acyl radical, X is hydrogen, Y is a member of the group hydrogen, hydroxy and inert anions, A is an anion, n, m and t are whole numbers and each of the three indicated valence bonds attached to nitrogen are linked directly to carbon which comprises the steps of reacting a salt of a higher molecular weight organic acid, a tertiary organic nitrogenous base, and a compound of the general formula



wherein X, Y and n, m and t have the foregoing significance.

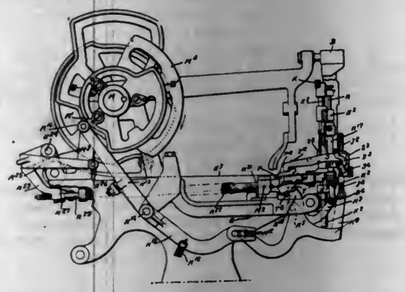
2,255,253
PLOW
Henry Clayton Harris, Pittsburg, Tex.
Application November 12, 1940, Serial No. 365,152
3 Claims. (Cl. 97—47)



1. A buster gang plow of the character described, in combination with the draw-bar of a tractor, comprising a plurality of substantially U-shaped plow frame members, each of said members carrying a plow foot; a tubular rod removably secured to the tractor draw-bar for connecting the plow frame to the tractor, a pair of rods slidably disposed inside the tubular rod; means for adjustably moving the plow feet individually with respect to each U-shaped frame member, and means for slidably connecting the free ends of the U-shaped frame members respectively to the tubular rod and to the rods slidable therein.

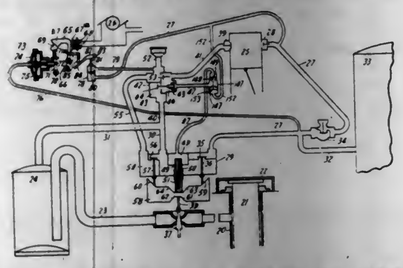
2,255,254
SLUG CASTING MACHINE
John H. Hilpman, Springfield Gardens, N. Y., assignor to Mergenthaler Linotype Company, a corporation of New York
Application August 3, 1940, Serial No. 350,682
43 Claims. (Cl. 199—51)

1. A slug casting machine including, in combination, a pair of line clamping jaws movable one toward the other in quadding, mechanism for effecting such quadding movement of the jaw, and automatic means independent of the line operable, under one condition, to move the jaw



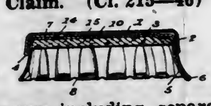
outwardly a limited distance from its line contacting position to permit the line to be expanded by spacebands to a corresponding extent and, under another condition, to urge the jaw inwardly to squeeze the line.

2,255,255
FLUID PRESSURE OPERATED APPARATUS
Ion Von Kert Hott, Dayton, Ohio, assignor to The Joyce-Cridland Company, Dayton, Ohio, a corporation of Ohio
Application March 29, 1939, Serial No. 264,821
28 Claims. (Cl. 60—51)



1. In an apparatus for utilizing the pressure energy of air to perform work including a work receptacle in which air is retained under pressure after work has been performed, an air compressor, a valve casing, conduits to connect said valve casing with said compressor and said work receptacle, a supply valve in said casing to control the flow of air thereto from said compressor, a return conduit for connecting said work receptacle with the intake of said compressor, a return valve in said return conduit arranged to be held closed by pressure in said return conduit, a fluid pressure operated device to open said return valve, means for connecting said pressure operated device with said casing between said supply valve and the conduit leading to said work receptacle and including a valve to control said connection, means including an actuating device to open said supply valve and close said controlling valve when said actuating device is moved in one direction and to close said supply valve and open said controlling valve to transmit the pressure from said work receptacle to said pressure operated device when said actuating device is moved in another direction, and means for supplying air to the intake of said compressor when said return valve is closed.

2,255,256
BOTTLE CAP
George H. Hutaff, Jr., Wilmington, N. C.
Application December 29, 1938, Serial No. 248,326
1 Claim. (Cl. 215—46)



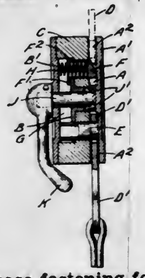
A bottle closure including separate top and bottom cap-shaped members each including a top portion and a depending flange, the members being normally nested and adapted to be applied to the bottle as a unitary structure, the bottom member having an opening forming a partially severed part and the top member normally overlying and closing the opening but adapted to be used as a lever for removing the bottom member from the bottle, the top member having an integral part extending from the bottom edge of the depending flange and bent to be positioned through the opening in the bottom member and secured beneath the partially severed part for interconnecting the members for removing the partially severed part by tearing a portion of the bottom member when the top member is raised and used as a lever.

2,255,257
BOTTLE CAP
George H. Hutaff, Jr., Wilmington, N. C.
Application December 29, 1938, Serial No. 248,327
6 Claims. (Cl. 215—46)



1. A cap of the character described including top and bottom members and an extensible chain-like member adapted to be normally folded to lie flat between the top and bottom members, one end of said extensible chain-like member being connected to the top member and the opposite end connected to the bottom member.

2,255,258
QUICK-RELEASE FASTENING FOR SAFETY HARNESSES, PARACHUTE HARNESSES, AND THE LIKE
Albert Alexander Lethern and Joseph Secondo Quirico, London, England, assignors to The Mills Equipment Company Limited, London, England, a company of Great Britain
Application December 6, 1939, Serial No. 307,932
In Great Britain January 31, 1939
6 Claims. (Cl. 24—205)



1. A quick release fastening for connecting together the strap plates of safety or parachute

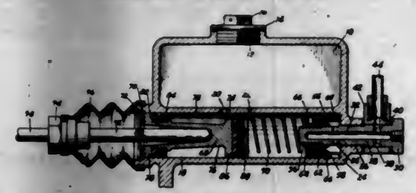
harness, comprising a casing having a plurality of slots therein each adapted to receive the perforated end of a strap plate, a spring-pressed bolt member associated with each slot mounted within the casing and movable across the slot to engage or release the perforated strap plate, a releasing plate within the casing through which the bolts pass and can slide, a pivoted operating lever outside the casing adapted to be rocked in either direction, cam mechanism between the lever and releasing plate having oppositely inclined portions such that when the lever is rocked in either direction the releasing plate is moved against the action of the bolt springs to withdraw the bolts, and means for retaining the plate and bolts in said released position.

2,255,259

FLUID PRESSURE BRAKING SYSTEM

Aaron A. Loweke, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California

Application May 20, 1939, Serial No. 274,821
4 Claims. (Cl. 60—54.6)



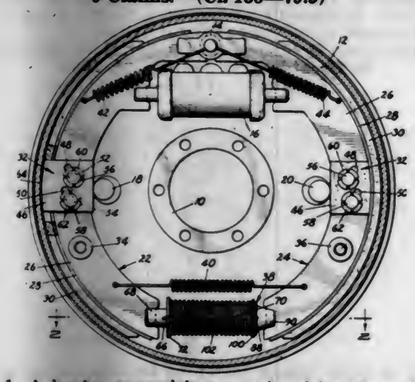
1. A fluid pressure producing device comprising a cylinder open at one end and closed at its other end by a head having an opening therethrough, a piston reciprocable in the cylinder, a member mounted in the opening and extended into the cylinder having a passage therethrough and peripheral longitudinal channels, a floating piston reciprocable on the member having a yieldable part cooperating with the channels for control of fluid flow through the passage in both directions, means for limiting movement of the floating piston in one direction, and a compression member between the pistons.

2,255,260

BRAKE

Erwin F. Loweke, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California

Application June 17, 1939, Serial No. 279,755
9 Claims. (Cl. 188—79.5)



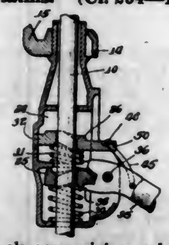
1. A brake comprising a pair of braking elements, a turn buckle adjustment having threadedly engaged members connecting the articulated ends of said elements, a torsion spring acting on the threadedly engaged members of said turn buckle to elongate the same, and braking means imposing a frictional resistance to rotation upon said threadedly engaged members in addition to the frictional resistance of their threadedly engaged faces and in proportion to the compressive force exerted on said turn buckle by said braking elements.

2,255,261

LIFTING JACK

Millard B. Lucker, St. Joseph, Mich., assignor to Auto Specialties Manufacturing Company, St. Joseph, Mich., a corporation of Michigan

Application December 4, 1939, Serial No. 307,374
16 Claims. (Cl. 254—106)



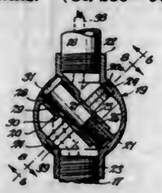
1. A lifting jack comprising a base, a load-engaging member, means for moving the load-engaging member relative to the base comprising a pair of friction clamps, one of said clamps being an actuating clamp and the other of the clamps being a holding clamp, and a single operating lever having operative connection with both the actuating clamp and the holding clamp for controlling the movements of both the actuating clamp and the holding clamp during load lowering operations.

2,255,262

LAMP

Leland E. MacFadden, Buffalo, N. Y., assignor to Markel Electric Products, Inc., Buffalo, N. Y., a corporation of New York

Application September 12, 1939, Serial No. 294,473
2 Claims. (Cl. 285—96.9)



1. A joint of the character described including a pair of mating sections, one of said sections having an axis of rotation about which it may be turned to adjust it to different angular positions with relation to the companion section and being formed with oppositely disposed projections, the companion section being formed with notches which said projections may enter to lock said sections against relative angular movement in either direction in each of said positions, said companion section being formed with a projection which cooperates with one of said projections to limit relative angular movement between said sections in one direction and which cooperates with the other of said projections to limit relative angular movement between said sections in the opposite direction, and means which acts against said sections to hold said projections in said notches and which is operative to permit separation of said sections to withdraw said projections from said notches.

2,255,263

THIXOTROPIC PIGMENT AND PAINT

Guy C. Marcot, Montclair, N. J., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio

No Drawing. Application January 24, 1939, Serial No. 252,545
15 Claims. (Cl. 134—39)

1. A pigment the individual particles of which are coated with from 0.05 to 0.5 percent of a water sensitive coating agent, and from 0.05 to 0.5 percent of a water-repellant coating agent, the agents being present in such proportions that the pigment is wet preferentially by oil on agitation in an oil-water system.

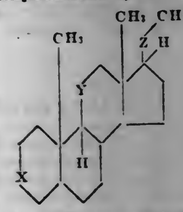
2,255,264

URANE COMPOUNDS AND A METHOD FOR PREPARING THEM

Russell Earl Marker, State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan

No Drawing. Application January 3, 1938, Serial No. 183,137
9 Claims. (Cl. 260—397.3)

1. Urane compounds of formula,



where X, Y, and Z represent carboxylic acid-esterified secondary alcohol groups.

2,255,265

URANE COMPOUNDS AND METHOD OF OBTAINING SAME

Russell Earl Marker, State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan

No Drawing. Application August 29, 1938, Serial No. 227,428
8 Claims. (Cl. 260—397.4)

1. Method for the production of urane derivatives oxygenated only at the number 3 and number 11 carbon atoms which comprises treating a non-phenolic ketonic carbinol fraction of pregnancy urine, from which trihydroxy steroids have been removed, with a ketone reagent, separating the reacted ketone fraction from the unreacted non-ketonic carbinol fraction and separately treating said fractions for isolation therefrom of purified individual ketonic and non-ketonic oxygenated urane compounds.

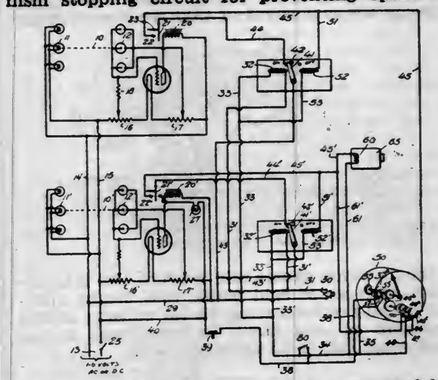
2,255,266

PHOTOGRAPHIC TIMING DEVICE

William P. Moorefield, St. Petersburg, Fla., assignor, by mesne assignments, to Automatic Electrical Devices, Inc., St. Petersburg, Fla., a corporation

Application November 15, 1935, Serial No. 50,051
Renewed December 2, 1939
4 Claims. (Cl. 161—18)

1. In a timing device having a beam controlled circuit for starting a timing mechanism and a beam controlled circuit for stopping said timing mechanism, means connected with said mechanism stopping circuit for preventing operation



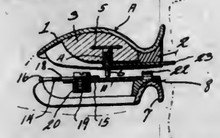
thereof until a predetermined time interval has elapsed, said means including a switch controlled by a cam with said cam actuated by said timing mechanism.

2,255,267

DENTAL APPLIANCE

Hugh G. Moran, St. Louis, Mo.

Application May 18, 1940, Serial No. 336,036
2 Claims. (Cl. 32—19)



1. An apparatus of the class described comprising trial plates to be fitted within the upper and lower portions of an oral cavity, a stylus carried by one of the trial plates, a recording plate carried by the second trial plate, said recording plate contacting the stylus to support the mandible, a reversible lock plate at the rear portion of the recording plate, one end portion of such lock plate being tapered to provide a point for engagement with the stylus when the mandible is fully retruded but allowing transverse movement of the mandible, the opposite end portion of the lock plate being provided with a slot to align with the point at the opposite end of the lock plate, said slot being open at its outer end, said slot serving as a guide for the stylus upon protrusion and retrusion of the mandible, the inner end of the slot also serving when in contact with the stylus for locking the mandible against protrusion and also locking the mandible against lateral movement, the intermediate portion of the lock plate having a longitudinally disposed slot, and a holding member disposed through said slot and the recording plate for clamping the lock plate in its various positions.

2,255,268

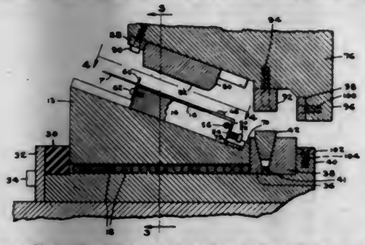
DIE APPARATUS FOR MAKING FILES

Emmett B. Perrine, Minneapolis, Minn.

Application February 27, 1939, Serial No. 258,615
8 Claims. (Cl. 76—14)

1. In a die apparatus for making files, the combination of a reciprocating die provided with

a series of forming teeth, an anvil die provided with a series of similar teeth, means for mounting said anvil die for lateral movement, means for positioning a file blank between said dies whereby the movement of said reciprocating die



in one direction causes said teeth to bite into opposite surfaces of said blank, and means operated by said reciprocating die for causing lateral movement of said anvil die lengthwise of the blank when said teeth are in the blank.

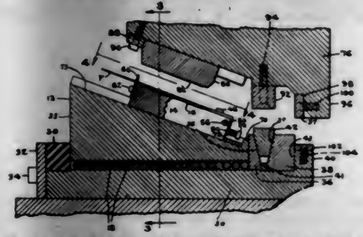
2,255,269

METHOD OF MAKING FILES

Emmett B. Perrine, Minneapolis, Minn.

Original application February 27, 1939, Serial No. 258,615. Divided and this application April 22, 1940, Serial No. 330,839

2 Claims. (Cl. 76—24)



1. A method of making files having a multiplicity of cutting teeth on opposite sides of the file adapted respectively to cut in opposite directions, which consists in providing a pair of dies each having a multiplicity of teeth for forming the file teeth on opposite sides of the file simultaneously, said die teeth having substantially vertical faces and other faces sloping in opposite directions on the respective dies, holding said dies spaced and with the sets of teeth of the respective dies having their outer edges in parallel planes, holding a file blank between said sets of die teeth edges, moving the respective sets of die teeth relatively so their sets of edges are parallel at the faces of the file blank and thereafter said respective sets of edges are caused to move simultaneously into opposite sides of the file blank, and moving the two sets of die teeth relatively along the planes of their edges in opposite directions as the die teeth enter and move into the body of the file blank at opposite sides thereof to cause the vertical faces of the die teeth to engage and lift the teeth being formed on opposite sides of the file blank.

2,255,270

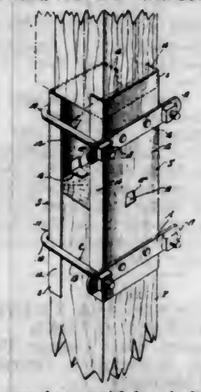
POLE SPLICE CLAMP

Charles C. Pimm, West Somerville, Mass.

Application June 19, 1940, Serial No. 341,389

4 Claims. (Cl. 304—40)

1. A pole splice clamp comprising oppositely acting members adapted to engage opposite sides of pole sections placed between them, means for connecting and for actuating said members toward each other and to bind and release adjacent ends of pole sections therebetween, and a lug on at least one of said members struck out of a portion of said member and forming an open-



ing in said member, said lug being disposed intermediate the length of said member and lying between said members and adapted to engage an end surface of one of the poles whereby the splice clamp may be held in position on a pole before said members have been actuated to clamping position.

2,255,271

VACUUM CLEANER BRUSH

Fritz H. Rast, Charleston, W. Va., assignor, by mesne assignments, to Electrolux Corporation, Dover, Del., a corporation of Delaware

Application September 3, 1937, Serial No. 162,233

2 Claims. (Cl. 15—158)



1. A cleaning tool comprising a hollow substantially rectangular shaped head, a hollow stem formed with the head and opening into the same, said head having suction slots, and a bag-like covering fitted over the head and having openings registering with said slots and also provided with a fluffy outer side.

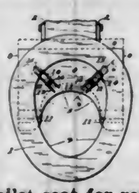
2,255,272

AUXILIARY TOILET SEAT

John H. Rasmussen, Chicago, Ill.

Application March 30, 1940, Serial No. 326,900

1 Claim. (Cl. 4—239)



An auxiliary toilet seat for removable and adjustable connection to a conventional toilet seat, said auxiliary seat being of lesser length than the toilet seat but of greater width than the opening therein and being superimposed upon said toilet seat to partially cover the opening therein from the rear end forwardly, said auxiliary seat being formed with a deep rounded recess cooperating with the forward end of the toilet seat to define a seat opening, and Z-shaped brackets adjustably secured each at one end to the auxiliary seat, the opposite ends of said brackets depending therebeneath to provide spaces of a depth substantially equal to the thickness of the toilet seat wherein to frictionally receive the same and yieldingly retain the seats in adjustable relation.

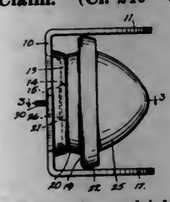
2,255,273

COLLISION-PROOF CLEARANCE LAMP FOR VEHICLES

Henry J. Sauer, Fairfield, Conn., assignor to The Kilborn-Sauer Company, Fairfield, Conn., a corporation of Connecticut

Application September 14, 1939, Serial No. 294,830

1 Claim. (Cl. 240—7.1)



A clearance lamp for vehicles comprising a sheet metal lamp mounting and guard member including a vertically disposed base portion and laterally disposed upper and lower guard portions projecting outwardly from the upper and lower edges of said base portion, said base portion having a forwardly embossed platform portion constituting a shoulder projection upon the outer side of said base portion and a recess upon the inner side, said embossed portion having an aperture, and a lamp assembly including a casing, a socket shell engaged through said aperture and having its rear portion disposed entirely within said recess and said casing engaging said shoulder projection and secured thereto in surrounding relation to said aperture, said embossed portion constituting a reinforcement rendering said sheet metal base portion rigid against bending intermediate its upper and lower edges through bending strains imposed thereon through displacement of said sheet metal guard portions toward each other.

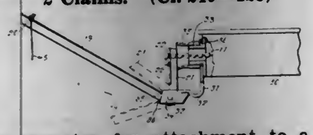
2,255,274

LAMP SWITCH OPERATOR

Benjamin Schoenberg, Corona, Long Island, N. Y., assignor to Eagle Electric Mfg. Co. Inc., Brooklyn, N. Y., a corporation of New York

Original application August 13, 1938, Serial No. 224,813. Divided and this application October 2, 1939, Serial No. 297,420

2 Claims. (Cl. 240—123)



1. An operator for attachment to a canopy adapted to enclose an electric switch mounted within it and operable by a sidewardly extending pull chain of the ball-and-socket type extending laterally thru a nipple in the side wall of the canopy, comprising in combination, a bracket, said bracket having a vertical part, an aperture near the top of said part thru which the nipple projects laterally and may be secured thereon and against the outside wall of the canopy by a nut, a lateral extension from the bottom of said vertical member, a transverse pivot pin mounted in said extension, an angle arm mounted on said pivot pin, said arm having a short vertically extending part, said nut extending out over the end of the nipple and forming a stop for the vertical part, means near the top of said vertical part in a straight line thru said aperture for engagement between two adjacent balls of the pull chain, said arm having a longer outwardly extending part, and a pull cord attached at the outer end of said longer part.

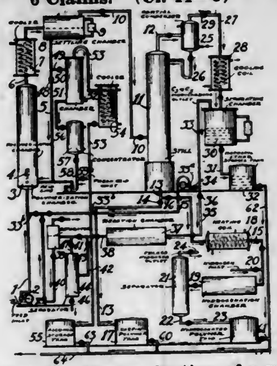
2,255,275

POLYMERIZATION OF REFINERY UNSATURATES AND PREPARATION OF IMPROVED MOTOR FUELS

Eldon E. Stahly, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware

Application October 1, 1937, Serial No. 166,752

6 Claims. (Cl. 44—9)



1. A process for the production of a motor fuel of high octane number which comprises contacting a mixture the olefin content essentially comprising propylene and at least one other olefin of higher molecular weight and having no hydrocarbon constituents containing more than 5 carbon atoms with sulfuric acid of a concentration between 55% and 75% at a temperature between 175° and 300° F. and under elevated pressure, separating a reaction product predominantly boiling within the gasoline range and containing a minor amount of isopropyl ether from the sulfuric acid, dividing the reaction product into a fraction containing isopropyl ether and a hydrocarbon fraction boiling in the motor fuel range, then saturating the double bonds in the said hydrocarbon fraction with hydrogen.

2,255,276

FUEL FEED MEANS FOR HINGED LIQUID FUEL BURNERS

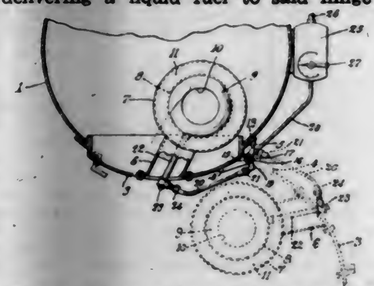
James L. Breese, Santa Fe, N. Mex., assignor to Oil Devices, Santa Fe, N. Mex., a limited partnership of Illinois

Application February 14, 1940, Serial No. 318,869

6 Claims. (Cl. 158—2)

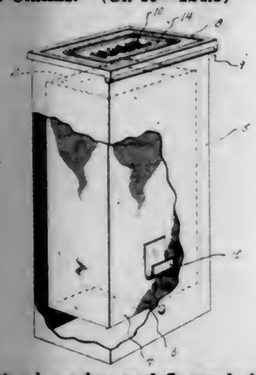
1. In combination with an outer heater hous-

ing, a door, a burner mounted on said door, a hollow hinge pin structure for said door, means for delivering a liquid fuel to said hinge pin



structure, and means for delivering said liquid fuel from said hinge pin structure to said burner, the interior of the hinge pin structure being vented to the atmosphere.

2,255,277
COMBINATION MARKER AND FLOWER HOLDER
Emerson C. Bronson, Omro, Wis.
Application August 14, 1939, Serial No. 290,096
2 Claims. (Cl. 40—124.5)

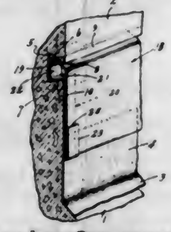


1. A combined marker and flower holder comprising: a sheet metal outer casing open at its top; a cover hinged thereto, said cover having marking indicia on its outer face so positioned as to be readable when the cover is in a horizontal position, and also when it is swung to an upright open position; a flower vase of a size to fit wholly within said casing; a brace connecting two opposite side walls at the bottom of the receptacle and serving as a support for the vase when the same is positioned wholly within the casing; a hook on the side of the flower vase; and a support on the inner face of the cover engageable by said hook so that the cover is positively held in an upright position and the vase is supported in an elevated upright position.

2,255,278
SHORT FIBER GREASE
Lawrence C. Brunstrum, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application June 20, 1938, Serial No. 214,727
8 Claims. (Cl. 252—40)

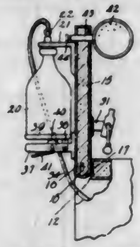
1. A method of manufacturing a short fiber soda soap grease comprising saponifying fatty material in the presence of mineral oil under conditions of at least 0.5% excess alkalinity, grading in additional mineral oil, and then neutralizing said excess alkalinity with a soap-forming fatty acid.

2,255,279
FLASHING
Hal Callaway, Los Angeles, Calif.
Application September 19, 1939, Serial No. 295,609
4 Claims. (Cl. 108—26)



3. In a wall and roofing connection, the combination of a channel flashing adapted to be secured in a wall, a counterflashing having one end positioned within the channel flashing, and a plurality of spaced locking strips of bendable material mounted at their upper end in the channel flashing extending behind the counterflashing and having their lower ends bent over the counterflashing to hold the same in position.

2,255,280
DISPENSING DEVICE
Donald Colvin, San Francisco, Calif.
Application December 19, 1938, Serial No. 246,637
6 Claims. (Cl. 312—189)



5. In a device of the character described, a cabinet, a door set into an opening in the wall of the cabinet and means whereby the door is swingably mounted for movement between closed and opened positions in the same vertical plane, the door and the cabinet having means cooperating for automatically locking the door in open position.

2,255,281
WAGON HITCH
Russell L. Dort, Davenport, Iowa, assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application December 16, 1940, Serial No. 370,324
6 Claims. (Cl. 280—33.44)

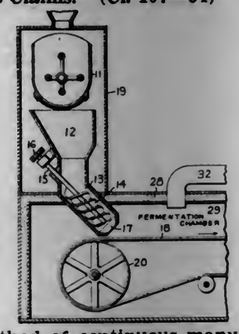
1. For use with a tractor having an implement connected therewith, and a vehicle disposed to travel alongside the implement, said vehicle having a forwardly extending draft tongue, a draft device for connecting the vehicle to the tractor and implement comprising a pair

of crossed links, the first of said links being connected at one end to the front end of the vehicle tongue and at the other end to the implement, the second of said links having one end connected



with the vehicle at a point rearwardly of the front end of the tongue, and the other end supported on the tractor drawbar, and said first link being supported on said second link.

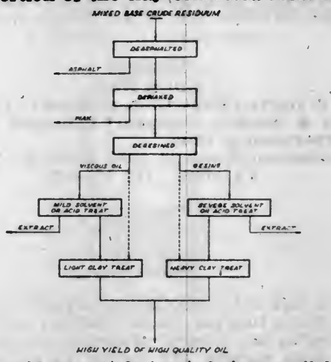
2,255,282
BREAD MANUFACTURING PROCESS
James T. Duffy, Jr., and Paul Jackson, York, Pa., assignors to Read Machinery Co., Inc., York, Pa., a corporation of Pennsylvania
Application September 16, 1939, Serial No. 295,203
3 Claims. (Cl. 107—54)



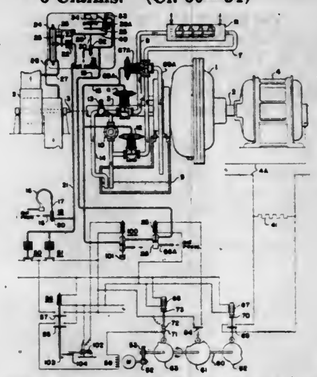
1. The method of continuous manufacture of bread and the like which comprises continuously extruding dough to form a strip, continuously moving the continuous strip of dough through a controlled atmosphere to cause progressive fermentation of the dough, moulding the continuous strip of fermented dough into a strip of smaller cross sectional size, and continuously conveying the continuous strip of dough after moulding and progressively baking said strip without disturbing the continuity thereof.

2,255,283
REFINING OF HEAVY OILS
Henry O. Forrest, Teaneck, N. J., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application November 21, 1938, Serial No. 241,552
2 Claims. (Cl. 196—13)

1. The method of refining a petroleum oil for the production of improved lubricating oils which comprises fractionating a residual lubricating oil stock containing uncracked heavy paraffinic components and resins into at least one viscous oil fraction having a viscosity at 210° F. below 300 seconds Saybolt and a resin fraction having a viscosity at 210° F. or more than 300 seconds Saybolt, diluting the resin fraction with a hydrocarbon diluent heavier than propane but lighter than the removed viscous oil fraction, contacting the diluted resin fraction with clay in the absence of the separated viscous oil fraction, separately treating said viscous oil fraction for improving its color and quality and blending at least a portion of the clay contacted resin fraction with said separately treated viscous oil fraction in order to improve the quality of said viscous oil fraction.



2,255,284
CONTROL SYSTEM
Harvard H. Gorrie, Cleveland Heights, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Application December 3, 1938, Serial No. 243,892
6 Claims. (Cl. 60—54)



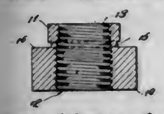
1. In combination with a hydraulic coupling having an input and an output shaft and containing a volume of fluid, a multispeed motor for driving said input shaft, valve means for regulating the flow of fluid to and from the coupling to vary the volume therein normally under the control of a first fluid pressure, and means for changing the speed of the motor when the fluid pressure reaches a predetermined value and simultaneously placing said valve means under the control of a second fluid pressure for a predetermined period of time to effect the change in fluid volume at a maximum rate and in a sense to counteract the change in motor speed.

2,255,285
SULPHOCARBOXYLIC ESTERS
Benjamin R. Harris, Chicago, Ill.
No Drawing. Original application June 24, 1939, Serial No. 280,911. Divided and this application September 3, 1940, Serial No. 355,184
6 Claims. (Cl. 260—400)

1. A lower molecular weight aliphatic sulpho-

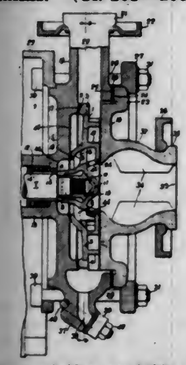
monocarboxylic acid ester of an aliphatic polyhydroxy substance containing a higher molecular weight radical, said ester containing an aromatic carboxylic acid ester group.

2,255,286
LOCK NUT
Carl L. Harvey, Kent, Ohio, assignor to The Lamson & Sessions Company, Cleveland, Ohio, a corporation of Ohio
Application March 23, 1940, Serial No. 325,596
3 Claims. (Cl. 151—21)



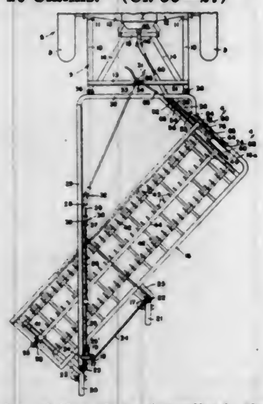
1. A lock nut comprising a polygonal body portion and a ring portion of relatively reduced size formed as an integral extension on one end of said body portion and having an external annular groove therein adjacent its connection with the body portion, said body and ring portions having an axial opening therethrough provided with a continuous helical thread and said ring portion having opposite sides thereof moved bodily inward so that all thread convolutions thereof will lockingly grip a threaded member when the nut is applied thereto.

2,255,287
DOUBLE VANE IMPELLER
Oystein Jacobsen, Montgomery County, Ohio, assignor to The Duriron Company, Inc., Dayton, Ohio, a corporation of New York
Application August 12, 1940, Serial No. 352,237
4 Claims. (Cl. 103—103)



3. A fluid pump of the centrifugal type comprising a casing containing an impeller formed of a plurality of vanes secured to a back plate to leave open passageways between the vanes and the side of the casing opposite said back plate, an inlet passageway leading to the center of the impeller communicating with the passageways between the vanes, an outlet passageway leading from the periphery of the impeller, means including a shaft and a stuffing box for rotatably mounting said impeller, means for preventing fluid from leaking along the shaft into the stuffing box, said means including an apertured closure member across the inner ends of at least one pair of vanes but less than the total number of vanes to form a compartment which opens into the outlet passageway, said means also including an opening in the impeller in the region of the stuffing box, said opening being located within the compartment closely adjacent the aperture in said closure member and communicating therewith whereby a suction effect is introduced by said aperture to cause the leakage fluid to flow through said opening in the impeller and to be expelled at the periphery of said compartment, said inlet passageway having a larger area than the vane passageways whereby a zone of contraction is normally produced at the junction between the inlet and vane passageways, means for increasing the suction effect on the leakage fluid in said compartment, said means including a second aperture in said closure member positioned in the region of said zone of contraction, and a plate extending across said pair of vanes at a position opposite said back plate whereby the compartment is closed on four sides and is closed at one end except for the pair of apertures but is open at the end which leads into the outlet passageway.

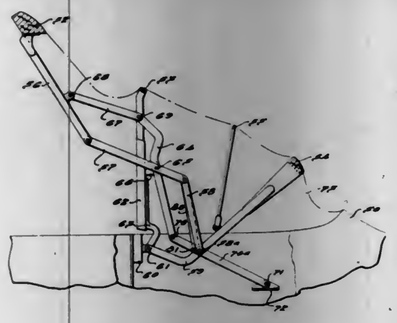
2,255,288
RAKE
Frank D. Jones and Marcus E. McClellan, Ottumwa, Iowa, assignors to Dain Manufacturing Company of Iowa, Ottumwa, Iowa, a corporation of Iowa
Application January 16, 1939, Serial No. 251,170
10 Claims. (Cl. 56—27)



1. In a rake of the class described, the combination of a wheel supported frame, a rotatable rake reel having a central shaft, means yieldingly suspending said shaft from said frame for vertical movement relative thereto, and means for rotating said reel comprising a drive shaft having operating connection with said central shaft, a bearing member pivotally connected with said frame for swinging about a substantially horizontal axis, said drive shaft being rotatably supported in said bearing member, and means movable vertically with said central shaft for maintaining the drive shaft and central shaft in operating relation with one another.

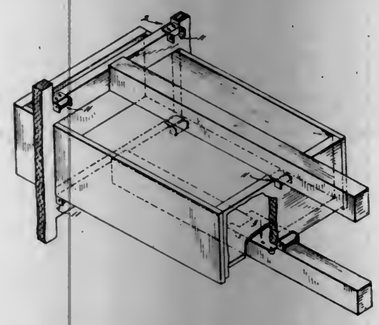
2,255,289
VEHICLE TOP
August Keller, Dearborn, Mich., assignor to Motor State Products Company, Ypsilanti, Mich., a corporation of Michigan
Application May 19, 1938, Serial No. 208,876
2 Claims. (Cl. 296—116)

1. A top for a vehicle body comprising a header bar, a main bow and a rear bow pivotally mounted to the vehicle, an outrigger lever pivotally mounted on the main bow intermediate its length, a header bar link interconnecting the forward end of the outrigger lever and header bar, a link interconnecting the rear end of the outrigger lever and the rear bow, a prop lever pivotally mounted on the main bow intermediate its length, a link



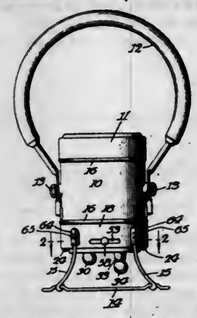
interconnecting the forward end of the prop lever and the header bar link, a supporting lever pivotally mounted at one end on the vehicle body remote from the mounting of the main bow and pivotally mounted at its other end to the rear end of the prop lever and a link interconnecting the rear end of the outrigger lever and the supporting lever intermediate its length.

2,255,290
ROLLER DRAWER GUIDE
Albert C. Kennedy, Long Beach, Calif., assignor of one-half to Janice C. Kennedy, Long Beach, Calif.
Application April 16, 1940, Serial No. 329,871
8 Claims. (Cl. 45—77)



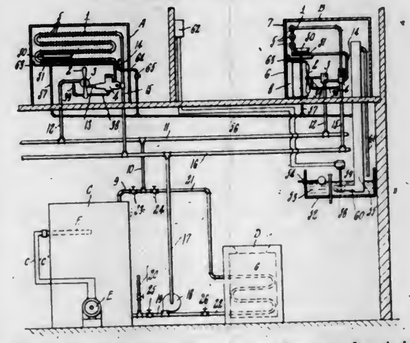
1. A roller drawer guide having a plate adapted to fit on the bottom of a drawer, such plate having a central web with a pair of fingers at one end, flanges on the fingers such flanges being at right angles to the plane of the web and adapted to engage on opposite sides of a guide bar, the web at the end opposite the fingers having an upturned angle end with a pair of ears extending from the opposite sides of said end parallel to the axis of the web and a roller journalled between said ears adapted to engage the upper edge of a guide bar.

2,255,291
ELECTRIC HAND LANTERN
Carl H. Larson, Elkhart, Ind., assignor to The Adlake Company, a corporation of Illinois
Application September 21, 1938, Serial No. 231,037
7 Claims. (Cl. 240—10.63)



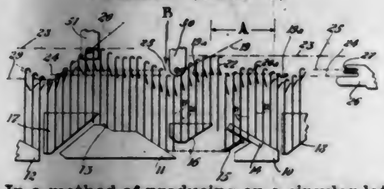
1. In an electric lantern having an electric circuit, a casing having a curved wall forming part of the circuit and provided with a circumferential slot, a pair of lamp sockets insulated and spaced from the curved wall and spaced from each other, a resilient sector-shaped switch including an arcuate member slidably mounted on the casing to close the slot on the inside and two converging circuit-closing arms integral with said arcuate member at the opposite ends thereof and spaced from the sockets in open circuit position, and an external handle for said arcuate member extending through the slot and movable in one direction to bring one of said switch arms into engagement with one of said sockets and in the opposite direction to bring the other of said arms into engagement with the other socket.

2,255,292
AIR CONDITIONING SYSTEM
Roland L. Lincoln, Middlebury, Conn., assignor to Hoffman Specialty Company, Waterbury, Conn., a corporation of Illinois
Application March 30, 1939, Serial No. 264,919
19 Claims. (Cl. 257—3)



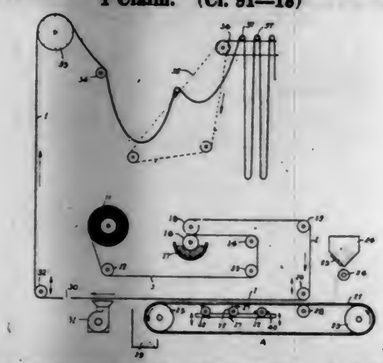
14. In an air conditioning system, a heat interchanger and a radiator in fluid circulating connection with one another, a fan for causing flow of air in contact with the radiator, means for utilizing the circulating fluid to drive said fan, and controllable means for by-passing a selected part of the circulating fluid past the radiator without altering the amount of the fluid utilized for driving the fan.

2,255,293
METHOD AND APPARATUS FOR MAKING KNITTED FABRICS
Jack Markowitz, Brooklyn, N. Y., assignor to Pennant Knitting Mills, Inc., Brooklyn, N. Y.
Original application October 29, 1940, Serial No. 363,320. Divided and this application December 18, 1940, Serial No. 370,682
7 Claims. (Cl. 66—8)



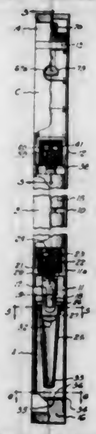
1. In a method of producing on a circular latch needle knitting machine a fabric with a design portion of trimming yarn incorporated therein, the steps of successively elevating selected needles to a level for taking trimming yarn, operatively supplying said trimming yarn to said selected needles, lowering the selected needles to a predetermined position above normal sinker level, elevating the said selected and the non-selected needles to a latch-clearing position for taking body yarn and simultaneously pushing said trimming yarn to a position behind the non-selected needles before they reach the trimming yarn, whereby a float will be formed, supplying a body yarn to said elevated needles at a level other than but in proximate relation to that of the trimming yarn operatively engaged by the needles, and lowering all the needles to below the sinker level for casting off and operatively knitting and tying in the previously formed stitches and float.

2,255,294
COATING APPARATUS
Romie L. Melton, Raymond C. Benner, and Henry P. Kirchner, Niagara Falls, N. Y., assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Application July 23, 1934, Serial No. 736,540
1 Claim. (Cl. 91—18)



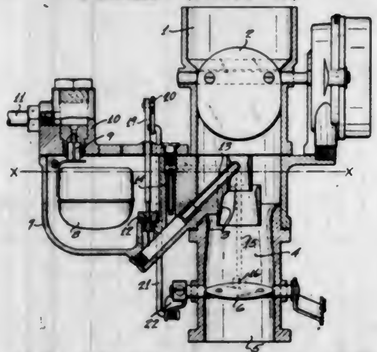
Apparatus for the manufacture of abrasive coated webs comprising means for supporting an adhesive coated web with an adhesive surface downward, a feed belt for conveying abrasive particles into a position beneath said web, means for striking said feed belt with sufficient force to drive the abrasive particles upwardly and into engagement with the adhesive coated surface of said web and means for varying the amplitude of vibration of said belt.

2,255,295
INCLINATION INDICATING DEVICE
Leonidas C. Miller, Dallas, Tex.
Application May 18, 1939, Serial No. 274,329
4 Claims. (Cl. 33—205.5)



1. A device for determining the inclination of a well bore, including a casing lowerable through the bore, light sensitive medium carrying means in the casing, light ray concentrating means above said carrying means for directing light rays upon the medium, and to indicate upon the latter the position of the concentrating means with respect to the casing, means for mounting the light ray concentrating means for universal pendulum-like movement relative to the casing, a source of light in the casing above the concentrating means to direct rays from the source into the concentrating means, and means to secure the source of light to the casing against movement relative thereto, whereby the source of light remains fixed during all movements of the concentrating means.

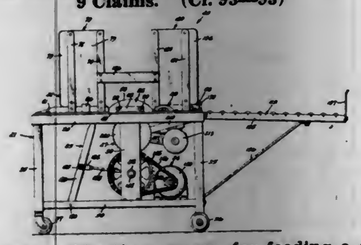
2,255,296
CARBURETOR NOZZLE
James T. W. Moseley, Webster Groves, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation
Application December 30, 1938, Serial No. 248,443
5 Claims. (Cl. 261—76)



1. In a downdraft carburetor, an induction conduit provided with a venturi, a constant level chamber, and a fuel nozzle extending upwardly

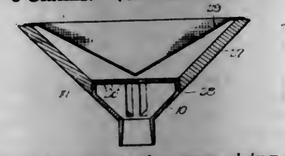
at an angle from said chamber into said conduit and having a tip portion in said venturi, said portion having a fuel discharge orifice and an air inlet orifice, said air inlet orifice facing against the direction of air flow in said venturi and said discharge orifice facing substantially transversely of said venturi, said orifices being horizontally offset and slightly above the normal fuel surface in said nozzle whereby air entering said inlet orifice may flow across said surface.

2,255,297
STACKER
Gerald C. Paxton, Riverside, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Original application July 6, 1937, Serial No. 152,076. Divided and this application July 12, 1940, Serial No. 345,031
9 Claims. (Cl. 93—93)



1. In combination: means for feeding a series of box parts in edge-to-edge relation along a given path; means to form a stack of said box parts in a given space above said path by lifting each of said box parts upwardly from said path into said space before the next successive box part is fed along said path beneath said space; releasable means for supporting said parts as so elevated; and means for releasing said stack from said supporting means when said stack reaches a predetermined size and permitting said stack to be discharged from said space along said path by the continued feeding of said box parts.

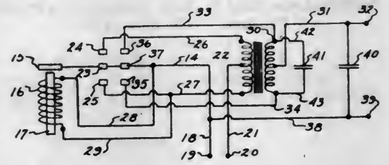
2,255,298
RADIANT HEATER
George L. Reichhelm, New Haven, Conn.
Application May 6, 1939, Serial No. 272,088
8 Claims. (Cl. 158—99)



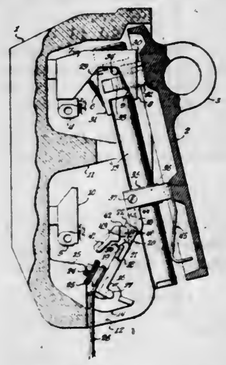
1. A fuel consuming device comprising a combustion chamber and fuel discharge means communicating therewith, said combustion chamber having a cone-forming reticulated surface, said fuel discharge means being axially disposed with respect to said surface and having a plurality of radially disposed discharge ducts provided with slots concentrically disposed with respect to said reticulated surface and adjacent thereto.

2,255,299
DIRECT-CURRENT VOLTAGE TRANSFORMATION
Ronald J. Rockwell, Cincinnati, Ohio, assignor to The Crosley Corporation, Cincinnati, Ohio, a corporation of Ohio
Application July 7, 1933, Serial No. 679,434
7 Claims. (Cl. 171—97)

1. In combination with a voltage change device, vibrating means having a single motive means, said vibrating means comprising at least two vibrating elements with contacts, one of said elements arranged to interrupt a primary current and the other of said elements arranged to rectify a secondary current, and a mechanical transmission between said vibrating means, having a time delay action.



2,255,300
FUSE CONSTRUCTION
William O. Schultz, South Milwaukee, Wis., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Application August 14, 1939, Serial No. 290,033
15 Claims. (Cl. 200—114)



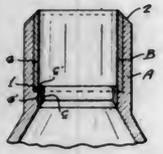
15. A fuse construction comprising a housing having stationary upper and lower contacts and having a lower support, a fuse tube and door assembly, said fuse tube having an upper contact normally engaging said upper stationary contact and having a lower contact normally engaging the lower stationary contact and including a spring pressed contact lever carried by said fuse tube, a lever pivoted on said support and pivotally connected to said fuse tube for guiding the lower end of said fuse tube and door assembly outwardly with reference to said housing while the upper end of said fuse tube and door assembly remains in close proximity to said housing, said spring pressed contact lever remaining in contact with said lower stationary contact for a material portion of the movement of the lower end of said fuse tube and door assembly outwardly and moving away from said lower stationary contact upon completion of the outward motion of the lower portion of said fuse tube and door assembly, a fuse link normally restraining said lever and electrically connecting the upper and lower contacts of said fuse tube, and means for limiting the outward motion of said fuse tube and door assembly while the upper portion of said assembly remains in close proximity to said housing.

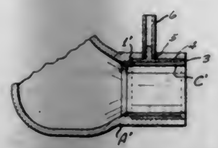
2,255,301

METHOD OF MAKING PIPE-JOINT FITTINGS

Parke H. Thompson, Millville, N. J., assignor of thirty-five per cent to Russell Maguire, New York, N. Y.

Application May 8, 1939, Serial No. 272,376
7 Claims. (Cl. 29—148.2)





1. The method of forming a metallic pipe-joint fitting which comprises cylindrically counterboring the fitting-section from its open end inwardly for a portion of its length, inserting thereinto a fusible thimble sized for substantially replacing the metal removed by said counterboring, interlining the thimble with a relatively non-fusible insert member for holding the material of the thimble in place when molten, fusing the thimble into the section, and subsequently removing the insert member.

2,255,302

POLYMERIZATION OF OLEFINS

Henry J. Welge, Bryan, Tex.

No Drawing. Application August 30, 1938, Serial No. 227,597
3 Claims. (Cl. 196—10)

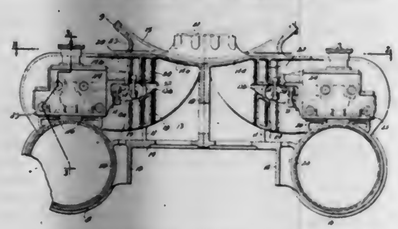
1. The method of polymerizing mono-olefins which comprises subjecting a mono-olefin in gaseous state to contact with a catalyst comprising a bisulphate of an alkali metal in solid form, at a temperature between about 100° C. and the melting point of said bisulphate, and in the presence of water vapor in sufficiently small proportion to substantially avoid the presence of free water in liquid state at said temperature.

2,255,303

LOCOMOTIVE ENGINE

William E. Woodard, Forest Hills, N. Y.

Application January 21, 1938, Serial No. 186,139
30 Claims. (Cl. 105—44)



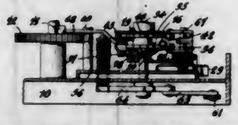
17. In a locomotive engine or the like, a cylinder having portage at each end thereof, for each end a plurality of valves actuated in unison for controlling said portage, and at each end a divided fluid pressure conduit, the branches of which communicate respectively with the individual valves at spaced apart points peripherally of the cylinder, said branches being at least in part in superimposed relation with clearance therebetween for the passage of valve gear mechanism.

2,255,304

COIN-CONTROLLED MAGAZINE SWITCH MECHANISM

Theodore M. Wright, North Tonawanda, N. Y., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y., a corporation of Ohio

Application February 17, 1938, Serial No. 191,041
9 Claims. (Cl. 200—52)



1. A device of the character described, comprising a switch including a displaceable part to be actuated for controlling the opening and closing thereof, a plurality of relatively-movable ratchet wheels, relatively-engageable switch-governing elements applied to said wheels in cooperative relation with said displaceable switch-controlling part for governing the opening and closing of said switch in response to the wheel movements, one of said elements being displaceable by the companion element to govern the switch-controlling part, a plurality of feed pawls operatively associated with one of said ratchet wheels for advancing it different predetermined distances to cause a displacement of the element borne thereto to a switch-closing position, means operatively connected to said feed pawls for independently actuating said pawls to advance said last-named wheel predetermined distances and means for actuating said other ratchet wheel at predetermined times to advance it relatively to the companion ratchet wheel in a direction to cause the element borne thereby to displace the companion switch-governing element to a switch-opening position.

2,255,305

TRIPLE ACTING PUMP

William H. Zehner, Ashland, Ohio, assignor to The F. E. Myers & Bro. Co., Ashland, Ohio, a corporation of Ohio

Application August 11, 1939, Serial No. 289,648
12 Claims. (Cl. 103—4)

1. In a pump, an upper casing, a reciprocating upper plunger therein, stationary sealing means below said plunger for sealing the space in said casing below said plunger, a lower casing, a lower plunger adapted to reciprocate therein, an upwardly opening check valve below said lower plunger, a downwardly opening check valve above said lower plunger, a hollow tube interconnecting said plungers passing through said stationary sealing means, means including said tube connecting the space below said lower plunger with the space below said upper plunger, upwardly opening check valve means allowing fluid to pass upwardly from said tube and said spaces below said plunger through said upper plunger to a point thereabove, and upwardly opening valve means communicating with means forming a fluid passage which interconnects the spaces above said plungers for allowing fluid to pass upwardly from the space above said lower plunger to a point above said upper plunger.

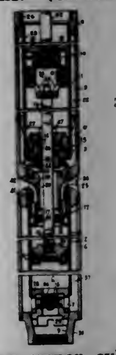


2,255,306

TRIPLE ACTING PUMP

William H. Zehner, Ashland, Ohio, assignor to The F. E. Myers & Bro. Co., Ashland, Ohio, a corporation of Ohio

Application August 11, 1939, Serial No. 289,649
12 Claims. (Cl. 103—4)



1. In a pump, an upper cylinder, an upper plunger reciprocating therein, means carried by said plunger for allowing fluid to pass upwardly therethrough from the space therebelow, an upper casing surrounding said upper cylinder, and forming a chamber therebetween, means providing free fluid communication between the chamber thus formed and the delivery space above said upper plunger, a lower cylinder, a lower plunger reciprocating therein, inwardly opening check valve means therebelow leading into the space therebelow, inwardly opening check valve means thereabove leading into the space thereabove, a lower casing surrounding said lower cylinder and forming a chamber therebetween, said last-named chamber being in free fluid communication with said space below said lower plunger, common means connecting said upper and lower casings and having a passageway providing free fluid communication between said chamber formed between said lower casing and cylinder and said space below said upper plunger and having a passageway connecting with said chamber formed between said upper casing and cylinder and adapted to be placed in communication with said space above said lower plunger, and upwardly opening check valve means controlling the passage of fluid through said last-named passageway.

2,255,307

WEATHER-STRIP GAUGE

Elmer D. Barringer, Cleveland, Ohio

Application January 13, 1941, Serial No. 374,282
3 Claims. (Cl. 33—180)



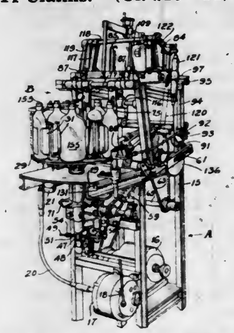
1. As a new article of manufacture, a weather-strip gauge designed for positioning rib members of rib strips in relation to parts of a window frame, the same comprising a handle member formed with a slot shaped to receive the rib of a weatherstrip, and said handle member being formed with a flat gauge contact surface spaced from and opposite the said slot, located at one side of the handle member and parallel with the slot.

2,255,308

LABELING MACHINE

George M. Biner, Los Angeles, Calif.

Application April 6, 1938, Serial No. 200,336
14 Claims. (Cl. 216—54)

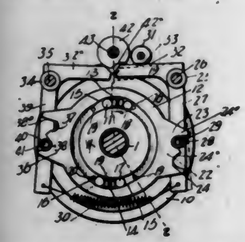


1. A labeling machine comprising an oscillatable label support, a support for a container to be labeled, means to transfer labels from the one support to the other, mechanism to oscillate the label support to and from a position in the path of said transfer means in which position such means may remove a label from the label support, said mechanism being timed so that the label support may move to said position at a different time than said means is ready to receive

a label, and locking means, rendered operative by a container on the container support, locking the label support in its said position until the transfer means removes a label therefrom.

7. In a labeling machine having a support for a supply of labels, an adhesive applying roller mounted to roll across a label while in the stack, a guard to prevent the roller from gumming the edges of other labels in the stack, oscillatable mechanism to transfer the gummed labels successively from the stack to containers, to be pressed in place on successive containers.

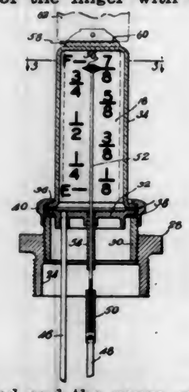
2,255,309
REVERSIBLE FREEWHEEL DEVICE
Gibbs Blackstock, Toronto Ontario, Canada
Application September 3, 1940, Serial No. 355,138
14 Claims. (Cl. 192—47)



1. In a free wheel device, the combination with a fixed stationary part, of a rotatable annulus mounted in the stationary part, a floating member mounted concentrically to the annulus to have limited freedom of angular movement between a drive and a release position, releasable locking means carried by the stationary part and coacting means on the floating member for locking the floating member in the drive position, cam faces on the surface of the floating member, wedging means held freely between the annulus and floating member adapted to coact with the cam faces when the annulus is rotated to turn the floating member from the drive to the release position, obstructions carried by the stationary part in the path of the wedging means to allow coaction when the floating member approaches the release position, whereby the rotation of the annulus from the drive to the release position is prevented when the floating member is in the drive position but not when it is locked in the drive position.

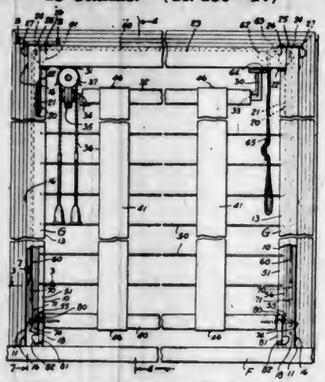
2,255,310
OIL GAUGE
John D'Arcey, Swampscott, Mass.
Application March 25, 1939, Serial No. 264,077
2 Claims. (Cl. 73—317)

1. A gauge adapted to be mounted upon and to indicate the contents of a tank and comprising a head including a casing and a dial enclosed within said casing, a mounting for the head carried by the tank, a float within the tank and riding upon the liquid therein and means connecting said float and head, said means including a rod made of several portions, one of which enters the casing and carries an index finger which is adjacent to and coacts with the dial of the head to indicate the contents of the tank, the finger-carrying portion of the rod being rotatable relative to the remainder of the rod, and the casing being rotatable with the dial relative to the mounting so that upon the rotation of the casing, the dial contacts with the finger and causing rotation of the rod whereby the position of the finger with respect to the



dial is adjusted and the gauge calibrated without removing it from the tank.

2,255,311
VENETIAN BLIND
John T. Butler and Charles A. Sylvester, Pasadena, Calif.
Application July 22, 1940, Serial No. 346,744
19 Claims. (Cl. 156—17)

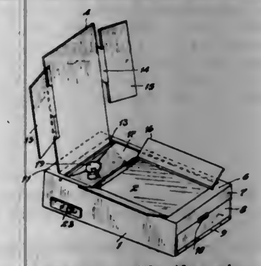


1. In a Venetian blind, guide elements defining vertical guideways for slats and adapted to be secured to opposite sides of a window frame; at least one of said elements being composed of a permanent section and a removable section coacting to define the respective guideway; and means for securing the removable section to the permanent section.

2,255,312
TRIPLE MIRROR ILLUMINATED COMPACT
William Dawson, Toronto, Ontario, Canada
Application February 24, 1941, Serial No. 380,212
In Canada December 11, 1940
3 Claims. (Cl. 132—83)

1. A compact of the class described comprising a case having a compartment accessible by an opening, a closure for said opening including an interior mirror that is swung to a backwardly inclined position in the opening of the closure, wing mirrors at the sides of said mirror, and supports mounting said wing mirrors on the closure so that they may unfold outwardly when

the closure is opened, the structure being characterized in that the said supports project inwardly from the closure and are hinged to the

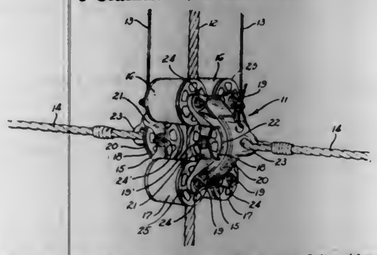


wing mirrors which enable the wing mirrors to fold flat in co-planar relation so as to occupy a minimum of space when not in use.

2,255,313
ETHYLENIC-ALPHA-BETA SYNTHETIC RESINS AND PROCESS OF MAKING SAME
Carleton Ellis, Montclair, N. J., assignor to Ellis-Foster Company, a corporation of New Jersey
No Drawing. Application August 6, 1937, Serial No. 157,729
6 Claims. (Cl. 260—42)

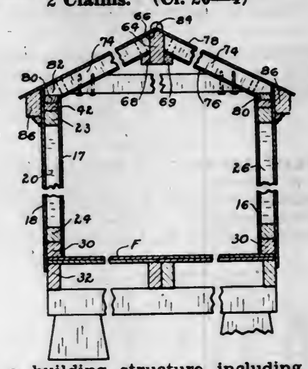
1. The process of making a hardened light-colored resinous product which comprises reacting an ethylene-alpha-beta dicarboxylic acid with a glycol, in such proportions that there are present in the reacting mixture, about one carboxyl group in such unsaturated acid to one hydroxyl group in such glycol, to an advanced stage of esterification but short of becoming completely insoluble and infusible, until a product of low acid number is produced which is soluble in a liquid monomeric unsaturated polymerizable compound containing an ethylenic linkage, incorporating the product of such esterification with a liquid monomeric unsaturated polymerizable compound containing an ethylenic linkage, and thereafter subjecting said solution to conjoint polymerization.

2,255,314
ROLLER MOUNTING
Adelbert M. Graham, Beverly Hills, Calif., assignor to Walter G. L. Smith, Los Angeles, Calif.
Application July 31, 1939, Serial No. 287,599
9 Claims. (Cl. 308—18)



2. In a pulley mounting, the combination of: a frame arm formed with an open-ended slot therein, said slot being counterbored partway through said frame arm at its inner end to a larger diameter than the width of said slot; a shaft snugly seated in said slot having a threaded portion adjacent the counterbored side of said frame arm; an end thrust element longitudinally securable on said shaft and bearing against the side of said frame arm opposite said counterbore; a washer on said rod snugly seated in said counterbore; a nut threaded upon said threaded portion of said shaft and bearing against the outer face of said washer; and a travel stop for said nut removably fastened on said shaft beyond and spaced from said nut a distance less than the depth of said counterbore, said nut being free to turn with respect to said cotter pin.

2,255,315
HOUSE CONSTRUCTION PANEL
Edmondston Hamilton, Seattle, Wash.
Application October 17, 1938, Serial No. 235,521
2 Claims. (Cl. 20—4)



1. In a building structure including a floor having a fixed edge rail, a key plate, and an auxiliary plate disposed upon said key plate, a wall unit comprising inner and outer panels spaced apart from each other, an upper cross rail between said panels inset from the upper edges thereof to form a cross-groove for the reception of the key plate and auxiliary plate, the upper edge of the outer panel projecting upwardly beyond the upper face of the auxiliary plate and the upper edge of the inner panel terminating flush with the upper face of the auxiliary plate whereby roof joists resting thereon will have their ends enclosed by the upwardly projecting outer panel.

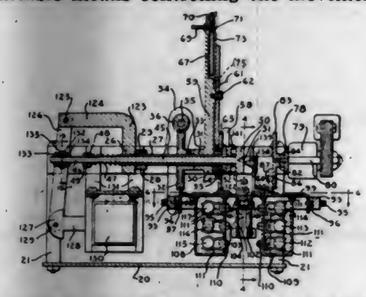
2,255,316
AROMATIC SULPHOCARBOXYLIC ESTERS
Benjamin R. Harris, Chicago, Ill.
No Drawing. Application June 24, 1939, Serial No. 280,911
7 Claims. (Cl. 260—400)

2. A derivative of an aliphatic polyhydroxy substance, the hydrogen of at least one hydroxyl group of which is substituted by a sulpho-aromatic carboxylic acid acyl radical, and the hydrogen of at least one hydroxyl group of the polyhydroxy substance is substituted by an aliphatic radical containing from eight to eighteen carbon atoms.

2,255,317
CONTROLLING DEVICE
Lyndus E. Harper, Kansas City, Mo.
Application March 2, 1938, Serial No. 193,542
26 Claims. (Cl. 74—1)

1. The combination with a shaft and means for rotating the same, of means for regulating the speed of said shaft in accordance with a variable condition the variations of which are entirely in-

dependent of the rotation of said shaft, comprising a member periodically rotated by said shaft, adjustable means controlling the movements of



said member, and means responsive solely to the variations in said condition for adjusting said adjustable means.

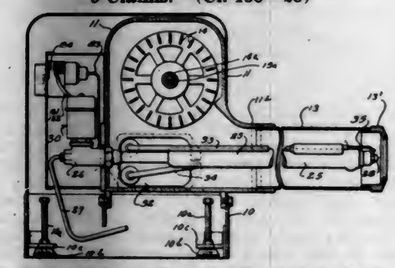
2,255,318

CONTROL APPARATUS FOR OIL BURNERS

James R. Hawley, Seattle, Wash., assignor to Mechanical Products Manufacturing Company, (not incorporated), Seattle, Wash.

Application August 21, 1939, Serial No. 291,148

9 Claims. (Cl. 158—28)



1. In an oil burner an oil delivery tube equipped with an atomizing nozzle at its delivery end, a valve in the tube for controlling the flow of oil therefrom to the nozzle, an electric heating element associated with the tube for heating the oil contained therein, an electric circuit for the heating element including a cut-out switch, a device adapted to be electrically energized to open the control valve, an electrically energized time delay switch operable to energize said device after a predetermined time interval with reference to energization of the time delay switch, and a control switch common to the circuits of the heating element and the time delay switch.

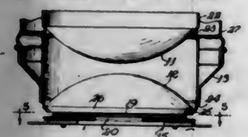
2,255,319

PHOTOGRAPHIC ENLARGER

Milton B. Kanter, Chicago, Ill.

Application August 12, 1939, Serial No. 289,755

8 Claims. (Cl. 88—24)



1. In a photographic enlarger the combination of a horizontal negative carrier plate and an underlying apertured mask secured to it in a unitary assembly, means including a floatingly mounted condensing lens arranged above said plate for holding a negative in position on the upper surface of said plate, and means supporting said unitary assembly for swiveling motion about a vertical axis, said floatingly mounted condensing lens serving to hold a negative in place on said carrier plate during the swiveling motion of the latter.

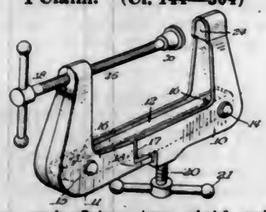
2,255,320

CLAMP

Charles J. Kotchi, Chicago, Ill., assignor, by direct and mesne assignments, to Joseph Pondelick, Chicago, Ill.

Application March 27, 1940, Serial No. 326,241

1 Claim. (Cl. 144—304)



A clamp embodying two rigid substantially L shaped members, one of the arms of one member being arranged in longitudinal alinement with an arm of the other member, the other arms of said members being spaced and substantially parallel, a link disposed entirely within the space between the said alined arms and the extremities of the other arms and pivotally connected by its ends respectively to the said members at points remote from the proximate ends of said alined arms, the free end of the other arm of one of said members constituting a work engaging area, a screw passing through the free end of the opposite arm of the other member and cooperating with said work engaging area to clamp the work therebetween, and a screw passing through one of the said alined arms and engaging the said link intermediate its ends and remote from said pivotal connections to effect a relative pivotal movement of the said members after the clamping action is effected, to impart a further clamping action to one of said members upon the work, the proximate extremities of said alined arms overlapping and serving only to effect a pivotal movement of one of the members when the other member is pivotally moved to any considerable extent.

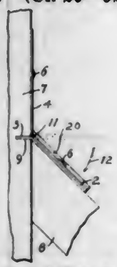
2,255,321

THRUST CLIP

Edward W. Kress, San Jose, Calif.

Application February 7, 1940, Serial No. 317,692

3 Claims. (Cl. 20—92)



1. A thrust clip, comprising a flexible sheet

metal member doubled upon itself at one end to form a rigid two ply body portion, the free end of one of the plies of said body portion being sharp and adapted to be driven into a support to anchor said clip, the free end of the other ply being hingedly connected to said body portion inwardly of the free end of said first ply, each of said plies of said body portion having a plurality of corrugations extending from points adjacent the sharp free end to the line of fold of said body portion, and said body portion and said hingedly connected ply having apertures therein for securing elements.

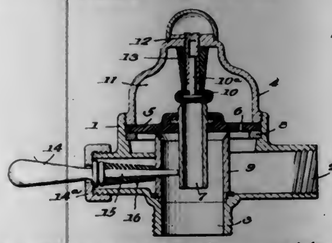
2,255,322

DIAPHRAGM AND PRESSURE OPERATED VALVE

Jesse D. Langdon, Los Angeles, Calif.

Application March 26, 1940, Serial No. 326,089

3 Claims. (Cl. 137—93)



1. A pressure operated valve comprising a casing having an inlet and outlet, a pressure chamber between said inlet and outlet, one side of said pressure chamber provided with an exhaust port normally closed by a tiltable valve member forming one side of said pressure chamber and having a rim made of material flexible enough to deform and elastic enough to resume normal shape after being deformed, the periphery of said tiltable valve member contacting the inner circumference of said casing sealing said pressure chamber, relief valve means provided adjacent to and registering with said exhaust port, a bypass for pressure fluid communicating between said pressure chamber and said inlet, valve tilting means associated with said tiltable valve member, said tiltable valve member registering with said outlet to close same and capable of being tipped to exhaust said pressure chamber and open said outlet simultaneously, said tiltable valve member serving the multiple purpose of sealing said pressure chamber, opening and closing the exhaust port of said pressure chamber as well as said outlet.

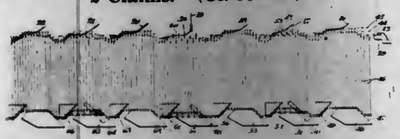
2,255,323

METHOD OF KNITTING

Jack Markowitz, Brooklyn, N. Y., assignor to Pennant Knitting Mills, Inc., Brooklyn, N. Y.

Application April 6, 1940, Serial No. 328,168

2 Claims. (Cl. 66—12)



1. In a method of knitting on a circular open-top latch needle machine, the steps of elevating successive needles to yarn taking positions, operatively supplying yarn to said needles, drawing down said needles to a casting-off level for operatively knitting previously formed stitches, elevating certain of said needles substantially to tuck level, operatively supplying to said elevated needles stretched elastic yarn, depressing the needles to a casting-off level thereby forming floats of the stretched elastic yarn across the needles that were not elevated at the tuck feed, elevating the needles to a latch-clearing position, operatively supplying a double strand of reinforcing yarn to the needles at said latter position, and drawing down the needles to a casting-off position for tying in with said reinforcing yarn the stretched elastic yarn.

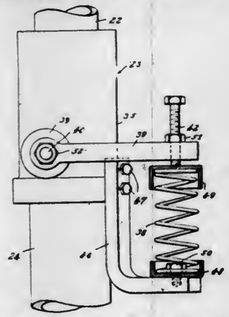
2,255,324

FLOW REGULATING VALVE

Chester T. McGill, Elgin, Ill., assignor to Elgin Softener Corporation, Elgin, Ill., a corporation of Illinois

Application February 15, 1938, Serial No. 190,660

10 Claims. (Cl. 137—152)



1. In a fluid flow regulating device of the character described, a tubular body having inlet and outlet openings at its opposite ends, a flapper pivotally mounted in said body intermediate the ends thereof on an axis transverse in relation to the longitudinal axis of the body and offset laterally therefrom to an edge portion of the flapper and next to the wall of the body, said flapper being of a size and shape to fit freely in the bore of said body so as to substantially restrict but not shut off flow through said bore when disposed substantially at right angles to the longitudinal axis of the body, a lever swingable with the flapper but outside said body, said flapper tending to assume a position at right angles to the longitudinal axis of the body by reason of its mass and being movable toward such right angle position in response to flow through said body from the inlet to the outlet, and spring means cooperating with said lever to position the flapper inclined toward the inlet end of the body at an acute angle to the longitudinal axis of said body and resisting the movement thereof to the right angle position, the resistance increasing as the flapper moves toward the right angle position.

2,255,325

REAGENT FEEDER

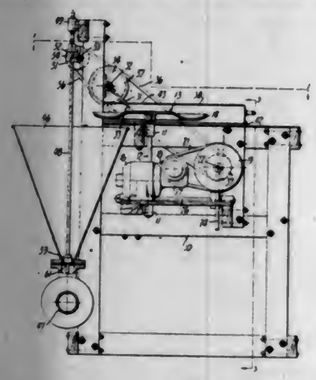
Louis D. Mills, Palo Alto, Calif., assignor to The Merrill Company, San Francisco, Calif., a corporation of California

Application February 6, 1939, Serial No. 254,865

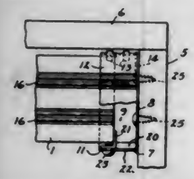
7 Claims. (Cl. 221—125)

2. In a machine for feeding measured quantities of a divided material like metallic dust,

means forming an annular surface for supporting a measured quantity of the material, said surface being mounted for rotation about a vertical axis, the surface being concavely curved to retain the charge of material, means for rotating said supporting surface at a constant rate, a wiper arm mounted for rotation about a horizontal axis located above said surface, the free end of said wiper arm being adapted to contact and wipe across said surface, and means for rotating said wiper arm at a constant rate.



2,255,326
VENETIAN BLIND
Louis Mintz, Cleveland, Ohio
Application September 4, 1940, Serial No. 355,286
3 Claims. (Cl. 156—17)



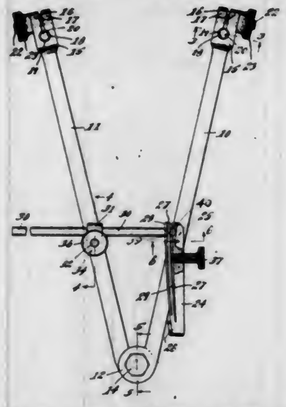
1. The combination with the head rail of a Venetian blind, of brackets adapted to be mounted within a window frame at opposite sides of the frame opening, each bracket comprising a sheet metal member having inwardly extending top and bottom flanges spaced to receive an end of the head rail between them, a front closure plate extending across the space between the front ends of the top and bottom flanges of each bracket and shaped to conform to the front face of the head rail, a hinge connection between one end of each closure plate and the forward end of one of said flanges of a bracket whereby each closure plate may be swung to an open position to permit an end of the head rail to be inserted between the top and bottom flanges of its bracket, a latching connection between the free end of each closure member and the other flange of its bracket for holding the closure plate in head rail retaining position, a head rail positioning member mounted on one of the flanges of each bracket and engageable with an end of the head rail, each positioning member being mounted for movement in the direction of the length of the head rail with which it engages, and means for securing each of said positioning members in various adjusted positions on its flange.

2,255,327
CHAIR
Erving B. Morgan, Grand Rapids, Mich., assignor to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application November 18, 1938, Serial No. 241,091
3 Claims. (Cl. 155—184)



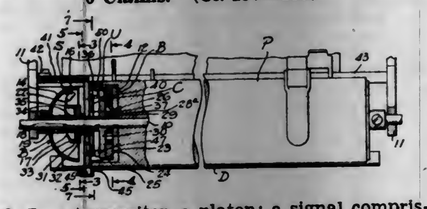
1. A chair back comprising: a rearward fixed member having a socket; a forward upholstery member movable along the fixed member into engagement in the socket, the upholstery member having a rigid rear part with a groove in its rearside extending parallelly with its peripheral edge, a flexible front part and a rod inserted into the groove with the peripheral edge portion of said front part held in the groove by the rod; and means for detachably connecting said members in assembled position including a catch pivoted on the rear side of the upholstery member and turnable into and out of a position over the groove for holding the rod therein, and a screw journalled in the catch and in said position thereof turnable in an internally threaded portion of the fixed member for moving the upholstery member into and holding the same in the socket in the assembled position of said members.

2,255,328
SPACE MEASURING DEVICE
John Nyberg, Chicago, Ill.
Application December 14, 1940, Serial No. 370,173
8 Claims. (Cl. 33—154)



1. A space measuring device of the class described including a pair of arms pivotally connected at one end and disposed in the same plane, clamps at the free ends of the arms, pointed pins held in said clamps and extending in one direction substantially at right angles to the plane of the arms, and an adjustable connection between the arms, said connection including a bar pivoted to one of the aforesaid arms, a spring mounted on the bar, a clamp carried by the other arm and a rod carried by the spring and engaged with the last mentioned clamp for adjustment along the length of the rod to vary the spacing of the arms.

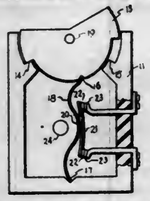
2,255,329
SIGNALING DEVICE FOR TYPEWRITERS
James Y. Payton, Los Angeles, Calif., assignor of one-fifth to Louis E. Payton, Los Angeles, Calif.
Application December 6, 1939, Serial No. 307,790
6 Claims. (Cl. 197—189)



3. In a typewriter, a platen; a signal comprising a bell and a striker for sounding the bell; a rotary actuator having means with which the striker co-acts to sound the bell in response to rotation of the actuator in one direction; a spring operatively connecting the platen and rotary actuator and adapted to be wound when the platen is rotated to advance a sheet of paper and said actuator is held against rotation; a control member; means confining the control member against rotation and mounting the latter for vertical movement transversely of the platen axis to normally gravitate to a lowered position; means on the control member adapted to co-act with a sheet of paper when extended around the platen, in moving the control member to a raised position; the actuator and control member having fixed pins co-actable in the raised and lowered positions, respectively, of the control member, to prevent or permit rotation of the actuator, whereby the spring will be wound during the typing operation and the bell will be sounded when the bottom edge of the sheet clears the paper co-acting means; the pins presenting such relatively small areas to each other in the direction of rising movement of the control member that incomplete rising movement of the latter due to the pins obstructing such movement, will be obviated.

2,255,330
SWITCH
Elwood T. Platz, Detroit, Mich., assignor to Bulldog Electric Products Company, Detroit, Mich., a corporation of West Virginia
Application June 5, 1941, Serial No. 396,686
14 Claims. (Cl. 200—113)

1. A snap switch arranged for manual actuation and for automatic release on overload comprising a stationary contact, a handle, a snap spring, and a bimetal element on said spring and formed with a movable contact for engaging said stationary contact, with the parts so arranged that handle movement flexes the spring to cause snap movement thereof and the element thereon to and from the stationary contact and on an overload, the bimetal warps to leave the stationary contact, and to flex the spring and snap it to open circuit position, free of the handle if the latter be held.

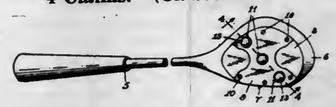


2,255,331
DISPLAY AND DISPENSING CARTON
Louis B. Pospisil, Seattle, Wash.
Application February 14, 1939, Serial No. 256,361
3 Claims. (Cl. 206—42)



1. A carton for fragile articles comprising a tray holder, a tray slidable in said holder and having means for retaining the articles in the order of a series of rows, said holder having a discharge opening for each row whereby articles may be discharged from any row one at a time upon relative adjustment of said tray and holder, a transparent strip initially secured to said holder and closing said discharge openings and serving to display some of the contents of said rows and adapted to be sectionally removed or disrupted from said openings for selectively releasing a row of articles for discharge, and a sheet of transparent material sealed onto said tray and covering the articles and being scored between said rows for sectional removal corresponding to sectional removal of said strip to release a selected row and retain articles in un-released rows against discharge.

2,255,332
GOLF CLUB
James M. Russell, Edmonds, Wash.
Application December 7, 1940, Serial No. 369,077
4 Claims. (Cl. 273—77)

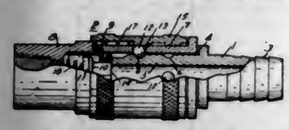


1. The combination with a golf club comprising a head having a bottom face, of a plurality of balls revolubly mounted in said bottom face and projecting outwardly therefrom, and said balls disposed in spaced apart relation diagonally across said bottom face whereby they will more readily engage the ground when making a stroke with the club.

2,255,333
COUPLING
Albert T. Scheiwer, Erie, Pa.
Application October 8, 1938, Serial No. 234,061
6 Claims. (Cl. 284—19)

1. A coupling comprising a male member hav-

ing a connecting portion with a plurality of peripheral grooves, a female member, and a plurality of ball members for engaging said grooves



and said female member at laterally disposed points on said connecting portion of said male member and said female member.

2,255,334
COUPLING
Albert T. Scheiwer, Erie, Pa.
Application October 8, 1938, Serial No. 234,062
2 Claims. (Cl. 284—4)

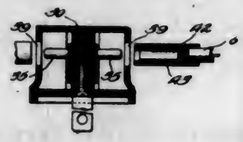


1. A coupling comprising a male member having a connecting portion with a peripheral groove, a female member comprising a cylindrical shell, ball members carried by said shell for engagement with said groove, a telescopically disposed sleeve on said shell for holding said ball members in engagement with said groove to secure said male and female members together, a cover disposed on said sleeve for sealing the open end of said female member when said male and female members are disconnected and a cam member integral with said cover movable into the opening in said shell when said male and female members are disconnected and adapted to automatically move said cover to an open position when said sleeve is moved on said shell to free said ball members whereby said male member may freely enter said female member.

2,255,335
PROCESS OF REPRODUCING WOOD GRAINS
Paul C. Schroeder, Minneapolis, Minn., assignor of fifty-one one-hundredths to Nairne W. Fisher, Minneapolis, Minn.
No Drawing. Application August 10, 1939, Serial No. 289,431
3 Claims. (Cl. 41—24)

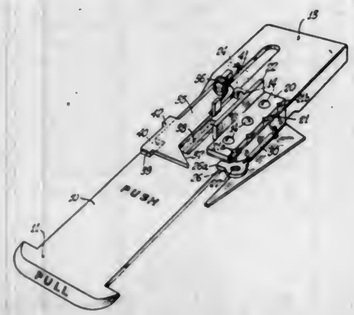
3. The process of decorating plastic surfaces with grain designs of wood finishes in intaglio, which comprises etching the surface of the wood specimen with a weak acid solution to remove the softer portions of the wood to increase the depth of the grain thereof, next forming a matrix with a relatively soft impression face of elastic material which may be bent into cylindrical form and casting same against the etched surface of the wood specimen to provide in the face of the matrix an impression surface the reverse of the grained surface of the specimen, next providing the plastic impression receiving surface to be decorated, thereafter impressing said plastic surface with said matrix and allowing said surface to harden to provide therein a duplicate of the wood finish being reproduced, and finally covering the impressed hardened plastic surface with a coating composition and rubbing the coated surface to produce an ornamental finish resembling natural wood.

2,255,336
ELECTRIC PLUG
Emiel P. Seghers, Chicago, Ill.
Application October 19, 1939, Serial No. 300,125
2 Claims. (Cl. 173—334)



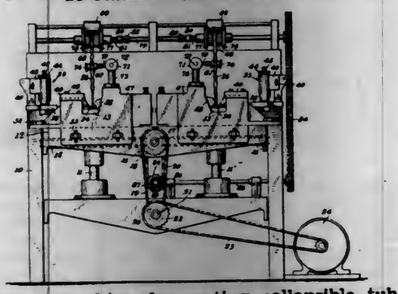
1. In an electric plug, a pair of current carrying members each comprising, an L shaped rigid member the longer leg of which forms a prong, a flexible member fixed to the shorter leg of said first member and extending therefrom in substantial parallelism to said prong, a contact integral with said flexible member and extending from the end thereof back at an angle toward said shorter leg, a base integral with said flexible member and disposed at right angles thereto and to said prong, a male terminal projecting from said base, a casing composed of insulating material and having internal cavities for receiving said current carrying members and holding the same with said prongs and bases disposed in substantially parallel planes, said casing having perforations through which other plug prongs may extend to engage said contacts and having other perforations through which female terminal members may extend and engage said male terminals, and means including a disk having perforations through which said prongs extend for holding said current carrying members in said casing.

2,255,337
COIN SLIDE
Joseph W. Srodulski, Chicago, Ill.
Application September 29, 1939, Serial No. 297,050
3 Claims. (Cl. 194—1)



1. In a coin slide, a combination guide and full stroke ratchet in the form of an angle bracket attached with one flange flush against a side of the slide and said flange having a serrated ratchet edge in the direction of the length of the slide close to an edge thereof, said angle bracket having its other flange projected normally from the plane of the slide, and engaged in guiding means extending longitudinally of the slide, said ratchet edge of the bracket being adapted for cooperation with a full stroke dog.

2,255,338
SLUG-CASTING MACHINE
George W. Temple, New York, N. Y., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application October 2, 1939, Serial No. 297,459
13 Claims. (Cl. 22—57)



1. In a machine for casting collapsible tube slugs, means for continuously casting a series of spaced slugs connected integrally with a ribbon means for continuously shearing off the ribbon from the slugs to trim the slugs, and means for continuously advancing the sheared ribbon into position for remelting by said casting means, said last-mentioned means comprising a first roller carried by the frame in the path of the sheared ribbon and having the axis thereof arranged at an angle to the plane of the sheared ribbon to change the direction of advance of the ribbon and to twist the ribbon, a pair of cooperating rollers in spaced relation to the first roller, the axes of said cooperating rollers being parallel to each other and substantially parallel to the axis of the first roller, said pair of rollers receiving therebetween the ribbon from the first roller and further advancing the ribbon, and means to drive one of the pair of rollers.

2,255,339
CLAMP FOR TELEPHOTO RECEIVERS
Louis A. Thompson, Lakewood, Ohio, assignor to Acme Newspictures, Inc., New York, N. Y., a corporation of Delaware
Application July 22, 1940, Serial No. 346,704
8 Claims. (Cl. 178—13)

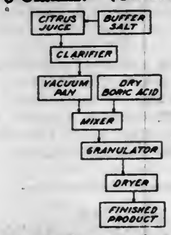


1. In combination with a telephoto receiver or transmitter, a drum, means for holding a sheet of material on the drum comprising a bar extending longitudinally of the drum, means for resiliently connecting said bar to the drum, and means for holding the bar away from the drum and releasable by said sheet of material to cause the bar to descend and clamp the material to the drum when the edge of the sheet is inserted under the bar.

2,255,340
BREAKFAST CEREAL
Florence Welch, Omaha, Nebr.
No Drawing. Application December 5, 1938, Serial No. 244,034
2 Claims. (Cl. 99—81)

1. The process of preparing a puffed breakfast cereal which consists in impregnating particles of a starchy cereal with edible salts containing moisture, one of said salts being sodium bicarbonate for removing the "raw" taste of the cereal, the other of said salts being sodium chloride, coating said particles with albumen and an edible oil or fat to provide a coagulated coating for said particles, and then heating the mass to a temperature required for disrupting the starch grains but below the temperature required for converting the starch into dextrin, said salts serving to increase the puffing action of the cereal particles against said coagulated coating whereby thorough rupture of the particles is obtained.

2,255,341
COMPOSITION OF CITRUS FRUIT CONSTITUENTS AND BORIC ACID AND METHOD FOR MAKING THE SAME
Clarence Walter Wilson, Norco, Calif., assignor to California Fruit Growers Exchange, Los Angeles, Calif., a corporation of California
Application April 13, 1939, Serial No. 267,704
8 Claims. (Cl. 167—85)

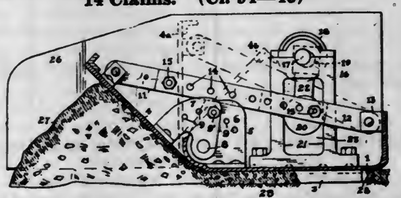


1. In a method of preparing a new composition of matter, the steps of mixing borax with lemon juice until the pH of the mixture lies between 3.4 and 3.6, allowing the juice to settle, separating the slurry, adding boric acid in approximately the amount as determined by the formula:

2.9×wt. anhyd. cit. acid in juice—wt. total solids in juice—0.528×wt. borax added

drying the mixture, mixing in 78.6 parts of boric acid moistened with 2.1 parts water for every 100 parts of dried mixture, and drying in a current of warm air, whereby there is produced a dry, stable product having a brilliant lemon yellow color.

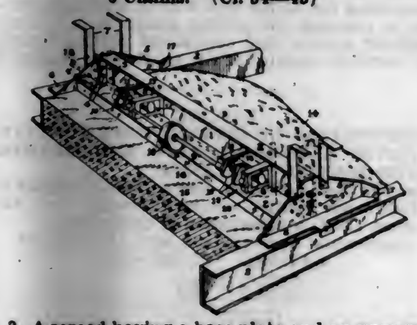
2,255,342
APPARATUS AND METHOD FOR MAKING CONCRETE ROADWAYS
Robert W. Baily, Philadelphia, Pa.
Application February 15, 1930, Serial No. 428,747
14 Claims. (Cl. 94—45)



1. A method for treating plastic material to compact the same, expel air therefrom and bring the surface thereof to approximately a predetermined surface contour, comprising advancing thereover a screed for engaging and striking off the part of the body of the material projecting above the elevation of the desired contour, and

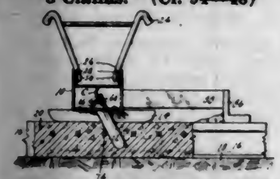
vibrating the same in planes approximately parallel to the forward direction of the travel of the screed.

2,255,343
APPARATUS FOR MAKING CONCRETE PAVEMENTS
Robert W. Baily, Philadelphia, Pa.
Application February 7, 1931, Serial No. 514,124
6 Claims. (Cl. 94—45)



3. A screed having a base plate and an upwardly extending front plate, a transverse drive shaft mounted on one face of said front plate, off-center weights connected at spaced intervals to said drive shaft, and means for rotating the drive shaft whereby vibrations are imparted to the screed.

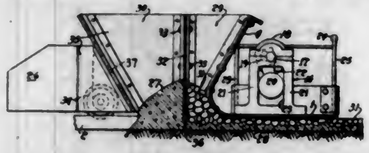
2,255,344
APPARATUS FOR CONSOLIDATING PLASTIC MATERIALS BY MEANS OF INTERNALLY APPLIED VIBRATIONS
Robert William Baily, Narberth, Pa.
Continuation of application Serial No. 725,580, May 14, 1934. This application September 6, 1938, Serial No. 228,625
8 Claims. (Cl. 94—48)



1. In a road paving machine adapted to travel along a prepared roadway upon which has been distributed an unset and uncompacted concrete mixture, partially submerged tubular vibratory means inclined downwardly and rearwardly relative to the forward end of the machine and adapted to be advanced so that the submerged portion of said vibratory means is moved through the concrete with the forward movement of said machine.

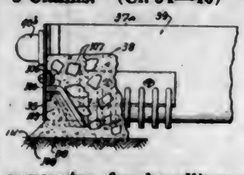
2,255,345
APPARATUS AND METHOD FOR MAKING CONCRETE ROADWAYS
Robert William Baily, Narberth, Pa.
Original application February 15, 1930, Serial No. 428,747. Divided and this application August 7, 1939, Serial No. 288,825
7 Claims. (Cl. 94—46)

1. In apparatus of the kind described for depositing material in superposed strata, an elongated hopper arranged for propulsion at a predetermined elevation over a supporting medium, and having an orifice in the bottom, a vertically adjustable dividing member rigidly attached at the ends of the hopper, for dividing the hopper into compartments, said member projecting downwardly through said orifice, and serving to strike off material passing from the first compartment, the rearward wall of said



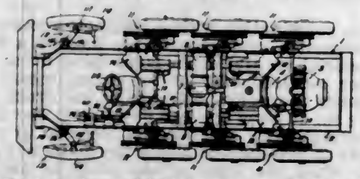
hopper having a curved portion extending downwardly and rearwardly into a rearward extension for affording a strike off and surface vibrating means, vibrating means mounted upon and vibrating said extension and the hopper and said dividing member, for vibrating the material as it is deposited.

2,255,346
APPARATUS FOR MAKING CONCRETE ROADWAYS
Robert William Baily, Narberth, Pa.
Application August 7, 1939, Serial No. 288,826
3 Claims. (Cl. 94—46)



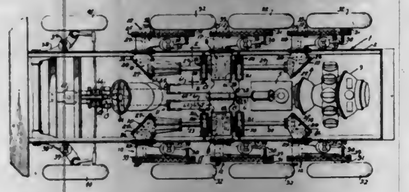
1. In an apparatus for handling material, a hopper having a discharge orifice at its lower end, a plurality of spaced means projecting inwardly and inclined downwardly from a wall of the hopper, for permitting passage of material particles of certain sizes and for guiding material particles of larger sizes inwardly away from the hopper wall, said means being of such length as to permit the larger particles to pass freely over their inner ends and means for vibrating the hopper wall and the means.

2,255,347
AUTOMOTIVE DEVICE
Floyd de L. Brown, New York, N. Y.
Application May 16, 1939, Serial No. 274,027
21 Claims. (Cl. 180—1)



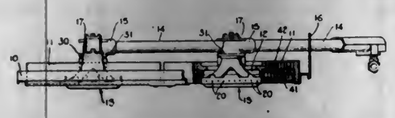
1. In a motor vehicle having a chassis and a main drive mechanism, the combination of a plurality of freely suspended drive wheel assemblies, a wheel raising mechanism consisting of means to raise in relation to said chassis a selected pair of the said wheel assemblies, and means to disconnect the selected wheels from the main drive mechanism of the vehicle during the raising operation.

2,255,348
MOTOR VEHICLE
Floyd de L. Brown, New York, N. Y.
Application June 26, 1939, Serial No. 281,303
2 Claims. (Cl. 180—17)



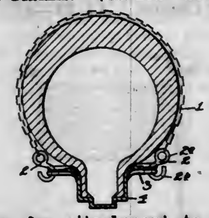
1. In a motor vehicle having a plurality of drive wheels on each side of the vehicle and a main drive mechanism from which torque is supplied through a differential to opposed drive shafts, said drive shafts being designed to drive two drive wheels mounted on opposite sides of the vehicle, opposed auxiliary shafts rigidly mounted on opposite sides of the vehicle and designed to supply torque to the remaining drive wheels supporting the corresponding sides of the vehicle, means connecting the auxiliary shafts mounted on each side of the vehicle to the opposed drive shaft which supplies power to that side of the vehicle, a braking mechanism mounted on each of the auxiliary shafts and adapted to supply the braking effect through the said shafts and connecting means to the drive wheels which support the motor vehicle, a pair of pedals which are mounted in such a manner that they may be operated independently, an equalizing means connected to each of the pedals, and means connecting the braking mechanisms mounted on opposite sides of the vehicle to separate equalizing means whereby movement of one of the pedals will be transmitted equally to the braking mechanisms located on one side of the vehicle.

2,255,349
BURNER
Henry Nunn Christmas, Mount Vernon, N. Y., assignor to Robert P. Sniffen, New York, N. Y.
Application January 21, 1939, Serial No. 252,055
2 Claims. (Cl. 158—116)



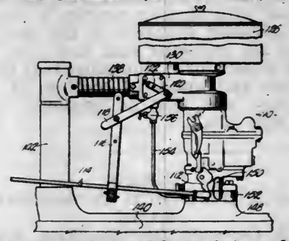
1. An improved broiler comprising, in combination, a framework, a ceramic broiler element mounted thereon and provided with a plurality of projecting heat radiating points and with a centrally arranged orifice, a gaseous fuel burner secured to the framework and extending through the orifice, said burner having a hollow tubular substantially rectangular base in the form of a hollow square, a plurality of perforations on the peripheral edge of the base to direct gaseous fluid in a direction parallel to the ends of the plurality of heat radiating points, and a plurality of projections arranged in spaced relation on the base for engaging with the ceramic broiler element about the perimeter of the said orifice, whereby the base is maintained out of contact with the broiler element and free circulation of air about the base is permitted.

2,255,350
CROSS CHAIN FOR AUTOMOBILE TIRES
James E. Devlin, Worcester, Mass.
Application December 29, 1939, Serial No. 311,613
5 Claims. (Cl. 152—233)



1. A clamp for attachment to a wheel rim comprising a pair of members, each of which has its inner edge curved to conform to the curvature adjacent the edge of the rim, said members having interengaging elements thereon to hold said members against relative movement, bolts passing through said members for urging the members toward each other, thereby clamping the inner edges of the members against the opposite sides of the edge of the wheel rim, and one of said members having means thereon for attachment of the opposite ends of a cross chain thereto.

2,255,351
AUTOMATIC CONTROL HEAD FOR BREATHER SYSTEMS
Adolph C. Dressler, Miami, Okla., assignor to Dieselair Corporation, Miami, Okla., a corporation of Delaware
Application January 12, 1940, Serial No. 313,577
10 Claims. (Cl. 123—119)



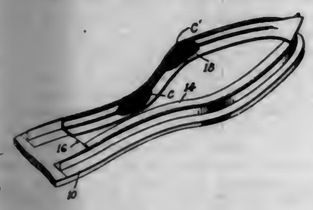
2. The combination with an internal combustion engine having a carburetor provided with an air intake, and a crankcase chamber, of means for conveying vapors evolved within the crankcase to the air intake of the carburetor, said means comprising a chambered head provided with an air intake port, an air outlet port in connection with the air intake of the carburetor, and a vapor inlet opening; a conduit joining the crankcase chamber and said vapor inlet opening; a rotary valve member in the head for controlling the entrance of vapors into the latter through the vapor inlet opening thereof; and parts joining the throttle of the carburetor and the valve member to rotate the latter about its axis as the throttle is opened and closed, said rotary valve having an arcuate seat formed by the head engaging diametrically opposite portions of the valve, said valve being provided with a plurality of passageways formed transversely therethrough and disposed to be successively closed by said arcuate seat as the valve is rotated about its axis toward one end of its path of travel closing the vapor inlet, said rotary valve having laterally projecting flexible ribs thereon for wiping the valve seat as the valve is rotated.

2,255,352
BATON
Walter Greenquist and Robert Gruetzman, Florence, Wis.
Application October 17, 1940, Serial No. 361,645
3 Claims. (Cl. 84—477)



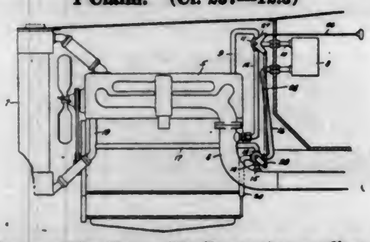
3. A twirling baton comprising a hollow substantially cylindriform body formed with a flag receiving slot, a flag extending through said slot and provided with inner and outer ends and with the outer end formed with a hem, and spring actuated means mounted within said body and attached to said inner end for urging said flag into said body, the faces of said body defining the sides of said slot being disposed in close spatiality and formed with recesses defining a hem receiving seat disposed inwardly of the periphery of said body for receiving said hem and coacting with said means for maintaining said hem within the seat and marginal confines of said periphery and said flag in tensioned condition through said slot.

2,255,353
INSOLE AND METHOD OF MAKING THE SAME
Stanley M. Griswold, Newton, Mass., assignor to B. B. Chemical Co., Boston, Mass., a corporation of Massachusetts
Application August 25, 1939, Serial No. 291,939
26 Claims. (Cl. 12—146)



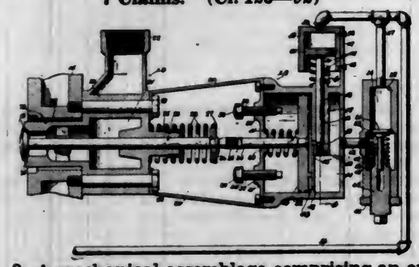
1. An insole having an upstanding rib and a reinforcing narrow strip along each side of the insole extending from the breast line to the toe end, one portion of each strip being secured to the body of the insole and another portion of each strip to the inner face of the rib, said strips extending to and overlapping each other at the extreme toe end of the insole doubly to reinforce the rib where the strips overlap.

2,255,354
HEATING UNIT
Eldo Hackerd, Frankfort, Ind.
Application May 16, 1939, Serial No. 273,991
1 Claim. (Cl. 237—12.3)



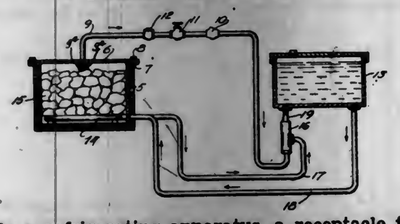
The combination with the water cooling system and exhaust pipe of a motor vehicle internal combustion engine; of a heating system comprising a radiator mounted in the vehicle; a water heating pipe within the exhaust pipe, the ends thereof extending through the wall of the exhaust pipe; a first supply pipe and a first return pipe connecting the ends of the water heating pipe with the cooling system; a second supply pipe connecting the radiator with the first supply pipe at the junction of the first supply pipe and the water heating pipe; a second return pipe connecting the radiator with the first return pipe at the junction of the first return pipe and water heating pipe; a valve at the first mentioned junction arranged to provide communication between the first supply pipe, the water heating pipe and the second supply pipe in one position, and between the first supply pipe and second supply pipe only in another position of the valve; and a valve and drain pipe at the second mentioned junction, arranged to provide communication between the second return pipe and the water heating pipe only in one position, and independent communication between the first and second supply pipes, and the water heating and drain pipes respectively in the other position of the valve.

2,255,355
INJECTOR VALVE-ACTUATOR
Barnie G. Harris, Pampa, Tex., assignor of one-half to Jones-Everett Machine Co., Pampa, Tex., a copartnership composed of Monrowe W. Jones and Charles H. Everett
Application October 22, 1940, Serial No. 362,269
7 Claims. (Cl. 123—92)



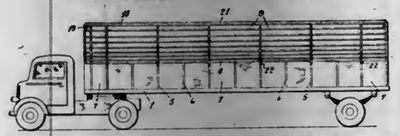
3. A mechanical assemblage comprising an engine having a fuel injector valve, a working cylinder having a fluid conduit extended off therefrom, a piston reciprocable in the cylinder and causing alternate air compression and suction impulses in said conduit, and means coupled to the conduit, said means responding successively to the compressed air charges and suction impulses and consisting of valved means to store a lone compressed air charge, valve means held closed by force of the air pressure in said conduit to maintain the entrapment of said lone charge, and means responding to the suction impulse in said conduit following the formation of said lone charge to displace the second valve means and liberate said charge, and means against which said liberated charge is impinged for the displacement of the injector valve in one direction.

2,255,356
REFRIGERATING APPARATUS
Joseph E. Harris and Walter L. Frey, Stayton, Oreg.
Application December 21, 1939, Serial No. 310,424
1 Claim. (Cl. 62—91.5)



In a refrigerating apparatus, a receptacle for containing a volatilizable refrigerant, pipes for the circulation of refrigerated fluid having a connecting coil, the said coil being located in the said receptacle under the influence of the refrigerant, a fluid receptacle remote from the first mentioned receptacle and having its bottom on a plane above the coil, one of the said pipes communicating with the interior of the second mentioned receptacle through the bottom thereof, whereby the fluid in the second mentioned receptacle gravitates through the said coil, a chamber with which the other pipe communicates, the said chamber having a connection with the second mentioned receptacle through its bottom, a pipe connected to the interior of the first mentioned receptacle for conveying gas under pressure due to the volatilization of the refrigerant, the said pipe extending into the chamber and forming an injector for forcing fluid entering the said chamber through the pipe of the said coil into the second mentioned receptacle.

2,255,357
TRANSPORTATION TRAILER FOR LIVESTOCK
Eben B. Hawthorne, Eureka, Kans.
Application June 23, 1941, Serial No. 399,335
5 Claims. (Cl. 296—28)

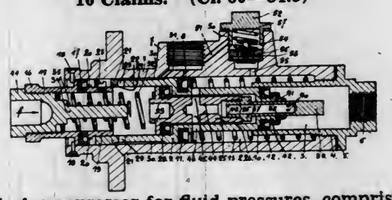


1. In a trailer of the class described comprising a channelled steel stringer formed to provide two sides and two ends as supporting means for the trailer's superstructure, a floor and means carried by the stringer to support the floor so that the top of the floor is on the plane with the upper extremity of the stringer, a plurality of vertically disposed standards spaced along the stringer its entire length, the lower ends of the standards being welded to the stringer, a series of pipes horizontally disposed to engage between the standards, the ends of each pipe being in contact with their respective standards and welded thereto, the series of pipes in their spaced relation starting at the upper extremity of the standards but terminating a spaced distance upward from the stringer, a metallic sheet to fill the space between the standards and extending from the stringer to the lower pipe of the said pipe series, the metallic sheet being welded at its points of contact with the standards, stringer and the said lower pipe, and pipe means to brace the oppositely disposed standards as carried by the stringer, there being a pair of gates hingedly connected to their respective standards at the rear end of the trailer's superstructure, and having means to lock the gates in closed position, the space between each side of the pair of gates and their respective standards having a similar series of positioned pipes to that of the first named series, while the space from the stringer upward to the lower pipe of the series having a plurality of vertically disposed pipes positioned in spaced relation between the gate standards and their respective standards at the rear corners of the superstructure.

2,255,358
PROCESS FOR THE PREPARATION OF SELENIUM FOR ELECTRICAL USES
Lloyd R. Jackson and Wendell F. Stewart, Columbus, Ohio, assignors to Battelle Memorial Institute, Columbus, Ohio, a corporation of Ohio
No Drawing. Application September 16, 1940, Serial No. 356,980
7 Claims. (Cl. 175—366)

5. A method of preparing selenium for electrical uses which comprises dissolving the selenium in nitric acid, filtering off the insoluble residue, drying the filtrate, dissolving the dried filtrate in an ammoniacal solution, adding hydrochloric acid to such ammoniacal solution until the resultant solution is acid, precipitating the selenium with sulfur dioxide, washing the precipitated selenium, agglomerating the precipitated selenium and boiling it before use, applying the selenium to a base plate with a suitable heat treatment and aging the selenium coated plate at room temperature.

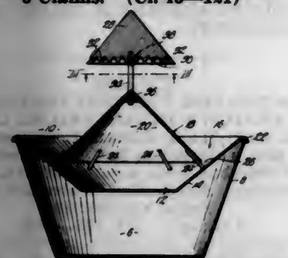
2,255,359
COMPRESSOR
Octave Lepersonne, Brussels, Belgium
Application June 21, 1938, Serial No. 214,974
In France June 23, 1937
10 Claims. (Cl. 60—54.6)



5. A compressor for fluid pressures, comprising a high pressure cylinder, having means for communicating the high pressure cylinder to the receiving devices, a piston operative in the cylinder, a low pressure cylinder, a piston operative in the low pressure cylinder, and integral with the first piston the respective pistons and cylinders being arranged coaxially, said first piston having a bore forming a compensating cylinder of relatively small diameter, a compensating piston operative in the compensating cylinder, springs acting on

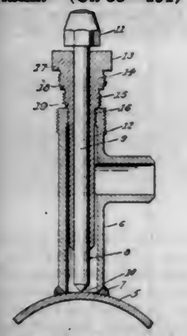
the compensating piston, the end of the extension of the compensating piston terminating in the high pressure cylinder, means for simultaneously displacing the three pistons in their cylinders, said first piston having communicating openings between the low pressure cylinder and the compensating cylinder and other communicating openings between the compensating cylinder and the high pressure cylinder, means for closing these last named openings when the pressure in the high pressure cylinder reaches a predetermined value, said means being controlled by the relative displacement of the compensating piston and of the low and high pressure pistons in order to close the communication between the high and low pressure cylinders.

2,255,360
INSECT DESTROYER
Milo F. Miller, Kansas City, Mo.
Application January 12, 1940, Serial No. 313,574
5 Claims. (Cl. 43—121)



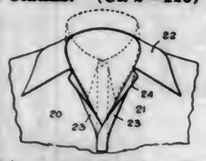
1. An insect destroyer comprising a hollow base wherein to collect the destroyed insects; an insecticide holder carried by the base; and means for directing insects into the hollow base after the same have been destroyed by the insecticide, said insecticide holder having a downwardly facing side and plurality of recesses formed inwardly from said side thereof.

2,255,361
CENTER LOCATING PUNCH
Frank H. Mueller, Decatur, Ill., assignor to Mueller Co., Decatur, Ill., a corporation of Illinois
Application January 26, 1940, Serial No. 315,825
1 Claim. (Cl. 33—191)



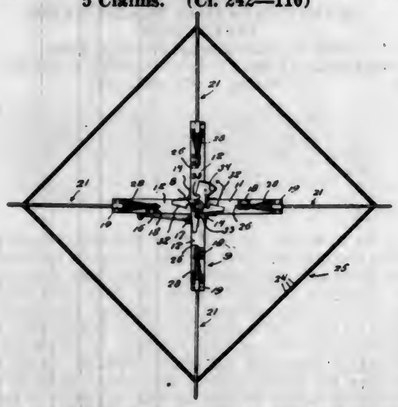
Means for forming in a main to be drilled a drill centering depression on the axis of a tubular fitting which has one end secured against said main and is open at the other end, said other end being threaded, said means comprising a center punch whose diameter is substantially less than the inner diameter of the fitting, and a sleeve in which said punch has a close sliding fit, said sleeve having a threaded portion engageable with the threaded end of said fitting to position the sleeve coaxially relative to the latter, said sleeve having a portion which when the sleeve is engaged with the fitting extends into adjacency to the main to provide an extended axial guide for said punch, said sleeve constituting the sole guide means for the punch and the punch being removable with the sleeve from said fitting.

2,255,362
SHIRT CONSTRUCTION
William Nirenberg, Troy, N. Y.
Application November 16, 1939, Serial No. 304,826
3 Claims. (Cl. 2—116)



1. In a shirt comprising a collar capable of two positions and a shirt body, a relatively wide collar having an inner edge directly associated with said shirt body, said collar including an exposed portion and a lining, said exposed portion of said collar being continuous from its outer edge to said inner edge, said lining being generally substantially coextensive with said collar and having portions extending continuously from said inner edge to said outer edge, said lining having a weakened portion extending longitudinally thereof, whereby when said collar is in its fully open position it will overlie the back and shoulders of the shirt wearer in a continuous and unbroken manner suggestive of a sport effect and when said collar is flipped so as to fold along that part thereof which corresponds to the weakened portion of the lining, it will be capable of having associated therewith a necktie and a part of the collar will act as a neckband.

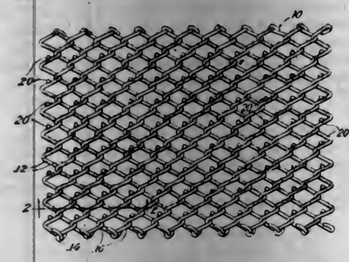
2,255,363
SWIFT
Andrew Peterson, Detroit, Mich.
Application March 24, 1941, Serial No. 385,023
5 Claims. (Cl. 242—110)



1. In a swift construction, a plurality of con-

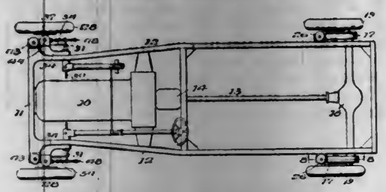
nected substantially radially extending arms each provided with a slidably mounted yarn receiving finger operable to projected and retracted positions with respect to said arm, resilient means connected between the arms and fingers for urging the latter to said projected positions, latch means carried by said swift and detachably connected to the fingers for maintaining the latter in said retracted positions against the urgency of said first mentioned means to enable a skein to be wound on said fingers in a relatively slack condition, said latch means operable for releasing said fingers towards said projected positions to maintain the skein in a taut condition during its removal from the fingers.

2,255,364
CONVEYER BELT
Clarence E. Pink, Cambridge, Md.
Application August 7, 1939, Serial No. 288,864
2 Claims. (Cl. 198—193)



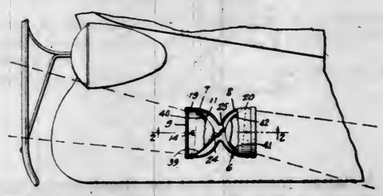
1. In a conveyer of the type described, a belt comprising interlaced helical wires, and product supporting pins attached to some of the convolutions of the helical wires, said pins extending upwardly from the belt in such degree as to hold the product spaced from the belt, to prevent belt marking of the product, said pins having a total cross sectional area of relatively small proportions with respect to total belt area.

2,255,365
VEHICLE WHEEL MOUNTING
John Morris Poché, Gulfport, Miss., assignor of one-half to Lucas Vaccaro, New Orleans, La.
Application September 2, 1939, Serial No. 293,273
5 Claims. (Cl. 267—20)



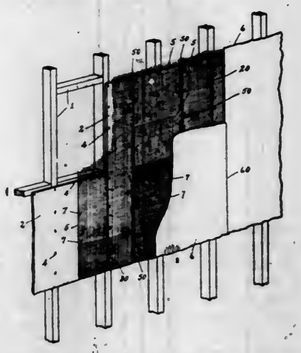
1. In a mounting for vehicle wheels, the combination of the side sill of the vehicle chassis frame, a shaft protruding outwardly through the sill, a member journaled concentrically of said shaft for rocking in a vertical plane outside said sill, a wheel axle carried by said member, an extension on said member, a spring housing pivoted on the sill, and springs carried in said housing engaging said extension above and beneath the latter to yieldingly resist rocking motion of said member.

2,255,366
ANTIGLARE LIGHT FOR ALL KINDS OF VEHICLES
Salvador Islas Ruiz, Mexico City, Mexico
Application February 27, 1939, Serial No. 258,846
3 Claims. (Cl. 240—8.2)



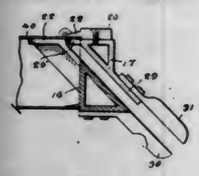
1. A vehicle headlamp construction comprising the combination of a casing having a pair of oppositely directed openings; a pair of reflectors, each being wholly accommodated within said casing in rearwardly spaced relation with and in confronting relation to a respective one of the openings and separately mounted for independent pivotal movement about a vertical axis, each of said reflectors having a slotted arm portion extending in the direction of its respective opening; and fastening means carried by the casing and received by the said slotted arm portions to limit the movement of the reflectors about their axes and to securely hold the same in a selected angular position relative to the casing, the positioning of the fastening means adjacent the openings in the casing permitting easy access to be had thereto and adjusting the said reflectors.

2,255,367
WALL STRUCTURE
Eduard Schenk, Oakdale, and Christian J. Herzog, Castle Shannon, Pa.
Application December 15, 1939, Serial No. 309,386
6 Claims. (Cl. 20—4)



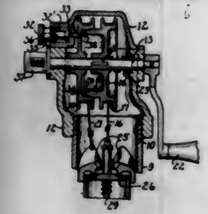
1. A heat-insulating and acoustic wall structure comprising a plurality of panels assembled and secured edge to edge in common plane, a flexible open-work sheet applied to the face of the panel assembly in overlapping relation with respect to the seams between the panels in such assembly, said sheet being anchored or attached to the panel assembly at a plurality of spaced-apart points, providing between the points of attachment yieldable unattached areas of the sheet, and a thin flexible facing applied and secured to such sheet.

2,255,368
SHEET METAL BENDING TOOL
Raymond E. Smith, Waukegan, Ill.
Application November 18, 1938, Serial No. 241,290
7 Claims. (Cl. 153—15)



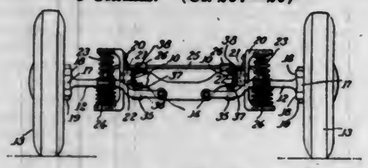
1. A flange forming tool for sheet metal pipes, comprising, a first frame, a plurality of fingers extending from and integral with said frame, said fingers being of different widths and arranged in spaced relation on said frame and adapted to engage the pipe during the flange forming operation, a second frame disposed above said first frame and pivotally attached thereto, said second frame swingable in an arc relative to said first frame, a plurality of fingers extending from said second frame and arranged in spaced relation in back of and substantially parallel to said first-mentioned fingers when said frames are in a particular angular relationship, said second frame and fingers receiving the end portion of the pipe to be bent rearwardly when said frames are in the aforesaid relationship, and a member carried by said second frame having a tapered portion overlying the fingers carried thereby and in spaced relation thereto.

2,255,369
SAMPLING DEVICE FOR LIQUID STORAGE SYSTEMS
Charles Spaeth, Cleveland, Ohio
Application September 28, 1939, Serial No. 296,983
2 Claims. (Cl. 137—18)



1. In combination with a liquid storage tank having an opening therein and a valve for said opening, a tubular housing adapted to be positioned in said opening and moved downwardly through the valve therein to open the same, a shaft in said housing having a hoisting and lowering drum keyed thereon, a cable secured at one end to said drum, and a second drum on said shaft and operable with said first mentioned drum and having a cable secured thereto, a single means for actuating said drums, a container attached to the free end of said hoisting and lowering cable and adapted to be lowered into and raised from said tank, valves in the upper and lower ends of said container connected to and operable by said hoisting cable, said container being connected to said second cable whereby the container is suspended in position to permit of the entry of liquid through said valves into and the filling of the container.

2,255,370
FRONT END SUSPENSION FOR VEHICLES
Anthony J. Tydelski, Jr., Alexander, N. Y.
Application February 12, 1941, Serial No. 378,629
3 Claims. (Cl. 267—20)



1. A front suspension for vehicles comprising, a chassis side bar, a chassis cross member rigidly secured to the side bar, an axle section pivotally secured at one end to the cross member, a ground wheel on the free end of the axle member, a plate secured to the axle member extending parallel with the longitudinal median line of the vehicle outside of the chassis side bar, a yoke having an upright intermediate portion rigidly secured to the side bar and having upper and lower parallel legs extending over the plate, an upper helical spring seated on the plate and confined under compression against the lower side of the upper leg of the yoke, a lower helical spring seated on the plate and confined under compression against the upper side of the lower leg of the yoke, and a resilient stabilizing shaft mounted to turn in a bearing on the front end of the chassis side bar and having a rearwardly directed outer end connected to said plate.

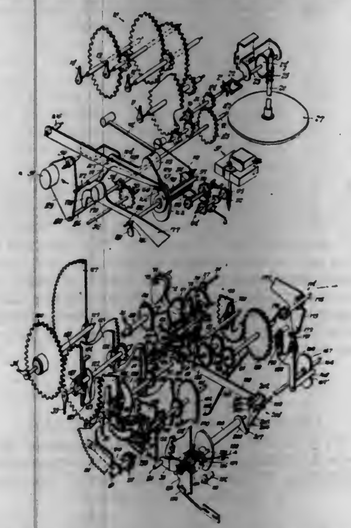
2,255,371
TREATMENT OF CLAY
Ira Williams, Borger, Tex., and Nathan Millman, Macon, Ga., assignors to Sgoda Corporation, Huber, Ga., a corporation of New Jersey
No Drawing. Application April 16, 1940, Serial No. 329,889
13 Claims. (Cl. 23—1)

5. The process which comprises the step of treating a clay slip, containing iron in solution and having a pH below 5 due to an acid stronger than carbonic acid, with calcium carbonate in an amount sufficient to increase the pH of the slip above 5 but insufficient to raise the pH of the slip to 7.

13. The process which comprises treating a clay slip, containing iron in solution and having a pH below 4.5 due to an acid stronger than carbonic acid, with a strong water-soluble basic compound of an alkali metal in an amount sufficient to materially increase the pH of the slip but insufficient to raise the pH of the slip above 5 and then with a carbonate of an alkaline earth metal in an amount sufficient to increase the pH of the slip to at least 5.5 but insufficient to raise the pH of the slip to 7.

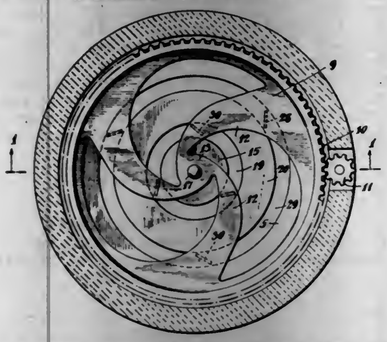
2,255,372
INDICATING APPARATUS
Roscoe H. Wilmeth, Springfield, Ill., assignor to Sangamo Electric Company, Springfield, Ill., a corporation of Illinois
Application July 6, 1939, Serial No. 283,127
17 Claims. (Cl. 171—34)

1. Means for indicating a measurement comprising, in combination, a first resettable member movable from an initial position through an extent depending upon a varying quantity, means for periodically resetting said first member to its initial position, a second resettable member movable from an initial position through an extent depending upon the maximum extent of movement of said first member during a plurality of resetting periods, means for resetting said second member to its initial position, a member unidirectionally movable through an extent depending upon the maximum extent of movement of



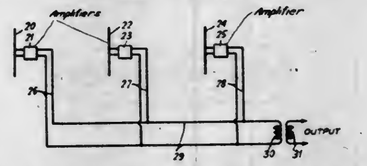
said second member, an indicator and a scale relative to which the indicator moves, and means operable independently of said unidirectionally movable member for moving said indicator into a position corresponding to that of said unidirectionally movable member in which position the measurement is indicated.

2,255,373
FURNACE GRATE
Alfred E. Blake, Caldwell, N. J.
Application February 14, 1940, Serial No. 318,794
2 Claims. (Cl. 126—182)



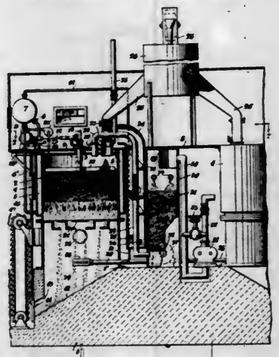
1. A grate, comprising members having horizontally disposed supporting surfaces at different levels connected by vertically disposed walls, said surfaces and connecting walls being annular, and scrapers for removing ashes from adjacent said walls over the edges of the lower surfaces that are remote from said walls, the upper supporting surfaces being staggered with respect to lower ones and so disposed with respect thereto that the angle of repose of ashes keeps the ashes from automatically flowing off of the grate.

2,255,374
SYSTEM FOR NOISE REDUCTION IN AMPLIFIERS
Harold H. Beverage, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application January 27, 1939, Serial No. 253,101
4 Claims. (Cl. 250—20)



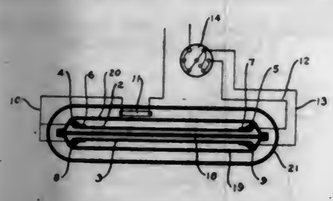
1. An arrangement for increasing the signal-to-noise ratio of high frequency output energy from an electron discharge tube amplifying system, comprising a plurality of geographically spaced antennae for collecting the signaling energy, a preliminary amplifier separately connected to each antenna respectively, and transmission lines leading from each preliminary amplifier to the input side of said amplifying system, said lines having suitably proportioned lengths such that they constitute means for adding the amplified signaling energy components in phase, and for causing the noise components inherent in the tubes of said preliminary amplifiers to be added at random phase.

2,255,375
GAS PRODUCER
Alfred E. Blake, Caldwell, N. J.
Application April 20, 1940, Serial No. 330,690
3 Claims. (Cl. 48—63)



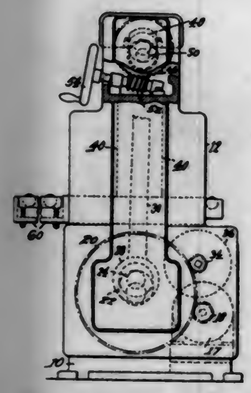
1. In a gas generator, a producer shell, a water jacket around said shell, means to maintain pressure in said jacket considerably above atmospheric, a feed water heater at the top of said shell, a pump for forcing water from said heater into said jacket, a steam collecting means, steam take-off means connecting the jacket and the collecting means, and means for introducing steam from the collecting means into the generator, hollow rotatable coal-leveling means in said shell, and connections for introducing cold water into said hollow means and from thence into said feed water heater.

2,255,376
ELECTRICAL HEATING UNIT AND PAD
Arthur W. Bull, Grosse Pointe, and Glenn G. Havens, Detroit, Mich., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application April 24, 1940, Serial No. 331,338
11 Claims. (Cl. 219—46)



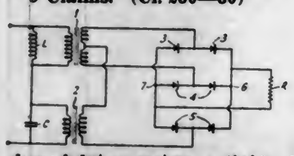
1. A portable electrical heating unit that is sufficiently flexible to conform to different shaped objects to be heated, comprising a fabric sheet provided with a plastic composition containing rubber and electrically conducting carbon black in amount sufficient to impart current conducting and heating properties to the fabric, and electric conductor wires secured to spaced portions of the current conducting fabric along the fabric in parallel relation to each other so that current will be conducted from one wire to the other uniformly across the area of the fabric lying between these parallel wires to heat this area uniformly.

2,255,377
DIE PRESS
Fritz O. Carlson, Worcester, Mass., assignor to Hobbs Manufacturing Company, Worcester, Mass., a corporation of Massachusetts
Application November 6, 1939, Serial No. 303,034
9 Claims. (Cl. 164—106)



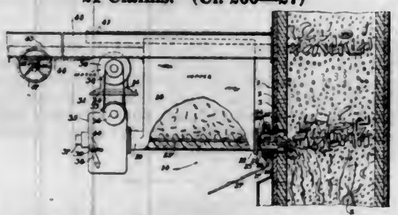
1. In an apparatus of the class described, a base, columns rising from each end of said base, a power source on said base, a gear wheel journaled in each column, said power source operatively connected to drive said wheels, a shaft extending between and journaled at its ends in said columns, said shaft being provided with teeth meshing with each of said wheels, and balance wheels on said shaft.

2,255,378
DEMODULATOR SYSTEM
Christopher Dering Colchester, Sanderstead, England, assignor to Radio Corporation of America, a corporation of Delaware
Application April 26, 1941, Serial No. 390,485
In Great Britain April 3, 1940
9 Claims. (Cl. 250—30)



1. In a demodulator system suitable for separating modulation signals from a carrier the frequency of which may be of the same order as the higher modulation frequencies, the method of obtaining said separation which comprises converting the single-phase modulated signal into a three-phase signal, separately rectifying the positive and negative components of each phase and deriving the modulation signal from a combination of said components.

2,255,379
FURNACE CHARGING MEANS
John F. Crawford, Racine, Wis., assignor to J. I. Case Company, Racine, Wis., a corporation
Application October 22, 1938, Serial No. 236,451
21 Claims. (Cl. 266—27)



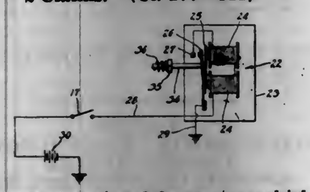
1. In a cupola a body portion having side walls, a bottom for collecting melted metal, a blast opening above the bottom, a charging door above the blast opening, and means including an auger conveyor projecting into and beyond the wall of the body portion between the blast opening and the charging door arranged for injecting granular material into the body portion at a point where the charge is partly melted, whereby to melt the granular material before it can be destroyed by oxidation, means for supplying granular material to the auger, and power driven mechanism for driving the auger.

2,255,380
CONVERTIBLE DISK HARROW
Oscar E. Curtis, Mount Pulaski, Ill.
Application July 19, 1939, Serial No. 285,287
12 Claims. (Cl. 55—83)



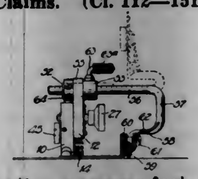
1. A convertible disk harrow for selective operative adjustments while in motion and comprising two right and two left disk harrow sections and adjustable means for their interconnection, a sectional draw bar slidably adjustable and pivotally connected with said disk harrow sections, said draw bar at its forward end shaped for its detachable engagement with a tractor and the like, pulling arms establishing operative connection between said sectional draw bar and said disk harrow sections, locking means for the respective sections of said draw bar for their detachable engagement in selected positions of their longitudinal adjustment, said locking means on said draw bar sections provided with remote control means for their manipulation by a tractor driver when seated on the tractor, said implement thus adapted to be converted from a wide type disk harrow to a narrow tandem arrangement while in motion, by a forward pulling movement of said tractor and said implement further adapted to be readjusted back to a wide type implement by a rearward movement of said tractor against said draw bar.

2,255,381
WARNING SIGNAL FOR MOTOR VEHICLES
Arthur B. Ellery, Akron, Ohio
Application October 21, 1939, Serial No. 300,597
2 Claims. (Cl. 177—311)



1. In a warning signal for motor vehicles, the combination of an electric buzzer, means common to the buzzer and to the ignition system of the vehicle for concurrently energizing them, a spring pressed plunger normally extending into engagement with a vibratory member of the buzzer adapted to prevent operation of the latter when the ignition system is energized, a hand-operated lever for applying the brakes to the vehicle, and means connecting said lever to said plunger for withdrawing the latter from engagement with said vibratory member whenever the brakes are applied by means of said lever.

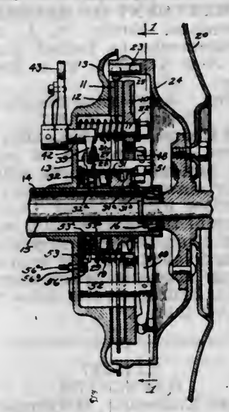
2,255,382
SEWING MACHINE GAUGE
Nicholas Giancola, Guttenberg, N. J.
Original application June 2, 1939, Serial No. 276,992. Divided and this application September 29, 1939, Serial No. 297,024
4 Claims. (Cl. 112—151)



2. In combination, a presser foot, a work-guide mounted on said foot, a rock arm pivotally mounted on said work-guide, a presser roll carried by said rock arm, and means yieldably opposing rocking of said arm.

2,255,383
BRAKE
Gerald P. Hall, Monmouth, Maine
Application February 21, 1938, Serial No. 191,606
5 Claims. (Cl. 188—72)

1. In a mechanism for operating a circumferentially located braking unit, a central operating mechanism comprising a sliding element, connections between said sliding element and said braking unt, cam means for actuating said sliding element, an actuating linkage for said cam means, and adjusting mechanism comprising an adjustable cam member for independently sliding said cam means and said sliding member in a direction perpendicular to the actuating linkage connection for said cam means whereby adjustment of said actuating mechanism is effected without disturbing the relative position of said cam means and said actuating linkage.



2,255,384
NUT
James Bruce Hood, New York, N. Y.
Application May 27, 1939, Serial No. 276,145
3 Claims. (Cl. 151—22)



1. A nut having its threads formed into a relatively upper and lower portion, a circular band composed of the upper portion of the thread as its inside surface and a ring of the metal extending immediately outward circumferentially from said portion of thread, the outer limit of said metal forming the outside surface of said band, the upper portion of the threads being distinguished from the lower portion by having a lesser but constant pitch diameter, both portions being continuous and having in common the same thread form and the same constant pitch, and both being concentrically parallel to the nut axis.

2,255,385
DYESTUFFS OF THE PARA-ROSANILINE SERIES
Heinrich Hopff and Adolf Diebold, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application March 30, 1938, Serial No. 198,900. In Germany April 10, 1937
4 Claims. (Cl. 260—391)

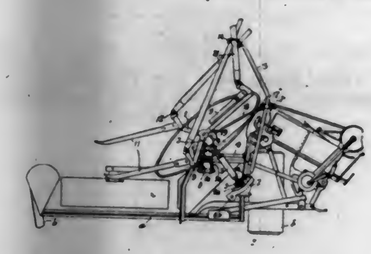
1. Pararosaniline dyestuffs containing at least

one amino group in which at least one hydrogen atom, attached to an amino group, is replaced by a gamma-oxobutyl radicle.

2,255,386
TREATMENT OF RUBBER
Louis H. Howland, Nutley, N. J., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application March 24, 1938, Serial No. 197,857
3 Claims. (Cl. 260—909)

1. A process of controlling or retarding the oxidation of organic substances which tend to deteriorate by absorption of oxygen from the air which comprises incorporating therein a composite product of thermal reaction with elimination of water of an N,N' diaryl-arylene-diamine and an aliphatic alcohol of the formula $R(OH)_n$ where R is an aliphatic hydrocarbon group; O is oxygen; H is hydrogen; and n is a whole number not greater than 2.

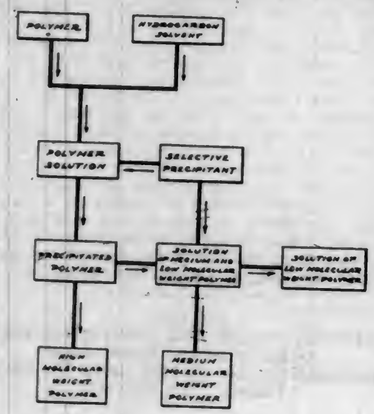
2,255,387
HARVESTER
Alwin Klemens Knälmann, Morgongava, Sweden, assignor to Aktiebolaget Westeråsmaskiner, Morgongava, Sweden, a corporation of Sweden
Application April 13, 1940, Serial No. 329,403
In Sweden February 7, 1939
4 Claims. (Cl. 56—167)



1. In a sheafing and binding machine, a cutting apparatus, a rotary frame sweep gatherer, adjusting members for displacing said gatherer forward or backward relative to said cutting apparatus, a guide ring, a guide ring support pivotally connected to said gatherer, and connecting means operatively connecting said adjusting members to said support.

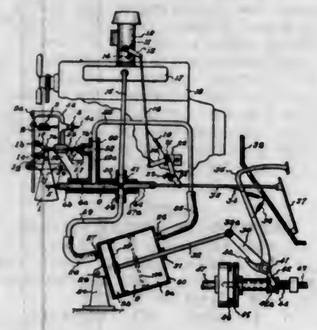
2,255,388
FRACTIONAL PRECIPITATION PROCESS OF PRODUCING HIGH MOLECULAR WEIGHT POLYMERS
John Kunc and Floyd Laverne Miller, Roselle Park, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application September 21, 1938, Serial No. 230,992
11 Claims. (Cl. 260—94)

1. The method for fractionating linear iso-olefin polymer substance comprising dissolving the linear iso-olefin polymer in a hydrocarbon solvent, then adding to the solution a small amount of precipitant comprising an aliphatic combined-oxygen-containing liquid in an amount insufficient to precipitate the entire polymer and



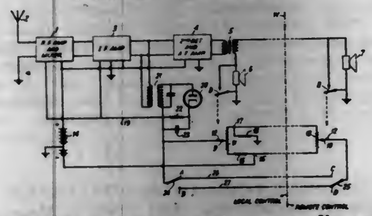
collecting the precipitated fractional portion of the polymer mixture.

2,255,389
MOTOR VEHICLE STARTING POWER CONTROL SYSTEM
Edward H. Lange, Baltimore, Md.
Application December 19, 1938, Serial No. 246,568
15 Claims. (Cl. 192—.01)



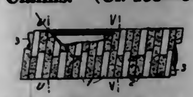
1. In a motive-power control system for motor vehicles, the combination with an engine for propelling the vehicle, a power-transmission including a clutch, a power-controller for said engine, and engine-power operable means responsive to said power-controller for disengaging said clutch, of a throttle-valve capable of checking the engaging movement of said clutch, a holding means holding said throttle-valve in a closed position, means capable of displacing said holding means, and of urging said throttle-valve toward a closed position responsively with forward and rearward elevation and acceleration of said vehicle, and means for directly acting upon said holding means by said power-controller to permit said throttle-valve to open to engage said clutch, for determining application of vehicle-motive power to said transmission to smoothly start said vehicle in accordance with grade-modified load conditions of said vehicle.

2,255,390
DUAL VOLUME CONTROL SYSTEM FOR RADIO RECEIVERS
Herschel B. Martin, Brooklyn, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application April 25, 1940, Serial No. 331,501
7 Claims. (Cl. 250—20)



5. In a radio receiving system an audio-output circuit comprising two series-connected loud speakers located at separated stations, short-circuiting means for silencing either of said speakers, a volume control device having a relatively wide range of ohmic values located at one of said stations, a volume control device having a relatively narrow range of ohmic values located at the other of said stations, means for selectively rendering either of said volume control devices effective to adjust the normal gain and sensitivity of certain amplifiers in said receiving system, and manipulative means at each station common to the short-circuiting means and the volume control device thereat.

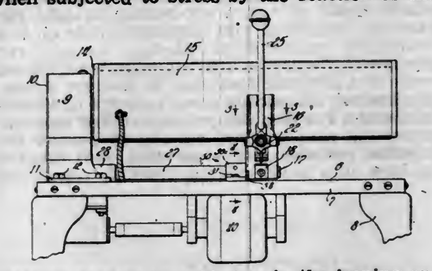
2,255,391
REINFORCED FLEXIBLE PIPE
Jean Roger Mesnel, Colombes, France, assignor to Société Mesnel Frères, Colombes, Seine, France
Application August 18, 1937, Serial No. 159,638
In France August 24, 1936
4 Claims. (Cl. 138—56)



1. Reinforced hose comprising a core of flexible material and a reinforcement consisting of a winding of abutting turns of a band formed of a continuous succession of flexible parts and rigid parts, the length of each flexible portion being at least equal to that of one complete turn of the winding.

2,255,392
IRONING MACHINE
Frederick K. Mueller, Berwyn, Ill., assignor to Conlon Corporation, Cicero, Ill., a corporation of Illinois
Application June 19, 1939, Serial No. 279,781
4 Claims. (Cl. 38—60)

2. In an ironing machine, a bed plate, a gear housing secured to said plate adjacent one end thereof, a roll extending inward over said plate from said housing, a bearing sleeve fixed at its outer end to said housing extending therefrom inward over said plate below and in back of said roll, a shoe operating shaft rockably mounted through said sleeve extending beyond the inner end thereof, a shoe cooperating with said roll mounted on said shaft adjacent the inner end of said sleeve for movement away from and toward said roll into pressure contact with articles being ironed, by rocking of said shaft, the latter and said sleeve being otherwise free from said bed plate and capable of transverse flexing when subjected to stress by the reaction of the



pressure exerted by said shoe in the ironing operation, and stop means secured to said bed plate disposed in back of said sleeve and shaft and limiting rearward flexing thereof.

2,255,393
WINDSHIELD CLEANER
Charles Lee Osborn, Cheyenne, Wyo.
Application March 28, 1940, Serial No. 326,489
4 Claims. (Cl. 15—250)

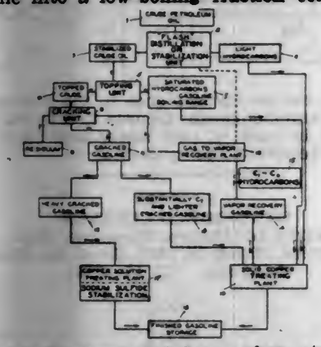


3. A windshield cleaner comprising: an elongated body; two parallel, longitudinal, outwardly-flared blades projecting from said body to engage the surface of a windshield, there being a longitudinally extending groove in said body between said blades; an elongated channel member formed of a metal of relatively high thermal conductivity lying in said groove with its open edge directed between said blades, the sides of said channel member being flared outwardly to engage said blades; an elongated, resilient wiper member, one longitudinal edge of which is secured in said channel member, the other edge projecting between said blades to contact said windshield; and electrical heating means carried by said body in proximity to said channel member, the latter acting to conduct heat from said heating means to both said blades and to said wiper member.

2,255,394
PROCESS FOR TREATING OILS
Walter A. Schulze, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application November 9, 1938, Serial No. 239,730
5 Claims. (Cl. 196—30)

1. In a process for producing a sweet motor fuel

from crude petroleum oil by steps which comprise subjecting said crude petroleum oil to a medium-temperature flashing operation to produce stabilized crude oil and a low-boiling straight run gasoline, subjecting said stabilized crude oil to a distillation operation to produce straight run gasoline and topped crude, subjecting said topped crude to a cracking operation to produce a gaseous fraction containing some gasoline hydrocarbons and a fraction comprising cracked gasoline, processing said gaseous fraction to recover the gasoline content, and separating said cracked gasoline into a low-boiling fraction containing



substantially seven and less carbon atoms per molecule and a higher-boiling fraction containing more than seven carbon atoms per molecule, the improvement comprising sweetening the cracked gasoline fraction containing more than seven carbon atoms per molecule by treatment with a cupric chloride solution of controlled chloride ion content followed by sodium sulfide stabilization, and sweetening the remaining said gasoline fractions by passage along with dissolved air over a solid adsorbent reagent impregnated with a solution of cupric chloride prior to blending at least a portion of the gasoline fractions to provide a sweet motor fuel.

2,255,395
PNEUMATIC FILING DEVICE
Harry Burdette Spink, West Palm Beach, Fla.
Application January 24, 1940, Serial No. 315,343
4 Claims. (Cl. 121—3)

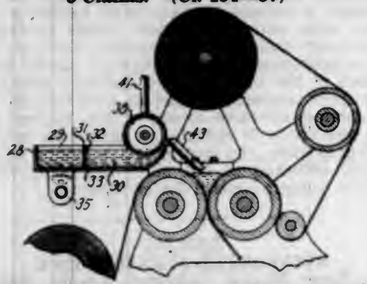


1. A fluid operated tool reciprocating device of the character described comprising a longitudinally extending bearing member, forward and rearward brackets on the bearing member upwardly extending therefrom, a bearing rod connecting the upper portions of the brackets and formed with a forward bearing portion parallel to the bearing member and having an upwardly inclined rearward portion connected to the rearward bracket, a piston secured on the bearing member, a cylinder slidably bearing on the bearing member and having an upward extension having slidable engagement with the bearing rod, a tool holder supported by the cylinder member at the underside thereof, means for admitting and exhausting operating fluid at opposite sides of the piston including an intake pipe and a manually controlled valve in the intake pipe.

2,255,396
CHEMICAL PROCESS
William J. Sparks, Alexandria, Va., and Clifford W. Muessig, Union, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 21, 1939, Serial No. 310,464
15 Claims. (Cl. 252—59)

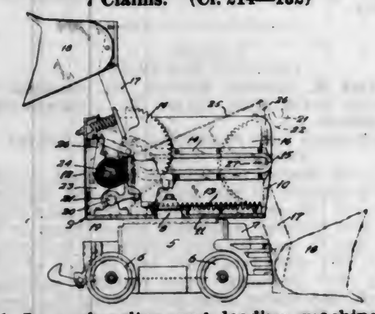
1. The process of producing high molecular weight polymers comprising the steps of mixing isobutylene and phenyl acetylene, chilling the mixture to temperatures below —50° C. and polymerizing the mixture by the application thereto of a Friedel-Crafts type catalyst.

2,255,397
MACHINE FOR LAMINATING PAPER
Melvin H. Sidebotham, West Newton, Mass., assignor of one-half to Harlow M. Russell, Chelsea, Mass.
Application October 5, 1938, Serial No. 233,431
5 Claims. (Cl. 154—37)



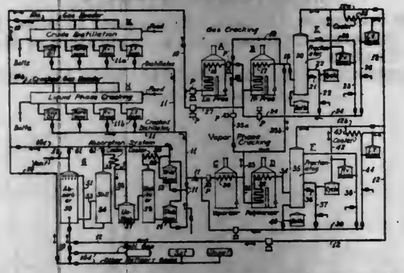
1. In a paper laminating machine, comprising a wax heating unit, a wax feeding cylinder positioned to rotate in liquid wax, means to cool the wax picked up by the wax feeding cylinder, and a stationary scraping plate positioned to scrape the cooled wax from the rotating wax feeding cylinder and depositing the wax between two webs of paper.

2,255,398
LOADING MACHINE
Charles M. Stewart, Denver, Colo., assignor to Gardner-Denver Company, Quincy, Ill., a corporation of Delaware
Application February 29, 1940, Serial No. 321,471
7 Claims. (Cl. 214—132)



1. In a shoveling and loading machine, the combination of a carriage and a shovel movable thereon, a rocker supporting the shovel, a guide element supporting the rocker and having a portion extending above the horizontal, power means for moving the rocker within the element, and adjustable means carried by the rocker and engaging a fixed element on the carriage to assist the power means in moving the rocker within said portion of the guide element.

2,255,399
PROCESS FOR CRACKING AND POLYMERIZING HYDROCARBONS
Philip Subkow, Los Angeles, Earle W. Gard, Palos Verdes Estates, and Robert E. Haylett, Long Beach, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application October 29, 1935, Serial No. 47,238
3 Claims. (Cl. 196—10)



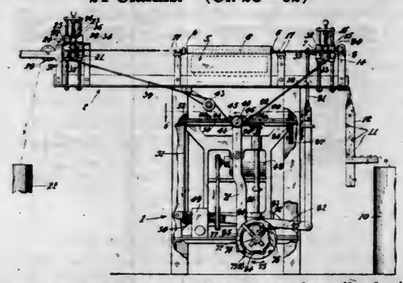
1. A method for the conversion of hydrocarbon gases and liquids into gasoline-like fractions having high anti-knock characteristics comprising subjecting a normally gaseous hydrocarbon to cracking conditions, subsequently subjecting a portion of such cracked gases to higher pressures to effect polymerization of said gases, commingling the products of said polymerization with normally liquid petroleum hydrocarbons and with the remaining portion of cracked gases, passing said mixture of products of polymerization and added hydrocarbons into a heated cracking and polymerizing zone under substantial pressures and effecting reforming of said added hydrocarbons and polymerization of the mixed materials, and fractionating the products to yield normally liquid materials in the gasoline range.

2,255,400
MOUNTING BRACKET
Hugh A. Triplett, Wilmette, and Sigurd I. Lindell, Chicago, Ill., assignors to Schweitzer & Conrad, Inc., Chicago, Ill., a corporation of Delaware
Original application May 26, 1938, Serial No. 210,122. Divided and this application November 6, 1939, Serial No. 302,986
3 Claims. (Cl. 248—74)



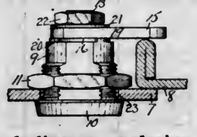
3. Means for interconnecting a relatively rigid member and a frangible member comprising, in combination, a yieldable metallic band for embracing said frangible member and having end portions extending outwardly therefrom with the outer end portions offset toward each other and the intermediate end portions spaced apart, both said outer and intermediate end portions being adapted to receive said rigid member therebetween, a retaining member for clamping said offset outer end portions to said rigid member, and another retaining member extending through said rigid member and cooperating with said spaced apart inner end portions to yieldingly clamp said metallic band to said frangible member.

2,255,401
DEVICE AND METHOD FOR MAKING CHENILLE AND THE LIKE
Abraham Unger, New York, N. Y., assignor to Concord Chenille Co., Inc., New York, N. Y., a corporation of New York
Application May 31, 1938, Serial No. 210,958
24 Claims. (Cl. 28—62)



1. In a machine of the class described, the combination of means adapted to curl the fibers of a plurality of strands of chenille yarn simultaneously, means for moving the strands of chenille yarn forwardly with respect to said curling means, means for reversing the action of said moving means to move the yarn alternately backward and forward with respect to said curling means a number of times, said first means being adapted to move the strands of yarn forward a substantial distance after the alternate backward and forward movement and means for reducing the tension on the chenille during the forward movement thereof.

2,255,402
LOCK
Norman J. Vile, New Britain, Conn., assignor to The American Hardware Corporation, New Britain, Conn., a corporation of Connecticut
Application December 30, 1938, Serial No. 248,383
6 Claims. (Cl. 70—139)

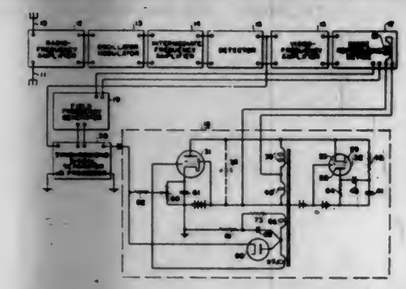


1. A lock including an enclosing case, a barrel rotatably mounted in said case and having a key slot therein and an integral angularly shaped end creating a shoulder substantially flush with the end of said case, a latch bolt removably engaged with said angularly shaped end and seated on said shoulder to permit change of the path of rotation of said latch bolt, and means on said barrel and case and changeable as to their relative positions to define rotation of the barrel in different zones relatively to the case.

2,255,403
PERIODIC WAVE REPEATER
Harold A. Wheeler, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application March 30, 1939, Serial No. 264,935
10 Claims. (Cl. 250—36)

1. A periodic wave repeater adapted to be ex-

cited by periodic synchronizing pulses comprising, a vacuum tube having a pulse-responsive input circuit, a diode effectively in series in said input circuit for coupling said pulses thereto, means for deriving from said tube a periodic voltage having a substantially different value at a predetermined point of each period than over the major portion of each period, and means for applying said derived voltage as a bias to said diode with such polarity that it is biased in opposition to conduction to a lesser degree at said



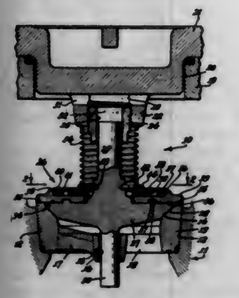
predetermined point of each period than over said major portion of each period, said pulses being applied to said diode with such polarity as to tend to render said diode conductive, the amplitude of said voltage of substantially different value being such that said diode is rendered conductive if such value occurs simultaneously with one of said pulses, and the amplitude of said derived voltage during said major portion of said period being such that said diode is maintained nonconductive even in the presence of a pulse of amplitude comparable with that of said pulses.

2,255,404

SLUSH PUMP VALVE

Clarence White, Walnut Park, and Oliver B. Graham, Los Angeles, Calif., assignors to Oil Well Manufacturing Corporation, Los Angeles, Calif., a corporation of California

Application November 30, 1940, Serial No. 368,076
8 Claims. (Cl. 251—144)



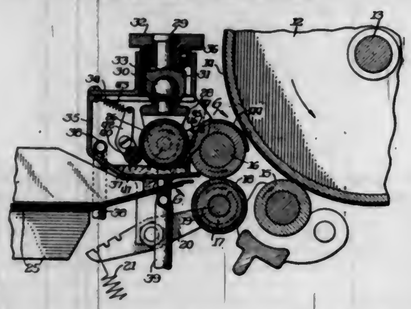
1. In a valve structure, the combination of: a valve seat having a first annular seating surface and a second annular seating surface concentrically beyond said first seating surface; a valve body formed with a surface to engage said first seating surface when said valve structure is in closed position and having a stem with an annular shoulder thereon; a non-metallic relatively compressible centrally apertured sealing disc loosely disposed about said stem and formed to have a surface disposed for sealing contact with a surface on said valve body and a surface disposed for simultaneous sealing contact with said second seating surface when said valve structure is in closed position; and a means for retaining said sealing disc in permanent sealing contact with said valve body, said retaining means being disposed between said shoulder and sealing disc and comprising a plurality of superimposed discs including a resilient disc of greater compressibility than said sealing disc.

2,255,405

MOISTENER FOR LIQUID TYPE DUPLICATING MACHINES

Eli Wilderson, Chicago, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia

Application September 30, 1940, Serial No. 359,109
15 Claims. (Cl. 91—50)



1. In a moistening mechanism for applying a film of liquid to the face of a copy sheet in its movement to the impression drum of a liquid process duplicating machine, the combination of a moistening roller, means cooperating with said moistening roller for feeding a sheet forwardly in contact therewith, a doctor roller in spaced relation to said moistening roller, a spreader roller mounted in contact with said first-named two rollers so as to be movable substantially at right angles to the line of centers of said two rollers, means for applying liquid to said spreader roller in position to pass between the spreader roller and the doctor roller in advance of the application of the liquid to said moistening roller, and means adapted by adjustment at a single point to vary the pressure of said spreader roller on both said moistening roller and said doctor roller.

2,255,406

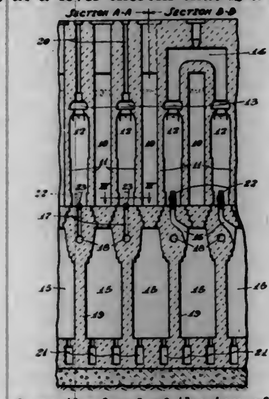
COKING RETORT OVEN

Joseph Becker, Pittsburgh, Pa., assignor to Koppers Company, Pittsburgh, Pa., a corporation of Delaware

Application October 11, 1938, Serial No. 234,357
4 Claims. (Cl. 202—151)

4. A horizontal coking retort oven having vertical combustion flues on opposite sides of an oven chamber with provision for heating with strong gas and regeneratively preheated air, air regenerator ducts leading into the bottoms of the flues, strong gas nozzles porting into the bottoms of the combustion flues at substantially the same level as the bottoms of the oven chamber, and upwardly directed nozzles on the air regenerator ducts having their ports arranged to extend the

discharge of air from the air regenerators into the flues at a level therein that is a substantial



distance above the level of the top of the strong gas nozzles at the base of the flues.

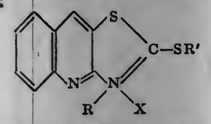
2,255,407

QUINRHODINE QUATERNARY SALTS AND DYES THEREFROM

Leslie G. S. Brooker, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application February 21, 1940, Serial No. 320,163. In Great Britain March 30, 1939
9 Claims. (Cl. 260—286)

1. A quaternary salt having the following general formula:



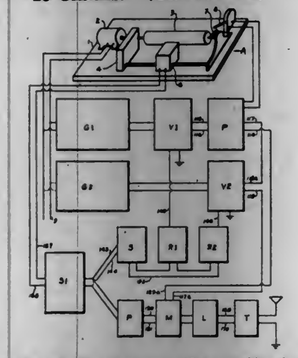
wherein R and R' each represent alkyl groups and X represents an acid radical.

2,255,408

FACSIMILE SYSTEM

Richard W. Carlisle, Elmsford, N. Y.

Application October 19, 1939, Serial No. 300,159
19 Claims. (Cl. 178—6.6)



1. In a facsimile system, the method of transmitting half-tone matter and printed matter which comprises scanning said matter, selecting a high frequency carrier wave for print transmission and a lower frequency carrier wave for the transmission of half-tone matter, and modulating the carrier so selected in conformance with the shade of the matter being scanned.

2,255,409

CYCLOPENTADIENE RESIN

William H. Carmody, Pittsburgh, Pa., assignor to The Neville Company, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application May 21, 1938, Serial No. 209,370
3 Claims. (Cl. 260—80)

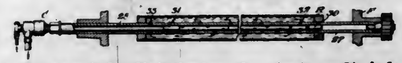
1. That method of making synthetic resin which comprises adding to benzol fores containing cyclopentadiene an agent of the group consisting of polymerizable constituents of crude solvent naphtha and polymer of said constituents, agitating said solution while adding slowly aluminum chloride in an amount to cause polymerization of said cyclopentadiene and during such addition maintaining the temperature not over about 20° C., and separating residual aluminum chloride from the polymerized product.

2,255,410

INK DISTRIBUTING DEVICE

Lynn B. Case, New Brunswick, N. J., assignor to John Waldron Corporation, New Brunswick, N. J., a corporation of New Jersey

Application September 23, 1939, Serial No. 296,178
4 Claims. (Cl. 91—67.8)



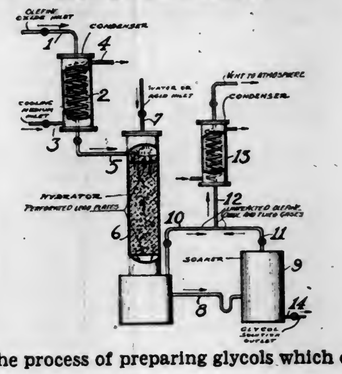
1. In an ink distributor for hot melt ink, a hollow roll, a hollow shaft for said roll, a tube in said shaft, means sealing said shaft and tube at approximately one end of said roll, means sealing said shaft around said tube in spaced relation to the opposite end of said roll, apertures in said tube wall and shaft wall between said sealing means and in said shaft wall adjacent the last-named end of the roll, means for supplying liquid to the open end of said tube, means for draining liquid from said shaft around said tube, and means for heating the liquid supplied to said tube.

2,255,411

MANUFACTURE OF GLYCOLS

Charles A. Cohen, Elizabeth, and Clayton M. Beamer, Roselle, N. J., assignors to Standard Alcohol Co.

Application November 24, 1937, Serial No. 176,166
5 Claims. (Cl. 260—635)



1. The process of preparing glycols which com-

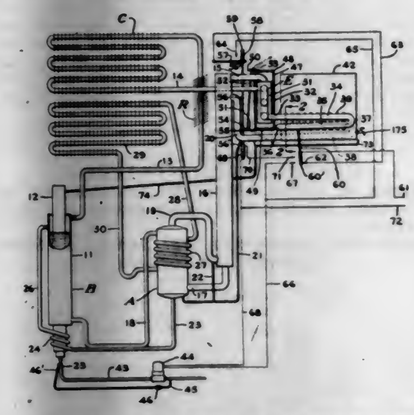
prises cooling an olefine oxide to a temperature below the boiling point of the said oxide and passing said olefine oxide continuously into a reaction vessel to which no external heat is added together with sufficient water to form 10% to 15% by volume of aqueous solution of glycol on the hydration of all of the olefine oxide in the presence of 0.1 to 0.5 gram of sulfuric acid for every 100 cc. of the aqueous solution of glycol and continuously withdrawing an aqueous solution of the glycol.

2,255,412
WINDSHIELD HEATER
Joseph H. Cohen, Bridgeport, Conn.
Application March 21, 1934, Serial No. 716,659
12 Claims. (Cl. 20—40.5)



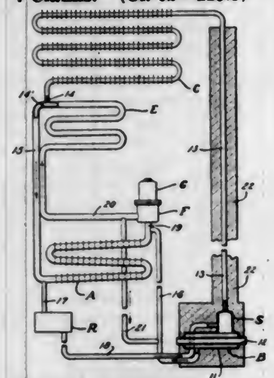
1. A device to be mounted on a windshield comprising a metal frame having a reveal opening; a pane of glass fitting within the frame; a resilient sealing strip inserted in said frame and disposed between the latter and said pane and constituting means for sealing and retaining the pane in the frame; and a clincher rim on the frame engaging an abutment on the sealing strip for holding the same in the frame.

2,255,413
REFRIGERATION
Curtis C. Coons, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application August 30, 1937, Serial No. 161,563
49 Claims. (Cl. 62—5)



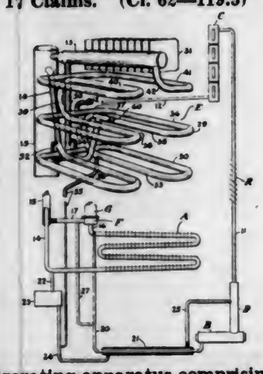
1. A refrigerating system including an evaporator having distinct box-cooling and ice-freezing sections, said sections being arranged so that liquid refrigerant supplied to the top portion of the box-cooling section may flow downwardly through the entire evaporator by gravity, means for supplying an inert gas stream to the lowest portion of the evaporator, and means responsive to demands for refrigeration operative to cause evaporation of the liquid refrigerant into the inert gas stream to occur in a selected one of said sections.

2,255,414
REFRIGERATION
Curtis C. Coons, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application August 30, 1937, Serial No. 161,564
7 Claims. (Cl. 62—119.5)



7. An absorption refrigerating system comprising a generator containing a solution of a refrigerant in an absorbent having a negligible vapor pressure at the temperatures and pressures under which the refrigerant will be expelled from the solution, a condenser, means for conveying refrigerant vapor from said boiler to said condenser and for substantially preventing rejection of heat from the vapor enroute from said boiler to said condenser, an evaporator connected to receive refrigerant liquid from said condenser, an absorber, means for conducting refrigerant vapor from said evaporator to said absorber, and means for circulating solution between said absorber and said boiler.

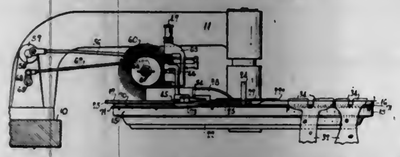
2,255,415
REFRIGERATION
Curtis C. Coons, North Canton, and William H. Kitto, Canton, Ohio, assignors to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application July 20, 1938, Serial No. 220,188
In Great Britain August 20, 1937
17 Claims. (Cl. 62—119.5)



3. Refrigerating apparatus comprising a boiler, a condenser, an absorber, an upstanding evaporator, means for conveying refrigerant vapor from said boiler to said condenser, means for

supplying liquid refrigerant from said condenser to the central portion of said evaporator, means interconnecting said evaporator and said absorber to form a pressure equalizing medium circuit, means for propelling a pressure equalizing medium through said circuit, said circuit being arranged to supply pressure equalizing medium under pressure to the lower portion of said evaporator and to circulate the same through said evaporator with sufficient velocity to propel the refrigerant through said evaporator, and means for draining liquid refrigerant elevated through said evaporator from the gas outlet thereof to the lowest section thereof without allowing the pressure equalizing medium to flow therethrough.

2,255,416
LOOPER TENSIONING DEVICE
Everett F. Coren, Concord, N. C., assignor to Concord Knitting Company, Concord, N. C., a corporation of North Carolina
Application May 23, 1940, Serial No. 336,788
6 Claims. (Cl. 112—25)



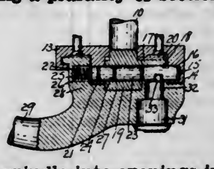
1. In a looper mechanism for uniting the proximate edges of a stocking, a plurality of movable points on which the loops of said edges are adapted to be placed, means for shearing the edges above the loops held by the points, a stationary guard for confining said loops on the points during shearing, a flexible band movable with said points and also being adapted to engage the opposite side of said stocking from said guard, and a fixed cam on said guard, said cam being disposed slightly above and in the path of said flexible band, whereby the stocking and band will be forced downwardly when passing the shearing point.

2,255,417
PROCESS FOR REFINING HYDROCABRONS
Carleton Ellis, Montclair, Thomas C. Whitner, Elizabeth, and Wilbur V. Keegan, West New York, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 3, 1938, Serial No. 243,766
8 Claims. (Cl. 196—30)

2. A process for sweetening a sour petroleum hydrocarbon oil containing mercaptans, which comprises converting the mercaptans into oil-soluble mercaptides of a heavy metal, and thereafter treating the oil containing said mercaptides in liquid phase with a salt of a halogenated mono-carboxylic acid, reacting said salt with the mercaptides to form oil-insoluble derivatives, and removing said derivatives from the oil.

2,255,418
LOCK
Irving J. Fletcher, New Britain, Conn., assignor to The American Hardware Corporation, New Britain, Conn., a corporation of Connecticut
Application September 30, 1940, Serial No. 359,044
11 Claims. (Cl. 70—215)

1. A lock including a support for a handle, said support having a locking bolt recess, a handle rotatably mounted on the support, a spindle extending through the support and into a recess in the handle, a locking lug extending from said support and having an opening therein, a locking bolt comprising a plurality of sections extending



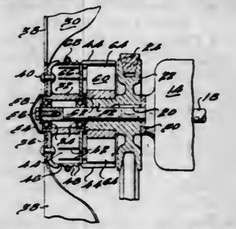
through said spindle into openings in the handle and lug on opposite sides of the spindle, means in said handle operatively connected with said locking bolt for operating it, and a door securing member operatively connected with said spindle.

2,255,419
STABILATOR FOR BEDSPRINGS
Thomas S. Foley, Utica, N. Y., assignor to Foster Brothers Manufacturing Company, Utica, N. Y., a corporation of New York
Application May 20, 1940, Serial No. 336,079
2 Claims. (Cl. 5—262)



1. In a bed spring, the combination of upper and lower border frames, spring supporting cross members on said frames, a plurality of vertically arranged compression springs disposed between said frames with their opposite ends secured to the cross members of said frames, a rigid connecting link at each end of the bed spring, each link having one end operatively pivoted to the upper frame and its other end operatively pivoted to the lower frame, the length of said links being approximately half the width of the bed spring so that lateral vibration of the upper frame relative to the lower frame is prevented but free movement of the upper frame towards the lower frame is allowed, said links being reversely arranged at the two ends of the bed spring so that on compression of the bed spring the lateral movement of the upper frame at the two ends of the bed spring is in opposite directions.

2,255,420
FAN DRIVE AND THE LIKE
Frank O. Graham, Detroit, Mich., assignor of one-third to Grayston R. Ohmart, Detroit, Mich.
Application November 23, 1938, Serial No. 241,924
1 Claim. (Cl. 123—171)



In a fan drive for a motor vehicle in which an internal combustion engine adapted to be operated at a wide range of speeds during normal operation and in which a liquid circulation system including a radiator are provided, and in

which a rotatable fan for effecting a flow of air through said radiator is associated with the engine, whereby air also flows through said radiator upon motion of said vehicle, the combination with means for driving said fan comprising, a first member driven at a speed proportional at all times to the speed of rotation of said engine, a second member rotatable at all times in direct proportion to the speed of rotation of said fan arranged in approximately aligned relation to said first member and rotatable relative thereto, a multipolar permanent magnet fixed for rotation with one of said members, and a magnetically attractable member arranged in peripherally enclosing relation with respect to said magnet fixed for rotation with the other of said members and free to rotate independently of said magnet except for the magnetic drag of said magnet existing therebetween, whereby said fan is constantly urged toward proportional rotation with said engine, the construction and arrangement of said magnet, said magnetically attractable member and said fan being such that a material and increasing amount of slippage occurs in said drive between said magnet and magnetically attractable member when said engine is rotated at increasing speeds of rotation materially in excess of predetermined lower speeds of rotation.

2,255,421

PROCESS FOR PURIFICATION OF CARBOXYLIC ACIDS

Herbert P. A. Groll and Miroslav W. Tamele, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application July 25, 1936, Serial No. 92,691
19 Claims. (Cl. 260—530)

1. A process for the removal of detrimental and difficultly-removable oxidizable impurities from a crude isobutyric acid prepared by the oxidation of isobutyraldehyde, which comprises contacting the impure acid in the liquid phase with molecular oxygen in the presence of an oxidation catalyst at a temperature of from about 80° C. to about 120° C. whereby the detrimental impurities present in the acid are substantially oxidized to readily-removable oxidized bodies, and distilling the mixture to separate the oxidized bodies from the acid.

2,255,422

PROCESS FOR THE PRODUCTION OF MAGNESIUM HYDROXIDE

Sheldon B. Heath and Raymond J. Anderson, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application February 23, 1939, Serial No. 257,970
6 Claims. (Cl. 23—201)

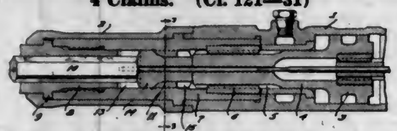
6. In a process for the production of magnesium hydroxide from brines containing dissolved magnesium salts, the steps which comprise treating calcium oxide with approximately 5 parts by weight of water having dissolved therein from about 0.15 to about 45.0 grams per liter of sodium sulphate to form a suspension of calcium hydroxide, adding said suspension to the brine, the amount of calcium hydroxide being less than that required to react with all of the magnesium salts dissolved in the brine, to precipitate magnesium hydroxide, allowing the precipitated magnesium hydroxide to settle, and thereafter separating the settled precipitate from the supernatant liquid.

2,255,423

ROCK DRILL TAPPET

Mervin C. Huffman, Denver, Colo., assignor to Gardner-Denver Company, Quincy, Ill., a corporation of Delaware

Application December 16, 1940, Serial No. 370,309
4 Claims. (Cl. 121—31)



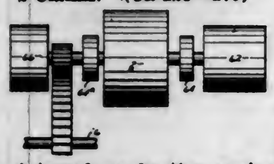
1. In a rock drill, the combination of a cylinder having therein a reciprocating hammer piston, a chuck secured to the cylinder and receiving therein a steel, a tappet between the piston and steel transmitting blows from the former to the latter, a guide element for the tappet, and said tappet and element having co-acting ribs forming a support for the tappet during its movement.

2,255,424

STARTING MEANS

Joseph Jandasek, Cicero, Ill.

Application March 31, 1937, Serial No. 133,943
2 Claims. (Cl. 123—179)



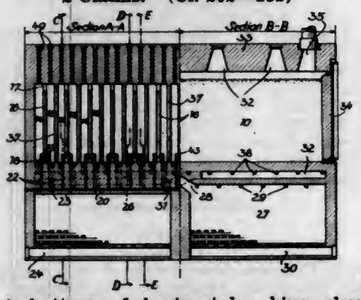
1. In an internal combustion engine, a main starting mechanism for the engine, a supercharger, a one-way clutch for operatively interconnecting the engine and supercharger, auxiliary means for actuating the supercharger, and a one way clutch between the supercharger and auxiliary means, the first-named clutch adapting the auxiliary means for driving the supercharger before the main starting mechanism is actuated.

2,255,425

COKE OVEN BATTERY

Heinrich Koppers, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa., a corporation of Delaware

Application September 7, 1939, Serial No. 293,804
In Germany September 8, 1938
2 Claims. (Cl. 202—151)



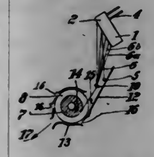
1. A battery of horizontal coking chamber ovens comprising a series of alternate coking chambers and heating walls therefor arranged side by side in a row, each of said heating walls comprising vertical heating flues, air regenerators below said series paralleling the heating walls and communicating through channels with the bottoms of the vertical heating flues, rich gas duct leading from underneath the heating walls into the bottom of the flues, said heating flues being interconnected at the top in such a manner that the heating flues are operatively disposed in sets of two operable in alternation with each other for up-flow combustion in one flue of each set and downflow of the waste gas combustion products in the other flue of each set, and the flues of each set of two being interconnected with each other at their bottoms by lower openings in such manner that the waste gas flowing down in flues operable for downflow may circulate through the lower openings into the bottoms of the up-flow flues and be mixed with the ascending combustion gases; and in which the rich gas ducts, and the air channels, and the lower circulation openings lie, in a vertical central plane of the bottom of the heating wall, and in which the rich gas ducts terminate above the upper extremity of the lower circulation openings into the up-flow heating flues and stand free above the bottoms of the heating flues so that waste gas from the lower openings may encompass the same before reaching the upper terminus of the rich gas ducts.

2,255,426

METHOD OF WINDING THIN THREADS OR FILAMENTS

Armand Lamesch, Herzogenrath, near Aachen, Germany, assignor to Schlesische Spiegelglas-Manufactur Carl Tielsch G. m. b. H., Waldenburg-Altwasser

Application September 23, 1937, Serial No. 165,370
In Germany October 1, 1936
3 Claims. (Cl. 49—17)



1. Apparatus for winding threads of material having properties like those of glass, comprising a source of material, means to supply drops of the material moving away from the source and connected by threads of the material to the source, a rotatable spool at one side of the path of the drops, a longitudinally slitted sleeve surrounding the spool, and flanges on the ends of the spool extending into proximity to the sleeve, one of said slits being open towards said source in position to receive the drops in their movement from the supply, one slit being positioned for passage of the drops away from the spool, and other slits having their edges turned to direct air towards the spool.

2. The method of winding upon spools thin threads of material having properties similar to those of glass, which consists in shielding from the surrounding air a concentric layer of air around a spool upon which thread is to be wound, the shielding being complete at the ends of said layer but discontinuous around its circumference, rotating the spool, passing threads into said layer through the shield and into contact with the spool, winding the threads on the spool and passing air through the shield into said layer and against the threads and blowing the threads towards the spool.

2,255,427

FOOD PROCESS

Stanley S. Langendorf, San Francisco, Calif.

Application January 16, 1939, Serial No. 251,115
3 Claims. (Cl. 99—83)

1. The process of making a cereal product that includes the steps of reducing ordinary, baked, cereal-flour bread into relatively small pieces, mixing said pieces with an aqueous solution that includes molasses, bran, sugar, water and malt, until the liquid ingredients are substantially absorbed therein, compressing the pieces resulting from the aforesaid mixing together to form relatively larger pieces of substantially uniform size, roasting said larger pieces until browned and of substantially brittle hardness throughout, breaking the roasted larger pieces into smaller pieces of substantially uniform size, and packaging said smaller pieces for shipment.

2,255,428

ASH TRAY AND RECEPTACLE

Harold Leiman, Astoria, Long Island, N. Y.

Application March 28, 1940, Serial No. 326,328
2 Claims. (Cl. 131—235)



1. In an ash tray and receptacle, a cover for said receptacle having a frusto-conical downwardly projecting wall portion with its sides converging to form an acute angle, said cover being formed with a coaxial opening at the bottom of its converging sides, a spherical member resting on the edge of said opening closing the same, and said spherical member having a diameter slightly greater than said opening and of a size so that its top sets at a substantial distance below the top edge portion of said converging sides forming a large unobstructed compass above said spherical member wherein ashes may collect, and means extending from said spherical member for facilitating the lifting thereof out of its normal position so that the collected ashes may pass through said opening into said receptacle, comprising a thin handle having one end attached to said spherical member and a free end projected axially from said spherical member beyond the top edge portion of said converging sides to be manually grasped for lifting said spherical member, and semi-spherical recesses formed in said spherical member and into which the lighted end of a cigarette may be engaged for snuffing the same.

2,255,429

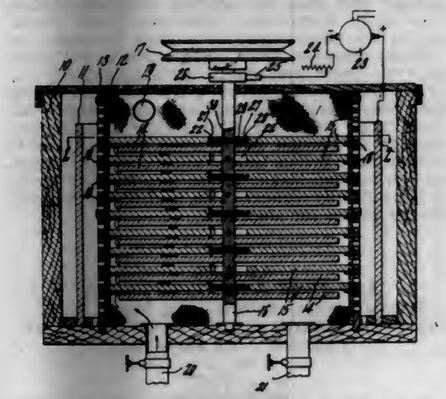
APPARATUS FOR BLUNGING AND DECOLORIZING CLAY OR THE LIKE

Sanford C. Lyons, Bennington, Vt., assignor to Bird Machine Co., Walpole, Mass., a corporation of Massachusetts

Application July 28, 1937, Serial No. 156,138
6 Claims. (Cl. 204—212)

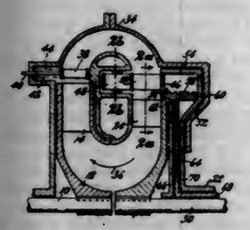
1. Apparatus of the class described consisting essentially of an electrolytic cell provided with a plurality of pairs of relatively rotatable coaxial discs arranged in confronting horizontal planes and clearing each other by a small gap, at least one disc of a pair being a cathode, means for causing relative rotation between said discs, a

permeable diaphragm defining and surrounding a cathode compartment in which said discs are located, an anode outside of said compartment, means for introducing liquid to be electrolyzed into the cathode compartment near its bottom, and means for withdrawing electrolyzed liquid



from said anode compartment near its top, said discs defining a zigzag path of flow for said liquid introduced near the bottom of the cathode compartment to the top of said compartment and said path of flow including in part the gaps between said discs.

2,255,430
HYDRAULIC POWER TRANSMISSION
Alf Lysholm, Stockholm, and Gustav Karl William Beestad, Lidingo, Sweden, assignors, by mesne assignments, to Jarvis C. Marble, Leslie M. Merrill, and Percy H. Batten, trustees
Application September 18, 1937, Serial No. 164,478
In Great Britain September 21, 1936
11 Claims. (Cl. 60—54)



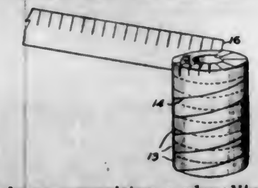
1. In a hydraulic power transmission, means providing a fixed closed path of flow or circuit for working liquid, pump blades rotatably mounted in said circuit for circulating the liquid, rotatably mounted turbine blades in the circuit for absorbing power from the liquid, guide blades permanently located in the circuit for guiding the liquid, and auxiliary guide blades shiftable at will from a position outside said circuit into the circuit to alter the direction of flow of the liquid discharged from the pump blades to a direction suitable for reverse rotation of the turbine blades, said turbine blades including separate sets of blades for forward and reverse rotation of the turbine part of the apparatus and said separate sets being shiftable at will in alternation into said circuit.

2,255,431
MOLDED FLUORESCENT LAMP
John W. Marden, East Orange, and George Meister, Newark, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 21, 1939, Serial No. 300,542
1 Claim. (Cl. 176—122)



A fluorescent lamp comprising a disc-shaped envelope formed of coinciding molded portions hermetically sealed together to provide a discharge chamber of relatively large area and closely spaced walls, a coating of fluorescent material on the walls of said envelope, an ionizable medium in said discharge chamber, a pair of electrodes disposed in said discharge chamber between which a diffused discharge occurs with attendant uniform excitation of said fluorescent coating upon the application of a potential thereto, a partition in said discharge chamber to increase the length of the discharge path between said electrodes to a predetermined minimum, and the walls of said discharge chamber converging in the direction of the axis of said disc-shaped envelope to render the voltage drop of the shortest actual discharge path the same as that of the remaining longer paths of varying lengths to cause the voltage drop of the entire diffused discharge to be uniform throughout said discharge chamber.

2,255,432
PACKAGE
Howard Nelson Moore, Washington, D. C., assignor of one-half to Mrs. Howard Kirkpatrick Moore, Washington, D. C.
Application March 24, 1937, Serial No. 132,839
13 Claims. (Cl. 206—56)

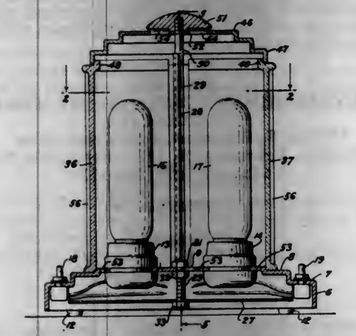


1. A package comprising a plurality of similar articles, a relatively long, narrow, flexible, helical wrapper, portions of which are lapped, wrapped tightly around the outer edges of said articles, portions of said lapped portions being positioned between adjacent articles, forming means separating an article from one next adjacent.

2,255,433
LAMP
Gerald Moss, San Francisco, Calif.
Application January 12, 1940, Serial No. 313,575
3 Claims. (Cl. 240—11.2)

1. A lamp comprising a base having a pair of spaced light bulb sockets therein for removably receiving light bulbs, a pair of translucent shield sections removably seated on said base; each of said sections having an open end and said sections being arranged with their open ends adjacent to one another, a rod removably fastened to said base and projecting therefrom between said sections, an opaque baffle plate on said rod

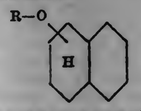
transversely spanning said sections to interrupt light rays in one direction that emanate from energized light bulbs, means for removably holding said sections together on said base in an



upright position, a top for the lamp removably seated on the top of said sections, and a nut removably fastened to said rod and bearing on said top.

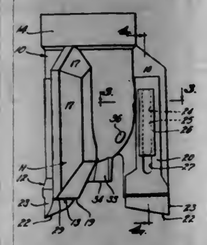
2,255,434
ARYLOXY-TETRAHYDRONAPHTHALENES
Clarence L. Moyle, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application January 18, 1940, Serial No. 314,469
8 Claims. (Cl. 260—612)

1. An ac-aryloxy-tetrahydronaphthalene having the general formula



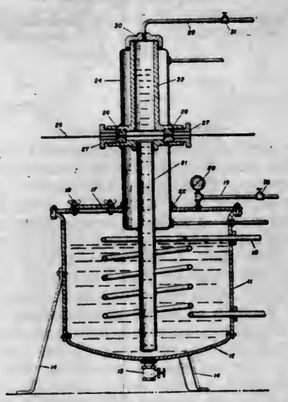
wherein R represents an aromatic radical of the benzene series.

2,255,435
WELL BIT
Max A. Newton, Avenal, Calif.
Application October 8, 1940, Serial No. 360,271
13 Claims. (Cl. 255—61)



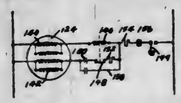
1. A well drilling tool comprising a body, a projecting cutting part on the body, a shiftable cutting part, and means for holding the shiftable cutting part in a position where it extends beyond the first named cutting part and releasable to allow retraction of the shiftable cutting part from the cutting position when the shiftable cutting part is worn to given extent.

2,255,436
COATING APPARATUS AND METHOD OF OPERATION
John W. Olson, Hastings on Hudson, N. Y., assignor to Anaconda Wire & Cable Company, New York, N. Y., a corporation of Delaware
Application September 19, 1939, Serial No. 295,575
10 Claims. (Cl. 91—18)



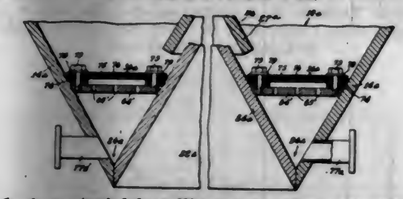
7. In apparatus of the class described, an applicator for coating a strand with compound, a storage tank for the supply of compound, a body of compound maintained within said storage tank at a temperature above its melting point, means for maintaining the temperature of the compound within the applicator at a temperature higher than the temperature of the compound in the storage tank, means for raising the compound to said applicator, said compound being maintained at superatmospheric pressure, and a single connection between the storage tank and the applicator for the transfer of compound.

2,255,437
OVERLOAD DEVICE FOR CAPACITOR START ELECTRIC MOTORS
George C. Pearce, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application March 26, 1938, Serial No. 198,292
2 Claims. (Cl. 172—279)



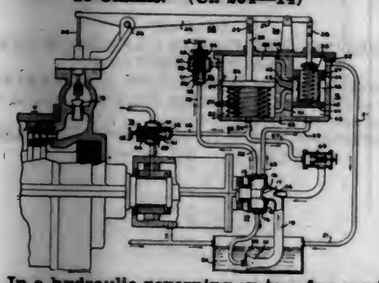
1. An electric motor and control circuit comprising an electric motor having main and phase windings, overload switch means for deenergizing the motor, said overload switch means being provided with operating means having a plurality of directly associated current responsive energizing means located outside the motor, one of said current responsive energizing means being responsive to the current traversing the phase winding and another being responsive to the current traversing the main winding and the phase winding, a starting control switch in series with said one current responsive energizing means for controlling the energization of the phase winding, and means for moving said starting control switch to closed position during the starting period of the electric motor and to open position after the starting period.

2,255,438
MATERIAL HANDLING APPARATUS
Evelyn G. Robinson, New York, N. Y.
Application June 3, 1939, Serial No. 277,231
11 Claims. (Cl. 302—53)



1. A material-handling apparatus comprising a container adapted for the reception of material to be removed therefrom and having a downwardly extending wall converging toward the axis of the container, a pick-up nozzle disposed within said container and provided with an inlet, said nozzle comprising a bottom-forming unit including a downwardly and outwardly extending wall forming with the first-mentioned wall a relatively narrow channel surrounding said axis and into which material is adapted to move under the action of gravity and a hood-like cowl spaced from and substantially enveloping the second-mentioned wall, a discharge conduit associated with said pick-up nozzle and leading outwardly of said container, and a distributor unit disposed about said axis and arranged to effect delivery of compressed air to said container in the vicinity of said channel.

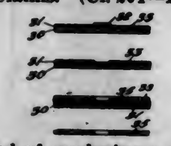
2,255,439
GOVERNING APPARATUS
Henry F. Schmidt, Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 10, 1940, Serial No. 360,549
18 Claims. (Cl. 264—14)



1. In a hydraulic governing system for a prime mover having a controlling element, means providing fluid under pressure varying as a function of the prime mover speed and including a centrifugal impeller driven by the prime mover, hydraulic operating mechanism for the controlling element, means responsive to pressure provided by the impeller for controlling said mechanism, and means including a constant-flow device for supplying fluid from the impeller for motivation of the hydraulic operating mechanism.

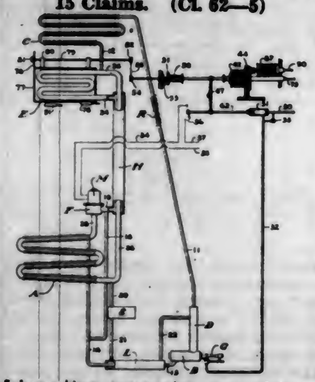
8. In hydraulic governing apparatus, an impeller including a runner and a casing providing a pressure space, an operating cylinder, an operating piston in the cylinder, a first conduit for supplying liquid from the impeller pressure space to the space of said operating cylinder at one side of the operating piston, a constant flow valve in said conduit, spring means exerting force on the other side of the operating piston, a pilot valve for controlling the discharge of liquid from the space at the first side of the operating piston, means for controlling the pilot valve including a pressure-responsive device, and a second conduit connecting the impeller pressure space with the pressure-responsive device.

2,255,440
ELECTROFORMING METHOD OF PREPARING STENCILS
Wilson R. Sherman, Fall River, Mass.
Application February 20, 1939, Serial No. 257,324
3 Claims. (Cl. 204—11)



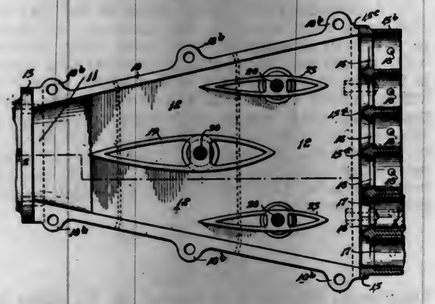
1. The method of producing a printing stencil comprising the steps of providing a base having a waxed surface, coating portions of the waxed surface of said base with a material which is soluble and removable from said waxed surface by being dissolved therefrom, said coatings forming areas on the waxed surface corresponding to the desired pattern and at locations which are to be holes in the final stencil, covering the whole of said exposed waxed surface of the base and also the surface of said soluble coatings with a metallic material which is a good conductor of electricity and in a finely divided state, then removing said soluble coatings from the waxed surface of the base by treatment with a liquid of a character capable of dissolving said soluble coatings and which does not dissolve the wax to release the finely divided electrically conductive material attached thereto and leave areas of wax exposed to view in the conductive metallic layer at the locations formerly occupied by said soluble coatings and at locations which are to be holes in the final stencil, electrically depositing a metal on the metal coated surface of the base to form the final stencil, and then removing the deposited metal from said base.

2,255,441
REFRIGERATION
Arnold D. Siedle, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application July 20, 1938, Serial No. 220,192
15 Claims. (Cl. 62—5)



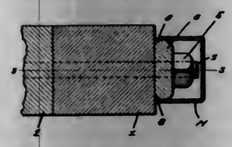
1. Refrigerating apparatus comprising a cooling unit, means for supplying a cooling medium to said cooling unit, means for controlling the operation of said cooling medium supply means, refrigeration demand responsive means for operating said control means, thermostatic means for holding said refrigeration demand responsive means in operative position, said thermostatic means being operative to allow movement of said refrigeration demand responsive means to an inoperative position in response to the formation of a predetermined depth of frost on said cooling unit.

2,255,442
DISTRIBUTOR
Watson W. Tranter, Hallam, Pa., assignor to A. B. Farquhar Company, Limited, York, Pa., a limited partnership of Pennsylvania
Application February 9, 1939, Serial No. 255,553
9 Claims. (Cl. 302—28)



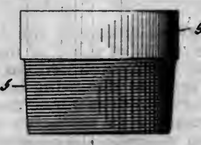
1. A distributing head comprising a body portion having an inlet opening, and a plurality of outlet openings, a plurality of adjustable vanes between and spaced from the inlet and the outlet openings and means for adjustably pivoting one of the vanes intermediate its ends and relative to another vane.

2,255,443
CUTTING BLOCK
Joseph Phelan Van Ryzin, Appleton, Wis.
Application September 18, 1940, Serial No. 357,316
1 Claim. (Cl. 164—58)



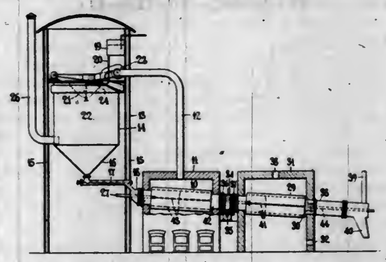
In a cutting device including a plurality of blocks, rods passing through the blocks and nuts on the outer ends of the rods, plates engaging side portions of the device and through which the ends of the rods pass with the nuts engaging the plates and channel-shaped members removably engaging the plates and covering the ends of the rods and the nuts thereon, each channel-shaped member having the edges of the flanges curving inwardly and each plate having curved side edges for engagement by the curved edges of the channel flanges each channel-shaped member having its side edges curving inwardly and each plate having curved side edges for engagement by the curved side edges of the flanges said edges being adapted to be removed from engagement with the side edges of the plate by a tool placed in engagement with the curved edges of the flanges to force such edges outwardly.

2,255,444
CONTAINER OR LIKE ARTICLE OF MANUFACTURE
Milton J. Blanchard, Buffalo, N. Y.
Application October 14, 1938, Serial No. 235,019
2 Claims. (Cl. 229—4.5)



1. The method of producing a container or similar article of manufacture consisting in forming a body of spirally wound strip material, the end of the body of the container being formed by winding the strip directly upon a member positioned thereon intermediate the edges of the strip, and holding said strip material under a high enough tension during the winding of said convolutions to stretch or distend certain zones thereof and cause them to embrace and contract about the peripheral edges of said member in such a manner as to secure it against displacement, said member providing the bottom closure of said container.

2,255,445
PRODUCTION OF SULPHURIC ACID AND IRON OXIDE FROM WASTE PICKLING ACID
Douglas R. Clarkson, Buffalo, N. Y., assignor to Ella Van Gorder, Buffalo, N. Y.
Application April 25, 1938, Serial No. 204,250
6 Claims. (Cl. 23—168)



3. The method of treating ferrous sulphate from waste pickling liquors for obtaining separately the metal and non-metal values thereof which comprises passing the ferrous sulphate and an oxygen containing gas through a heating zone having a plurality of temperatures, one temperature being sufficient to decompose the ferrous sulphate into a gaseous decomposition product containing sulphur dioxide and a solid decomposition product, another temperature lower than said first temperature favoring the oxidation of sulphur dioxide to sulphur trioxide introducing additional unheated oxygen containing gas into said zone of lower temperature in amounts to compensate for the exothermic reaction there occurring and to maintain the temperature at the lower gradient and discharging the solid product and gaseous product concurrently from the heating zone.

2,255,446
ROTARY RADIO ANTENNA ELEMENT
Robert Alan Cowdery, Geneva, and Howard L. Jenkins, Springfield, Ohio, assignors to The American Fork & Hoe Company, Cleveland, Ohio, a corporation of Ohio
Application September 16, 1939, Serial No. 295,260
5 Claims. (Cl. 250—33)

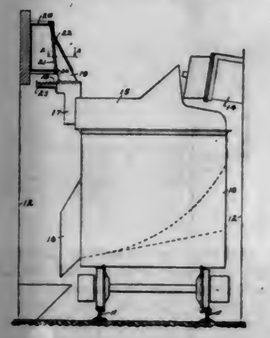


1. An antenna element in the form of a rod adapted to be mounted solely at one end thereof, said antenna being mounted in a horizontal position and prior to mounting being prebent to compensate for a predetermined downward droop when the element is in operative mounted horizontal position whereby the element will assume a substantially straight form in the mounted position responsive to the effect of gravity thereon.

2,255,447
MALONIC ACID DERIVATIVES
Walter Kropp, deceased, late of Wuppertal-Elberfeld, Germany, by Marie Kropp, administratrix, Wuppertal-Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application March 1, 1939, Serial No. 259,106. In Germany March 4, 1938
4 Claims. (Cl. 260—485)

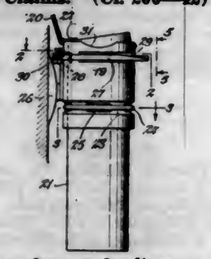
1. A secondary-butyl-lower alkyl-malonic acid-mono-amide-lower alkyl ester.

2,255,448
DUST COLLECTING APPARATUS
Albert M. Morris, Barberton, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application December 23, 1939, Serial No. 310,709
14 Claims. (Cl. 214—41)



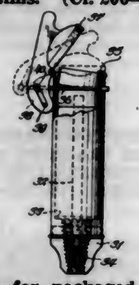
4. The combination with a plurality of storage bins, of a runway disposed adjacent said bins, a car arranged to travel along said runway, means for discharging material from each of said bins into said car, a conduit disposed adjacent the path of travel of said car, means for exhausting air from said conduit to provide a partial vacuum therein and means mounted on said car to travel therewith and having traveling communication with said conduit to facilitate removal through said conduit of dust arising from the material discharged into said car for all positions of said car.

2,255,449
DISPENSER
Maurice E. Mutchler, Kenmore, N. Y.; Hilda M. Mutchler, administratrix of said Maurice E. Mutchler, deceased
Application November 10, 1938, Serial No. 239,851
10 Claims. (Cl. 206—42)



1. A dispenser for candy discs or the like including a body in which said discs are arranged in a roll in a wrapper, said body being formed with an outlet and a circumferential slot which is located in the vicinity of the outlet, a pair of knives which operate in substantially the same plane and which are movable through said slot to cut said wrapper to enable one of said discs to be withdrawn through said outlet and resilient means for restoring said knives to their original positions after they have been actuated for the purpose described.

2,255,450
DISPENSER
Maurice E. Mutchler, Kenmore, N. Y.; Hilda M. Mutchler administratrix of said Maurice E. Mutchler, deceased
Application December 31, 1938, Serial No. 248,891
4 Claims. (Cl. 206—42)

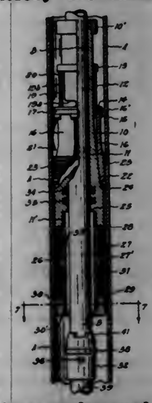


1. A dispenser for packaged candy discs or the like including a body in which the discs are arranged in their wrapper, said body being formed with an outlet, a closure member for said outlet mounted upon said body and movable to open and closed positions, a knife for cutting said wrapper to enable a disc to be withdrawn through said outlet and means connecting said closure member and knife, whereby the former actuates said knife as it is moved to its open position.

2,255,451
WELL DEVICE
Herbert C. Otis, Dallas, Tex.
Application July 27, 1938, Serial No. 221,578
22 Claims. (Cl. 166—12)

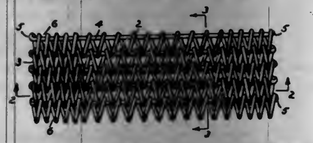
1. A well device including, a tubular packer mounted on a well tubing and movable with relation thereto, means for detachably connecting said tubing and packer, whereby the tubing

may be utilized to move said packer in either direction within the well, so as to locate said packer in a desired position therein, means for anchoring the packer in a sealing position within the well, whereby the tubing may be dis-



connected therefrom and moved therethrough to vary the elevation of the liquid inlet of said tubing in the well bore, and packing elements between the packer and the tubing at each end of the packer.

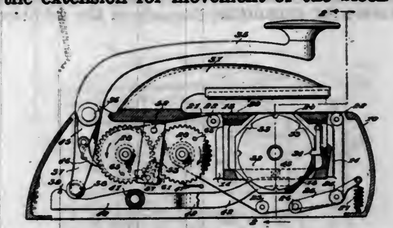
2,255,452
WIRE FABRIC
Clarence E. Pink, Cambridge, Md.
Application August 29, 1939, Serial No. 292,490
12 Claims. (Cl. 245—6)



1. A balanced spiral fabric comprising alternately arranged spirally coiled elements wound in opposite directions, each two adjacent spiral elements being hingedly connected by a straight wire rod extending transversely of the fabric through the convolutions of said elements and fixed at its ends to the end convolutions of one of the spiral elements, certain of said elements including coil portions adjacent to the side edges of the fabric more closely related than the coil portions disposed therebetween in the width of the fabric to provide selvages at the sides of the fabric operating to prevent lateral shifting of the spiral elements in relation to each other.

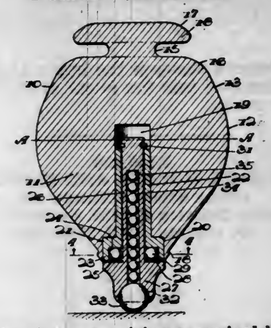
2,255,453
DATING STAMP
Thomas R. Post, Wilmington, N. C.
Application December 2, 1939, Serial No. 307,311
4 Claims. (Cl. 101—100)

1. In a dating stamp, a frame, a platen rigidly fixed to the top of the frame, a block having a plurality of printing wheels journaled therein and supported within the frame for movement toward the platen, an operating arm pivotally supported by the frame and extending over the platen, the arm having an extension within the frame, a lever pivotally supported intermediate its ends by the frame, one end of the lever operatively engaged with the block and the other end of the lever operatively engaged by the free end of the extension for movement of the block to-



ward the platen upon actuation of the operating arm.

2,255,454
SPINNING TOP
Frank H. C. Rust, Charlotte, N. C.
Application July 19, 1939, Serial No. 285,427
1 Claim. (Cl. 46—64)

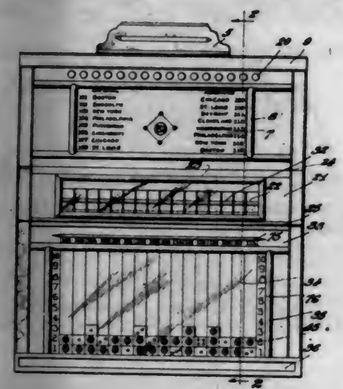


A spinning top comprising a conical body having a coaxial bore extended thereinto from the projected apex of the cone, and having a concentric enlarged recess formed at the lower part of the bore within and forming the termination of the conical portion of the body, a sleeve fixed in the bore and having a raceway fitted within the recess, a pin revoluble in the sleeve having an enlarged head at its outer part underlying and closing the raceway, balls confined between the head and raceway, a concentric socket being formed in the lower side of the head, a large ball revoluble therein, the pin having a bore formed therein extending from the socket and stopping short of the opposite end of the pin, ball bearing means in the last named bore operatively engaged between the inner end of the bore and said large ball, and said conical body having a deep vertically wide circumscribing groove adapted to impart stability to the top during rotation thereof.

2,255,455
AUTOMATIC TALLYING MACHINE
Leavitt A. Shertzer, Massillon, Ohio
Application May 23, 1940, Serial No. 336,827
13 Claims. (Cl. 273—144)

1. A tallying machine including a cabinet having upper, intermediate and lower chutes, scoring elements in the chutes, means for releasing individual scoring elements from the upper chutes to pass to the intermediate and lower chutes for indicating the scores made by imaginary baseball teams, an additional scoring element in each of the upper chutes, and a barrier extending into each of said upper chutes and

normally supporting said additional scoring element in inoperative position, said barrier being shiftable for permitting passage of the additional



scoring element through the upper and intermediate chutes and into the lower chute for breaking a tie score.

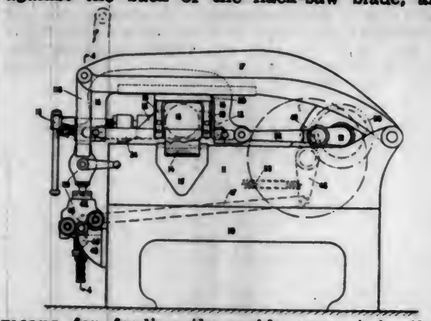
2,255,456
TAPE ROLL HOLDER AND DISPENSER
Irving Stone, Chicago, Ill.
Application January 4, 1939, Serial No. 249,309
10 Claims. (Cl. 206—52)



1. A support on which a tape roll is rotatably disposed comprising a receptacle of folded sheet material, and a center bearing for the roll forming part of the receptacle, said receptacle having side walls, and said bearing comprising a cross-section extending from one wall to the other, an upward wing extending from one end of said section, and an upward extension from said section to line and reinforce the other one of said walls.

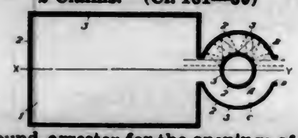
2,255,457
HACKSAW MACHINE
George Swain and William Leslie Bower, Sheffield, England, assignors to James Neill & Company (Sheffield) Limited, Sheffield, England
Application November 16, 1938, Serial No. 240,866
In Great Britain November 30, 1937
16 Claims. (Cl. 29—73)

1. A hack-saw machine comprising saw anchorages free to move in two dimensions in a plane, a hack-saw blade mounted between said anchorages and having set teeth and a back, a work holder, means for reciprocating the anchorages together in one dimension in the plane relatively to the work-holder, a guide support of less width than the overall set of the saw teeth constrained against movement relative to the work-holder in that one dimension but movable relatively to the work-holder in the other dimension in the plane and rigidly supported to bear against the back of the hack-saw blade, and



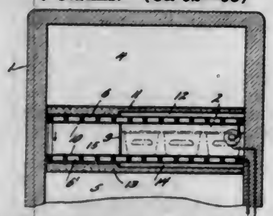
means for feeding the guide support in that other dimension towards the work-holder.

2,255,458
ACOUSTIC DEVICE
Masaichi Tominaga, Hasunuma-cho, Kamata-ku, Tokyo, Japan
Application May 16, 1940, Serial No. 335,631
In Japan September 22, 1939
2 Claims. (Cl. 181—30)



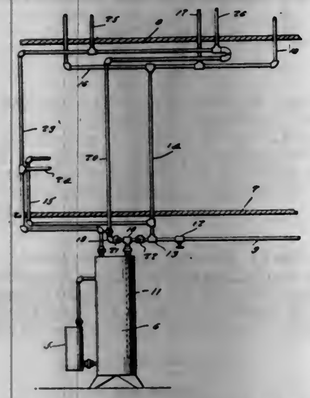
1. A sound-arrester for the openings of a sound arresting room comprising a cylindroid-shaped sound-absorbing wall formed by a curved surface providing a focus in the pathway of sounds issuing from the openings, a sound-absorbing wall substantially parallel with said cylindroid-shaped wall, and a sound-absorbing cupola enclosing the upper ends of said walls.

2,255,459
COOLING PARTITION FOR DOMESTIC REFRIGERATORS
Carl G. Vretman, Atlanta, Ga.
Application November 10, 1939, Serial No. 303,874
7 Claims. (Cl. 62—95)



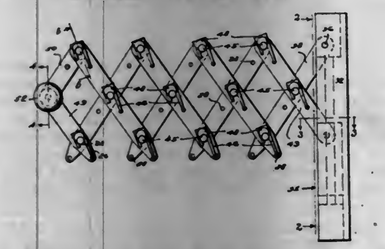
1. In a cooling partition for domestic refrigerators, a flat evaporator plate extending horizontally in a refrigerator housing, a completely closed liquid chamber adjacent said evaporator and in heat exchange contact therewith over a portion of its area, and a flat insulator extending between said evaporator and said liquid chamber throughout a portion of their mutual extent, said insulator serving to regulate the heat exchange between said evaporator and liquid chamber and thereby to concentrate the cooling effect of the evaporator.

2,255,460
PLUMBING SYSTEM
Millard L. Weaver, Rimersburg, Pa.
Application May 7, 1940, Serial No. 333,821
1 Claim. (Cl. 137—79)



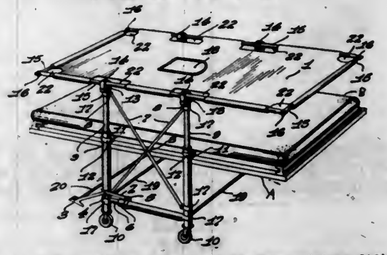
A plumbing system comprising a hot water tank, a T-fitting at the top of the tank having a pipe extending downwardly into the tank to terminate adjacent the bottom thereof, a cold water supply pipe to one side of the T-fitting, a hot water supply pipe extending from the top of the tank, and a return pipe from the hot water supply pipe connected to the other side of the T-fitting, a cold water service riser extending from the cold water supply pipe, a check valve in the latter pipe between the riser and the T-fitting to prevent hot water from reaching the riser, and a check valve in the return pipe adjacent the T-fitting to prevent entrance of cold water from the cold water supply pipe into the return pipe.

2,255,461
TIE RACK
William G. Williams, Orange, Calif.
Application April 11, 1940, Serial No. 329,148
1 Claim. (Cl. 248—277)



An attaching bracket for a lazy tong tie rack and comprising a pair of spaced parallel vertical members, a spacing block at the upper end of the members having a notch, a pin transversely of the notch, said notch receiving one portion of the lazy tong for pivotally mounting on the pin, a carrier slidably positioned between the members and having a tongue and groove engagement with the opposed edges of the members, said carrier also having a notch and a second pin transversely of the last named notch pivotally supporting another portion of the lazy tong thereon.

2,255,462
REST EASY
Martha L. Cowles, Atlantic City, N. J.
Application April 12, 1938, Serial No. 201,553
4 Claims. (Cl. 5—85)



1. An invalid lifting device comprising lifting elements adapted to be positioned on opposite sides of a bed connected for simultaneous operation, each of these elements including two extensible supporting standards, each standard comprising a guiding element, a movable element slidable therein, crossed rods pivoted together at a point intermediate their ends for scissor-like movement, the upper and lower ends of the rods being pivoted respectively to the movable and the guiding portions of the standards, the lower ends of the standards being connected by an extensible member like the standards, a frame having a flexible body support stretched thereon attached to the upper ends of the standards, whereby when the standards at each side of the bed are moved toward each other the lifting elements are extended and the frame elevated and means mounted on the device and operable from either side of the bed for urging the standards toward each other.

2,255,463
TREATMENT BATH AND PROCESS FOR THE PRODUCTION OF COLORED PHOTOGRAPHIC PICTURES
Béla Gáspár, Hollywood, Calif., assignor to Chromogen, Incorporated, a corporation of Nevada
No Drawing. Application May 27, 1939, Serial No. 276,239. In Germany May 30, 1938
18 Claims. (Cl. 95—6)

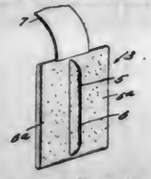
1. In a process for the production of colored photographic pictures by means of local destruction of dye at areas where metallic silver is present in a layer uniformly dyed with a reducible dye, the treatment of said layer with an acid bath comprising hydrohalic acid and a quantity of hydrohalic acid salts exceeding the quantity of acid, both quantities expressed in terms of chemical equivalent weights.

16. A dye destruction bath for locally destroying dye in the production of colored photographic pictures at areas where metallic silver is present in a layer uniformly dyed with a reducible dye comprising a hydrohalic acid and a quantity of hydrohalic acid salts exceeding the quantity of said acid, both quantities expressed in terms of chemical equivalent weights, and a quantity of an organic catalyst capable of accelerating the dye destruction.

2,255,464
SUPPORT FOR THE BACKBONE OR SPINAL COLUMN OF THE HUMAN BODY
Chalmers G. Hall, Jr., Detroit, Mich.
Application September 21, 1939, Serial No. 295,955
5 Claims. (Cl. 155—182)

1. A support for the back-bone or spinal col-

umn of a person comprising a longitudinally disposed ridge of resilient material, applied to the back of the person and interposed between the



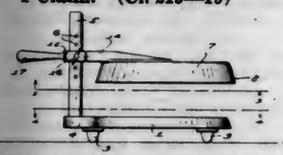
back-bone and a supporting structure for the back of a person said ridge supporting the back-bone independently of the adjacent body tissue.

2,255,465
FLOAT
Thomas M. Hickey, Fort Myers, Fla.
Application February 11, 1941, Serial No. 378,469
4 Claims. (Cl. 43—49)



1. In a device of the character described comprising an elongated float having oppositely disposed end faces, a flat body member on one side of the float and depending therefrom, a draft line anchored to the body member adjacent its lower edge, a guide rod on the float extending longitudinally thereof, and a second draft line connected to the first line and having sliding engagement with said guide rod.

2,255,466
ELECTRICAL APPLIANCE
Louis W. Jenkins, West Branch, Mich.
Application June 28, 1940, Serial No. 343,026
1 Claim. (Cl. 219—19)



An electrical appliance of the class described comprising a base, a post rising from said base and having a series of vertically spaced openings therein, an eye slidably and rotatably mounted on said post, an integral arm projecting from said eye, a plate mounted on said arm, an electric heating element mounted beneath said plate, a handle projecting from the diametrically opposite side of the eye and longitudinally aligned with the arm, and a thumb screw threadedly mounted in the eye and engageable selectively in the openings for releasably securing said eye in vertically adjusted position and against rotation on the post with the plate over the base.

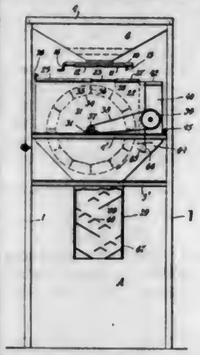
2,255,467
CLOTHESPIN
Frank Kabriel, Summerfield, Kans.
Application April 4, 1941, Serial No. 386,894
1 Claim. (Cl. 24—255)

A clothespin comprising a pair of separate elongate obtuse angled members of resilient material opposed side by side in a common plane and provided with adjacent opposed bevelled ends and a pair of notches in opposed sides thereof adjacent said ends, a pair of flat metal reinforcing strips embedded in said members to extend



longitudinally thereof and completely covered thereby, and a bowed leaf spring connecting said strips intermediate the ends of said members and yieldingly urging said bevelled ends toward each other, said reinforcing strips being of rigid material.

2,255,468
ROTARY GRAIN DUSTING MACHINE
Harold J. Kemp, Swift Current, Saskatchewan, Canada
Application October 10, 1938, Serial No. 234,268
In Canada October 28, 1938
3 Claims. (Cl. 83—28)

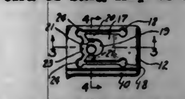


3. A machine for coating with dust the constituents of a granular mass of material, comprising, in combination, a framework, a movable mass scattering element mounted within said framework, a housing surrounding said element and a dust container having a discharge aperture, a freely journalled multi-bladed dust dispersion member rotated by material scattered by said element, said member being positioned adjacent the discharge aperture of said container, dust being precipitated upon the rotating blades of said member as the same is being rotated, to commingle with, and coat with dust, material scattered by said element.

2,255,469
FASTENER
Harold W. Kost, Birmingham, Mich., assignor to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan
Application August 1, 1940, Serial No. 349,046
3 Claims. (Cl. 85—36)

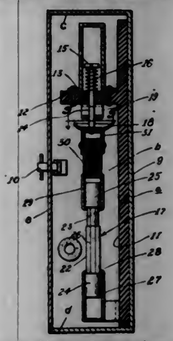
1. A fastener comprising a sheet metal body of

substantially U-shape providing two approximately parallel arms integrally joined at their ends, a fastening device on one of said arms, a peninsular flap on the other of said arms, a pair of finger portions laterally spaced from each other on the end of said flap to form a notch to



provide clearance for the passage of a fastening member, an ear on each of said finger portions formed by bending the metal thereof at substantially right angles thereto for engaging an opening in a part to be joined, and a sloping surface on each ear facilitating the application of the fastener to the part to be joined.

2,255,470
SWITCHING APPARATUS
Ernest C. Matthews, Nashville, Tenn.
Application July 18, 1940, Serial No. 346,233
1 Claim. (Cl. 200—117)



In a device of the character described, an electric switch comprising an insulation panel, a ledge on said panel, a pair of spaced contact members secured to the bottom side of said ledge, said ledge having an opening therein, a shaft extending through said opening, a head on said shaft, a compressible spring between said head and the top side of said ledge, a saddle secured to the bottom end of said shaft below said ledge, a bridge for said contact members on said shaft above said saddle, an insulating member secured to said saddle, a cup secured to said insulating member, a cup fixedly secured to the panel in spaced relation to the first named cup, and a fuse having a telescoping casing provided with heads at each end secured in said cup, said fuse including a fusible element having its ends secured to the respective heads to retain the shaft against movement.

2,255,471
SELF-ADJUSTING HEELPIECE FOR SHOE FORMS
James B. Mutch, Rochester, N. Y., assignor to Schelter Last Co., Inc., Rochester, N. Y., a corporation of New York
Application December 28, 1940, Serial No. 372,123
2 Claims. (Cl. 12—128.2)

1. In a shoe tree, a toe member, a cylindrical rod-like spacing member having one end pivoted to the toe member, a substantially egg-shaped heel-member, there being a centrally disposed recess in the heel membr having a substantially flat generally oval bottom, curved side walls and curved end walls extending outwardly from said bottom to provide a generally oval rim portion, the distance between said side walls being substantially equal to the overall diameter of the



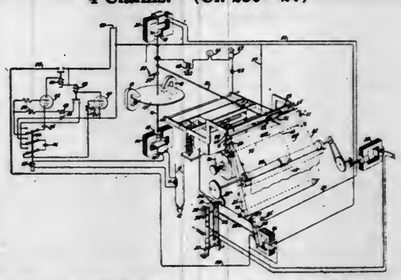
cylindrical spacing member, the other end of said spacing member extending into said recess, and means extending across the side walls of the recess for pivotally anchoring the spacing member to the heel member.

2,255,472
TUBE AND METHOD OF MAKING TUBE
Bert L. Quarnstrom, Detroit, Mich., assignor to Bundy Tubing Company, Detroit, Mich., a corporation of Michigan
Application February 28, 1938, Serial No. 193,143
3 Claims. (Cl. 29—188)



1. The method of making double ply tubing from two strips of stock of indefinite length which comprises moving the strips longitudinally, fashioning one strip while so moving, into tubular form to constitute an inner ply and disposing the edges of said strip in abutting relationship to form a butt seam running lengthwise of the tube, beveling the edges of a second strip of stock, fashioning the second strip of stock around the first while both strips are moving longitudinally, disposing the beveled edges in a scarfed joint running lengthwise of the tube and circumferentially removed from the said butt joint, and applying pressure to the tube to cause the beveled edges to seat upon each other to accommodate differentials in stock width without substantial change in the thickness of the tube wall.

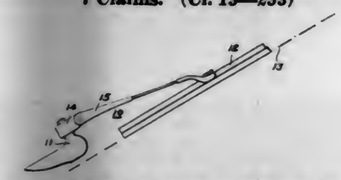
2,255,473
IMPULSE MEASURING AND RECORDING APPARATUS
Theodore A. Rich, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Original application November 26, 1938, Serial No. 242,543. Divided and this application April 24, 1939, Serial No. 269,805
4 Claims. (Cl. 250—27)



1. Surge responsive circuit control means com-

prising in combination with the circuit to be controlled, a grid controlled vacuum tube and a storage condenser in series relation in said circuit, a transfer condenser, a transfer switch operated in one direction in response to the beginning of a surge for connecting said condensers in parallel to equalize the voltages thereon and operated in the opposite direction in response to the ending of a surge for impressing the voltage of the transfer condenser on the grid of said tube to bias it to cut off and to establish a circuit across said transfer condenser for discharging it and thus rendering said tube conducting in a predetermined fraction of a second, and other means responsive to the last mentioned operation of said transfer switch for discharging said supply condenser so that as soon as said tube becomes conducting said circuit will be energized therethrough and remain energized until said supply condenser is recharged.

2,255,474
WINDSHIELD WIPER ARM
Theodore J. Smulski, Knox, Ind., assignor to Productive Inventions, Inc., Gary, Ind.
Application July 26, 1939, Serial No. 286,495
7 Claims. (Cl. 15—255)



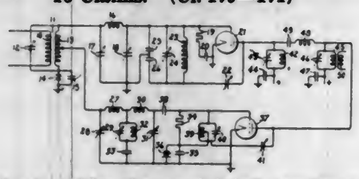
1. A windshield wiper arm adapted to cooperate with a windshield wiper actuating mechanism operatively related to a windshield, and comprising multiple sections including an inner section having at one end thereof means for engaging said windshield wiper actuating mechanism, a second section having a channel shaped portion pivotally connected to the free end of said first section, leaf spring means mounted within said channel portion for biasing said second section toward said windshield, and a turn button mounted on a portion of said means for cooperation with said channel portion and for rendering ineffective at least one of said leaf spring biasing means.

2,255,475
PUMP-PROOF CIRCUIT BREAKER CONTROL SYSTEM
Ferdinand E. Strauss, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 9, 1939, Serial No. 303,645
6 Claims. (Cl. 175—294)



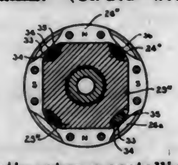
1. Control means for a circuit controlling main switch having an operating winding energizable to close the switch, said control means comprising an abnormal condition responsive means including a switch for opening the circuit controlling main switch, means including a control switch and a lockout switch in series circuit with said condition responsive switch for energizing said operating winding to close said main switch, relay means responsive to each closure of the main switch for opening said lockout switch, an auxiliary switch operable by the closure of the main switch for energizing said relay means, additional means controlled by said relay means for establishing a holding circuit for said relay means when said relay means is energized whereby said lockout switch is maintained open irrespective of the operation of said auxiliary switch, circuit means connecting said auxiliary switch and said additional means in a parallel circuit, said last mentioned parallel circuit being connected in series with said relay means and in parallel with said condition responsive switch, and means for de-energizing said relay means to re-set said lockout switch.

2,255,476
HIGH EFFICIENCY AMPLIFIER
Henry P. Thomas, Schenectady, and Laurance M. Leeds, Scotia, N. Y., assignors to General Electric Company, a corporation of New York
Application February 9, 1939, Serial No. 255,444
16 Claims. (Cl. 179—171)



1. An amplifier for modulated carrier waves comprising a first branch and a second branch, said branches each being connected between a source of said waves and a consumption device, electron discharge amplifier devices in each of said branches, said device in said second branch being adjusted to pass current only upon greater intensities of said carrier waves than exist without modulation, impedance inversion means in said first branch between said consumption device and said discharge device, means included in said first branch between said source and said discharge device to reduce the load on said source during periods of maximum applied voltage, and means included in said second branch for producing side band phase shift substantially equal to that in said first branch.

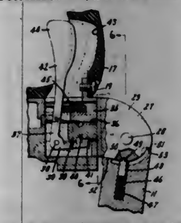
2,255,477
ROTOR
Tullio Tognola, Sidney, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application October 6, 1938, Serial No. 233,554
4 Claims. (Cl. 171—209)



1. In a magnetic rotor, a metallic block having a plurality of projections about the periphery thereof, said block being permanently magnetized so that adjacent projections thereof are magnetic poles of opposite polarity, a pole shoe on each of said projections, each of said shoes having a peripherally extending tongue portion of gradually diminishing thickness on both sides

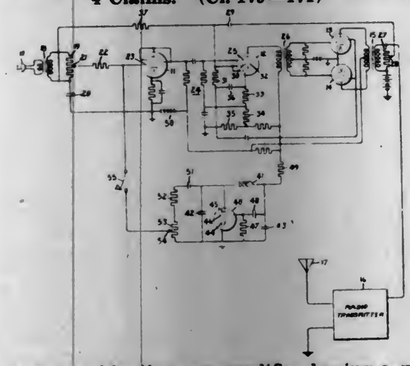
thereof spaced from said block, the adjacent tongue portions of adjacent shoes closely approaching each other, and a yieldable material in the space between adjacent tongue portions and said block, said material covering the gap between the adjacent ends of said adjacent tongue portions.

2,255,478
FOOD WORKING DEVICE
William F. Allenby, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application April 11, 1940, Serial No. 329,118
10 Claims. (Cl. 259—84)



1. In a food working device, a standard, a food working unit, and means for supporting said unit on said standard, said means comprising a hinge member pivotally mounted on said standard so that said food working unit may be tilted between a working and a non-working position, means engaging said hinge member for frictionally latching said food working unit in either the working or non-working position, a stud shaft on said hinge member, a socket on said food working unit adapted to receive said stud shaft so that said unit may be rotated relative to said stud shaft, a latch member on said food working unit, said stud shaft cooperating with a portion of said latch member to removably latch said unit on said stud shaft, and additional means on said stud shaft cooperating with said latch member to releasably latch said unit against rotation on said stud shaft whereby said unit may be supported in a plurality of different positions.

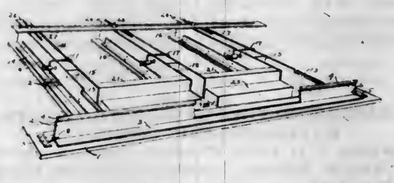
2,255,479
AUTOMATIC LEVEL CONTROL DECOUPLER
Varro J. Clarke, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 7, 1940, Serial No. 360,003
4 Claims. (Cl. 179—171)



1. In combination, an amplifier having a pair

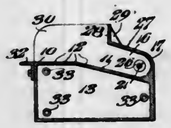
of input terminals, a source of signal voltage to be amplified connected between said terminals, a second source of signal voltage, a switch and connections between said terminals including said switch and said second source, the impedance of said second source being so low relative to the impedance of said first source that signals from said first source are not impressed in substantial intensity on said amplifier when said switch is closed.

2,255,480
FORM FOR CONCRETE STEPS
Anthony W. Connor, Tampa, and Colquit Peterson, Sulphur Springs, Fla.
Application August 22, 1938, Serial No. 226,122
3 Claims. (Cl. 25—118)



1. An adjustable mold for monolithic portable steps having a tread, a riser, and rearwardly extending supporting bar portions, comprising a front member having a vertical portion forming the front wall of the tread and riser portion of the mold, end members mounted substantially at right angles to the front member and adjustable longitudinally thereof to determine the length of the step, a wall member connected with each of the end members and separated therefrom by a spacing member adjustable lengthwise of the end and wall members to provide relatively narrow mold portions for the supporting bars of the step, said end and wall members being adjustable transversely as a unit, and a rear wall member between the end wall members.

2,255,481
RETORT FOR COAL STOKERS
Charles L. Crowley, Philadelphia, Pa., assignor to Anthracite Industries, Inc., New York, N. Y., a corporation of Delaware
Application November 7, 1938, Serial No. 239,209
9 Claims. (Cl. 110—32)



1. A retort for burning non-coking, non-caking coals, comprising a horizontal grate arranged to receive fuel at one side and to discharge ash at another side, said grate having a plurality of tuyères therethrough, a wind-box for supplying air to said tuyères, means including an inclined plane surface to feed fuel upwardly to the receiving side of said grate, means associated with said feeding means for delivering the fuel evenly throughout the length of said receiving side, and guiding means spaced from and substantially parallel to said inclined surface coacting with said feeding means to maintain a substantially uniform depth and width of the fuel bed.

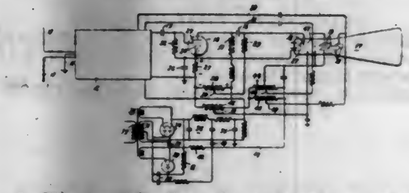
2,255,482
PROCESS WHICH CONSISTS IN CAUSING CHROMIUM TO DIFFUSE
Karl Daeves and Gottfried Becker, Dusseldorf, and Fritz Steinberg, Krefeld, Germany
No Drawing. Application March 20, 1939, Serial No. 263,060. In Germany March 23, 1938
5 Claims. (Cl. 148—14)

1. Method of producing carbon-containing ferrous metal articles having surfaces containing diffused chromium, which comprises substantially suppressing the migration of carbon, by including, in quantity sufficient to bind all the carbon, a carbon-binding alloy element of greater affinity for carbon than chromium, in a carbon-containing ferrous metal composition in which the carbon content in per cent multiplied by the thickness of the article in millimeters exceeds 0.12, producing from such composition the ferrous metal article, and diffusing chromium into the surface of the article.

2,255,483
INHIBITED POLYMERIZABLE UNSATURATED ORGANIC COMPOUND
Gaetano F. D'Alelio, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application October 1, 1938, Serial No. 232,901
10 Claims. (Cl. 260—486)

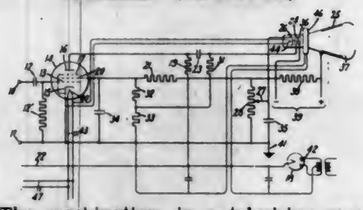
5. A polymerizable composition consisting of monomeric methyl methacrylate having incorporated therein isoascorbic acid in an amount sufficient to inhibit the polymerization of the said methacrylate.

2,255,484
AUTOMATIC BACKGROUND CONTROL FOR TELEVISION SYSTEMS
Robert B. Dome, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application November 30, 1938, Serial No. 243,134
7 Claims. (Cl. 178—7.5)



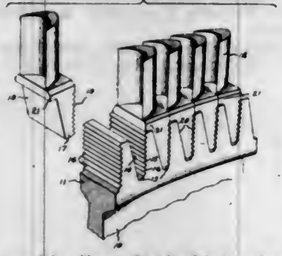
1. The combination, in a television receiver having automatic background control, of a source of picture signals, means for amplifying said signals, said means including an electron discharge device having a cathode and an anode and two impedances connected therebetween, one of said impedances being adapted to develop thereon high frequency voltage representing the received picture and the other having substantially zero impedance for high frequency currents representing said picture and adapted to develop thereon voltages varying only with the background brilliance of the transmitted picture, a picture reproducing device having a cathode and control electrode, a path impenetrable to unidirectional current extending from said control electrode through both of said impedances to the cathode of said picture reproducing device, and a unidirectional current conducting path extending from said control electrode through the last mentioned of said impedances, but excluding the first mentioned of said impedances, to said cathode, the said last mentioned impedance being poled in said last mentioned path to provide a bias on said picture reproducing device varying with said background brilliance.

2,255,485
TELEVISION RECEIVER
Robert B. Dome, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application December 15, 1939, Serial No. 309,443
11 Claims. (Cl. 178—7.5)



1. The combination, in a television receiver, of a cathode ray picture reproducing device having a cathode and a control electrode, an amplifier having an anode circuit, a screen grid circuit, and a control grid circuit, means to supply to said control grid circuit signal currents representing the transmitted picture and its background brilliance, means to develop in said anode circuit electromotive force representing the transmitted picture and to supply said electromotive force between said control electrode and cathode of said picture reproducing device, means to develop in said screen grid circuit by reason of current flowing between said screen grid and cathode an electromotive force representing the background brilliance of said picture, and means to supply such electromotive force between the cathode and control electrode of said cathode ray device.

2,255,486
ELASTIC FLUID TURBINE BUCKET WHEEL
John H. Doran, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application October 1, 1938, Serial No. 232,839
7 Claims. (Cl. 253—77)

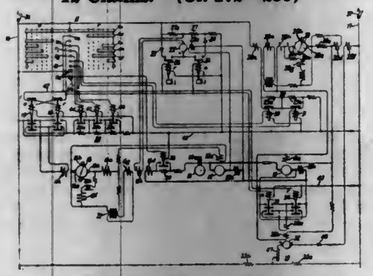


1. The combination of a turbine rotor, the rim of said rotor having a plurality of axially extending and substantially V-shaped slots, one side wall of each of said slots lying in a substantially axial plane, the other side wall of each of said slots lying in a plane inclined with respect to the first mentioned wall, a plurality of buckets mounted on said rotor, each of said buckets having a base portion shaped to cooperatively fit in one of said slots, means for securing said base portions in said slots comprising substantially axially extending and cooperating serrations provided in one of said slot side walls and in the adjacent face of the base portion, the base angle of said serrations being greater than the angle of inclination of said opposite side wall with respect to the radii of said rotor and less than 90 degrees.

2,255,487
SYNTHETIC RESINOUS COMPOSITIONS
Roy C. Feagin, Schenectady, and James G. E. Wright, Alplaus, N. Y., assignors to General Electric Company, a corporation of New York
No Drawing. Application April 12, 1938, Serial No. 201,562
4 Claims. (Cl. 260—36)

1. A solid synthetic resinous product consisting essentially of polyvinyl halide and an oxide of the class consisting of phenoxy propene oxide, secondary amyl phenoxy propene oxide and p-tertiary amyl phenoxy propene oxide, the product containing 50–60% by weight of polyvinyl halide and oxide in quantity sufficient to plasticize said polyvinyl halide and impart elasticity and thermal stability to said product.

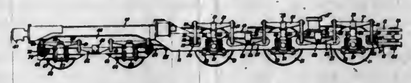
2,255,488
CONTROL SYSTEM
Claude B. Huston, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 25, 1940, Serial No. 337,303
12 Claims. (Cl. 172—239)



1. A motor control system comprising in combination an adjustable voltage generator provided with a field winding, an electric motor supplied from said generator, means for controlling the excitation of said field winding comprising an armature excited dynamo electric machine having a control field winding and a pair of short circuited armature brushes and a pair of load brushes connected to said generator field winding, and means for limiting pump back current between said motor and generator comprising an auxiliary field winding arranged on the same axis of said dynamo electric machine with said control field winding and means responsive to said pump back current for energizing said auxiliary field winding cumulatively with respect to said control field winding.

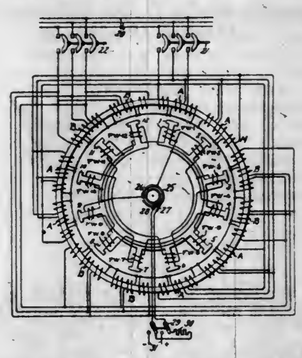
2,255,489
RAILWAY TRUCK CONSTRUCTION AND METHOD OF MAKING THE SAME
Ole K. Kjolseth, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application April 3, 1940, Serial No. 327,589
6 Claims. (Cl. 105—172)

4. The method of making a railway truck frame which includes forming side frames with pedestal openings therein, securing together the side frames in desired relation by welding a transversely extending member thereto, aligning pairs of pedestal shoe members in predetermined longitudinal and transverse arrangement rela-



tively to each other, placing the truck frame with the side frame pedestal openings in registry with the aligned pedestal shoe members, and welding the pedestal shoe members to the side frames in the aligned positions.

2,255,490
PROTECTIVE SYSTEM FOR ALTERNATING CURRENT DYNAMOELECTRIC MACHINES
Arthur H. Lauder, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 8, 1940, Serial No. 364,852
5 Claims. (Cl. 172—289)

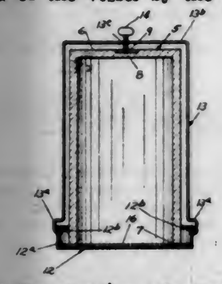


1. In combination, a dynamo-electric machine having a plurality of groups of primary windings, each group being arranged when energized to produce a plurality of groups of adjacent magnetic poles and having a secondary winding comprising the same number of sections as there are magnetic poles produced by said primary windings, means for energizing said groups of primary windings in a predetermined sequence, means interconnecting said sections so that when only a portion of said groups of primary windings is energized and said machine is operating subsynchronously the sections which at all times are simultaneously coupled with similarly energized primary windings are connected in series in an individual circuit, and means for limiting the voltage induced in each of said circuits.

2,255,491
MEANS FOR HUMIDIFYING CIGARS
John P. Mohen, Clayton, Mo.
Application November 8, 1939, Serial No. 303,357
3 Claims. (Cl. 299—20)

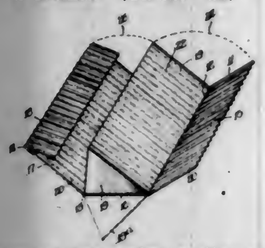
1. An elongate porous vessel closed at one end and open at the other end, whereby the vessel may be supplied with water, and inverted upon a tray with the open end turned downward upon the tray, the juncture of the vessel and tray being substantially air-tight, and the porosity of the vessel being such that the water is held in

suspension by the vacuum formed in the upturned end of the vessel by the weight of the



water, the latter escaping only gradually through the porous sides of the vessel.

2,255,492
CARTON FOR PLASTIC SUBSTANCES
Leo Peters, Chicago, Ill., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois
Application August 1, 1938, Serial No. 222,395
2 Claims. (Cl. 229—22)

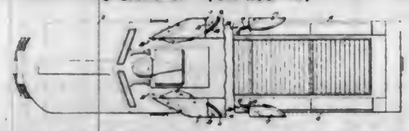


1. A carton of triangular section comprising base and side members integrally connected along lines of fold, at least one of said side members being provided with an integral flap obliquely folded to form an acute angle with its attached side member and functioning as a spring flap overlapping the other side member and locking said first-mentioned side member thereto, said flap, when released from engagement with said other side member, springing inwardly to a position adjacent the side member to which it is attached, and end pieces closing the ends of the carton, said spring flap when overlapping said other side member serving to lock and maintain said side members in carton-forming position.

2,255,493
TREATMENT OF ROTORS
Ross M. Pfalzgraff, Nahant, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application August 3, 1938, Serial No. 222,863
5 Claims. (Cl. 29—155.53)

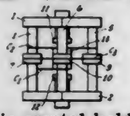
1. The process of treating cast and machined rotors to remove microscopic particles of aluminum from the rotor surfaces deposited thereon during the turning and grinding operations incident to the manufacture of the rotor which consists in treating the cast and machined rotor with a 10 to 15 per cent sodium hydroxide solution for 10 minutes at a temperature of 75 to 85° C., then treating the rotor for 10 minutes with steam and hot water and air drying the washed rotor.

2,255,494
RAILWAY VEHICLE STRUCTURE
James C. Rhoads, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application November 14, 1939, Serial No. 304,353
6 Claims. (Cl. 105—2)



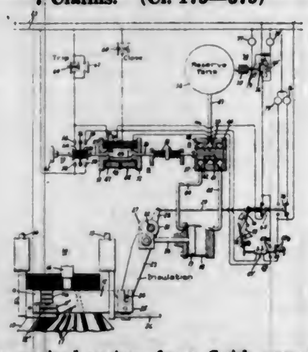
1. In a railway vehicle having a main body provided with sides and a top extending transversely between said sides, a longitudinally extending louver structure arranged in transversely spaced apart relationship along each side of said vehicle adjacent said top provided with a plurality of deflector vanes extending upwardly relatively to said top and having surfaces with different portions extending from substantially longitudinally of said vehicle to substantially transversely thereof.

2,255,495
HOLDER FOR PIEZOELECTRIC CRYSTAL ELEMENTS
Denys Hilary Cooke Scholes, Hornchurch, and Donald Fairweather, Danbury, near Chelmsford, England, assignors to Radio Corporation of America, a corporation of Delaware
Application January 20, 1939, Serial No. 251,880
In Great Britain January 20, 1938
8 Claims. (Cl. 171—327)



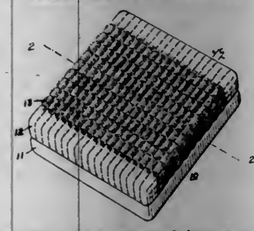
1. A piezo-electric crystal holder comprising a rectilinear support member, a pair of electrodes, a plurality of rods secured to each corner of said support member, a piezo-electric crystal interposed between said electrodes, said crystal being supported in position between the electrodes by a cord secured to said rods.

2,255,496
CONTROL SYSTEM FOR CIRCUIT BREAKERS
Bryce W. Wyman, Upper Darby, Pa., assignor to General Electric Company, a corporation of New York
Application December 22, 1939, Serial No. 310,599
7 Claims. (Cl. 175—375)



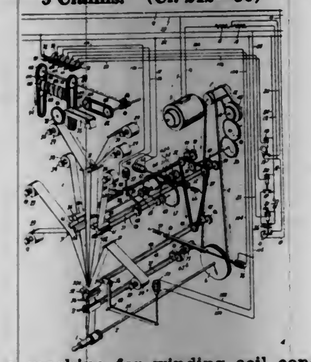
1. In a control system for a fluid-operated circuit breaker, operating means for said circuit breaker including a valve arranged to be supplied with fluid under pressure for controlling the opening and closing movements of said circuit breaker, a solenoid having its armature connected to operate said valve, means normally tending to hold said valve and armature in a neutral or intermediate position, an electric circuit for selectively energizing said solenoid to operate said valve including a "trip" and "close" button, and means mechanically operated by closure of said circuit breaker for preventing repeated closing operations of said circuit breaker when the operator does not release the "close" button in the event that said circuit breaker fails to remain closed.

2,255,497
CLEANING PAD
John W. Anderson, Gary, Ind., assignor to Productive Inventions, Inc., a corporation of Indiana
Application July 26, 1939, Serial No. 286,504
2 Claims. (Cl. 15—209)



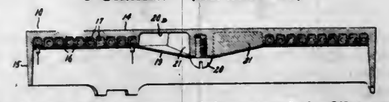
1. A scouring pad comprising a quadrangular prism of resilient foraminous material, said prism having two surfaces larger than the remaining surfaces, said prism being surrounded by a form-fitting porous fabric, and annealed metal wool covering laterally a substantial central portion of one of the larger surfaces of said fabric, said wool having its fibers generally arranged in one direction and being secured to said fabric by stitching said wool at certain intervals in the general direction of the fibers of said wool and also at smaller intervals at substantially right angles to the general direction of the fibers of said wool.

2,255,498
CONDENSER WINDING MACHINE
Alexander Babillis, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application November 16, 1939, Serial No. 304,787
5 Claims. (Cl. 242—56)



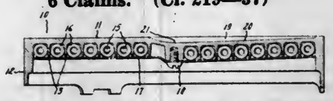
1. In a machine for winding coil condensers, means for supplying alternate strips of foil and dielectric, a mandrel, means for rotating the mandrel to wind the strips thereon, dielectric cutting means arranged between the mandrel and the dielectric supply, foil cutting means arranged between the dielectric cutting means and the foil supply, dielectric feeding means arranged between the dielectric cutting means and supply, foil feeding means arranged between the foil cutting means and supply, a friction wheel adapted to be driven from one of said strips, and control means driven by said wheel for controlling the operation of said cutting, and feeding means.

2,255,499
ELECTRIC HOT PLATE
Leopold Blaha, Nuremberg, Germany, assignor to General Electric Company, a corporation of New York
Application June 3, 1940, Serial No. 338,630
In Germany July 19, 1939
5 Claims. (Cl. 219—37)



1. A hot plate comprising a plate-like mass having an inner central section and a thicker outer section surrounding the central section, a heating element for applying heat directly only to said outer section, and a series of spaced radial, re-enforcing ribs located only under said central section and having a radial length substantially equal to the radial dimension of said central section, said ribs being constructed and arranged to conduct heat from said outer section to said central section.

2,255,500
ELECTRIC HOT PLATE
Leopold Blaha, Nuremberg, Germany, assignor to General Electric Company, a corporation of New York
Application June 3, 1940, Serial No. 338,631
In Germany July 19, 1939
6 Claims. (Cl. 219—37)

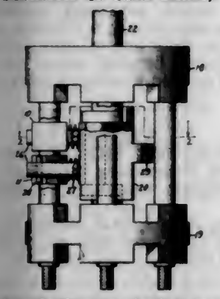


1. An electrically heated hot plate comprising a plate, means for heating said plate, and the upper surface of said plate being provided with a series of radial cavities extending substantially throughout the radial dimension of said plate, said cavities forming on the lower side of said plate a series of concave ribs extending substantially throughout the radial dimension of said plate.

2,255,501
ELECTRIC SWITCH
Louis F. Blume, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Continuation of application Serial No. 151,197, June 30, 1937. This application December 12, 1939, Serial No. 308,786
5 Claims. (Cl. 200—6)

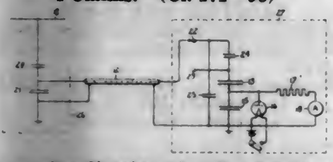
1. An electric switch having a plurality of approximately parallel cylindrical contacts uniformly spaced about a common axis, a shaft rotatable about said axis and having an offset por-

tion, a movable support rotatable about said offset portion of said shaft and having a pin extending outwardly therefrom, a wedge contact loosely mounted on said pin, spring means biasing said wedge contact away from said support, said wedge contact being actuable into engagement with a pair of said cylindrical contacts by a predetermined rotation of said shaft, a bifurcated



member of insulating material secured to said support opposite to said wedge contact, said bifurcated member being adapted to engage one of said cylindrical contacts as said wedge contact is actuated to an inoperative position and whereby said support and said movable contact are shifted by the continued rotation of said shaft to carry said wedge contact to the next operative position.

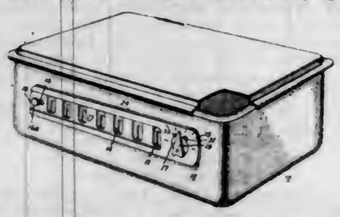
2,255,502
CREST VOLTMETER
Henry W. Bousman, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application December 23, 1940, Serial No. 371,305
4 Claims. (Cl. 171—95)



1. A crest voltmeter circuit comprising high voltage and ground connecting terminals, a pair of condensers connected in series between said terminals, a rectifier valve and a high resistance measuring instrument circuit connected in parallel across the condenser which is connected to the ground terminal, said condenser serving as a storage condenser to supply the instrument circuit and as a part of a potential divided, the condenser which is connected to the high voltage terminal serving as a part of the same potential divider and for segregating the storage condenser from any leakage resistance that may exist between the high voltage and ground terminals.

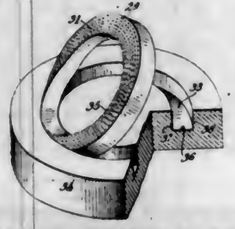
2,255,503
VENTILATED FOOD STORAGE RECEPTACLE
Richard J. Carbary, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application October 26, 1939, Serial No. 301,433
8 Claims. (Cl. 98—51)

1. A ventilating louver comprising a stationary apertured member, a movable apertured member cooperating with said stationary member for providing a variable ventilating opening, said movable member having an opening, a cam member carried by said stationary member and disposed in said opening, an actuating knob operatively associated with said cam member, said cam being so arranged that the turning force applied to said knob is transmitted through said cam to said movable member for moving the latter to vary the area of said ventilating opening,



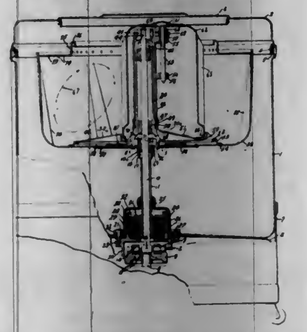
said knob and said opening in said movable member having cooperating means on adjacent faces to provide for unobstructed placement or withdrawal of said movable member over said cam member and said knob in one position of said knob but for maintaining the parts in assembled relationship in substantially all other positions of said knob, and means for guiding said movable member.

2,255,504
METHOD OF MAKING LAMINATED PACKING
Wertus G. Current, Palmyra, N. Y., assignor to The Garlock Packing Company, Palmyra, N. Y., a corporation of New York
Application June 26, 1940, Serial No. 342,411
2 Claims. (Cl. 154—33.1)



1. The method of making a laminated machinery packing ring which consists in producing an annular blank comprising a strip of fibrous fabric, treated with a curable binding agent, and spirally coiled into a roll having a plurality of layers each extending axially from one to another of a pair of spaced planes perpendicular to the axis of the blank; deforming the said blank as a unit, without otherwise disturbing the relative positions of its parts, by bending each part thereof, as a continuous, progressive, single, step, through an angle of 90 degrees about an incremental axis, the respective axes of the various increments being so positioned as to cause all layers of the coiled fabric to be shifted to positions such that their contacting surfaces will lie in parallel planes perpendicular to the axis of the resulting annular structure, whereby the oppositely disposed, lateral, plane surfaces of the original blank will be so shifted as to serve, respectively, as the inner and outer surfaces of the resulting product; and molding and curing the deformed ring to thereby convert it into a unitary packing element of desired form, size and hardness.

2,255,505
WASHING MACHINE
George W. Dunham, Westport, Conn., assignor to General Electric Company, a corporation of New York
Original application November 11, 1937, Serial No. 173,987. Divided and this application August 23, 1939, Serial No. 291,599
5 Claims. (Cl. 68—98)

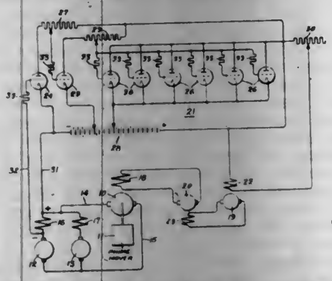


1. In a washing machine, a tub, a rotatable agitator therein, the lower end being adjacent the bottom of the tub, a guard ring surrounding the lower end of the agitator, and means for rotating the guard ring relative to the tub and to the agitator.

2,255,506
EDIBLE CONTAINER FOR ICE CREAM OR THE LIKE
Nello Frediani, Lake Geneva, Wis.
No Drawing. Application June 5, 1939, Serial No. 277,449
4 Claims. (Cl. 99—136)

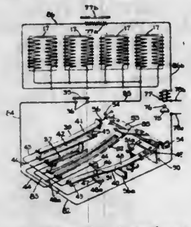
1. The method of making a container for ice cream consisting of mixing with an edible pulverized mass of cereal a moisture-repellent edible fat, then placing the mass in a mold to shape the same into a container form, and subjecting said form to refrigeration.

2,255,507
CONTROL SYSTEM
Johann Grünschneder, Berlin-Charlottenburg, Germany, assignor to General Electric Company, a corporation of New York
Application March 25, 1940, Serial No. 325,841
In Germany February 1, 1939
6 Claims. (Cl. 290—17)



1. A power system including in combination a generator having a field winding, a variable impedance load circuit connected to said generator, means for driving said generator, means for maintaining the power supplied to said load constant for a given speed of said generator by controlling the exciting current supplied to said field winding in accordance with the generator load current including a vacuum tube amplifier having an input voltage-output current characteristic having the shape of the generator current-voltage characteristic required for constant power output of the generator at the given speed, means for supplying a voltage variable with the generator load current to the input circuit of said amplifier, and means connecting the output circuit of said amplifier to control the excitation of said field winding.

2,255,508
ELECTRIC HEATER
Chester I. Hall, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 1, 1937, Serial No. 151,446
13 Claims. (Cl. 219—19)

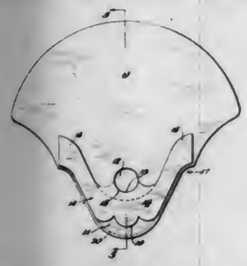


1. A timer for electric toasters and the like having electric heating means comprising means controlling the energization of said heating means including a first switch having a pair of spaced fixed contacts and a contact movable between them, a second switch having a fixed contact and a movable contact, a thermostatic element, means for operating said first switch to close one of its said fixed contacts to energize said heating means and to simultaneously apply heat to said thermostatic element, the thermostatic element controlling both of said switches so that when it is heated it operates the movable contact of said first switch from said one fixed contact to its other fixed contact and the movable contact of said second switch to close its fixed contact so as to cut off the heat from the thermostatic element and to maintain the energization of said heating means, and said thermostatic element when cooling operating said movable contact of said second switch away from its fixed contact to deenergize said heating means.

2,255,509
FAN
Malvin Lichter, New York, N. Y., assignor to Stickless Corporation, New York, N. Y., a corporation of New York
Application April 6, 1939, Serial No. 266,287
1 Claim. (Cl. 230—266)

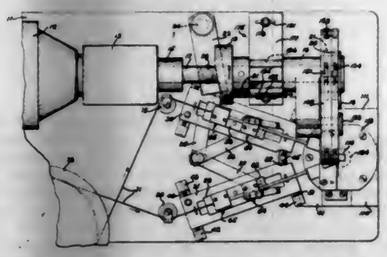
In a hand fan comprising a blade and an integral handle member, said handle member having a thumb hole, a reinforcing member comprising means extending from the handle to the blade and additional means for reinforcing said thumb hole, said additional means being integral with said reinforcing member and consisting of a curvature thereof partially surrounding said thumb hole at the base portion thereof nearest the handle and extending contiguous to

and along the periphery on each lateral side only of the thumb hole, thus providing reinforcement



for the area beyond the base of the thumb hole which is normally subjected to tearing stresses.

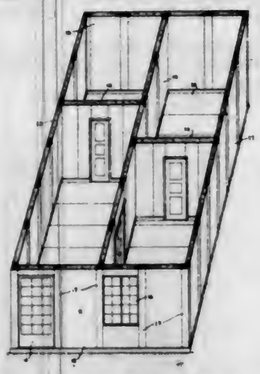
2,255,510
TERMINAL FORMING AND ATTACHING APPARATUS
Frank Martindell, Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application November 16, 1938. Serial No. 240,724
4 Claims. (Cl. 153—2)



3. In an apparatus for forming terminals and attaching them to a support, a reciprocatable block, a feeding and forming mechanism mounted on said block for feeding material to be made into terminals to the support during movement thereof in one direction and for forming the material to a predetermined configuration during movement thereof in the opposite direction, means operable in timed relation to the operation of said feeding and forming mechanism for securing the fed material to the support, and means in said securing means for holding one end of the fed material during the forming of said material by the feeding and forming mechanism.

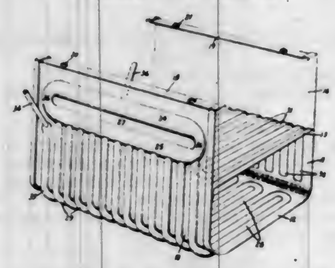
2,255,511
PREFABRICATED BUILDING CONSTRUCTION
John Muller, Brooklyn, N. Y.
Application September 23, 1936, Serial No. 102,138
13 Claims. (Cl. 72—1)

13. A readily assembled and dis-assembled wall for buildings composed of a plurality of wall sections each having a surrounding frame in which is a hardenable plastic material, engageable means carried at each side of alternate sections, movable clamping means carried at each side of alternate sections, said wall sections being mounted side by side and abutting each other with the sections being alternately arranged, the movable clamping means being operable to engage the engageable means to lock the sections together, the clamping means and engageable means being so constructed and arranged that



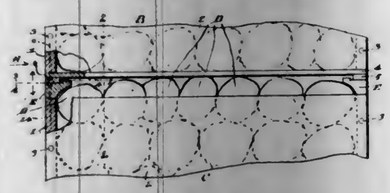
any section of the wall may be removed or replaced without dis-assembling the entire wall.

2,255,512
REFRIGERANT EVAPORATOR
Delbert F. Newman, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 1, 1939, Serial No. 302,376
2 Claims. (Cl. 62—126)



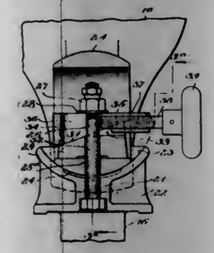
2. An evaporator of the flooded type for refrigerating machines comprising complementary sheet metal portions secured together in face engagement and formed to provide at least one vertical wall and a freezing shelf, said sheet metal portions having indentations therein near the top of said vertical wall forming two parallel horizontally extending substantially identical cylinders and passages connecting said cylinders at their ends to constitute said cylinders a liquid and vapor separating header, said sheet metal portions being securely bonded together between said indentations, said sheet metal portions having a plurality of complementary indentations formed therein to provide refrigerant circulating passages communicating with said header, the indentations in the sheet metal portion forming the bottom surface of said shelf being of rounded cross-section and the complementary indentations formed in the upper surface of said shelf being of substantially trapezoidal cross-section whereby a flat surface is provided along said refrigerant passages in said shelf and said indentations are adapted to resist relatively high pressures without deformation, means for admitting liquid refrigerant to said passages, and means for conducting vaporized refrigerant from the upper one of said cylinders.

2,255,513
FRUIT BOX
Anton W. Pfeffer, Spokane, Wash.
Application February 2, 1940, Serial No. 316,965
1 Claim. (Cl. 217—42)



In combination, an open top shipping box having end walls, sides and a bottom, the upper edges of the end and side walls lying in a common plane, a separate box supporting and retaining cleat fixedly secured on the top edge of each box end, each supporting cleat having a bottom face substantially equal in thickness of the box end to which it is secured, and an outer face flush with the outer face of the box end, the upper portion of said cleat being laterally widened and extending inwardly in overhanging relation to the interior of the box and having an inner face longitudinally concavedly curved from said bottom face towards the upper portion, the upper face of said cleat being cut away longitudinally thereof adjacent its outer edge to provide a medial longitudinal shoulder and a stripped seating surface to receive a bottom nailing cleat of a super-imposed box, said shoulder engaging an edge of the nailing cleat to prevent relative longitudinal or angular shifting movements between the boxes.

2,255,514
SUPPORTING BRACKET
Frank D. Miller, Rochester, N. Y., assignor to Mixing Equipment Co., Inc., Rochester, N, Y., a corporation of New York
Application October 7, 1939, Serial No. 298,417
3 Claims. (Cl. 248—4)

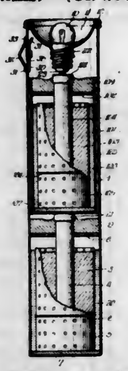


3. The combination of a supporting device, a supported device, cooperating bearing surfaces on said devices affording a substantial range of tilting adjustment of said supported device, a tying element extending through said devices and having shouldered ends on opposite sides thereof, cooperating wedge members located between and bearing against one of said shouldered ends and said supported device, and manually operable means having a thrust engagement with said element for effecting relative movement of said members for clamping said devices together.

2,255,515
TURBINE DRIVE AND FLUID FLYWHEEL AND MEANS FOR TRANSMITTING POWER THERIN
Isaac C. Popper, New York, N. Y., assignor to Automatic Turbine Drive Company, Inc., a corporation of New York
Application February 23, 1939, Serial No. 258,068
13 Claims. (Cl. 252—74)

1. A fluid composition having a specific gravity of 1.1 to 1.35 at 80° F. and a viscosity of 30 to 150 minutes at 88° F., as determined by the Saybolt Standard Universal viscosimeter and comprising a thinning organic liquid and a reaction product of boric acid and a member of the group consisting of the glycols and glycerine, said thinning organic liquid being a member of the group consisting of glycerine, the glycols, diethylene glycol monomethyl ether, diethylene glycol monoethyl ether, diethylene glycol monobutyl ether, diethyl ether of diethylene glycol, the ethanolamines and sorbitol.

2,255,516
ELECTRICAL FLASHLIGHT
Edgar J. McEachron and Edgar D. McEachron, Wausau, Wis., assignors to Marathon Battery Company, Wausau, Wis., a corporation of Wisconsin
Application August 12, 1939. Serial No. 289,782
11 Claims. (Cl. 240—10.61)



1. An electric light comprising a cell having a can serving as one electrode thereof, a carbon pencil, a depolarizing mixture and an electrolyte located in said can, means closing said cell disposed below the top edge of said can and providing a space above said closing means, a second cell in said space, and a reflector and lamp holder mounted in association with the top of said can above said second cell, said second cell having its can in electrical contact with the carbon pencil of said first cell and means insulating the can of said second cell from the can of said first cell.

2,255,517
TALK-BACK COMMUNICATION SYSTEM
Fred W. Nickerson and William C. Moore, Brooklyn, and Herbert Barnett, Jackson Heights, N. Y., assignors to Guided Radio Corporation, New York, N. Y., a corporation of New York
Application October 27, 1939, Serial No. 301,546
16 Claims. (Cl. 179—1)

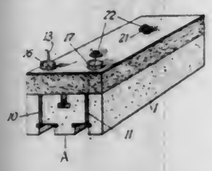
1. An audio-frequency signaling system including a microphone, a loudspeaker, a transducer, a multi-tube vacuum tube amplifier, means for alternately connecting the microphone to the input of the amplifier and the transducer to the output

thereof, or the transducer to the input of the amplifier and the loudspeaker to the output of the amplifier, and control means adjacent the



microphone and the transducer whereby two-way audio-frequency communication may be initiated from either point.

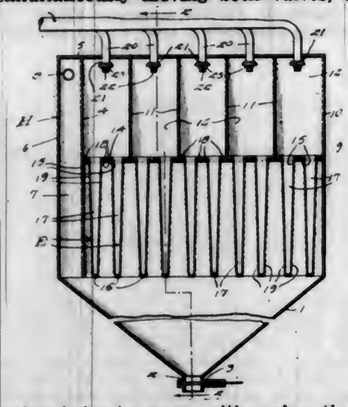
2,255,518
ELECTRIC FURNACE
Frederick H. Norton, Winchester, Mass., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application November 15, 1938, Serial No. 240,430
2 Claims. (Cl. 219—19)



1. An electric resistor heating unit comprising a refractory holder block, a pair of T-shaped slots in the inner face of said block, a U-shaped resistance heating element having sinuous leg portions supported in the sides of said slots and terminating in outwardly extending end portions, a T-shaped slot in the outer face of said holder block, an insulator block of low grade heat insulating material covering the outer face of said holder block, a backing plate, means engaging in said outer face T-shaped slot and detachably connecting said holder block and insulator block to said backing plate, and passages through said holder block, insulator block, and backing plate for the end portions of said heating element.

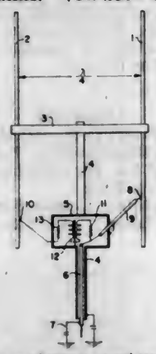
2,255,519
SEPARATING APPARATUS
Cullie C. Preston, Williamson, W. Va.
Application February 9, 1940, Serial No. 318,172
5 Claims. (Cl. 183—57)

1. In combination, a fluid tight housing, means for dividing the interior of the housing into a lower settling chamber, an upper vacuum chamber and a chute for delivering material to the settling chamber, a wall of the vacuum chamber having an opening affording communication with the settling chamber, a screening element for such opening including a filtering fabric, a suction line in communication with the vacuum chamber, a wall of said chamber having a vent in communication with the atmosphere, a valve for closing the suction line, a valve for closing the vent, and a member common to both valves for simultaneously moving both valves, one of



said valves being in open position when the other is in closed position.

2,255,520
DIRECTIONAL ANTENNA SYSTEM
Hermann Schuster, Berlin-Zehlendorf, Germany, assignor to Fernseh G. m. b. H., Berlin-Zehlendorf, Germany
Application May 29, 1940, Serial No. 337,909
In Germany May 13, 1939
4 Claims. (Cl. 250—11)

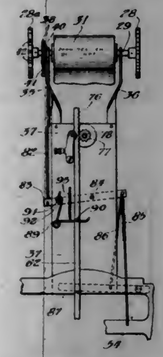


1. A receiving antenna system comprising a first half-wave length rod for intercepting radiated signals of relatively short wave length, a second half-wave length rod substantially parallel to said first rod and spaced substantially one-quarter wave length therefrom for reflecting radiated signals of a relatively short wave length and intercepting radiated signals of a relatively long wave length, a single means for conducting intercepted signals of said relatively short and long wave lengths from said first and second rods, means for separating said conducted signals, and means for separately applying said separated signals to signal-reproducing means.

2,255,521
EDUCATIONAL APPARATUS
Albert J. Watling, Chicago, Ill.
Application January 2, 1940, Serial No. 312,014
8 Claims. (Cl. 35—48)

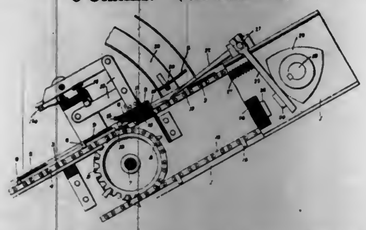
1. In an educational device of the right and

wrong question and answer type, the combination of a casing, two tubes opening through the wall of the casing for the deposit of coins in the tubes, coin distributing means located below said tubes providing two separate channels for carrying coins to two different points, means for directing coins from said deposit tubes to said distributing means comprising two movably tubular members each communicating at its upper



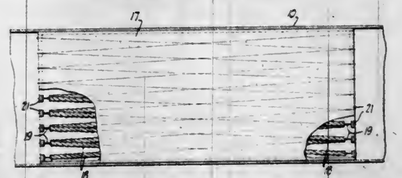
end with one of said deposit tubes for taking a coin therefrom and movable from one operative position to another for delivering the coin alternately into either of the two channels of said distributing means, and control means for moving said tubular members in unison adapted to position one of said tubular members for delivering to one of said channels and at the same time to position the other of said tubular members for delivering to the other channel.

2,255,522
ARTICLE SEGREGATING MACHINE
William H. Wilcox and Owen C. Hagan, Stockton, Calif., assignors to California Cedar Products Company, a corporation of California
Application November 26, 1938, Serial No. 242,600
5 Claims. (Cl. 209—72)



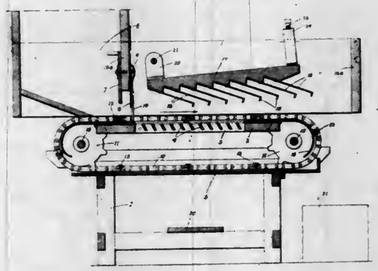
1. A slat segregating device comprising a conveyor unit to advance the slats in single file order, a normally inactive segregating mechanism, a plate adjacent said mechanism parallel to the path of movement of the slats being advanced and positioned to substantially register with the successive slats individually, means mounting the plate for movement toward and from the slats in a plane at right angles thereto, a relatively small element fixed with and projecting from the central area of the plate and adapted to be engaged by the corresponding face of each slat inwardly of its edges as the slat moves into register with the plate whereby to maintain the engaged portion of said slat face spaced from the plate, normally inactive means to actuate the segregating mechanism and means to place said actuating means in operation by contact of another portion of the slat with said plate; said mechanism being positioned to act on said slat.

2,255,523
APPARATUS FOR TREATMENT OF GASES
Clyde L. Hunsicker, San Francisco, Calif.
Application July 31, 1939, Serial No. 287,546
1 Claim. (Cl. 183—4)



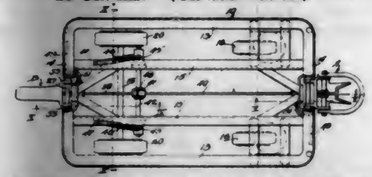
In apparatus for absorbing moisture from gases like air, a plurality of rope-like elements, each of said elements being formed of asbestos fiber carrying a moisture absorbing chemical having the property of deliquescence, a supporting wire engaging about each of said elements, and a supporting frame for said elements to which the ends of said wires are attached, said elements being disposed within the frame whereby passages are formed between the elements for flow of air.

2,255,524
WALNUT HULLER
Frank Janik, Walnut Creek, Calif.
Application December 5, 1939, Serial No. 307,619
1 Claim. (Cl. 83—35)



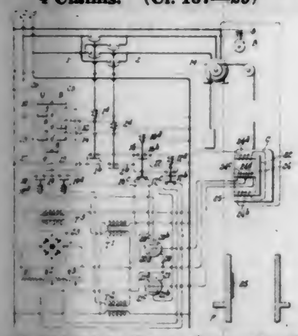
In a nut huller, a platform, a hopper delivering onto the platform at one end, a hulling chamber over the platform beyond and adjoining the hopper, a wall separating the hopper and chamber, there being an opening in said wall for the passage of nuts on the platform from the hopper into the hulling chamber, a depending gate pivoted at its upper edge on said wall for swinging movement into the chamber, the lower edge of said gate extending below the top of said opening but clearing the platform, spring means applied to the gate and yieldably resisting swinging of the same upward into the chamber, means to engage and advance nuts from the hopper into the hulling chamber through said opening, said means including a movable element extending lengthwise of the platform through the opening, there being lateral nut engaging cleats projecting at intervals therefrom, and an arm rigid with and depending from the gate into the path of said cleats.

2,255,525
VEHICLE COUPLING
Lawrence J. Kline, La Grange, and John J. Sichman, Chicago Heights, Ill., assignors to The Mercury Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application January 25, 1939, Serial No. 252,755
15 Claims. (Cl. 280—33.15)



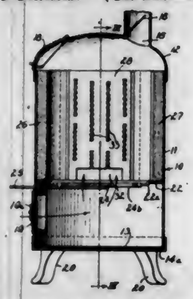
1. In a vehicle coupling, a coupling structure pivotally mounted at one end of the vehicle for bodily vertical swinging movements to coupling and non-coupling positions, said structure in the coupling position projecting beyond the endmost portion of the vehicle and in the non-coupling position being rearwardly disposed of the said endmost portion, latching means operative in latched position to retain said structure in normal coupling position, and means for releasing said latch to enable swinging of the structure out of normal position to its non-coupling position.

2,255,526
ELEVATOR CONTROL SYSTEM
Eivind U. Lassen, Whitefish Bay, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application July 10, 1939, Serial No. 283,542
4 Claims. (Cl. 187—29)



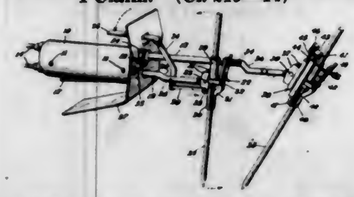
1. An electric elevator system comprising, in combination, a control switch for effecting operation of the elevator car in opposite directions selectively, of leveling means for controlling the operation of said car when said switch is returned to off position and the car is near a landing, said leveling means including two gaseous electron discharge tubes, one for each direction of operation of said car, each of said tubes having a grid, a transformer having relatively movable parts, one part mounted on the car and the other part located at a landing and adjacent to the path of said first part, said transformer having a primary winding connected to an alternating current source and a secondary winding arranged to have induced therein a voltage, the magnitude of which varies in accordance with the position of the car relative to said landing, means for subjecting said grids to said varying voltage and to a biasing potential of given value upon return of said switch to off position to provide for continued operation of the car until the same moves into a predetermined zone at said landing, and means acting upon stopping of said car within said zone for subjecting said grids to said varying voltage and to a second biasing potential which provides for a leveling operation of the car upon failure of the same to stop substantially level with said landing.

2,255,527
HEATING DEVICE
Sam P. Locke, Mexico, Mo.
Application March 18, 1939, Serial No. 262,658
13 Claims. (Cl. 110—29)



6. A heating device comprising a shell defining a combustion chamber, a grate forming the bottom of the combustion chamber, spaced opposed rectangular refractory slabs in said combustion chamber above said grate, said slabs having inner surfaces defining a fuel magazine and outer surfaces defining flues alongside of the magazine, and said slabs providing passageways joining the magazine with the flues.

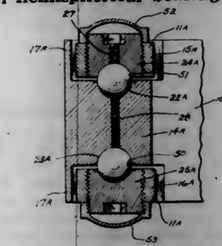
2,255,528
WELDING TORCH
Leonard J. Lucking, Newark, N. J.
Application June 20, 1940, Serial No. 341,454
1 Claim. (Cl. 219—14)



A welding torch comprising a handle, conductors projecting forwardly from said handle, electrode holders on the outer ends of said conductors, one of said holders being pivotally mounted, and means pivoted on one conductor and connected to the holder thereon for swinging the holder with respect to the conductor to which said means is pivoted.

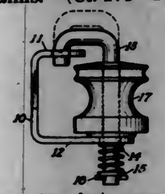
2,255,529
HINGE
Carl A. May, Akron, Ohio, assignor to The First Central Trust Company, trustee, Akron, Ohio, a corporation of Ohio
Application May 21, 1938, Serial No. 209,271
3 Claims. (Cl. 16—129)

1. A hinge of the class described comprising a pair of hinge leaves having three interfitting knuckles, said knuckles being so formed and proportioned that the width of the inner knuckle is substantially less than the distance between outer knuckles and sufficient space is provided between the knuckles and the hinge leaves to provide clearance for limited relative movement of the leaves in the direction of the axis of the knuckles, and limited relative movement of the leaves in the transverse direction of the axis of the knuckles, the inner knuckle having its opposite edges formed with hemispherical bearing seats and a



relatively small lubricating passage between said bearing seats, a pair of smooth surfaced balls disposed in said bearing seats and serving to register the knuckles, adjustment screws fitted in the outer knuckles and having their inner ends formed with hemispherical bearing seats for engagement with said balls, one of said bearing seats in said adjustment screws being formed non-concentric with said adjustment screw, said adjustment screws serving to snugly engage said balls in opposition to said bearing seats, and means for lubricating said balls.

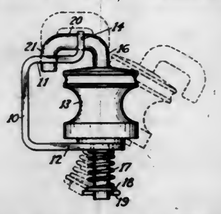
2,255,530
INSULATED BRACKET
Ralph R. Pittman and Carroll H. Walsh, Pine Bluff, Ark.
Application September 20, 1940, Serial No. 357,578
3 Claims. (Cl. 174—161)



1. An insulated bracket comprising a base, an insulator, an insulator-retaining member normally latched at one end to a first portion of said base and means including said insulator for fastening said member at the other end to a second portion of said base, and means responsive to only a single longitudinal movement of said insulator-retaining member in a direction normal with respect to that of said portions for unlatching said one end from said first portion of said base while said other end remains fastened to said second portion of said base, the arrangement being such that said insulator-retaining member may be swung laterally away from said first portion when unlatched.

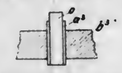
2,255,531
INSULATED BRACKET
Ralph R. Pittman and Carroll H. Walsh, Pine Bluff, Ark.
Application December 19, 1940, Serial No. 370,762
4 Claims. (Cl. 174—161)

1. An insulated bracket comprising a base having arms of unequal length extending outwardly therefrom in spaced substantially parallel relationship, an insulator-retaining member spanning said arms, an insulator positioned between said arms through which said insulator-retaining member normally extends in a direction normal to the outwardly extending arms, means for removably latching said insulator-retaining



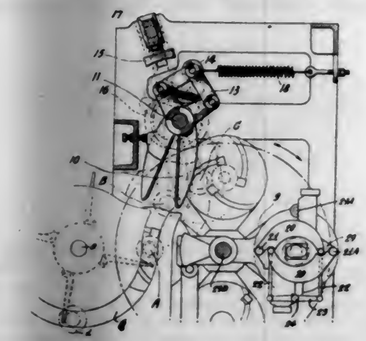
member to the shorter of said arms, means including said insulator for fastening said insulator-retaining member to the longer of said arms, and means including a pair of spaced, outwardly bent portions of the shorter arm between which said insulator-retaining member passes for holding the latter in the normal position when latched.

2,255,532
METHOD OF INTRODUCING GASES INTO LIQUIDS
Werner Rank, Berlin, Germany
Application May 10 1937, Serial No. 141,877
In Germany March 30, 1931
12 Claims. (Cl. 261—121)



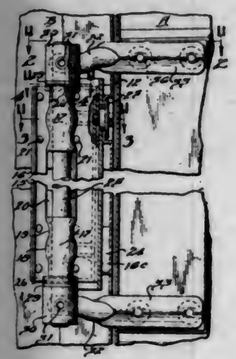
12. In a device for minutely dispersing gases in liquids in which there are sources of gas and liquid media, the combination of a support interposed between said media and having a passage leading from the gas to the liquid source, said passage being straight from end to end, and a row of wires of fine cross section in said passage, the axes of the wires being parallel to one another and extending longitudinally of the passage in the direction of flow of the gas from the gas source to the liquid source, said wires being disposed in contiguous relation to said support, said wires having surfaces so constructed and arranged as to provide ducts therebetween and between said wires and said support of substantial triangular cross section in which one angle lies at the contiguous surfaces of two adjacent wires with the other angles lying between said support and the surfaces of said two adjacent wires, all said angles being acute angles, said ducts being minute divisions of said passage, said ducts extending in the same rectilinear path from end to end of the passage from the gas to the liquid source to provide an unidirectional path of movement for said gases, and a guide member having a wall substantially parallel with the wall of the support and spaced therefrom substantially the diameters of said wires and lying in contact with said wires at diametrically opposite points from the points of contact of the support walls with said wires to provide duplicate triangular passages at opposite sides of each pair of wires, said guide member on the liquid source side of said passage extending rectilinearly appreciably beyond the end of said wires to prevent coalescence of adjacent bubbles emerging from the ducts.

2,255,533
FRUIT PITTING MACHINE
Albert Stanley Ridley, Kew, Victoria, Australia
Application November 25, 1939, Serial No. 306,093
In Australia January 18, 1939
4 Claims. (Cl. 146—28)



1. In a fruit-pitting machine the combination of means for carrying the fruit, with means for dividing the flesh and pit into two approximate halves, a floating pitting member, pit-locating members carried by said floating pitting member and adapted to engage the outer face of a half pit, and pitting means carried by said floating pitting member and thus adapted to be brought by the engagement of said pit-locating members with said half pit into the correct pitting position in relation to said half pit.

2,255,534
CONCEALED HINGE
John H. Roethel, Detroit, Mich., assignor to Marvel Equipment Corporation, Detroit, Mich., a corporation of Michigan
Application January 5, 1939, Serial No. 249,370
10 Claims. (Cl. 16—135)



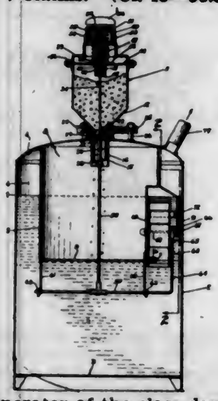
3. In a concealed hinge, a pressed metal fixed hinge member having an upright bearing socket normally open at one end, a hinge pin mounted in said socket and projecting beyond the open end thereof, a rotatable sleeve on said projecting end of the pin, an arm extending laterally from the pin, and a bearing cap interposed between the sleeve and the open end of the bearing socket in nonrotatable relation to the socket.

2,255,535
DISPLAY CARD
Lloyd Sauer, Milwaukee, Wis.
Application March 24, 1941, Serial No. 384,832
7 Claims. (Cl. 40—124.1)



1. A device for displaying magazine covers and advertisements appearing in a magazine comprising, a magazine cover having printed on one face thereof the design of the front of the magazine and on its back cover sheet an advertisement to be displayed to view, and means for detachably holding the front cover sheet back partially over the back cover sheet to display both the design of the magazine front on the front cover sheet and the advertisement on the back cover sheet to view.

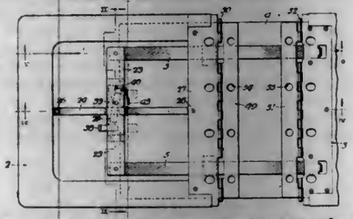
2,255,536
ACETYLENE GENERATOR
Elmer H. Smith, Minneapolis, Minn., assignor to Smith Welding Equipment Corporation, Minneapolis, Minn., a corporation of Minnesota
Application February 27, 1939, Serial No. 258,769
7 Claims. (Cl. 48—53.3)



1. In a generator of the class described, a casing having water therein, a wall member within said casing and spaced from the casing wall and having an open end sealed by the water in the generator, said inner wall member defining a gas generating chamber and cooperating with the wall of the casing to provide a gas storage chamber which surrounds the gas generating chamber, a carbide hopper having a discnarge opening communicating with the gas generating chamber, a valve for controlling the flow of carbide through said opening, a rock shaft within the generator, a rod secured to said shaft and engaged with the valve, a rotor, an escapement connecting the rotor to the rock shaft, and a duct in the lower portion of the gas generating chamber through which the gas must pass from the generating chamber to the storage chamber, the gas flowing through said duct being received in pockets provided in the periphery of the rotor,

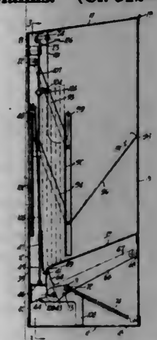
whereby the rotor is rotated to actuate the escapement and rock said shaft and thereby cause the rod to agitate the valve, when the latter is open.

2,255,537
LOOSE-LEAF BINDER
Paul O. Unger, Elmhurst, Ill., assignor to Wilson-Jones Company, Chicago, Ill., a corporation of Massachusetts
Application November 2, 1938, Serial No. 238,325
3 Claims. (Cl. 129—1)



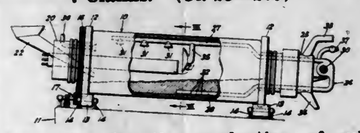
1. In a loose leaf binder, a lock bar, a housing movable along said bar, an angular plate pivotally mounted in said housing and engageable with said bar to lock said bar and housing against relative movement in one direction, a spring urging said plate towards locking position, a lever secured to one end of said plate and operable to move said plate to unlocked position against the action of said spring, and means engageable with the opposite end of said plate to hold said plate in unlocked position.

2,255,538
VENDING MACHINE
Daniel D. Cameron, San Francisco, Calif.
Application April 10, 1939, Serial No. 267,019
13 Claims. (Cl. 312—58)



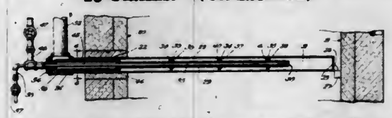
1. A newspaper vending machine comprising, a casing adapted for receipt of a plurality of newspapers in folded form each positioned in a substantially vertical plane with the folded edge thereof downward and with the several newspapers positioned in side-by-side relation from adjacent the rear wall to adjacent the front wall of the casing, a bottom wall for said casing supporting said newspapers and inclined downwardly towards said front wall to cause the newspapers to gravitate towards said front wall, said front wall being formed with a delivery opening adjacent said bottom wall, the forward edge of said bottom wall being spaced from said front wall to pass a newspaper therebetween into said delivery opening, means mounted adjacent the forward edge of said bottom wall and normally retaining the newspapers thereon and being movable forwardly thereof to pass a newspaper to said delivery opening, a manual operating mechanism connected to said means for moving the same to and away from the forward edge of said bottom wall, means connected to and operated by said mechanism for engaging the newspaper adjacent to the front newspaper for holding the former against movement to the delivery opening upon movement of said first means, and means for adjusting the amount of movement of said first means for regulating the size of the space at the forward edge of said bottom wall for passing a newspaper.

2,255,539
APPARATUS FOR TREATMENT OF IRON SULPHATE
Douglas R. Clarkson, Buffalo, N. Y., assignor to Ella Van Gorder, Buffalo, N. Y.
Application January 5, 1939, Serial No. 249,470
7 Claims. (Cl. 23—279)



1. Apparatus for the production of sulphur trioxide from ferrous sulphate and oxygen comprising an elongate cylindrical chamber, bearing means therefor permitting rotation of the chamber upon its longitudinal axis, means for introducing solid material at one end of said chamber and means for delivering gaseous products at the other end thereof, and a fluid conduit having spaced substantially parallel terminal portions, one of said terminal portions being disposed in the upper portion of the chamber interior and in communication therewith adjacent the entry end thereof, the other of said terminal portions being disposed in the lower portion thereof and in communication therewith adjacent the delivery end thereof.

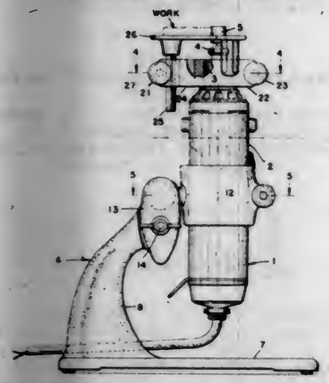
2,255,540
COMBUSTION APPARATUS
Henry A. Dreffein, Chicago, Ill.
Application March 22, 1939, Serial No. 263,447
15 Claims. (Cl. 126—91)



1. Combustion apparatus comprising, in combination, a fuel feed pipe open at one end and adapted to be connected to a gas supply main at the other end, an air feed pipe having an inside diameter greater than the outside diameter of the fuel feed pipe, said air feed pipe surrounding the fuel feed pipe to provide an air passage around the outside of the fuel feed pipe and being open at one end adjacent the open end of the fuel feed pipe, the open end of the air feed pipe being restricted a predetermined amount, said air feed pipe having longitudinally spaced groups of circumferentially spaced openings intermediate the ends thereof, covers having an outwardly projecting wall secured to the air feed pipe adjacent each of said groups of openings, said covers having openings therein angularly disposed to effect circumferential and axial movement of air discharged therethrough, a

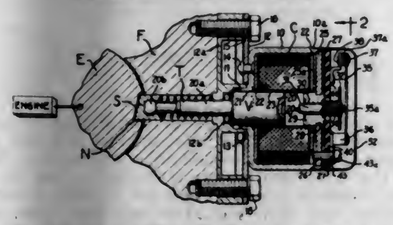
housing covering the open ends of the fuel and air feed pipes and the covers, an exhaust pipe communicating with the housing, and means within the housing for increasing the heat transfer from the exhaust gases to the air injected through the air feed pipe.

2,255,541
TOOL ADAPTER
Albert J. Dremel, Racine, Wis.
Application October 30, 1937. Serial No. 172,047
2 Claims. (Cl. 90—12)



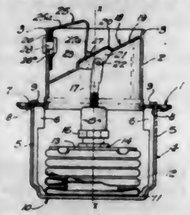
1. The combination with a portable power-driven hand tool including a casing, an operating shaft projecting forwardly from one end of the casing, and a tool chuck on the shaft; of a clamp non-rotatably mounted on the hand tool having a socket, a shank mounted in the socket and adjustable therein longitudinally of the shaft, a combined work table and guide on the shank projecting toward the shaft and having a slot therein for the working tool, and manipulating finger pieces on the inner face of the table.

2,255,542
SOLENOID OPERATED SWITCH
Louis B. Ehrlich, Toledo, Ohio
Application May 4, 1938, Serial No. 205,898
10 Claims. (Cl. 200—103)



1. In a device of the class described, a supporting structure with an aperture, a moving element positioned adjacent the aperture on one side of the supporting structure, a reciprocating member movable with reference to the supporting structure to selectively establish a cooperative relation between the moving element and the supporting structure, a casing removably attached to the side of the supporting structure opposite from the side of the moving element, magnetic coil means positioned in the casing and adapted to create a magnetic field, a pair of armatures of relatively different masses adapted to move under the influence of the magnetic field, connecting means between the relatively larger armature and the reciprocating member extending through the aperture in the supporting structure, whereby the larger armature is enabled to move the reciprocating member to terminate the relation between the moving element and the supporting structure, resilient means to thrust the relatively larger armature and the reciprocating member in the direction of the moving element to reestablish the relation between the supporting structure and the moving element, resilient means to bias the relatively smaller armature to an initiating point, the relatively smaller armature being adapted to move in either direction from the initiating point under the influence of the coil means and the larger armature respectively, and switch means cooperating with the relatively smaller armature at each of the extremes of its movements to be actuated thereby respectively.

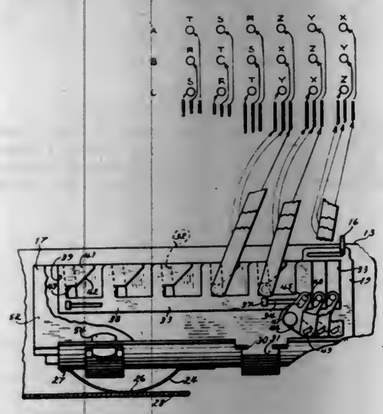
2,255,543
THERMOSTAT
Smith D. Fisher, Cleveland, Ohio, assignor to The Bishop & Babcock Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application October 5, 1939, Serial No. 298,066
7 Claims. (Cl. 236—34)



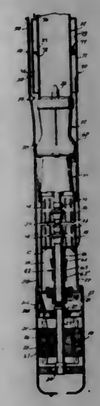
1. In a device of the character described, a tubular neck, a valve controlling said neck, means pivotally mounting said valve on said neck for oscillatory movements about an axis extending transversely thereof into open and closed positions, spring means for urging said valve in closing direction when it is closed, operating connections between said spring means and said valve shiftable relative to the latter toward and from said pivot means responsive to opening and closing of said valve, said connections being disposed at and exerting substantially all of its force on said pivot means in the full open position of said valve and being disposed to one side of said pivot means and exerting its force on said valve for urging the latter in closing direction in the full closed position of said valve, and thermo-responsive means connected to said valve for opening and closing it.

2,255,544
VOTING MACHINE
Alvin N. Gustavson, Jamestown, N. Y., assignor to Automatic Voting Machine Corporation, a corporation of Delaware
Application August 2, 1938. Serial No. 222,641
5 Claims. (Cl. 235—54)

5. In a voting machine having voting indicators representative of an office group, and a strap for each of said indicators movable to an actuated position, an interlock for controlling actuation of said straps, said interlock including means confining certain of said straps to movement in a given path, an adjustable member carried by said interlock, another of said straps being connected with and adapted to adjust said member into holding contact with said certain straps and thereby prevent movement of any of said certain straps.

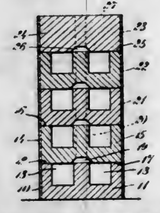


2,255,545
SUBMERSIBLE WELL PUMP LUBRICATING SYSTEM
James M. Hait, Los Angeles, Calif., assignor to Food Machinery Corporation, a corporation of Delaware
Application April 18, 1938, Serial No. 202,603
8 Claims. (Cl. 184—6)



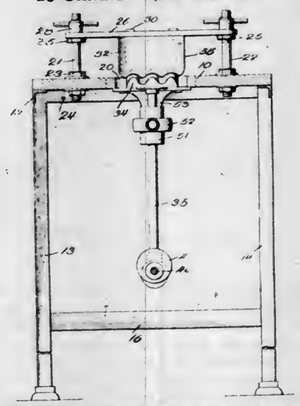
1. In apparatus of the type described, the combination of: a submersible motor enclosed by a housing having a shaft extending through said housing; casing means forming an entrapment chamber adjacent said motor housing surrounding said shaft; means for delivering lubricant to said motor under pressure; a thrust bearing seal surrounding said shaft in the region where the shaft passes through the motor housing, said seal being adapted to permit a limited flow of lubricant from the motor housing into said entrapment chamber; and means for conducting lubricant from said entrapment chamber to a desired point.

2,255,546
MOLD FOR CASTING GRINDING BODIES
Niels Marius Hansen, Ordrup, near Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y., a corporation of New Jersey
Application July 11, 1939, Serial No. 283,892
In Great Britain July 11, 1938
13 Claims. (Cl. 22—130)



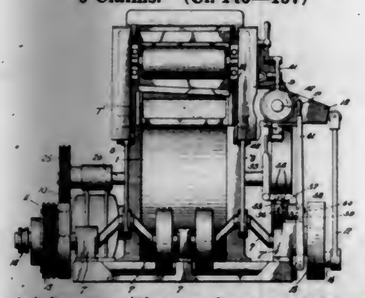
1. A mold for casting grinding bodies, which comprises a pair of cooperating mold sections each containing a body of molding material having a flat surface, the surfaces lying in contact, a feed channel located wholly in the surface of the body of material in one section, a cavity of the shape of the whole grinding body to be formed extending inward from the flat surface of the body of material in the second section and located wholly in the material of the second section, the channel communicating directly with the cavity through an opening of substantially less cross-sectional area than that of the cavity, and a passage in the body in the first section leading to the channel and communicating therewith only at one or more places spaced wholly away from said cavity in a direction longitudinally of the channel.

2,255,547
APPARATUS FOR AND METHOD OF TREATING THE BRIMS OF HATS
John E. Kane and Fred R. Olsen, Danbury, Conn., assignors to The Frank H. Lee Company, Danbury, Conn., a corporation of Connecticut
Application February 24, 1940, Serial No. 320,624
19 Claims. (Cl. 223—7)



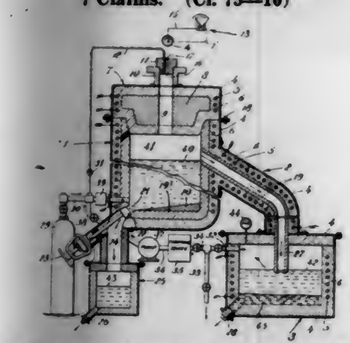
1. A hat brim mellowing machine comprising brim engaging elements having opposed surfaces providing an undulatory brim pass therebetween, said surfaces being each arranged on a curvature corresponding both to the oval of a hat and the flange of the brim thereof, and means for imparting jigging movement to one of said elements.

2,255,548
TOBACCO CUTTING MACHINE
Willy Krause, Radebeul, Germany, assignor to "Universelle" Cigarettenmaschinen-Fabrik J. C. Muller & Co., Dresden, Germany
Application October 4, 1938, Serial No. 233,151
In Germany November 11, 1937
6 Claims. (Cl. 146—157)



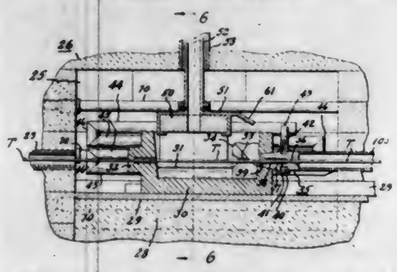
1. A tobacco cutting machine comprising feeding and compressing rollers, a shaft drivingly connected to said rollers, intermittent driving means, a clutch between said driving means and said shaft, continuous driving means, a second clutch between said continuous driving means and said shaft, and selecting means interconnecting said clutches and operable to engage either one of said clutches and hold the other of said clutches disengaged.

2,255,549
METHOD FOR PRODUCING ALUMINUM, BERYLLIUM, CHROMIUM, MAGNESIUM, AND ALLOYS OF THESE METALS
Osias Kruh, Brooklyn, N. Y.
Application October 6, 1939, Serial No. 298,189
In Germany October 6, 1938
7 Claims. (Cl. 75—10)



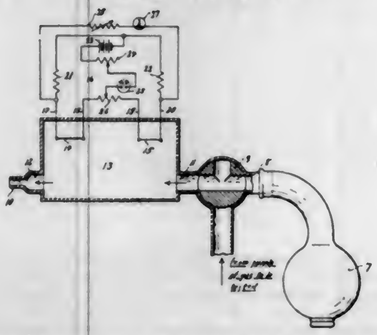
1. In the manufacture of metals selected from the group consisting of aluminum, beryllium, chromium, magnesium and alloys of these metals, the improvement which comprises subjecting the oxide of the metal to reduction in the presence of a carbonaceous reducing agent, maintaining the charge under a predetermined and sufficiently high pressure to retain the reduced metal within the reduction zone until the reaction has gone to substantial completion, introducing an inert gas in amount sufficient to sweep substantially all of the carbon monoxide and other gaseous products of reduction from the system, raising the temperature of the reduced metal to its boiling point while still maintaining the system under pressure, passing the resulting metal vapor in the presence of the inert gas from the reduction to a condensing zone, and condensing the metal vapor in the presence of the inert gas to form a molten bath of the metal.

2,255,550
MANUFACTURE OF TUBING
Charles A. Nichols and Raymond H. Bish, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 9, 1938, Serial No. 239,655
3 Claims. (Cl. 219—12)



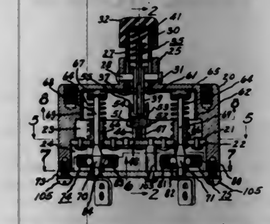
1. The method of welding seamed tubing while the tubing is continuously moving longitudinally which consists in maintaining a bath of molten welding metal at the proper temperature for welding the tubing, in preheating the moving tubing to a temperature below the welding temperature, immediately passing the preheated moving tubing through the bath, the bath being maintained in such quantity as to raise the temperature of the tubing to the welding temperature while the tubing passes through the bath.

2,255,551
SINGLE CELL THERMAL CONDUCTIVITY MEASUREMENTS
Walter J. Willenborg, Weehawken, N. J., assignor to Monocel Inc., a corporation of Delaware
Application July 30, 1938, Serial No. 222,301
16 Claims. (Cl. 73—51)



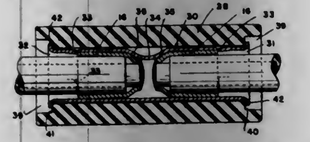
1. An instrument for testing the composition of a gas by thermal conductivity measurements, comprising a cell serving to accommodate a gas to be tested, resistors in said cell which are made of materials chemically neutral to the gases to be tested, heating means for said resistors, and a Wheatstone bridge having legs consisting of said resistors and ballast, and serving for directly comparing said resistors.

2,255,552
SWITCH MECHANISM
Arnold A. Bluemle and William E. Brown, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 21, 1938, Serial No. 197,163
5 Claims. (Cl. 200—4)



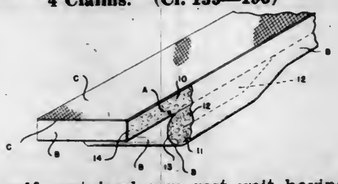
1. An electric switch comprising, in combination; a housing; a nonconducting block supported within the housing and dividing the housing into an upper and a lower switch compartment; conducting elements carried by the block certain of the elements providing a set of fixed switch contacts in the upper compartment and other elements providing a set of upper switch contacts in the lower compartment; a closure for the housing; conducting elements carried by the closure and providing fixed switch contacts exposed in the lower compartment and in alignment with the upper contacts within said compartment; means for electrically connecting a contact of each set of contacts in the lower compartment with a contact in the upper compartment; a swinging contact to alternately engage the contacts in the upper compartment; a movable contact slidably supported within the lower compartment to alternately engage the sets of contacts in the lower compartment; and a common actuator for moving the respective movable contacts into a selected position.

2,255,553
ELECTRICAL CONNECTOR
Russell A. Funk, Detroit, Mich.
Application September 26, 1938, Serial No. 231,789
3 Claims. (Cl. 173—328)



1. A connector for an electrical conductor in the form of an insulated cable having the insulation removed from one end portion, said connector comprising a terminal cap of tubular construction adapted to receive the end of the conductor from which the insulation is removed and having one end reduced and secured in electrical contact with the bare end of the conductor, a tubular metal body for receiving the terminal cap and having a reduced portion adapted to electrically contact the reduced end of the terminal cap, said cap having a portion of greater external diameter than the internal diameter of the body to insure contact therebetween, and an internal shoulder on the body engageable with the end of the cap opposite the reduced end of the latter to secure said cap in the body with the reduced portion of the cap abutting the reduced portion of the body.

2,255,554
UPHOLSTERY STRUCTURE
Jack C. Gordon, Detroit, Mich., assignor to Allen Industries, Inc., Detroit, Mich., a corporation of Delaware
Original application March 6, 1939, Serial No. 260,245. Divided and this application March 18, 1940, Serial No. 324,693
4 Claims. (Cl. 155—198)



1. A self-contained arm rest unit having two preformed superposed elongated layers of unimpregnated fibrous material, the width of said layers being substantially equal, one of said layers having an endwise extension return-bent between said layers at one end thereof and providing a three-ply structure for a portion of their length, an exposed surface of the other layer having a coating of latex and a reinforcing fabric adhering in surface-to-surface relation thereto, the other exposed surfaces of the layers being coated with latex, the latex at the edges of the layers serving to bond such layers together.

2,255,555
UPHOLSTERY STRUCTURE
Jack C. Gordon, Detroit, Mich., assignor to Allen Industries, Inc., Detroit, Mich., a corporation of Delaware
Original application March 6, 1939, Serial No. 260,245. Divided and this application March 18, 1940, Serial No. 324,694
2 Claims. (Cl. 155—179)

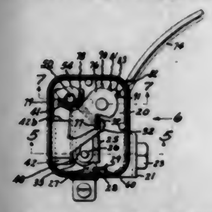


1. An upholstery unit having a top ply of fibrous material, a smaller under ply of fibrous material, and an intermediate ply of tapering cross section, the intermediate ply being located adjacent the front edges of the other plies, the edges of the top ply being notched or gored, the laminated structure being completely enveloped with a skin coating of latex, the portions of the top ply between the notches being turned down over the lower plies, the latex aforesaid bonding said downturned portions to said lower plies.

2,255,556
AIR SWITCH
Edward M. Claytor, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 28, 1938, Serial No. 193,032
6 Claims. (Cl. 200—67)

1. An electric switch comprising a supporting base; a housing supported on the base to provide a compartment between the base and the closed end of the housing; a bearing supported adjacent one corner of the base and projecting upwardly into the compartment; a shaft journaled within the bearing and extending above the bearing; a horizontally disposed driven plate journalled upon the bearing and providing an upper and a lower space within the compart-

ment; a drive plate attached to the shaft and located in the upper space; spring means for transmitting motion between the plates; a switch located in the lower space including a stationary contact and a movable contact carried by the driven plate; a block supporting a bar magnet located within the lower space; an armature carried by the driven plate and movable in the lower space, said armature cooperating with each pole



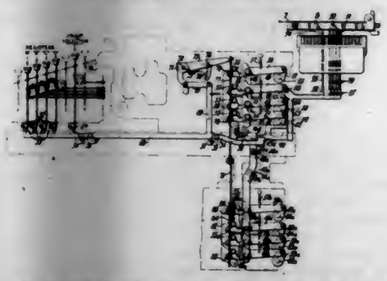
of the magnet; a rod located adjacent another corner of the base in parallel relation to the bearing and shaft, said rod securing the block to the base and cooperating with nut means for securing the housing to the base, and said rod forming a stop for limiting the movement of the plates in one direction; and a return spring for the drive plate, said spring having one end anchored to the rod and the other end to the drive plate.

2,255,557

TOTALIZER SELECTING MECHANISM FOR ACCOUNTING MACHINES

Walter A. Anderson, Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

Application June 29, 1939, Serial No. 281,773
4 Claims. (Cl. 235—60)



1. In a machine of the class described, two groups of totalizers, a traveling carriage, a plurality of trains of elements equal in number to the totalizers in one group and controlled by the carriage for selecting the totalizers in both groups, and another train of elements controlled by the carriage for preventing the selection of totalizers in one or the other groups, or enabling the selection of totalizers in both groups.

2,255,558

GLASS COMPOSITION

Robert H. Dalton, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York

No Drawing. Application April 22, 1939, Serial No. 269,538
3 Claims. (Cl. 106—54)

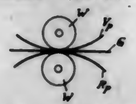
1. A glass consisting of silica, boric oxide, and alumina, the silica being from 91% to 95% and the alumina being from 4% to 8%.

2,255,559

PROCESS FOR PRODUCING ENDLESS SOUND-RECORDING TAPES JOINED TOGETHER IN CROSSED FASHION

Karl Daniel, Cologne-Sulz, Germany

Application April 17, 1939, Serial No. 268,441
In Germany June 19, 1937
2 Claims. (Cl. 274—46)



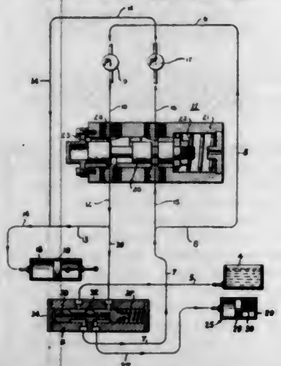
1. A process for producing endless sound-record tapes having a 180 degree turn therein and having sound-record impressions therein extending continuously along the opposite faces in alternate fashion, which comprises preparing an original sound record on a single face of each of two tapes, successive lines of the sound record being formed alternately on said tapes so that odd-numbered grooves appear consecutively on such face of one tape and even-numbered grooves appear consecutively on such face of the other tape, preparing matrices from the original records as open-ended strips, and simultaneously and progressively pressing the matrices into an open-ended blank sound-record tape so that sound record impressions are formed in both faces thereof, and finally joining the ends of the impressed tape in crossed fashion with one of said ends turned through 180 degrees with respect to the other and with the sound record lines of each face at one end forming extensions of the corresponding sound record lines at the opposite face at the other end, so that the two faces of the impressed tape form a continuous surface with sound-record impressions extending therealong.

2,255,560

HYDRAULIC POWER SYSTEM

Karl Wilfrid Fieber, Berlin-Charlottenburg, and Oskar Würthner, Berlin-Wannsee, Germany, assignors to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany, a corporation of Germany

Application February 15, 1938, Serial No. 190,650
In Germany February 20, 1937
5 Claims. (Cl. 60—52)



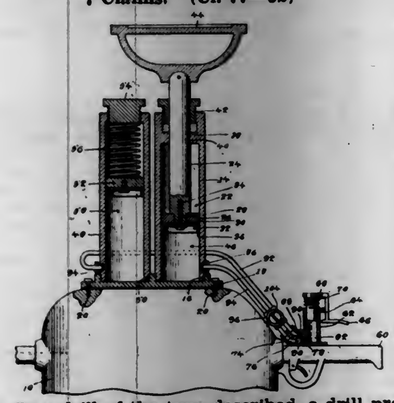
2. In apparatus of the class described, a fluid reservoir, a plurality of pumps fed from said reservoir, conduit means connecting said pumps to act in parallel, a servo-motor fed by said pumps, means in the discharge end of one of said pumps operative to cause a series arrangement of said pumps when the pressure in said discharge reaches a predetermined amount, and means connected in the discharge end of said pumps whereby upon a further increase in pressure in the discharge end of said pumps the latter are disconnected from said fluid reservoir and the pressure input at the inlet of said one pump is increased.

2,255,561

DRILL

Charles H. Gardner, Jr., Pleasant Grove, Calif.

Application January 15, 1940, Serial No. 314,002
In Canada January 17, 1939
7 Claims. (Cl. 77—32)



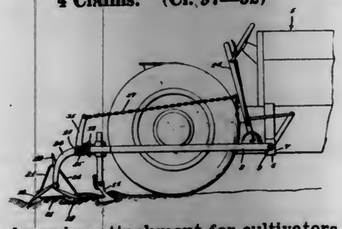
1. In a drill of the type described, a drill pressure means, a pump controlled fluid circuit for operating said drill pressure means to apply pressure to the drill, and a pressure reservoir for delivering fluid to said circuit.

2,255,562

AGRICULTURAL MACHINE

Irvin A. Harvey, Harvey, Iowa

Application September 17, 1940, Serial No. 357,170
4 Claims. (Cl. 97—52)



1. A damming attachment for cultivators comprising a carrier bar, a pair of arms depending from the bar, a shaft freely rotatable on the arms, laterally disposed blades, means for securing certain edge portions of the blades to the shaft and brace means between the blades.

2,255,563

RUBBER BAND SHOOTER

Joel Robert Heminger, Akron, Ohio

Application October 10, 1938, Serial No. 234,241
4 Claims. (Cl. 124—17)

4. A shooting piece for discharging rubber bands, comprising a band-retaining hammer, a trigger cooperating with the hammer, and a resilient member engaged with the trigger in trigger-returning position and comprising a cushioning portion disposed in the path of the hammer as the hammer moves to band-releasing position.



2,255,564

COMPOSITION SUITABLE FOR USE IN THE PRODUCTION OF COATED SHEET MATERIAL

Erich Gebauer-Fuelnegg, deceased, late of Evanston, Ill., by Marie Benedict, administratrix, Colorado Springs, Colo., and Louis K. Eilers, Rochester, N. Y., and Eugene W. Moffett, Milwaukee, Wis., assignors, by mesne assignments, to Marbon Corporation, a corporation of Delaware

No Drawing. Original application April 14, 1933, Serial No. 666,222. Divided and this application July 25, 1941, Serial No. 404,098
8 Claims. (Cl. 260—734)

1. A meltable wax-like composition comprising at least 20% by weight of wax and the balance composed largely of a condensation derivative of rubber obtainable by decomposing with water a product obtained by treating rubber in solution with chlorostannic acid or a halide of an amphoteric metal.

2,255,565

PIPE CLEANSING TOOL

Stellan Eugén Lindhé, Valasen, Sweden

Application January 27, 1939, Serial No. 253,193
In Sweden January 28, 1938
1 Claim. (Cl. 131—246)



A pipe cleansing tool for scraping off carbonaceous substances deposited on the inside walls of the bowls of tobacco pipes, said tool being provided with a scraping member consisting of a hollow metal cylinder with a smooth outer surface and terminated by an annular toothed scraping surface the outer diameter of which is somewhat larger than the diameter of said smooth cylindrical portion.

2,255,566

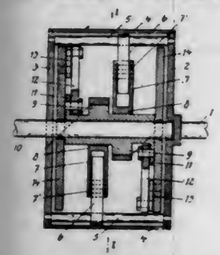
TORQUE TRANSFORMER

Hans Loos, Vienna, Germany, assignor to Albert Gerngross, Zurich, Switzerland

Application November 25, 1939, Serial No. 306,203
In Switzerland December 1, 1938
3 Claims. (Cl. 74—64)

1. A torque transformer comprising a member to be actuated by a driving part and connected with a driven part so that upon starting the movement, the member is restricted in its forward movement owing to the resistance operating upon the driven part, transmitting bodies for generating kinetic energy to overcome the re-

sistance, capable of operating with the driven part and guided radially, a jointed arm hinged



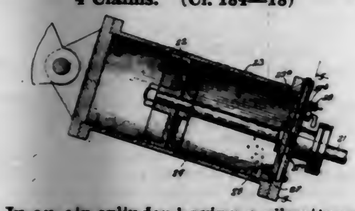
on the one side to the driving pulley and on the other side to the transmitting body, and a jointed connection between the driven and loaded parts.

2,255,567
VARIABLE SPEED POWER TRANSMISSION
Isaac Erwin McElroy, Hollywood, Calif.
Application February 3, 1941, Serial No. 377,221
12 Claims. (Cl. 74—230.17)



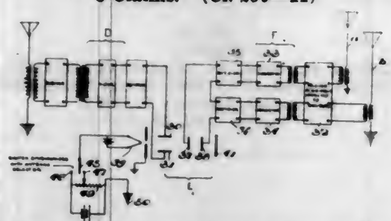
1. A pulley-and-V-belt apparatus for the transmission of power from a motor to a machine over a wide range of speeds and torques, said apparatus comprising a variable diameter driving pulley mounted on the motor, a countershaft disposed between the driving pulley and the machine, a multiple pulley structure rotatably mounted on said countershaft, said pulley structure comprising fixed end sections, and a pair of floating cone sections operatively disposed between the end sections, said floating cone sections each cooperating with the end sections and with each other to define a plurality of belt receiving grooves, one of said grooves receiving a high speed driving belt from the driving pulley and the other grooves carrying belts for delivering power to the machine; and means for adjusting the position of the countershaft.

2,255,568
AIR CYLINDER OILING
John W. Page, Chicago, Ill., assignor to Page Engineering Company, a corporation of Illinois
Application December 19, 1940, Serial No. 370,887
4 Claims. (Cl. 184—18)



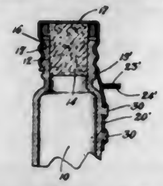
1. In an air cylinder having a vibrating piston therein, a pool of oil in the cylinder, an air inlet below the oil level, an air outlet, and a connection between the inlet and the outlet.

2,255,569
INDICATING MEANS FOR RADIO LANDING SYSTEMS
Melville F. Peters, Beltsville, Md., assignor to Washington Institute of Technology, Inc., Washington, D. C., a corporation of Delaware
Application October 26, 1938, Serial No. 237,131
3 Claims. (Cl. 250—11)



1. In a radio landing system comprising transmitting means establishing radiated fields defining an equi-signal zone which provides guidance means in a horizontal plane and transmitting means for establishing a radiated field defining a line of constant field intensity which provides guidance means in a vertical plane, a plurality of spatially separated means for receiving said first-named radiated fields, means for producing from the received energy due to said fields currents which are respectively proportional in strength to the differences between the strengths of the radiated fields at the respective locations of the receiving means, means for receiving the second-named field and producing from the current so received a current which is proportional in strength to the vertical position of the receiver with respect to the line of constant field intensity, a cathode ray oscillograph having two sets of deflecting plates, means for supplying said first-named produced currents alternately to one set of deflecting plates of the oscillograph and means for supplying the second-named produced current to the second set of deflecting plates of the oscillograph, to thereby alternately produce on the screen of the oscillograph two indications, the positions of which on the screen will be functions of the strength of the second-named produced current and either of the first-named produced currents.

2,255,570
CONTAINER SEAL AND ITS APPLICATION TO CONTAINERS
Earl R. Rehfeld, Chicago, Ill.
Application October 30, 1936, Serial No. 108,326
4 Claims. (Cl. 215—83)



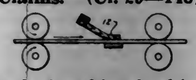
1. A glass bottle seal comprising in combination, a lower perforate glass-sealed metal portion permanently sealed directly with the bottle wall by integral portions of the glass of said wall which project through said perforate metal portion in interlocking relationship therewith and constitute said perforate metal portion an integral part of said wall, said perforate metal portion having a portion upstanding from said glass seal in parallelism with the major axis of the bottle, and a metal cap covering the bottle mouth and having an apron embracing the bottle neck and an integral tearing strip portion depending in said axial parallelism from the lower edge of said apron, the aggregate axial dimensions of said tearing strip portion and said upstanding portion being greater than the axial distance between the lower edge of said apron and said glass seal whereby said tearing strip portion and said upstanding portion are disposed in lapped relationship, and means uniting the lapped ends of said portions into an integral strip the maximum axial dimension of which is not greater than said axial distance, thereby connecting said perforate glass-sealed portion in sealed relationship with said cap.

2,255,571
MEANS FOR ISOLATING MACHINERY
Siegfried Rosenzweig, Long Island City, N. Y.
Application November 16, 1939, Serial No. 304,863
2 Claims. (Cl. 248—22)



1. A vibration isolating structure for operating machinery, comprising, in combination, a subbase including a horizontal surface, retaining walls perpendicular to said surface, isolation means in the form of slabs of resilient nonmetallic material of rectangular cross-section, said slabs having their lower ends resting on the said surface of the sub-base and their outer faces engaging said retaining walls and arranged to form an enclosure which provides an inner lining for the retaining walls, a machinery support fitting into the enclosure formed by said slabs and having continuous bottom and side walls, said side walls of the support engaging the inner faces of the said slabs to confine the same relative to the retaining walls and cause such slabs to absorb horizontal vibrations resulting from torque incident to the operation of machines rotating at high speeds, means carried by said support and resting on the upper ends of the said slabs to impart vertical vibrations thereto and cause the slabs to absorb and prevent transmission of vertical vibrations to the subbase, and said means also mounting the support to suspend the bottom wall of the support above the horizontal surface of the sub-base to provide a trapped air pocket between the support and the base.

2,255,572
METHOD OF MAKING NONFERROUS ARTICLES
Donald L. V. Schwartz, Cleveland, Ohio, assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio, a corporation of Ohio
Application August 10, 1939, Serial No. 289,453
4 Claims. (Cl. 29—148)



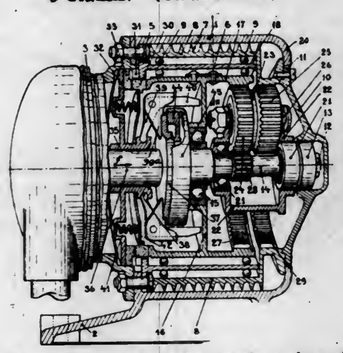
1. In a method of making bushings from nonferrous rolled strip, the step which consists in applying frictional pressure to one surface of said strip to remove the tension strains therein, then forming bushings from said strip and forming the same with such surface on the exterior thereof.

2,255,573
ADJUSTABLE MILK-STRAINER HOLDER
Edward Timian and Joel Timian, Dresden, N. Dak.
Application February 5, 1940, Serial No. 317,420
3 Claims. (Cl. 248—94)



2. A strainer holder for a cream separator having a bowl, comprising a frame formed of a single piece of wire adapted to embrace a strainer and having on one side spaced eyes and on the opposite side spaced bowl engaging portions, and a sectional bridge piece accommodated within the eyes of said frame and having hooked ends adapted to be clamped over the edge of the bowl, and a threaded connection between the sections of said bridge piece.

2,255,574
WINCH FOR USE ON BOARD AIRCRAFT
Charles Raymond Waseige, Rueil, France, assignor to Air Equipment, Boulogne-Billancourt, Seine, France, a company of France
Application July 31, 1937, Serial No. 156,759
In France August 8, 1936
6 Claims. (Cl. 254—187)



1. A winch adapted to be used on board aircraft, comprising a stationary casing including a cylindrical hollow body, a motor secured on one end of said body, a cylindrical sleeve located within said cylindrical body coaxially therewith, secured to the same end as the motor and defining with the body an annular chamber, a rotatable load lifting member including a cylindrical hollow part located within said annular chamber and rotatably centered upon said sleeve, a cylindrical rim located and rotatably centered within said sleeve, a ring gear internally provided on said rim, a shaft from the motor extending axially of said coaxial cylindrical members, a driving wheel keyed on said shaft, planets between said wheel and ring gear, a carrier centered on said shaft for said planets, a ring gear provided on the load lifting member, wheels carried by said planet carrier and in mesh with said latter ring gear, means respectively provided on said casing and rim to cooperate together as a lock adapted to hold said rim against rotation, and control means for said lock, said control means including centrifugal members driven from said motor and

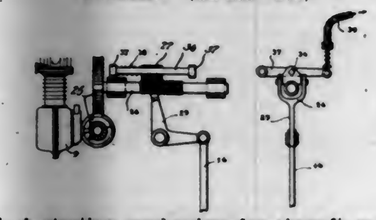
being arranged to control the lock to hold or release the rim according as the motor speed is above or below a predetermined speed.

2,255,575
ENGINE STARTING MECHANISM

Charles Raymond Waseige, Rueil-Malmaison, France, assignor to Société Air Equipment, Billancourt, Seine, France, a company of France

Original application June 29, 1935, Serial No. 29,162. Divided and this application February 9, 1939, Serial No. 255,526. In France July 24, 1934

3 Claims. (Cl. 123—179)



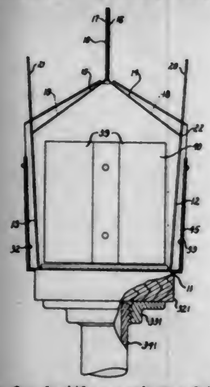
1. A starting mechanism for aircraft engines comprising starting power means, a flywheel, an engine engaging member, means drivably connecting the flywheel to said engine engaging member, means including a clutch to drivably connect the starting power means to the flywheel, and automatic means for disengaging said clutch after the starting power means has operated through a predetermined number of revolutions, said automatic means comprising a member shiftable to clutch disengaging position, and means driven by the rotation of said power means for shifting said shiftable member.

2,255,576
APPLIANCE FOR FILLING BOTTLE CARRIERS

Albert Wesselman, Cincinnati, Ohio

Original application November 5, 1937, Serial No. 172,883. Divided and this application January 31, 1939, Serial No. 253,854

5 Claims. (Cl. 226—129)



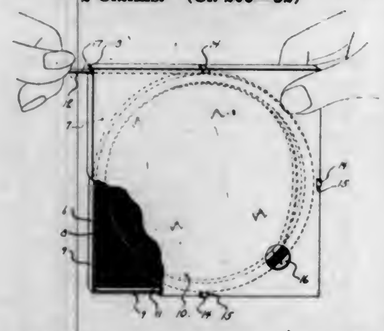
4. A holder for bottle carriers of the type having a bottom, side walls, and a pair of apertured inclined top members extending upwardly from the side walls to form an apex, said holder comprising a base having a carrier entry end, an open top, and a rear terminal end toward which a carrier is advanced when inserted into the holder, sides on the holder base and extending upwardly therefrom to support the carrier side walls during insertion of bottles through the apertures of the top members of the carrier while the carrier rests upon the holder base, and means for engaging said inclined top members of the inserted carrier while disposed within the holder, said engaging means comprising narrow flange means inclined to conform with the inclination of said top members overhanging a small margin of the rear terminal end of the holder base, and directed toward the entry end of the base, said flange means being at an elevation above the base which is sufficiently less than the normal height of the carrier from its bottom to its apex during use of the carrier to maintain the carrier side walls in distended position, with the top members thereby held rigidly inclined for easy reception of bottles through the apertures thereof.

2,255,577
BAND SAW PACKAGE

Robert J. Wilkie, Minneapolis, Minn., assignor to Continental Machines, Incorporated, Minneapolis, Minn., a corporation of Minnesota

Application June 26, 1939, Serial No. 281,211

2 Claims. (Cl. 206—52)



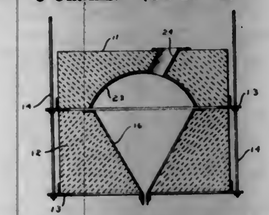
1. A package for shipping and handling flexible highly springy metal saw bands comprising, the combination of: complementary shallow inner and outer box sections telescoped flatwise one within the other, each section including a flat one-piece bottom wall and connecting side walls, the side walls of the outer box section overlapping those of the inner box section, the intermediate portions of at least three of the side walls of the box being flat and substantially equi-spaced from the center of the box; a freely expansible coiled length of saw band in the box with the outer surface of its outer coil frictionally and tangentially engaging the flat portions of said side walls of the inner box section and exerting a substantial outward force thereon, the free end portion of the outer coil extending tangentially therefrom and being projectible through aligned openings in the overlapped side walls of the box remote from the points of engagement of the band with said side walls of the inner box section and in direct line with the tangentially extending free end portion of the band to allow a length of the band to be pulled straight out without necessitating kinks or bends in the band; and common means contiguous to the points of contact between the coil and said side walls of the box for holding the box sections against separation and for reinforcing said side walls at the points at which force is applied thereto by the coil to preclude deformation of said side walls and bursting of the box as a result of the expansive force of the coil.

2,255,578
ELECTRIC FURNACE

Clyde A. Baker, Corning, N. Y., assignor, by mesne assignments, to Owens-Corning Fiberglas Corporation, a corporation of Delaware

Application September 9, 1937, Serial No. 163,139

8 Claims. (Cl. 13—6)



1. In an electric furnace for processing high melting point materials, a hollow melting receptacle having its walls formed of an electrically conducting metal, refractory insulating material surrounding said walls, portions of said walls protruding from said refractory to form a working section of said furnace having working openings therein, means for impressing an electrical potential on said walls and working section in parallel, said working section having a higher electrical conductivity than the adjacent wall sections.

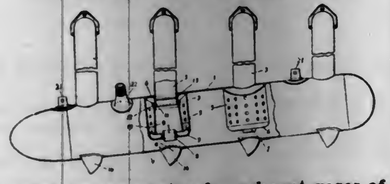
2,255,579
EXHAUST SILENCER

Joseph George Blanchard, London, England, assignor of one-half to Cecil Gordon Vokes, London, England

Application November 14, 1939, Serial No. 304,409

In Great Britain November 14, 1938

11 Claims. (Cl. 56—40)



1. Silencing apparatus for exhaust gases of an internal combustion engine, comprising a common casing, a plurality of silencing units mounted therein, means defining a passage connecting each unit to a different cylinder of the engine, each unit providing an escape path for expansion of a part of the gases into the common casing and a main path for relatively high pressure gas and the common casing having a plurality of outlets for the escape of the relatively high pressure gas therefrom to exert under the influence of air passing said outlets an intraining effect upon that part of the gases expanded into the common casing.

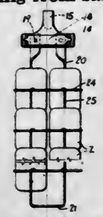
2,255,580
X-RAY FILM HOLDING DEVICE

Joseph Engel, New York, N. Y., assignor to Adele R. Engel, New Rochelle, N. Y.

Application March 18, 1940, Serial No. 324,595

3 Claims. (Cl. 95—100)

1. A photographic film holder for developing purposes, comprising a support hook having a wide integral base, a perforate lug formed on each end of said base at its front, a blank panel engageable at its ends in the perforations of said lugs, said panel having a surface adapted to receive inscriptions capable of being erased, one or more strips depending from said base, and means



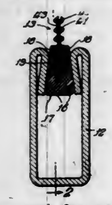
integral with said strips to supportingly engage the bottom and both side edges of a film.

2,255,581
SCREEN FRAME WEDGE RETAINER ASSEMBLY

Walkley B. Ewing, Grand Rapids, Mich., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Application January 26, 1940, Serial No. 315,712

5 Claims. (Cl. 156—14)



2. In an arrangement for retaining the screen material in a frame member under tension, comprising means defining a wedge shaped gripping member including an inwardly extending mouth portion for receiving the end of said screen material extended substantially straight therein, said wedge gripping member having exterior converging side walls, and said end frame member being formed internally with a pair of opposed converging walls defining a jaw member, said wedge gripping member being received within said jaw member and cooperating therewith in response to a pull upon said screen to cause said mouth portion to hold the end portion of said screen.

2,255,582
MEANS FOR CONTROLLING UNDESIRED MOVEMENT OF SHAFTS IN VEHICLES OR THE LIKE

Alfred George Hackett, Harborne, Birmingham, and James Leslie Edwards, Selly Park, Birmingham, England

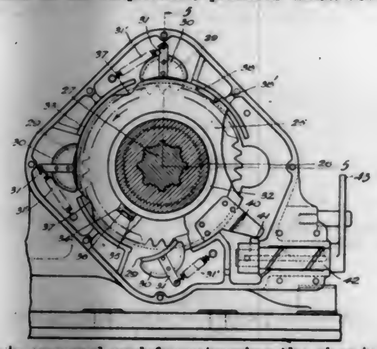
Application July 15, 1939, Serial No. 284,640

In Great Britain July 18, 1938

5 Claims. (Cl. 192—4)

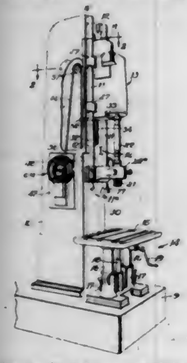
5. Means for ensuring unidirectional rotation of a shaft forming part of the transmission of a motor vehicle having selective gears comprising a disc rotating with the shaft, a stationary member surrounding said disc, part-circular recesses in the inner edge of said member, part-circular detents angularly movable in said recesses, teeth on the periphery of the disc having faces curved to arcs about the effective centres of the detents, said detents in one angular position being adapted to engage with said teeth faces, cams associated with said detents, an angularly movable cam ring co-operating with said cams to control the positions of the detents, and means actuated by the gear-selecting mechanism of the vehicle

for moving the cam ring angularly to hold the detents in an inoperative position when reverse



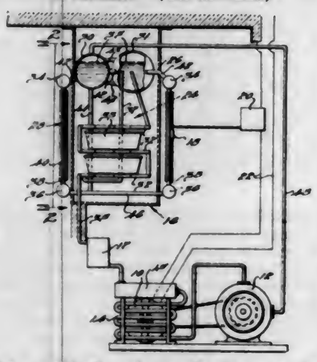
gear is engaged and for returning the ring to its normal position when a forward gear is engaged.

2,255,583
HONING MACHINE
Chester O. Holland, Rockford, Ill., assignor to Barnes Drill Co., Rockford, Ill., a corporation of Illinois
Application April 15, 1939, Serial No. 267,976
20 Claims. (Cl. 51—34)



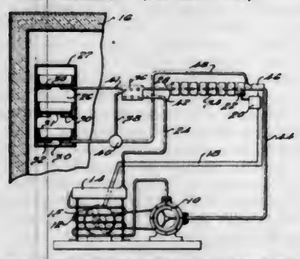
1. A vertical type honing machine having, in combination, a hollow upright column, a work supporting table adjacent the base of said column, means on the face of the column forming a vertical guideway, a reciprocatory head supported on the guideway for movement toward and from the work table, an arm rigid with said head projecting rearwardly therefrom through a vertical slot in the face of the column, a tool spindle journaled on said head for carrying a honing tool to operate on work supported on the table, power driven means for rotating the spindle, means for reciprocating the head to traverse the tool from one end of the work piece to the other comprising a cylinder mounted within the column with its axis disposed substantially parallel to the reciprocating path of the head and with its upper end disposed below the guideway in alinement with the arm projecting from the head, a piston working in said cylinder, and a rod connecting said piston with said arm, control means for said reciprocating means including a rotatable member carried on one side of the column, and means disposed within said column and operatively connected with said arm for rotating said member in timed relation to the reciprocation of the head.

2,255,584
METHOD OF AND APPARATUS FOR HEAT TRANSFER
Earl F. Hubacker, Highland Park, Mich., assignor to Borg-Warner Corporation, a corporation of Illinois
Application December 11, 1937, Serial No. 179,249
9 Claims. (Cl. 62—116)



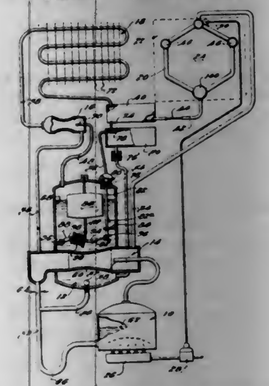
1. The method of producing refrigeration which comprises forming a liquid solution of (SO_2) and (C_4H_{10}), evaporating liquid from said solution to produce refrigeration at one temperature, transferring liquid from said solution to form a body of refrigerant at another point having a boiling point different than that of said solution, evaporating refrigerant from said body of refrigerant to produce refrigeration at a temperature different than that produced by evaporating refrigerant from said solution, condensing the refrigerant vapor and returning the same in liquid form to said solution.

2,255,585
METHOD OF AND APPARATUS FOR HEAT TRANSFER
Earl F. Hubacker, Highland Park, Mich., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application December 27, 1937, Serial No. 181,748
12 Claims. (Cl. 62—116)



7. The method of transferring heat which includes supplying a refrigerant medium made up of a plurality of different refrigerants having different volatility to a heat exchange device, vaporizing at least part of the more volatile of said refrigerants in said heat exchange device, supplying the residual liquid refrigerant from said heat exchange device to another heat exchange device exposed to the same suction pressure as said first mentioned heat exchange device, vaporizing said residual liquid refrigerant in said other heat exchange device and utilizing a part of the residual refrigerant liquid from said first mentioned heat exchange device for cooling said refrigerant medium prior to the entry thereof into said first mentioned heat exchange device.

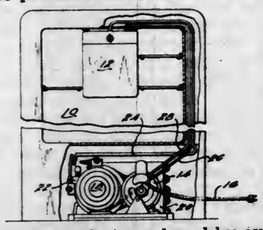
2,255,586
HEAT TRANSFER SYSTEM
Earl F. Hubacker, Highland Park, Mich., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application February 24, 1939, Serial No. 258,209
8 Claims. (Cl. 62—115)



1. Refrigerating apparatus comprising a primary boiler circuit which includes a primary boiler, a primary injector, the nozzle of which is supplied with fluid under pressure from said boiler, a connection for returning fluid from said injector to said boiler and means for heating fluid in said boiler, a secondary boiler circuit which includes a secondary boiler, a secondary injector, the nozzle of which is supplied with fluid under pressure from said secondary boiler, a condenser and primary and secondary receivers and means for periodically effecting the transfer of fluid between said secondary boiler and said secondary receiver, an evaporator circuit which includes a vapor connection to said primary injector and a liquid connection to said primary receiver, the throat of said primary injector being arranged within said secondary boiler for effecting transfer of heat between fluid passing through said throat and fluid in said secondary boiler and a vapor connection between said primary injector and said secondary injector for supplying refrigerant vapor under pressure to said secondary injector.

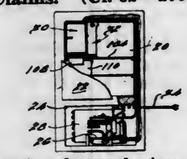
2,255,587
METHOD OF HEAT TRANSFER
Earl F. Hubacker, Highland Park, Mich., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application March 13, 1939, Serial No. 261,526
5 Claims. (Cl. 62—178)

3. The method of producing refrigeration which comprises forming a solution of a plurality of liquid refrigerant components of different volatility, one of which components comprises (SO_2), and another of which components comprises a fluorine derivative of an aliphatic halogen compound, evaporating higher volatile portions of the refrigerant from said solution to produce refrigeration at one temperature, transferring liquid from said solution to form a body of refrigerant at another point having a boiling point different than that of said solution, evaporating lower volatile portions of the refrigerant from said body to produce refrigeration at a tempera-



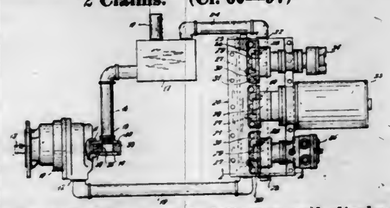
ture different than that produced by evaporating refrigerant from said solution, condensing the refrigerant vapor and returning the same in liquid form to said solution.

2,255,588
METHOD OF HEAT TRANSFER
Earl F. Hubacker, Highland Park, Mich., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application April 27, 1939, Serial No. 270,296
4 Claims. (Cl. 62—178)



4. The method of producing refrigeration which comprises forming a refrigerant medium by mixing together polyhalogen substituted lower aliphatic hydrocarbons in which at least one of the substituted halogen atoms is fluorine, said hydrocarbons which are placed together having different boiling points and retaining said different boiling characteristics, evaporating liquid from said solution to produce refrigeration at one temperature, transferring liquid from said solution to form a body of refrigerant at another point having a boiling point different than that of said solution, evaporating refrigerant from said body of refrigerant to produce refrigeration at a temperature different than that produced by evaporating refrigerant from said solution, condensing the refrigerant vapor and returning the same in liquid form to said solution.

2,255,589
CONSTANT SPEED HYDRAULIC SYSTEM
James P. Johnson, Shaker Heights, Ohio, assignor, by mesne assignments, to Pump Engineering Service Corporation, Cleveland, Ohio, a corporation of Ohio
Application February 20, 1939, Serial No. 257,549
2 Claims. (Cl. 60—97)



1. In a fluid pressure delivery and discharge manifold assembly, an elongated manifold mem-

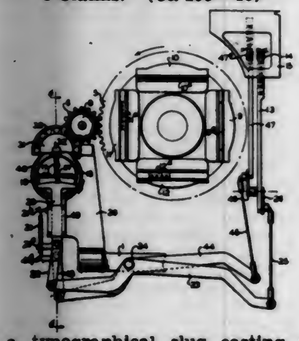
ber having formed therein a pair of longitudinally extending separated passages having threaded terminal portions, a first one of said passages having one end thereof closed by a threaded closure plug and the other end thereof adapted to be connected with the threaded terminal of a conduit leading from a source of fluid under pressure, said other passage having its terminal located adjacent said plug being adapted to receive a complementary terminal portion of a return conduit leading back to said fluid pressure source, and a second threaded plug closing the other end of said last named passage, a plurality of pairs of generally aligned ports formed in the upper surface of said casting, a first port of each of said pair of ports being in communication with said first passage and the remaining port of each pair of ports being in communication with said other passage, a plurality of separate fluid motors each formed with an inlet opening and a discharge opening, and separate adaptor means for mounting said motors on said manifold member effective to place said motor inlets in communication with said first ports and the motor outlets in communication with said remaining ports, and means for readily assembling in attached relation said adaptors, motors, and manifold member.

2,255,590

TYPOGRAPHICAL SLUG CASTING MACHINE

Robert M. O'Connor, Warren, Ohio

Application March 18, 1941, Serial No. 383,895
8 Claims. (Cl. 199—48)



1. In a typographical slug casting machine equipped with a plurality of molds differing as to the em-length and point-size dimensions of their casting slots, the combination of mold selecting means operative upon manual manipulation to bring one or another of such molds into position for use, pre-settable casting slot dimension defining means cooperative with and actuated by said selecting means when manipulated, and means cooperative with said dimension defining means and arranged to register at a common point on the machine remote from the molds markings on said registering means corresponding to the em-length and the point-size dimensions of the casting slot in the selected mold.

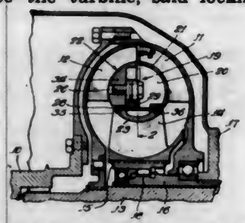
2,255,591

HYDRAULIC TORQUE CONVERTER

John M. Simpson, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Application February 23, 1940, Serial No. 320,291
4 Claims. (Cl. 60—54)

1. In a torque converter of the hydrodynamic type a pump element, a turbine element and a stator element, said elements defining a chamber for the circulation of fluid, and means for locking the stator to the turbine, said locking means



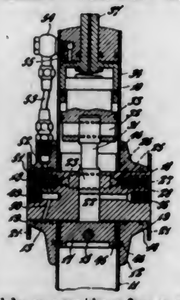
comprising a friction surface on the stator and centrifugally controlled means on the turbine adapted to grip the friction surface above a predetermined speed of rotation of the turbine.

2,255,592

MECHANISM FOR PRODUCING ANGULAR MOVEMENT

John Keith Simpson, London, England, assignor to Automotive Products Company Limited, London, England

Application May 9, 1940, Serial No. 334,290
In Great Britain May 6, 1939
4 Claims. (Cl. 244—102)



1. A retractable mounting for a wheel or equivalent member on a vehicle comprising a tubular strut forming a cylinder, a pivot shaft in the vehicle passing through the tubular strut and having a crank portion, and a piston in the said tubular strut, and means connecting the piston with the crank portion of the pivot shaft, and means to move the piston axially within the tubular strut to move the strut bodily about its pivot and retract the strut.

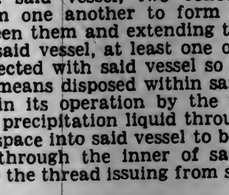
2,255,593

TUBE COUPLING

Julius Berger, Berlin-Wilhelmsruh, Rudolf Kaiser, Hohenneuendorf, near Berlin, and Willy Zurmühlen, Wandlitz, near Berlin, Germany, assignors to Michigan Patents Corporation, Jackson, Mich.

Application January 18, 1940, Serial No. 314,399
In Germany June 16, 1939
5 Claims. (Cl. 284—18)

1. A pipe coupling comprising in combination two coupling members, a valve closure member in each of said two coupling members, a sleeve in each of said coupling members adapted to be displaced longitudinally therein and provided with a valve seat for said valve closure member, a biasing spring mounted in each of said coupling parts and urging said slidable sleeve outwards, said valve closure member being pivotally connected with said sleeve as to be pressed against its seat to close each coupling member when said



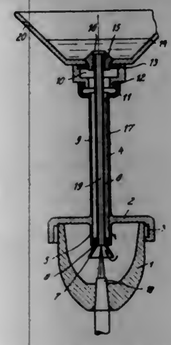
sleeve moves outwards, while moving into its inoperative position when said sleeve is pressed inwards by pressing said coupling members against each other.

2,255,594

APPARATUS FOR THE TWIST-SPINNING OF ARTIFICIAL THREADS

Karl Berndt, Schma, Germany

Application August 16, 1938, Serial No. 225,080
In Germany August 16, 1937
7 Claims. (Cl. 18—8)



1. Arrangement for spinning artificial threads in a precipitation liquid, including a rotary vessel filled with precipitation liquid and comprising a removable cover, a rotary spinning nozzle disposed in said vessel, two concentric pipes spaced from one another to form an annular space between them and extending through said cover into said vessel, at least one of said pipes being connected with said vessel so as to rotate therewith, means disposed within said pipes and controlled in its operation by the vessel speed for forcing precipitation liquid through said annular pipe space into said vessel to be discharged therefrom through the inner of said pipes together with the thread issuing from said nozzle.

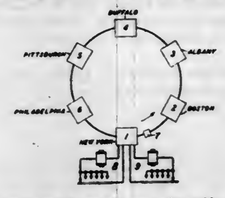
2,255,595

SIGNALING SYSTEM

Allen R. Bonorden, Plainfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application February 25, 1939, Serial No. 258,547
18 Claims. (Cl. 178—69)

1. In a signaling system, a station circuit having incoming and outgoing terminals normally connected for through transmission, means connected to said incoming terminal for differentiating between normal signals and recurring stray signals, and means responsive to actuation of said means by stray signals for suppressing said stray signals only after said stray signals have



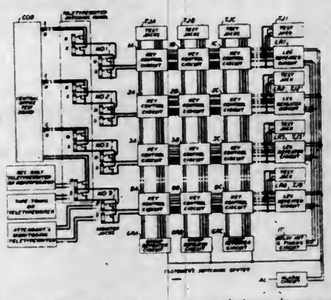
passed through said station circuit a predetermined number of times.

2,255,596

TELETYPEWRITER SWITCHING SYSTEM

Allen R. Bonorden, Plainfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application November 29, 1939, Serial No. 306,648
11 Claims. (Cl. 178—2)



1. A signaling system comprising two or more transmission circuits each having two conductors, a plurality of switching means connected to each of said transmission circuits, each of said means having two operable elements, circuit means responsive to the operation, in either of two directions, of one of said elements of one of said switching means and other circuit means responsive to the operation in one direction only of the other element of one or more of the other of said switching means for interconnecting for signaling purposes one conductor of one of said transmission circuits and the other conductor of one or more of the other of said transmission circuits.

2,255,597

STABILIZATION OF ORGANIC SUBSTANCES

Frederick B. Downing and Charles J. Pedersen, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application November 10, 1939, Serial No. 303,812
30 Claims. (Cl. 44—9)

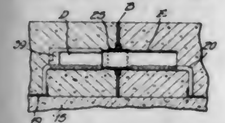
1. The method of inhibiting the catalytic deterioration of an organic substance normally caused by copper and its compounds in the presence of oxygen which comprises incorporating in the organic substance a small proportion of a di-(o-hydroxy aromatic ketone) aliphatic polyamine free of strongly acidic groups obtained by condensing 1 mol of an aliphatic polyamine in which two amino groups are primary amino groups directly attached to aliphatic carbon atoms with 2 mols of an o-hydroxy substituted aromatic ketone, so that one mol of ketone reacts for each primary amino group of the amine.

2,255,598
CLOSING DEVICE FOR RECEPTACLES
Alfred Edouard Lamarthe, Paris, France, assignor to Fa-Clic Fastener Corporation, New York, N. Y.
Application September 7, 1939, Serial No. 293,844
In France September 28, 1938
2 Claims. (Cl. 150—10)



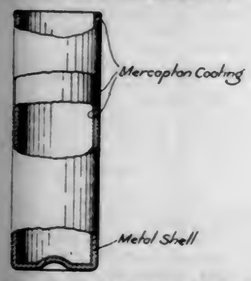
1. In a closing device for flexible receptacles, a frame member laterally rigid, an extensible frame member formed of telescopic sections, and articulation means coupling the proximate ends of the frame members, said extensible member having a laterally rigid section and a laterally flexible section telescopic in the rigid section, said laterally flexible section having a spring stop, and said laterally rigid section having housing means for said stop arranged to normally prevent separation of the telescopic sections when the device is opened.

2,255,599
EXPANSION JOINT FOR ROADWAYS
Russell C. Olmsted, Norwood, N. J.
Application March 17, 1938, Serial No. 196,351
4 Claims. (Cl. 94—18)



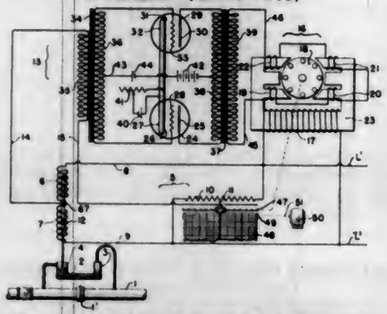
2. A housing for enclosing the end of a dowel bar in the building of roadways, said housing comprising in combination, a trackway for supporting a dowel bar, a cap-plate for a dowel bar supported upon the trackway, shields extending between the trackway and the cap-plate, and means for retaining said trackway and said cap-plate in operative position upon a dowel bar supported upon the trackway.

2,255,600
BLASTING INITIATOR
Paul Lawrence Salzberg, Carrcroft, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application August 3, 1938, Serial No. 222,835
15 Claims. (Cl. 102—9)



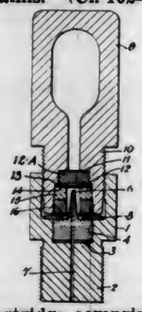
1. A blasting initiator comprising a mercaptan-treated metal shell, and in said shell an explosive charge incompatible with said metal.

2,255,601
MEASURING APPARATUS
Henry M. Schmitt, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 29, 1937, Serial No. 150,914
8 Claims. (Cl. 73—205)



1. In combination, a movable controlling object, a movable controlled object, means controlled by the relative position of said objects for creating variations in electrical potential, an electron tube amplifier controlled by the variations in potential produced by said first mentioned means, and an alternating current motor having shading coils supplied with energy produced by said amplifier, for operating said controlled object.

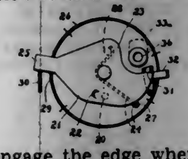
2,255,602
SAFETY BLASTING DEVICE AND METHOD
James Taylor, Saltcoats, Scotland, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
Application December 13, 1938, Serial No. 245,532
In Great Britain December 13, 1937
24 Claims. (Cl. 102—6)



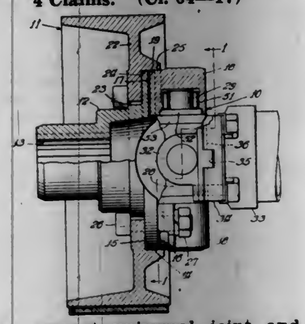
1. A blasting cartridge comprising a pressure-resistant container, pressure-rupturable venting means for said container, a charge decomposable in acid media disposed within said container comprising a solid mixture containing alkali metal nitrite and an ammonium salt, means whereby a quantity of acidic medium can be introduced into said container to contact with a portion of said charge, and means for ensuring that said charged container is sealed when decomposition of the charge takes place.

2,255,603
BURGLAR ALARM
Alfred O. Vinz, Monterey Park, Calif.
Application April 26, 1939, Serial No. 270,121
1 Claim. (Cl. 116—85)

In a burglar alarm, an alarm mechanism to sound upon unauthorized opening of a closure to which the alarm is attached, a plate in operative relation to the mechanism pivotally mounted in the alarm with one end protruding from the alarm in form of a trigger and the opposite end being provided with a control edge within the contours of the alarm, a key-controlled device in operative relation to said control edge and tiltable so as to engage the edge whereby the plate may be held in inoperative position, a latch for setting the plate in such inoperative position and disposed so that the latch may be moved away from such latching position by operation of the key-controlled device, and means in operative contact with the plate for holding the alarm mechanism in inoperative position while the plate is in inoperative position.



2,255,604
UNIVERSAL JOINT AND BRAKE DRUM ASSEMBLY
Archibald A. Warner, Rockford, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application May 12, 1939, Serial No. 273,213
4 Claims. (Cl. 64—17)



3. In a compact universal joint and brake drum assembly, a universal joint yoke including radially oppositely extending yoke arms, separate bearing cups adapted to be mounted on said yoke arms for receiving oppositely extending spider trunnions, said brake drum being provided with a radially inwardly extending centrally orificed web embracingly received about said joint yoke, said brake drum being particularly characterized by the formation thereon of means cooperating with complementary means formed on said joint yoke for centering said drum with reference to the axis of said yoke and for limiting the radial outward position of said bearing cups, said last named positions being equi-distances from the axis of said yoke.

2,255,605
MANUFACTURE OF 1-CHLORO, 3-BROMO PROPANE
Robert Erwin Windecker and Anton Schormuller, Painesville, Ohio
No Drawing. Application July 25, 1939.
Serial No. 286,409
10 Claims. (Cl. 260—658)

1. A process for converting allyl chloride to 1-chloro, 3-bromo propane comprising dissolving water in allyl chloride which has been aged not less than a week and treating the resulting substance with hydrogen bromide in the presence of a catalyst selected from the group consisting of the chlorides, bromides and iodides of the heavy metals of the fifth group of the periodic series.

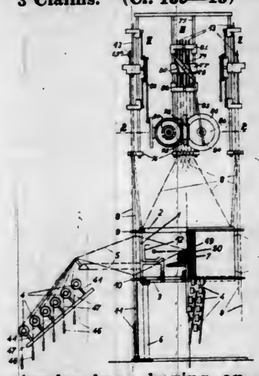
2,255,606
MINERAL OIL COMPOSITION AND METHOD OF MAKING THE SAME
László Aüer, Corona, N. Y., assignor, by mesne assignments, to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application February 12, 1937, Serial No. 125,516. In Hungary May 19, 1926
11 Claims. (Cl. 252—53)

1. A lubricating composition consisting of a refined mineral oil thickened by the incorporation therein of an organic isocolloid modified by an organic ester of an inorganic acid.

2,255,607
PRODUCTION OF SYNTHETIC HYDRATED IRON OXIDES
Joseph W. Ayers, Easton, Pa., and George Plews, Berkeley, Calif., assignors to C. K. Williams & Co., Easton, Pa., a corporation of Pennsylvania
No Drawing. Application July 22, 1937, Serial No. 155,008
10 Claims. (Cl. 23—200)

7. In the production of iron oxide by introducing oxygen into a heated solution of ferrous sulfate circulated in contact with metallic iron, the improvement which comprises, as a step preliminary to such treatment, preparing the ferrous sulfate solution by adding a material consisting substantially wholly of an oxide of a metal of the magnesium family selected from the group consisting of magnesium and zinc, and slowly oxidizing the ferrous content to produce yellow ferric oxide in the sulfate solution.

2,255,608
CIRCULAR LOOM
Imre Baumgarten, Budapest, Hungary, assignor, by direct and mesne assignments, to Arnold Teitsch, Budapest, Hungary
Application September 19, 1939, Serial No. 295,570
In Germany July 20, 1938
3 Claims. (Cl. 139—13)



1. In a circular loom having an electrically driven rotating shuttle and at least one Jacquard loom controlled by the latter for making hats and hat-shaped structures, the combination of

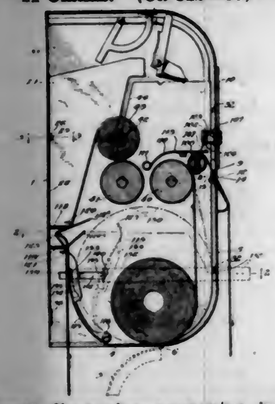
a pressure applicator comprising a rotatable pressing disc arranged to act within the shed in order to press the weft thread which has been passed in, against the finished fabric and produce uniform dense stumps, rotatably mounted arms allowing said pressing disc to be moved radially in relation to the workpiece and also in the upward direction, and coil springs capable of adjustment and advance for causing said disc to be subjected to a variable compressing pressure at the various progressive stages of manufacturing the hats.

2,255,609

TOWEL DISPENSING CABINET

Rudolph G. Birr, Lombard, and Albert C. Grunwald, River Forest, Ill., assignors to Steiner Sales Company, Salt Lake City, Utah, a corporation of Utah

Application August 17, 1938, Serial No. 225,398
11 Claims. (Cl. 312—38)



3. A towel dispensing apparatus including a cabinet having therein a soiled towel takeup roll, said cabinet having an opening upwardly through which the toweling can be introduced to be connected to said take-up roll, a partitioning element which is movable toward and away from a wall of the cabinet to provide sufficient space to allow hand introduction of the toweling for connection with the takeup roll, a door on the cabinet, and means for moving said partitioning element toward and away from the cabinet wall respectively to prevent and permit introduction of the hand, said means including two translatable bars and means connecting each bar to said element, said bars being engageable to be moved by said door when closing, to move said partitioning element to a position to prevent introduction of the hand, the closed door thereafter acting to hold the bars to secure the element in that position.

2,255,610

PROCESS OF ALKYLATION WITH CHLOROSULPHONIC ACID

William E. Bradley, Los Angeles, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California

No Drawing. Application May 31, 1938, Serial No. 211,045
8 Claims. (Cl. 196—10)

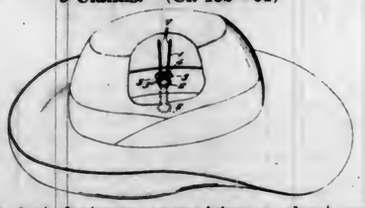
1. A process for the production of branched chain hydrocarbons boiling within the gasoline boiling point range and having high anti-detonating characteristics, which comprises reacting isoparaffins having less than seven carbon atoms per molecule with normally gaseous olefins in the presence of chlorosulphonic acid between the temperatures of 0° F. and the solidification temperature of chlorosulphonic acid.

2,255,611

HAT FASTENER

Joseph H. Brown, Brooklyn, N. Y.

Application June 18, 1941, Serial No. 398,687
5 Claims. (Cl. 132—61)



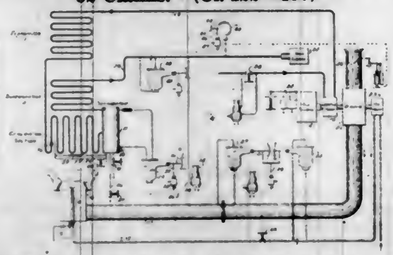
1. A hat fastener comprising a sheet metal plate having a projection extending from each end thereof, said projections being of reduced width relative to the width of the plate, said projections being adapted to be thrust through a part of the hat and being bendable to clasp said hat part, loops integral with the plate and extending from the face thereof, and a hat pin guided in said loops, said plate with its projections at its opposite ends and with the loop being all in one piece, substantially as described.

2,255,612

CONTROL SYSTEM

Paul S. Dickey, Cleveland, Ohio, assignor to Bailey Meter Company, a corporation of Delaware

Application July 14, 1936, Serial No. 90,615
32 Claims. (Cl. 122—407)



1. The method of operating a vapor generator of the forced flow type having a separator between the generating and superheating portions of the flow path, which includes recirculating a material percentage of the liquid leaving the generating section, and varying the percentage recirculated responsive to load on the generator.

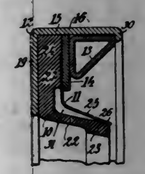
2,255,613

MACHINERY PACKING

Edward W. Fisher, Jr., and William H. Gudinas, Palmyra, N. Y., assignors to The Garlock Packing Company, Palmyra, N. Y., a corporation of New York

Application June 6, 1940, Serial No. 339,123
3 Claims. (Cl. 288—3)

1. A device adapted to seal the space between a shaft and its housing; said device comprising a metal shell to be mounted fluid-tight in the housing and having an inwardly disposed marginal flange; a flexible sealing element having a sleeve to extend along a part of the shaft to be surrounded by the shell and an outwardly disposed flange backed against the flange of the shell; a spring having a conical portion surrounding and extending along a part of the sleeve of the sealing element and an outwardly directed flange by which it may be held in an assembled relation with other parts of the device; and means comprising an inturned retaining lip on the margin of the shell opposite that which backs the flange of the sealing element by which portions of all parts of the device assembled with



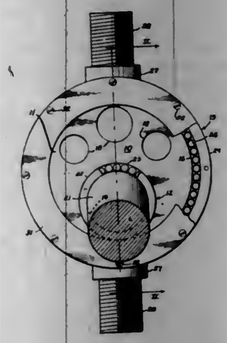
the shell may be clamped between said retaining lip and said flange, said means including a pair of spacing rings held in a state of compression between said retaining lip and other of the said parts, one of said rings being a stocky band of which the radial and axial cross-sectional dimensions do not materially differ, and the other being a relatively thin, perforated, surface extending, metal disk, which may be of materially greater radial dimensions than the stocky band, the ratio of the radial depths of the band and disk being dependent upon the radial depth of the sealing device of which they are parts.

2,255,614

ECCENTRIC SATELLITE CRANK

Meyer Fox, Chicago, Ill.

Application April 17, 1940, Serial No. 330,103
3 Claims. (Cl. 74—50)



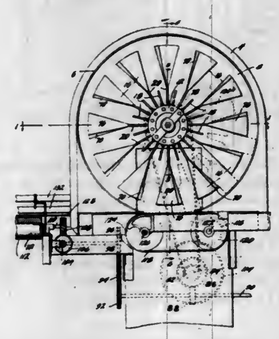
1. A satellite crank construction comprising a crosshead having a cylindrical bore therethrough with a reduced end portion providing a shoulder, a disk having a cylindrical portion sized for extending into the reduced end portion of the bore and a larger cylindrical portion sized for fitting into the larger portion of the bore and providing a shoulder on the disk, roller elements interposed between the larger portion of the bore and smaller portion of the disk spacing said shoulders apart to align the disk in the crosshead, and a detachable retainer on the crosshead thrusting against the larger portion of the disk to hold the disk in the crosshead whereby the parts are readily assembled.

2,255,615

APPARATUS FOR CLEANING RECEPTACLES PNEUMATICALLY

Edward M. Frankel, Cedarhurst, Md., assignor to Cedarhurst Machinery Corporation, Baltimore, Md., a corporation of Maryland

Application March 22, 1939, Serial No. 263,532
5 Claims. (Cl. 15—14)



1. In an apparatus for cleaning receptacles, facing structure having a suction port connected for communication with an exhaust chamber and a plurality of pressure ports connected for communication with a compressed air chamber, a conveyor disposed to move relative to said suction port and said pressure port, a seat upon said conveyor for a receptacle adapted to register with an opening in the receptacle, a conduit on said conveyor having one terminal adapted to register with said suction port during part of the movement of said conveyor and the other terminal of said conduit disposed at said seat, and another conduit on said conveyor having one terminal adapted to register successively with said pressure ports during said part of the movement of said conveyor and the other terminal of said latter conduit being in communication with a nozzle and disposed to inject air into a receptacle upon said seat when suction is applied to the interior of said receptacle through said first-named conduit.

2,255,616

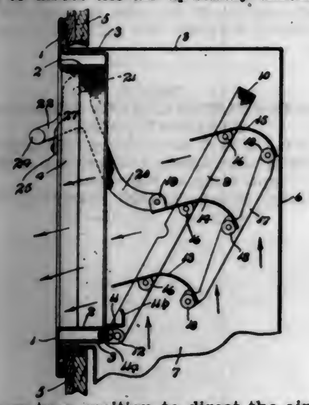
DIRECTIONAL GRILLE

Loyd E. Heasley, Harold S. Covell, and Nelson E. Cole, Holland, Mich., assignors to Hart & Cooley Manufacturing Company, Holland, Mich., a corporation of Delaware

Application August 1, 1938, Serial No. 222,436
11 Claims. (Cl. 98—106)

10. A structure of the class described comprising, a register frame having an opening, a mounting member movably mounted at one side of said frame, a plurality of air directing vanes pivotally mounted in spaced apart relation on said mounting member, means for maintaining said vanes substantially parallel relative to each other and a single operating means, acting to both move the mounting member toward or from said opening and to swing the vanes about their

pivots when moved away from said opening to a position to direct the air upwardly through said



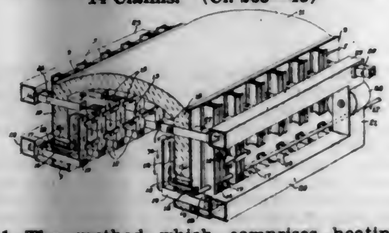
opening or to a position to direct the air downwardly through said opening.

2,255,617

ANNEALING APPARATUS AND METHOD

Clarence B. Hoak, Steubenville, Ohio

Application July 20, 1940, Serial No. 346,559
14 Claims. (Cl. 263—43)



1. The method which comprises heating a chamber by radiation from heated elements that are laterally spaced along each side of the chamber, and simultaneously creating a downflow of heated gases along the radiating surface of each element that is exposed within the chamber along paths each substantially equal in width to the width of the adjacent radiating surface.

10. Annealing apparatus comprising a chamber, passageways located adjacent to the inner walls of the chamber and arranged in laterally-spaced relation, the passageways each being open to the chamber at one end, means for introducing heating gases into the other ends of the passageways, the passageways having front walls exposed to the interior area of the chamber and serving as heat-radiating elements, means for effecting flow of gases from the open end of each passageway and along its foremost exposed surface, toward the other end of said surface, in a path between the work-receiving area and the said surface, and means for returning the said flows of gases to points adjacent to the open ends of the passageways.

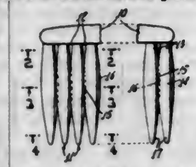
2,255,618

HAIR DEVICE

William Huppert, New York, N. Y., assignor to Delamere Company, Inc., a corporation of Delaware

Application December 26, 1940, Serial No. 371,653
5 Claims. (Cl. 132—21)

1. In a hair device of the character described, a single row of teeth having spaces between their root portions for reception of a quantity of hair, and having solid intermediate portions of greater



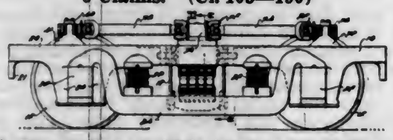
width than their root and lower end portions and arranged with the wide portions of successive teeth overlapping each other in a common plane below said spaces.

2,255,619

RAILWAY VEHICLE

Robert N. Janeway, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application December 13, 1937, Serial No. 179,409
9 Claims. (Cl. 105—190)



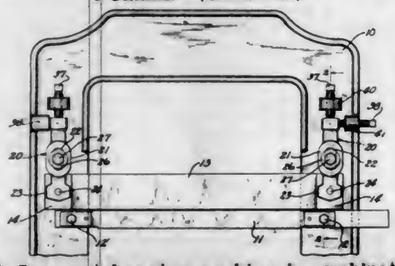
1. In a railway vehicle truck, a truck frame, a relatively movable truck bolster member disposed intermediate laterally extending portions of said truck frame, and means for maintaining said bolster member in spaced relationship with said truck frame portions comprising a mounting on said bolster member, a mounting on said truck frame remote from said bolster member, a resilient means mounted on one of said mountings, and a link extending longitudinally of said truck frame and pivotally connected to said resilient means and to the other mounting, said link and said resilient means being adapted to transmit both tensional and compressional forces.

2,255,620

BACKING-UP BAR FOR HACK SAW BLADES

Otto M. Jensen, Racine, Wis., assignor to Peerless Machine Company, Racine, Wis., a corporation of Wisconsin

Application August 12, 1940, Serial No. 352,182
8 Claims. (Cl. 29—73)



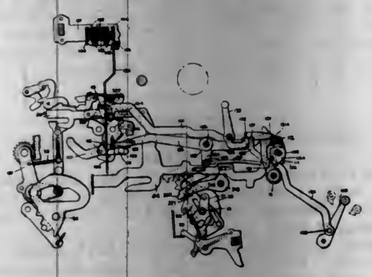
1. In a metal sawing machine, in combination with a reciprocating saw frame and a saw blade, a backing plate engageable with the saw blade and having stiffening and reinforcing blocks welded to its ends, and means cooperating with said reinforced and stiffened ends to set the backing plate just above the saw blade and place the backing plate under tension.

2,255,621

TOTAL CONTROL MEANS FOR ADDING MACHINES

Walter W. Landsiedel, Elmira, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware

Application November 25, 1936, Serial No. 112,649
3 Claims. (Cl. 235—60)



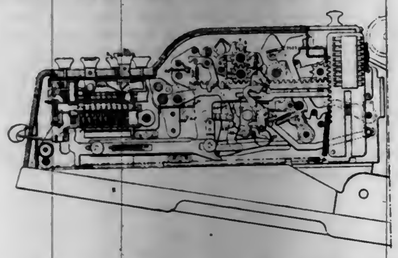
1. In a machine of the class described, the combination with operating mechanism of two separate accumulators, a total link, means under control of said operating mechanism for actuating said link, a latch for latching said link against operation, means operable by said link to condition said operating mechanism for extracting a total from one of said accumulators, means operable by said link to condition said operating mechanism for extracting a total from the other of said accumulators, means including a total control lever for enabling one of said conditioning means and concomitantly disabling the other conditioning means, and means operable by said total control lever for disabling said latch.

2,255,622

COMPUTING MACHINE

Walter W. Landsiedel, Elmira, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware

Application February 15, 1937, Serial No. 125,704
12 Claims. (Cl. 235—60)



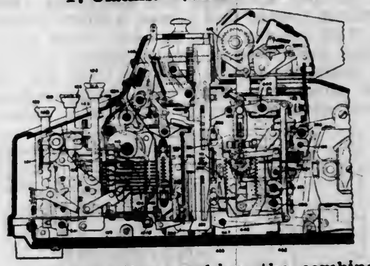
1. In a machine of the class described, the combination with main operating mechanism including an operating shaft, of a register, actuating mechanism for said register; a stop carriage, movable from a normal inactive position to a plurality of active positions, for controlling said register actuating mechanism; means, operable from said operating shaft, for returning said movable stop carriage from any of its active positions to its normal position; means, operable from said operating shaft, for backspacing said movable stop carriage; and means operable by said backspacing means for disabling the carriage return means.

2,255,623

COMPUTING MACHINE

Walter W. Landsiedel, Elmira, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware

Original application February 3, 1934, Serial No. 709,604. Divided and this application December 11, 1937, Serial No. 179,265
17 Claims. (Cl. 235—60)



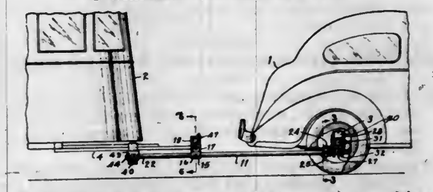
1. In a computing machine, the combination of register wheels turned one way for addition and the other way for subtraction and having transfer teeth, and cooperating transfer mechanism including a transfer dog spring-urged in the direction of the radius of a wheel and having a lug, a fixed stop against which said lug is held and from which it can be pushed by said transfer tooth in one direction in addition and the other way in subtraction, and means settable in addition to prevent displacement of said dog in said other way and in subtraction to prevent displacement thereof in the first recited way, said means acting when the machine is set for addition to move said dog slightly beyond its center position in the first recited way and when the machine is set for subtraction to move said dog slightly beyond its center position in said other way.

2,255,624

TRAILER HITCH

Leo L. Luse, Painesville, Ohio

Application September 30, 1940, Serial No. 359,111
3 Claims. (Cl. 280—33.44)



1. A trailer coupling comprising in combination an attachment for a car axle, said attachment including a coupling element, a single resilient pole adapted to connect with said coupling element at one end, an attachment for the trailer comprising a movably mounted element engageable with the rear end of said pole but allowing relative axial motion therewith, and an intermediate attachment upon the pole connected with the pulling coupling on the trailer.

2,255,625

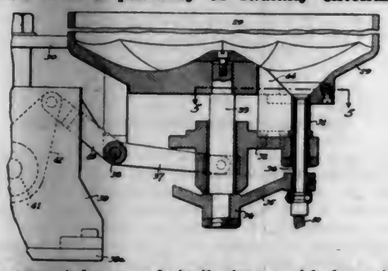
FEEDER FOR BEARING MEMBERS

Herman A. Ortegren and Charles C. Howenstine, Detroit, Mich., assignors to Bower Roller Bearing Company, Detroit, Mich., a corporation of Michigan

Original application December 8, 1937, Serial No. 178,784. Divided and this application August 22, 1939, Serial No. 291,300
4 Claims. (Cl. 221—118)

1. In a device for handling bearing members,

a hopper for containing bearing members and having a bottom wall, said wall being formed with a plurality of substantially circular apertures annularly spaced about the center thereof and providing outlets through which the members may be discharged from said hopper, said wall also being formed with a plurality of elongated, arcuately spaced apertures opening into said circular apertures and extending radially therefrom toward said center, a shaft secured to said wall substantially at said center and extending therebelow, a pair of spiders carried on said shaft one fixedly and the other for movement therealong and each being integrally formed with a plurality of radially extending



arms arcuately spaced similarly as said elongated apertures and in vertical alignment therewith and with said circular apertures, each pair of aligned arms carrying a discharge tube extending into the circular aperture aligned therewith and being fixed with respect to said hopper and said fixed spider, each arm on said movable spider carrying for movement therewith a discharge tube telescopically arranged about the respective first mentioned tube carried thereby and extending into the respective circular aperture, and a plurality of upstanding, radially elongated agitator blades each carried by one of said arms of said movable spider for movement therewith and extensible into said hopper through the respective elongated aperture.

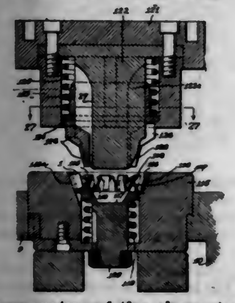
2,255,626

MACHINE FOR ASSEMBLING ROLLER BEARINGS

Herman A. Ortegren and Charles C. Howenstine, Detroit, Mich., assignors to Bower Roller Bearing Company, Detroit, Mich., a corporation of Michigan

Original application December 8, 1937, Serial No. 178,784. Divided and this application April 29, 1940, Serial No. 332,316

5 Claims. (Cl. 29—84)



1. In an apparatus of the character described, a support for supporting a cage having a plurality of annularly spaced fingers deformable for retaining in openings formed in the cage therebetween a plurality of rollers, a pair of concentrically arranged members movable toward and away from said support, one member of said pair having a plurality of annularly spaced, axially extending finger portions cooperable with the cage fingers for deforming the latter, and the other member of said pair also having a plurality of annularly spaced, axially extending finger portions cooperable with the rollers for holding the rollers in place in the cage openings during such cage finger deformation.

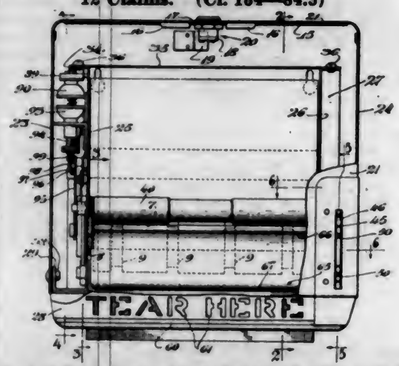
2,255,627

CABINET FOR DISPENSING SHEET MATERIAL

Frank G. Steiner, Miami Beach, Fla., and Rudolph G. Birr, Lombard, Ill., assignors to Steiner Sales Company, Salt Lake City, Utah, a corporation of Utah

Original application March 25, 1940, Serial No. 325,686. Divided and this application March 17, 1941, Serial No. 383,814

12 Claims. (Cl. 164—84.5)



1. A dispensing cabinet having feeding means, a knife behind which the sheet material is fed by said feeding means and by which it is adapted to be torn, and means adapted to automatically move to space the paper away from the rear of the knife, following tear-off by the knife and to hold the paper in substantially upright position as so spaced, said knife being angularly related to the paper as so positioned and having openings therethrough formed by cut-out stencilled lettering which occupies a relatively large area of the knife and through which said paper can be viewed when the eyes of the observer are at a level above the knife.

2,255,628

COLOR CAKE

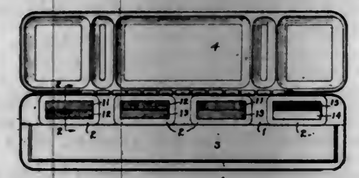
Francis Rogers, Pittsburgh, Pa., assignor to The American Crayon Company, Sandusky, Ohio, a corporation of Ohio

Application October 21, 1940, Serial No. 362,216

7 Claims. (Cl. 41—4)

4. A water color box containing a plurality of dual color painting units arranged in sequence, each said unit consisting of a pan comprising two exposed portions of different colors placed contiguously from edge to edge of said pan, and each said unit including one color in common with the next unit in said sequence, so as to present successive groupings of related colors.

7. A method of water color painting which comprises simultaneously taking up a plurality of colors on contiguous portions of a brush, directly followed by making a single stroke of said brush on a surface to be colored, thereby making a mark which includes the resultant of said colors.



2,255,629

METHOD OF INHIBITING THE CLOUDING OF LIQUID SOAP DURING STORAGE IN GLASS CONTAINERS

Harry L. Roschen, Maywood, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware

No Drawing. Application December 24, 1938, Serial No. 247,643

5 Claims. (Cl. 252—109)

3. The method of inhibiting clouding of liquid potassium cocoanut oil soap during storage of the soap in glass containers which comprises removing the insoluble calcium and magnesium compounds by filtering the soap solution, and thereafter adding to the soap from 1% to 2% sodium hexametaphosphate, based upon the total soap content of the solution.

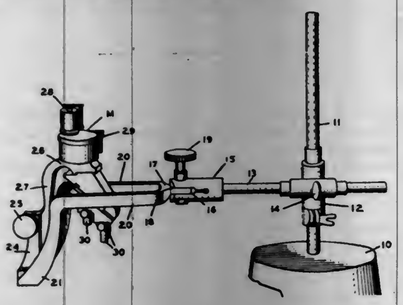
2,255,630

MICROSCOPE

John E. Sass, Ames, Iowa, assignor to Iowa State College Research Foundation, Ames, Iowa, a a corporation of Iowa

Application June 18, 1940, Serial No. 341,163

4 Claims. (Cl. 88—39)



1. A microscope comprising supporting means, a bracket extending horizontally from said supporting means and terminating in a free end, a member secured to and extending laterally from the free end of said bracket, an arm slidably mounted on said member and having a portion substantially parallel to said bracket and extending toward a vertical plane passing through the supporting means, an optical system carried by said portion and having its optical axis lying in a plane which is perpendicular to said portion, said system comprising ocular means and objective lens means, and means on said member for adjusting said arm to focus said optical system.

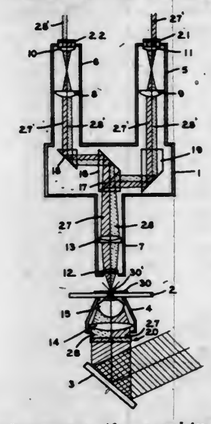
2,255,631

MICROSCOPE

Cyril A. Schulman, Washington, D. C.

Application July 9, 1940, Serial No. 344,517

3 Claims. (Cl. 88—39)



1. In a microscope, the combination of a binocular body and a stage below said body, the body being provided with a single objective for forming an image of an object and with a pair of oculars for viewing said image, optical means within the body between the objective and the oculars for dividing light rays from the objective into two portions of substantially equal intensity and for directing each portion to an ocular, a condenser for converging light rays onto the object from each side thereof, a polarizer interposed in the path of the light rays before entering said condenser, said polarizer being formed of two equal sectors of polarizing material located with respect to each other and to said light rays in a position to polarize the respective halves of the light rays in mutually perpendicular planes, and an analyzer carried by each ocular, the right analyzer being oriented to cut out light rays reaching said ocular and coming from the left side of the object and the left analyzer being oriented to cut out light rays reaching said ocular and coming from the right of the object.

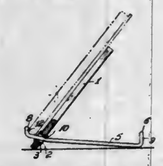
2,255,632

SUPPORT

Hoy Stevens, Lakewood, Ohio

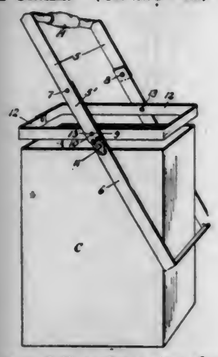
Application May 4, 1940, Serial No. 333,399

3 Claims. (Cl. 45—57)



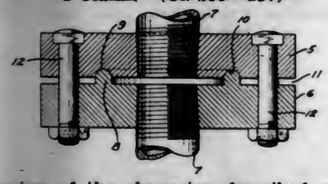
1. In an article support a base formed of a length of stiff wire or the like bent to form a pair of supporting members, a guard for one end of said base formed between said supporting members at one end thereof, and a pair of inwardly and oppositely projecting stops or fingers formed at the other terminal of each supporting member for yieldable engagement with an edge of a back rest, and an inclined back rest slidably carried on said supporting members.

2,255,633
CAN CARRIER
Lucius L. Wagner, Ocean Park, Calif., assignor to Morris Lavine, Los Angeles, Calif.
Application August 28, 1939, Serial No. 292,195
1 Claim. (Cl. 224—45)



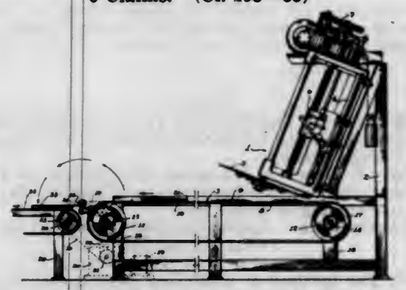
A can carrier of the character shown and described and consisting of a vertical loop of flat bar material adapted to fit snugly around a can vertically and extend above the top of said can, said loop being jointed at its opposite sides at a point below the top of the can to which it is applied, whereby its upper part can be turned down around the top portion of the can, one side of said upper part of said loop being extended below the pivot joint and along side of the lower part of said vertical loop, latch means between the extended end of said upper part and the side of the lower part of said vertical loop for holding said upper and lower parts of said vertical loop in rigid vertical alinement with each other, and a horizontally surrounding loop adapted to fit snugly around the can to be carried and pivotally connected at its opposite sides to the opposite sides of said vertical loop intermediate the top and bottom of the can, whereby the vertical loop, when latched in vertical form, can be rocked as a complete loop on its pivot to move the lower end of said loop out to one side from under the can by the upper portion of said loop.

2,255,634
FLANGE UNION
David J. Walsh, Bridgeport, Conn.
Application March 14, 1941, Serial No. 383,268
1 Claim. (Cl. 285—137)



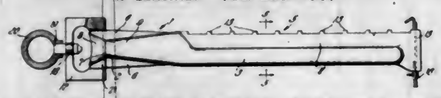
A union of the character described comprising a pair of opposed flange members, one of said members having an annular rib of substantially semi-cylindrical cross section projecting from the face thereof, the opposing face of the other member having an annular groove of the same diameter as the rib and having its bottom surface transversely curved substantially as a semi-circular arc and of the same radius as the rib to correspond with the curvature of the rib and with the ends of the arc in substantially the plane of the face of the member, said rib being of slightly greater height than the depth of the groove and seated therein, and means for clamping the members together to press the curved surfaces of the rib and groove together to make a fluid-tight joint.

2,255,635
INVERTER AND TRANSFER MECHANISM
Charles T. Walter, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application August 29, 1936, Serial No. 227,427
6 Claims. (Cl. 198—33)



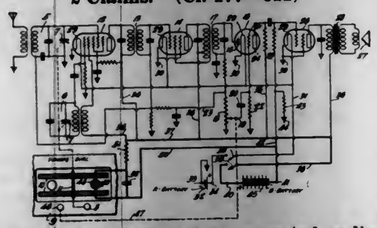
1. In combination with a receiver conveyor and a delivery conveyor mounted in spaced end to end relationship and in substantially longitudinal alignment with the receiver conveyor, inverter and transfer means mounted intermediate the conveyors comprising a shaft rotatably mounted between the ends of the conveyors, a plurality of fingers rigidly secured to the shaft, means normally urging the fingers into delivery position relative to the delivery conveyor and means for periodically returning the fingers to receiving position relative to the receiver conveyor, the last-mentioned means comprising a gear wheel rigidly secured to the shaft, a mutilated gear provided with a radial lug operatively engageable with the gear wheel and a cam having surfaces alternately engageable and disengageable with the lug.

2,255,636
GAS BURNER
Robert A. Wittmann, Chicago, Ill., assignor to Chicago By-Products Corporation, a corporation of Illinois
Application September 16, 1939, Serial No. 295,186
2 Claims. (Cl. 158—99)



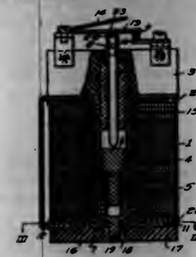
1. A burner tube of greater depth than width comprising a thin walled metal tube having a ported burner portion, said portion comprising substantially parallel vertical walls terminating in substantially parallel straight edges interrupted at relatively long intervals by relatively short integral upwardly arched portions of the side walls joining the side walls mechanically and holding them in spaced relation and having between said arched portions relatively long narrow port openings of the same width as the distance between said vertical walls, the lower parts of said vertical walls diverging outwardly and constituting integral walls of a tubular distributing duct which duct opens upwardly into said narrow passageway along its length, the cross sectional outline of the burner tube being approximately that of an elongated and truncated teardrop to permit upward flow of the secondary air to wipe the upper margins of said vertical sidewalls with substantially streamline flow, the said substantially vertical side walls extending above said duct portion a distance not substantially less than the horizontal radius of the said distributing duct and into the region where the upward current of secondary air induced by the burning of gas at said ports flows in effective heat exchanging contact with said side walls and cools the same, the narrow passageway between said side walls comprising the only communication between the ports and said distributing duct, said narrow passageway between said cooled side walls being effective as a flame arrester to prevent flashback.

2,255,637
ON-OFF INDICATOR CIRCUIT
Antony Wright, Norristown, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application September 30, 1939, Serial No. 297,208
2 Claims. (Cl. 177—311)



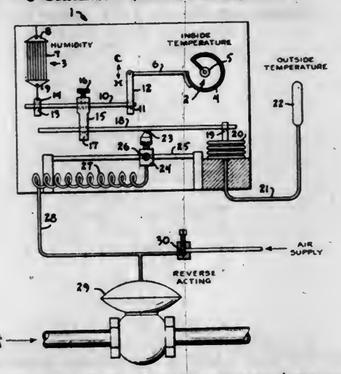
1. In an A and B battery operated radio receiver, an on-off indicator circuit comprising a neon type tube having a flash-over voltage lower than the anode supply voltage of said receiver, an anode voltage supply circuit for said receiver comprising a positive and a negative lead, a switch in one of said leads for energizing said circuit, a controlling capacitor connected in parallel with said tube between said positive and negative supply leads, and a series high resistance control element in said connection whereby said tube flashes intermittently at a predetermined rate when said switch is closed to energize said circuit.

2,255,638
OVERLOAD RELAY
George C. Armstrong, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 24, 1940, Serial No. 315,386
12 Claims. (Cl. 200—88)



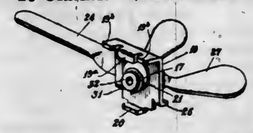
1. An overload relay comprising, in combination, an electromagnetic device having a coil and a pair of magnetic pole pieces coaxially disposed with respect to said coil, a slidable, plunger type armature movable within and along the axis of said coil and which is selectively attracted to either of said pole pieces, a reversibly magnetic element disposed in the vicinity of one of said pole pieces and which loses its magnetism to an appreciable extent as the result of excessive current flow through said coil thereby allowing the armature to move under the influence of the other magnetic pole piece, and an electrical switch which is operable by said armature.

2,255,639
CONDITION CONTROLLER
Douglas H. Annin, San Francisco, Calif., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application December 3, 1937, Serial No. 177,918
5 Claims. (Cl. 236—44)



4. In a compensated effective temperature controller, in combination, a space temperature responsive thermostat, a space relative humidity responsive device, a floating lever actuated by the conjoint action of said thermostat and said humidity responsive device, an actuating device mounted on said lever at an adjustable intermediate point between said thermostat and said humidity responsive device, an outdoor temperature responsive thermostat, a second floating lever actuated by the conjoint action of said actuating device and said outdoor temperature responsive thermostat, a device controlled by said second lever, and means for adjusting said device with respect to said second lever.

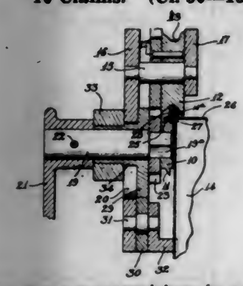
2,255,640
CAN OPENER
Charlotte A. Arnesen, Chicago, Ill.
Application April 30, 1938, Serial No. 205,159
16 Claims. (Cl. 30—13)



1. A dual purpose can opener operable alternatively to open cans fashioned either with or without an annular cutter-penetrable bead located exteriorly of the can body comprising, in combination, a base, a bushing journaled in said base and having a cutter disk eccentrically

mounted thereon, opposed abutments on said base on opposite sides of said bushing and alternatively engageable with the top of the can, one of said abutments being fashioned to engage the can top and support said base with said disk lying closely adjacent the exterior of said can in alinement with a cutter-penetrable bead thereon, the other of said abutments being fashioned to bear against the exterior can wall when said one abutment is in engagement with the can top and alternatively to engage the top of the can, means including said other abutment for alternatively retaining said base slanting outwardly from the can with said cutter disk in penetrating engagement with the can side wall, and a lever on said bushing for rotating the same to shift said cutter disk toward and away from either of said abutments.

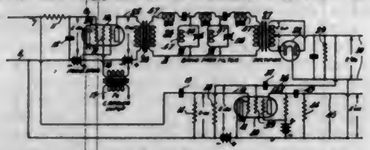
2,255,641
CAN OPENER
Charlotte A. Arnesen, Chicago, Ill.
Application May 4, 1936, Serial No. 77,778
Renewed June 24, 1938
10 Claims. (Cl. 30—13)



1. A can opener comprising, in combination, a vertical base plate, a supporting roller rotatably mounted on said base plate and having a flange adapted to bear against the inner side of a vertical annular shoulder formed on the end of a can, a revoluble cutter disk loosely mounted on said base plate and having a peripheral cutting edge presented toward said supporting roller, cooperating alined gears connected for rotation with said roller and said cutter disk, a peripheral oscillatable cam operatively connected to said cutter disk and contacting a cam surface carried by said base plate, a manual operating handle for oscillating said first named cam to move said cutter disk into penetrating engagement with a laterally projecting portion of the can and for simultaneously moving said gears into mesh, and a manual operating member for rotating said cutter disk and said roller through the medium of said gears to circumferentially sever the laterally extending portion of the can.

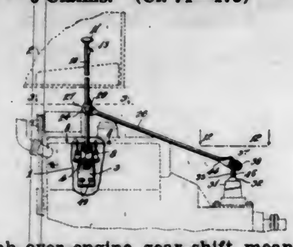
2,255,642
MULTIPLE CHANNEL SIGNAL TRANSMISSION SYSTEM
Maurice Artzt, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 29, 1940, Serial No. 321,562
18 Claims. (Cl. 178—44)

1. In a signal transmission system, the combination of means for modulating a carrier wave in a predetermined band of frequencies, said carrier wave being at a higher frequency than the highest operating frequency of the signal transmission system, means including a tunable band pass filter for selecting the carrier wave and side bands of said modulated carrier wave with sharp cut-off and substantially zero phase shift, means providing a second signal conveying channel, means for applying incoming signals to said



channels, means for deriving the modulation component of said modulated signal, and means for applying said component in phase opposition to a signal in said second channel thereby to modify the frequency spectrum of said signal.

2,255,643
CAB-OVER-ENGINE GEARSHIFT MEANS
George M. Beimer, Lodi, N. J., assignor to Couse Laboratories, Inc., Newark, N. J., a corporation of New Jersey
Application December 24, 1940, Serial No. 371,535
6 Claims. (Cl. 74—473)



1. A cab-over-engine gear-shift means, comprising an operating lever having a hand grip, a pivotal support for the lever at a position to one side of the engine and below the cab, the said lever terminating in a spherical formation while the said support comprises a bracket having a projecting hollow stud with a hole in its wall large enough to pass the spherical formation of the lever, a spring-pressed bearing member engaging the said formation on one side and a screw in the end of the stud having a bearing surface engaging said lever formation on the side opposite to said spring-pressed member, a connecting rod having one end pivotally connected to said lever intermediate its ends and extending diagonally inwardly to a point adjacent the transmission and terminating in an end having two large flat surfaces, a gear shifting member going into the transmission and extending upwardly from the transmission and terminating in a member having a relatively large flat surface for engagement with said large flat surface on the end of the connecting rod, a pivot pin going through all of said surfaces and non-rotatably fastened to the rod, the pin having a guide hole in one end, a latch-pull carried by said lever adjacent the hand grip and a flexible pull-wire having considerable stiffness longitudinally of its length fastened to the latch-pull and extending along the lever and connecting rod and through said guide hole in said pin to a latch at the transmission.

2,255,644
SOUND FILM PRINTING
Arthur C. Blaney, Los Angeles, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application August 5, 1939, Serial No. 288,612
4 Claims. (Cl. 95—75)

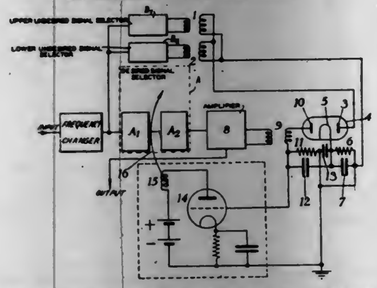
1. A negative film for testing the printing of

sound track comprising a negative having a plurality of opaque parallel lines equally spaced from each other extending longitudinally and disposed within the sound track area of said negative, the



width of said lines being approximately the size of the average variations between opaque and transparent areas on the sound negatives to be printed by said printer.

2,255,645
AUTOMATIC SELECTIVITY CONTROL SYSTEM
Norman Richard Bligh, North Wembley, and Charles Norman Smyth, Sidcup, England, assignors, by mesne assignments, to Hazeltine Corporation, Jersey City, N. J., a corporation of Delaware
Application January 23, 1936, Serial No. 60,436
In Great Britain January 31, 1935
32 Claims. (Cl. 250—20)



9. In a modulated carrier signal receiver, a band-pass selector for selecting a desired signal comprising a carrier frequency and a band of modulation frequencies, and means for automatically adjusting the width of the band of frequencies passed by said selector inversely in accordance with the amplitude of an undesired signal on a carrier frequency near the desired signal carrier frequency.

2,255,646
TIRE MAKING MACHINE
William B. Brewer, Charles L. Frost, and Howard Karg, Findlay, Ohio, assignors to Master Tire & Rubber Corporation, Findlay, Ohio, a corporation of Delaware
Application April 23, 1938, Serial No. 203,782
7 Claims. (Cl. 18—2)

1. An apparatus for shaping and bagging tire casings, comprising in combination a work table, a squeeze head, relatively slow-acting mechanical means for moving said squeeze head toward and from said work table, a pair of reciprocable heads and means for reciprocating the same relatively to each other and to said work

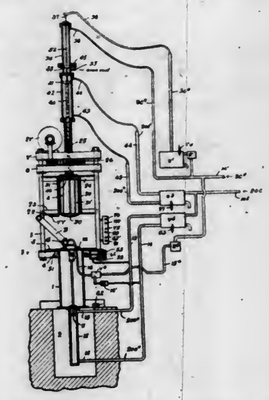
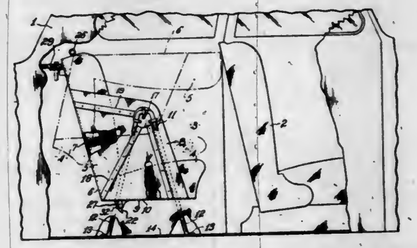


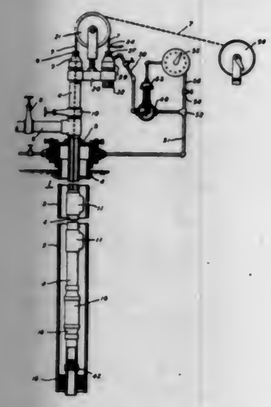
table all mounted upon said squeeze head and movable therewith, a pressure-tight expansible apron carried between said reciprocable heads, an edge in said squeeze head defining an opening for passage of said apron, and said squeeze head adjacent said edge being adapted to engage the bead of a tire on said work table.

2,255,647
CONVERTIBLE SEAT
William R. Brown, Cleveland, Ohio
Application May 21, 1940, Serial No. 336,391
3 Claims. (Cl. 155—5)



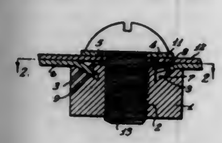
2. The combination with a motor vehicle body and a front seat in said body, of a convertible member rotatably mounted in said body for rotation about a substantially horizontal axis, said convertible member comprising an integral seat and back rest, aligned bearing members carried by the convertible member, a pair of supports in said vehicle body, bearing members in said supports for engagement with said other bearing members whereby to rotatably support the convertible member in the body, the back rest portion of said member bridging a space between the said front seat and the rear wall of said body to provide a substantially continuous baggage support when the convertible member is swung from a seating position to a baggage supporting position on said bearings, and releasable means for maintaining said member in baggage supporting position.

2,255,648
GAS LIFT APPARATUS
Thomas E. Bryan, Fort Worth, Tex.
Application August 3, 1939, Serial No. 288,191
6 Claims. (Cl. 103—232)



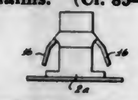
1. In a wire line operated valve unit comprising a housing capable of being lowered into a well tubing and operatably located adjacent the lower end thereof which has gas passage means through the wall thereof, the combination of a well tubing, a housing, a stem within the said housing and extending through the upper end thereof, inlets in the said housing for receiving gas from the said passage means in the said tubing, passages extending from the said inlets through the said housing, valve elements on the said stem for opening and closing the said inlets, a tubular body attached to the upper end of the said housing and around the said stem, a rod slidably mounted within the said tubular body and adapted to operate the said stem, a wire line attached to said rod and extending to the surface of the well through said tubing.

2,255,649
NUT
James P. Burke, Knoxville, Tenn., assignor to Bert L. Quarnstrom and F. L. McLaughlin, both of Detroit, Mich.
Original application March 6, 1939, Serial No. 260,061, now Patent No. 2,164,382, dated July 4, 1939. Divided and this application June 2, 1939, Serial No. 276,952
3 Claims. (Cl. 85—32)



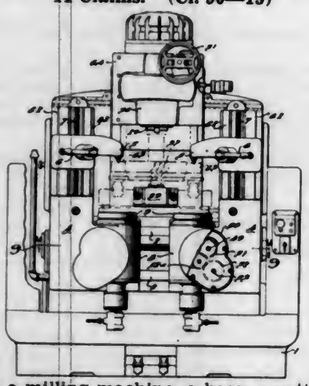
1. In combination, a sheet member having a pre-formed concavo-convex portion with an aperture therein, a nut having a stem insertable in said aperture and a concave seat surrounding the stem and receiving the convex portion of said member, and means on said nut tending to expand said convex portion against said seat incident to rotation of the nut in one direction.

2,255,650
SELF-ANCHORING NUT
James P. Burke, Knoxville, Tenn., assignor to Bert L. Quarnstrom and F. L. McLaughlin, both of Detroit, Mich.
Application February 3, 1940, Serial No. 317,092
2 Claims. (Cl. 85—32)



2. A nut comprising an abutment portion, a pair of parallel arms arising from said abutment, said arms being joined at their outer ends by an integral substantially frusto-conical portion, an internally threaded tubular portion integral with the outer and smaller end of said frusto-conical portion, and a pair of parallel arms arranged at right angles to the first named arms, said second pair of arms being integrally connected with said frusto-conical portion and extending therefrom in a direction both radially outwardly and toward said abutment portion.

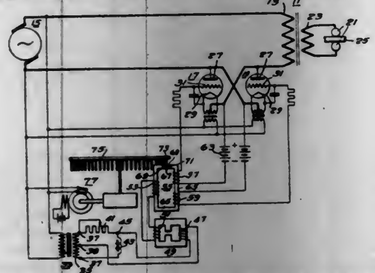
2,255,651
MILLING MACHINE
Ralph E. Cross, Detroit, Mich.
Application January 5, 1940, Serial No. 312,559
11 Claims. (Cl. 90—15)



1. In a milling machine, a base, a cutter head assembly movable horizontally on the base, a rotatable cutter carried by the cutter head assembly and movable therewith, a pair of spindle assemblies slidably mounted on the base and movable horizontally, transversely to the movement of the cutter head assembly, means for adjusting the position of the spindle assemblies horizontally, means for holding a piece of work on each spindle assembly, means for rotating the spindles and work, the arrangement being such that as the rotating cutter is moved between the rotating pieces of work the work is cut to size.

2,255,652
CONTROL APPARATUS
John W. Dawson, Auburndale, Mass., and Harold C. Jenks, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 29, 1938, Serial No. 187,700
14 Claims. (Cl. 250—27)

1. Apparatus for supplying a load from a source of periodic potential pulsations comprising valve means interposed between said source and said load, said valve means being of the type that is normally non-conductive but becomes conductive when an impulse of magnitude greater than a predetermined magnitude is impressed thereon, means for producing a plurality of impulses of magnitude less than said predetermined magnitude and of short duration com-

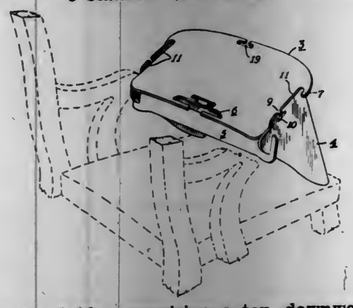


pared to a period of said pulsations, means for impressing said impulses on said valve means, and means cooperative with said producing means for increasing the magnitude of certain of said impulses to a value greater than said predetermined magnitude while retaining their wave form thereby correspondingly to render said valve means conductive.

2,255,653
SENSITIZED EXPLOSIVE
John W. Dawson and William M. Dehn, Seattle, Wash.
No Drawing. Application October 31, 1938, Serial No. 237,984
4 Claims. (Cl. 52—17)

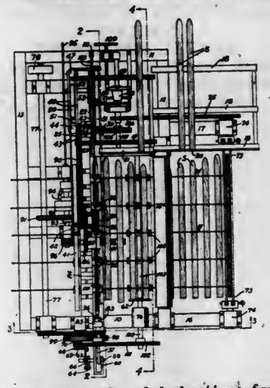
1. A potentially detonating explosive containing an alkali metal compound having an excess of combined oxygen, said explosive being sensitized with a relatively small percentage of a polyhalogen organic compound containing more than two halogen atoms.

2,255,654
TABLE
Evan J. Davis and Bertha J. Davis, Yakima, Wash.
Application March 5, 1940, Serial No. 322,372
5 Claims. (Cl. 45—69)



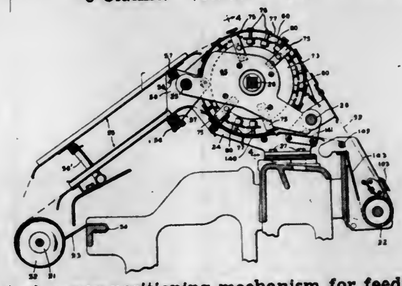
1. A lap table comprising a top, downwardly-extending end members having tongue and slot connection with the top at their forward edges, to prevent relatively vertical and lateral displacement of the top and the end members at their forward edges, means rearwardly of said connections, for vertically supporting the top on the end members, and a lap-engaging strip having slots in its ends, for receiving the rear edges of said end members, to prevent spreading thereof, the lower extremities of the end members being of reduced width so that they will tilt on a supporting surface.

2,255,655
PICKET FENCE MAKING MACHINE
J. Wayne Denning, Joliet, Ill.
Application October 16, 1940, Serial No. 361,362
11 Claims. (Cl. 140—26)



1. In a machine for fabricating fencing consisting of spaced slats and longitudinal strand wires engaging the slats, the combination of means for engaging the strand wires with the slats, means permitting lateral advancement of slats of uniform length singly to the wire engaging means, a stop for positioning one end of each slat in the intended relation longitudinally with respect to the wire engaging means, a patterned template member for variably changing the position of said stop to adjust the ends of succeeding slats in conformity with the intended pattern, and means for operating the wire engaging means and the template member in timed relation to one another to impart a variable contour to the upper end of the completed fence.

2,255,656
TABULATING MACHINE
Elmer H. Dreher, Rockville Centre, Long Island, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application December 13, 1939, Serial No. 309,043
8 Claims. (Cl. 197—133)



4. A paper positioning mechanism for feeding a web of paper over a platen or imprinting location, having spaced drum members rotatably

mounted on a common shaft, the circumferential area defined by the drum members being substantially larger than that of the utilized area size of the platen or imprinting location with which it is associated, said drums having two independent curved paper contacting areas situated in oppositely disposed relationship to one another on the circumferential surface thereof, and means for gripping the web of paper along the respective curved contacting areas to uniformly feed the paper both to and from the platen or imprinting location upon rotation of the drums.

2,255,657
DENTAL APPARATUS
Hyman Freedman, New York, N. Y.
Application May 3, 1941, Serial No. 391,695
9 Claims. (Cl. 32—33)



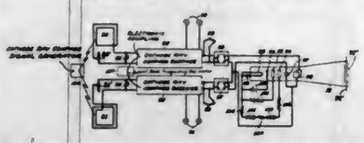
1. A saliva ejector comprising a tube consisting of electrically insulated sections each constituting a conductor and combining to form a mouthpiece portion and a chamber at one end of the tube, and a source of illumination mounted in said chamber and electrically connected to said conductor sections.

2,255,658
METHOD OF MAKING BENT METAL STRUCTURES
Samuel Friedman, Brooklyn, N. Y.
Application October 4, 1938, Serial No. 233,187
9 Claims. (Cl. 29—148.2)



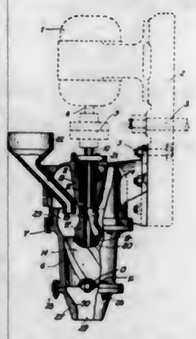
1. The method of bending a sheet of metal having its edge reversely folded or curled to form a beaded edge which is stiff and difficult to bend compared with the sheet, without causing waves in the sheet, which includes reinforcing the sheet of metal at a point adjacent the bead but on the opposite side of the sheet from the bead by securing additional metal thereto, and thereafter bending said reinforced sheet.

2,255,659
RADIANT ENERGY DISTANCE DETERMINING SYSTEM
Edward G. Gage, Brooklyn, N. Y., assignor, by direct and mesne assignments, of two-thirds to Leon Ottinger, New York, N. Y.
Application June 28, 1939, Serial No. 281,511
5 Claims. (Cl. 250—2)



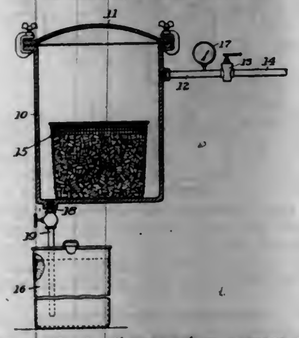
1. In a system for measuring the distance of a mobile unit from a given point, the combination with a unit for radiating electromagnetic waves comprising more than two radio transmitters, each transmitter being located about a fixed point in such manner as to provide equal spacing between each pair thereof, and means to cause all of the transmitters to radiate successively during a period of measurement waves of the same frequency; of receiver means on a mobile unit including two directional receiving elements located at a predetermined angle to each other and means to tune both elements to the radiated frequency, together with two translation means operatively associated with the respective elements and tuning means, the whole affording two substantially identical receiver channels, cathode-ray tube means operatively coupled to said receiver channels and including a distance indicating scale whereby the received energy produces a pair of divergent linear traces cooperating with said scale to indicate said distance.

2,255,660
MATERIAL PROJECTOR
Owen J. Gartner, Cleveland, Ohio
Application August 26, 1939, Serial No. 292,117
3 Claims. (Cl. 51—9)



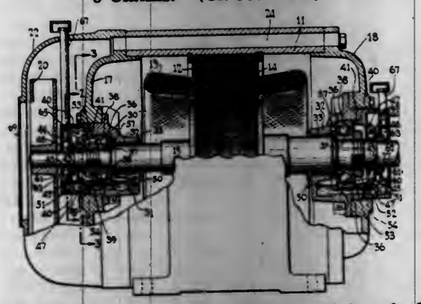
1. In a material projector, a cylindrical casing, a pivoted support for the casing, said casing being movable about a horizontal axis and having a material charging inlet at one end, a discharge nozzle at the other end of the casing, said nozzle having a restricted discharge opening co-axial with a rotor, a rotor in the casing, means for rotating said rotor in the casing at high velocities, said rotor having a plurality of helical passages communicating with the casing inlet and with the nozzle, whereby material entering the inlet will be discharged in the form of a concentrated stream through the nozzle at high velocity.

2,255,661
STAYBOLT PLUG AND METHOD OF MAKING THE SAME
Grover R. Greenslade, Scott Township, Allegheny County, Pa., assignor to Flannery Bolt Company, Bridgeville, Pa., a corporation of Delaware
Application January 31, 1939, Serial No. 253,787
11 Claims. (Cl. 10—27)



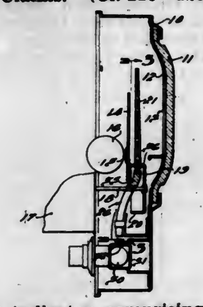
8. The method of preparing porous plugs for use in staybolts which comprises evacuating air from porous ceramic plugs, immersing them in a salt solution while they are evacuated for sufficient time that the solution will thoroughly penetrate the same under conditions which will force the solution into the pore spaces of the article, and thereafter drying the plugs and baking them to glaze the salt which has been deposited in the pore spaces thereof, the solution being of a density sufficient upon the evaporation of the solvent to form a deposit capable of materially diminishing the porosity of the ceramic.

2,255,662
BEARING
Anders Gulow, Arlington, N. J., assignor to Continental Electric Company, Inc., Newark, N. J., a corporation of New Jersey
Application December 31, 1937, Serial No. 182,751
6 Claims. (Cl. 308—187)



1. In a bearing structure for a revolving shaft, a bearing housing having in its interior a liquid lubricant reservoir, an anti-friction bearing for said shaft having a plurality of anti-friction members surrounding said shaft and located in said housing above the level of said lubricant, a hollow endless lubricant carrier having a portion immersed in said lubricant and a portion held in engagement with a shaft portion for lifting and depositing lubricant from said reservoir on said shaft portion, and collecting means including a deflecting member having an edge portion extending through said hollow carrier along and sufficiently close to the surface of the shaft portion embraced by said carrier for removing from said shaft lubricant deposited thereon before it acquired from the revolving shaft centrifugal forces sufficient to effectively pull deposited lubricant off the shaft and disperse the pulled-off lubricant in the surrounding bearing interior, and guide means for guiding removed lubricant to anti-friction members of said bearing located below the shaft, said anti-friction members constituting the sole support for the shaft portion extending through the interior of said bearing structure so that said deflecting member shall remain wholly out of pressure contact in relation to said shaft.

2,255,663
INDICATING INSTRUMENT
Wray C. Hansen, Highland Park, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application July 29, 1940, Serial No. 348,103
4 Claims. (Cl. 116—129)

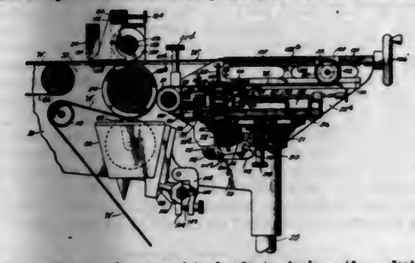


1. A visual indicator comprising a fixed, indicia-bearing surface, a pointer arranged to swing past the indicia on said surface, means to swing said pointer comprising a hub radially supporting said pointer, said hub being formed of opaque material and having a flange on which said pointer is mounted, said flange having a restricted opening therethrough through which light may be projected longitudinally of said pointer, a light-emitting element shielded from said hub and said pointer, and means to illuminate said pointer comprising a bar of light-transmitting material having one end adjacent said light-emitting element to collect light therefrom, an intermediate light-carrying portion extending around the edge of said flange, and a terminal portion lying within said flange and terminating in an extensive, arcuate face adjacent the inner surface of said flange and substantially parallel thereto, said restricted opening being adjacent said arcuate face whereby as the hub rotates light emitted from said arcuate face may be projected through said restricted opening longitudinally of said pointer.

2,255,664
GLUING MACHINE
John A. Heckman, Chicago, Ill., assignor to Miller Wrapping and Sealing Machine Company, Chicago, Ill., a corporation of Illinois
Application January 25, 1940, Serial No. 315,561
16 Claims. (Cl. 91—14)

13. In a machine of the class described, the combination of means for advancing a web, means for applying a longitudinal glue line to the under surface of the web in parallel relation to the direction of advancement, including a glue

pot having a gluing device carried thereby, a rock shaft upon which the glue pot is carried, and



means for rocking said shaft to bring the gluing device recurrently into contact with the surface of the advancing web.

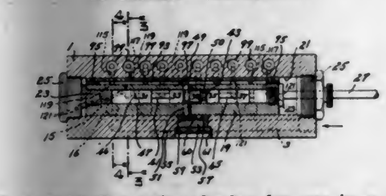
2,255,665

MULTIPLE FEEDER FOR UNIFLOW SYSTEM

David R. Hillis, Detroit, Mich., assignor, by mesne assignments, to Hydraulic Devices, Inc., Detroit, Mich., a corporation of Michigan

Application December 5, 1936, Serial No. 114,323

15 Claims. (Cl. 184—7)



2. A fluid dispensing feeder for use in a uniflow system comprising, a casing, an inlet port for connecting high pressure fluid into said casing, a hollow piston operator slidably disposed in said casing, a fluid responsive valve slidably disposed therein, fluid controlling ports and passages controlled thereby for applying fluid pressures from said inlet port to reversely move said piston in said casing, fluid controlling ports and passages controlled by the reciprocations of said piston for applying fluid pressures to reversely operate said valve whereby the piston and valve automatically perform successive operating cycles in response to suitable fluid pressure applied in said inlet port, fluid dispensing ports in said casing, pressure actuated fluid measuring pistons controlled by the reciprocations of said fluid responsive piston for dispensing fluid out of said dispensing ports and a port for exhausting the working fluid after it has actuated said piston operator.

2,255,666

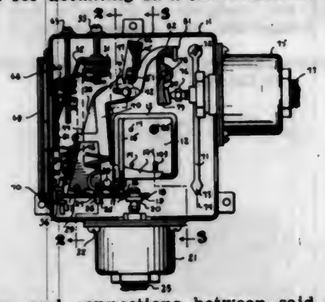
PRESSURE SWITCH

Albert L. Judson, Portland, Oreg., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application July 2, 1938, Serial No. 217,244

11 Claims. (Cl. 200—83)

1. A device of the character described comprising in combination, an operating member, a first condition responsive means for moving said operating member back and forth, an actuating member normally movable with said operating member, a switch mounted for actuation by said actuating member, a support, a lever mounted on said support, a one way acting bimetallic thermostat mounted on said support for rotating said lever, connections between said lever and said actuating member whereby said thermostat is capable of moving said actuating member independently of said operating member, manual means for actuating said thermostat in one direction, and connections between said manual means and said lever whereby said manual means is capable of moving said lever and hence said actuating member independently of said condition responsive means and said thermostat.



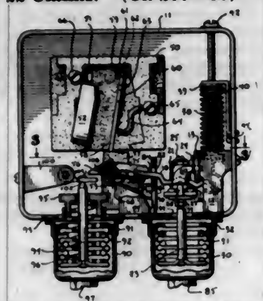
2,255,667

PRESSURE OPERATED SWITCH

Albert L. Judson, Portland, Oreg., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application July 2, 1938, Serial No. 217,245

22 Claims. (Cl. 200—83)



1. In a device of the character described comprising in combination, a control member mounted for movement back and forth in opposite directions, means biasing said member in one direction, a first lever having a one-way connection with said member for controlling its movement in the opposite direction, a second lever having a one-way resilient connection with said member for controlling its movement in said one direction, condition responsive means for rotating said levers, and means causing said condition responsive means to rotate said first lever back and forth at one value of said condition while said second lever remains stationary and to rotate said second lever back and forth at a second value of said condition while said first lever remains stationary.

2,255,668

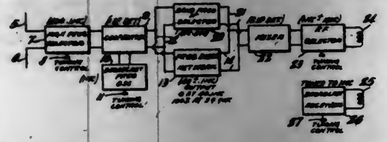
FREQUENCY-MODULATION RECEIVER

Winfield R. Koch, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application June 14, 1940, Serial No. 340,448

10 Claims. (Cl. 250—20)

1. The method of converting frequency-modulated radio signals at a relatively high frequency to amplitude-modulated signals at a lower frequency, comprising selecting a frequency-modulated high frequency signal, converting said high frequency signal by mixing with oscillations in a desired tuning range for amplitude-modulated signal reception, converting said frequency-mod-



ulated high frequency signal to an amplitude-modulated signal, mixing said last named converted signal with the converted high frequency signal to provide a relatively low intermediate frequency signal having amplitude modulation, and selecting said last-named signal.

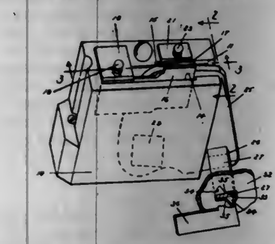
2,255,669

ENCLOSED SWITCH AND CONTACT THEREFOR

Edwin W. Landmeier, Cincinnati, Ohio, assignor to The Wadsworth Electric Manufacturing Company, Covington, Ky., a corporation of Kentucky

Application October 6, 1938, Serial No. 233,615

1 Claim. (Cl. 200—163)



An enclosed type switch comprising a slotted base of insulating material, a pair of fixed contacts disposed in the slot adjacent opposite walls thereof, a carrier of insulating material disposed in the slot between said contacts and having an aperture therein adjacent an edge thereof for receiving a moving contact, and further provided with an elongated slot, a flat bar in said slot and a cabinet wall having an aperture therein to receive said bar and presenting opposed fulcrum points on opposite sides of said bar and further presenting arcuate edges restraining edgewise movement of the bar and permitting limited rotational movement thereof.

2,255,670

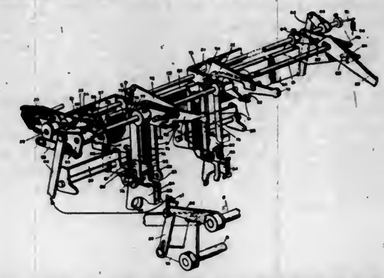
TABULATING MECHANISM

William W. Lasker, deceased, late of Brooklyn, N. Y., by William W. Lasker, Jr., executor, Brooklyn, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware

Application August 7, 1937, Serial No. 157,885

4 Claims. (Cl. 235—61.9)

1. In a machine for tabulating data contained in successive groups of records and having total taking control means operative after the tabulation of each group, the combination of a plurality of printing hammers and means to operate said hammers during each machine cycle, a non-print bail for the printing hammers, said bail being settable to a closed or an open position and arranged when closed to prevent the operation of the hammers, and means for controlling the operation of the bail, said last recited means comprising a first control means resiliently connected to the bail and settable to a plurality of positions, said control means being arranged in a first of said positions to open the bail and in a second of said positions to close the bail, impositive means to hold the control means in its second position, means operable by the total taking control means to set the control means in its first position against the action of the impositive means whereby the bail is urged to open position when a total is taken, a second control means operable by the total taking control means and



arranged when operated to close the bail whereby the bail is closed against the tension of the first control means when a total is taken, additional means resiliently connected to the bail and movable by the second control means to a position to urge the bail to open position, means to retain said additional means in said last mentioned position whereby the bail is opened after the operation of the total taking control means, and means operable by the printing hammer operating means to disable said retaining means whereby the bail is restored to the control of the first control means after printing is effected in the cycle following the operation of the total taking control means.

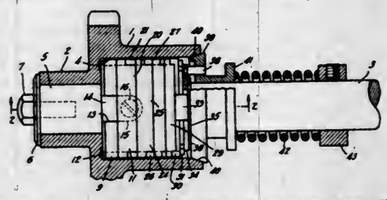
2,255,671

POWER TRANSMITTING MECHANISM

Leslie K. Loehr, Los Angeles, Calif., assignor to Guy H. Hall, Los Angeles, Calif.

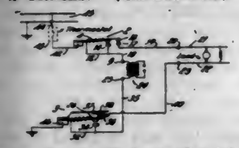
Application June 20, 1939, Serial No. 280,087

11 Claims. (Cl. 192—35)



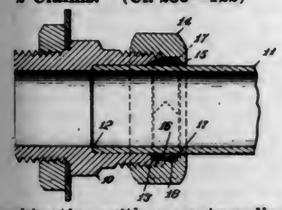
1. In a mechanism of the character described, means forming an internal cylindrical surface, and a plurality of interconnected open-ended bands adapted to engage said surface, said bands forming a common cylindrical surface, adjacent pairs of bands being joined by a tongue extending from one band into the gap of the other, the ends of the tongue being adapted to engage abrupt end surfaces of the adjacent band, the angular extent of the tongue forming a substantial part of the entire circumference, and the ends of the tongue being spaced from the ends of the corresponding band.

2,255,672
ELECTRICAL CONTROL DEVICE
William C. Mason, Albany, N. Y.
Application July 1, 1938, Serial No. 216,911
2 Claims. (Cl. 158—28)



1. In a control circuit for a liquid fuel burner comprising an electrical load and an ignition transformer, a source of electrical energy, a thermostat, a first, normally closed switch and a second, normally open switch connected in series with said thermostat and electrical load across said source of electrical energy, and electrical means, in series with said transformer and thermostat across said energy source, for effecting the opening of said first switch and the closing of said second switch, said first switch having associated therewith a thermal-responsive element acting, when thermally actuated, to prevent the opening of said first switch.

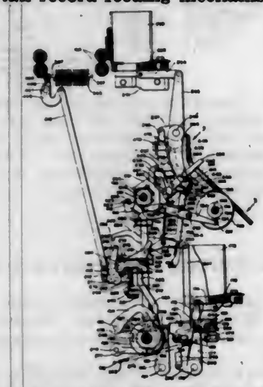
2,255,673
NUT
Franklin McDermott, La Grange, Ill., assignor, by mesne assignments, to Wagner Malleable Products Company, Decatur, Ill., a corporation of Delaware
Application February 5, 1940, Serial No. 317,362
2 Claims. (Cl. 285—122)



1. In combination with an externally threaded coupler member provided with a chamfered orifice adapted to receive the end of a threadless pipe and a thin walled metallic split ring of arched cross section whose opposite ends are adapted to effect gripping engagement with a threadless pipe; a sleeve nut internally threaded at one end adapted to screw onto the coupler member, provided with an inturned flange about the pipe receiving aperture at the other end and an internal comparatively wide unthreaded cylindrical portion intermediate of the threads and said flange adapted to contact the ring adjacent its circumferential median line, the inner face of said flange being provided with an annular convex surface, whose radius is confined within the body of the nut, adapted to effect an annular line contact with the outer surface of the split ring adjacent its pipe gripping end to induce contraction and compression thereof.

2,255,674
STATISTICAL CARD COMPARING MACHINE
Joseph M. McDonnell, Baldwin, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application December 21, 1939, Serial No. 310,383
43 Claims. (Cl. 164—114)

1. In a machine for handling master and detail records and including a comparing means for sensing comparisons or non-comparisons between perforation patterns in preselected portions of such records, the combination of a master record feeding mechanism and a detail record feeding mechanism, each of such feeding mechanisms being operable to effect record feeding during each machine cycle, a locking means movable to a first position to prevent the operation of the master record feeding mechanism or to a second position to prevent the operation of the detail record feeding mechanism, impositive means to urge said locking means to its first position, means operable under the control of the comparing means to move said locking means positively to its second position when a comparison is sensed and to permit said impositive means to move said locking means to its first position when a non-comparison is sensed, and means operative when a comparison is sensed to disengage said last recited means from said locking means after one machine cycle.



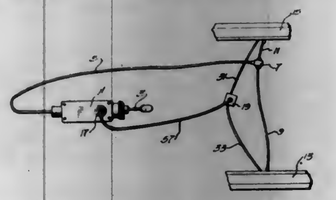
2,255,675
MULTIPLE BEARING THRUST BLOCK
Karl A. Nygren, Belle Vernon, Pa.
Application May 20, 1938, Serial No. 209,047
2 Claims. (Cl. 308—233)



1. In combination with a rotatable shaft, a thrust housing therefor, two thrust bearings for said shaft spaced longitudinally thereof and movable longitudinally therewith in response to thrust imparted thereto, a yielding support between one such bearing and said housing arranged to bring said bearing to a rigid seat on said housing after a predetermined longitudinal movement of said shaft, and a resilient support for the other thrust bearing so arranged as to continue to yieldingly support the same after the companion thrust bearing has moved to a rigid seat on the thrust housing.

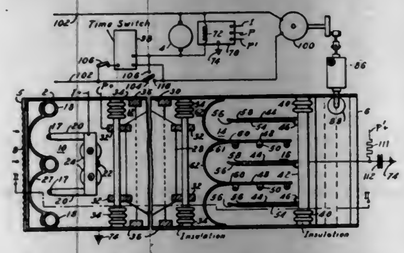
2,255,676
METHOD AND APPARATUS FOR REMOVING AIR FROM HYDRAULIC BRAKES
John L. O'Reilly, Pontiac, Mich.
Application September 30, 1939, Serial No. 297,213
1 Claim. (Cl. 188—152)

An apparatus for temporarily connecting with automotive hydraulic systems for bleeding air and gases therefrom comprising, return conduit means for temporarily connecting to the relief valves of each brake operator and returning through the filling aperture of the fluid chamber of the master cylinder, a valve body connected into said return conduit means, a valve chamber in said valve body, a central passage extending in



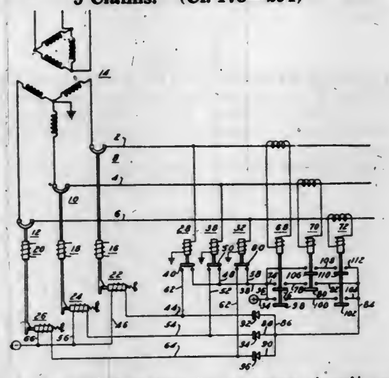
said body and connecting from said valve chamber, a plurality of fluid receiving ports connecting from said central passage and opening from said body, a valve associated with said central passage for resisting fluid flow from the central passage to said fluid receiving ports, and a fluid discharging port connecting from said valve chamber and opening from said body.

2,255,677
ELECTRICAL PRECIPITATOR, ESPECIALLY FOR MINUTE DUST PARTICLES
Gaylord W. Penney, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 15, 1940, Serial No. 319,079
7 Claims. (Cl. 183—7)



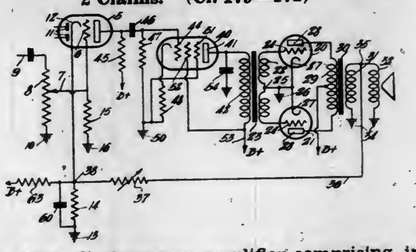
1. A device of the class described for removing dust including finely-divided dust particles from a gas-flow which comprises, successively in the direction of the gas-flow: ionizing means for the dust particles, comprising insulated ionizing wires and ground electrodes spaced therefrom; agglomerating means for the dust particles comprising a plurality of relatively closely spaced electrodes, adjacent ones of which are relatively insulated from each other; a second ionizing means; and a precipitating means comprising a plurality of plates substantially parallel to the gas-flow, the last said plates being relatively widely spaced with adjacent ones relatively insulated from each other; limited-energy means to apply a potential gradient between the adjacent electrodes of said spaced electrodes, and between the plates of the last said plurality of plates, said means including a device for maintaining the gradient between the plates of the last said plurality of plates in the event of a temporary short between electrodes of the first said plurality of spaced electrodes.

2,255,678
GROUND AND INTERPHASE PROTECTION SYSTEM
Elmer G. Ratz, Hamilton, Ontario, Canada, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 29, 1940, Serial No. 326,718
5 Claims. (Cl. 175—294)



1. In a control system for a power circuit comprising a plurality of conductors, a circuit breaker for each of the conductors, a tripping device for each of the breakers, means responsive to ground faults on the conductors for actuating the tripping device of the circuit breaker for the conductor on which the fault occurs, and means responsive to conductor-to-conductor faults for actuating a plurality of said tripping devices.

2,255,679
AUDIO FREQUENCY AMPLIFIER
James M. Riddle, Jr., West Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 31, 1939, Serial No. 276,680
2 Claims. (Cl. 179—171)



1. An audio frequency amplifier comprising, in combination, an output stage having a low impedance input circuit requiring power over at least a portion of each signal cycle, said amplifier stage having a low gain and a relatively high power output, means for compensating for said low gain and for providing power for said input circuit comprising an amplifier stage having a high power sensitivity and a high impedance output circuit, a step-down transformer having a high impedance primary winding connected in said high impedance output circuit and having a low impedance secondary connected in said first-named input circuit thereby to provide a step-down coupling connection between said high impedance output circuit and said low impedance input circuit, an output circuit for said output

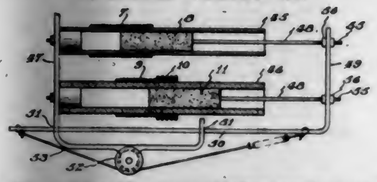
stage, an output transformer having a primary connected in said last-named output circuit and having a low impedance secondary, means providing a load circuit connection for said secondary, means providing an inverse feedback loop through said amplifier stage and said low impedance secondary to compensate distortion generated in said amplifier stage, and means for controlling the inverse feedback current through said loop.

2,255,680

VARIABLE PERMEABILITY TUNING SYSTEM

William F. Sands, West Collingswood, and Paul F. G. Holst, Oaklyn, N. J., assignors to Radio Corporation of America, a corporation of Delaware

Application May 17, 1940, Serial No. 335,708
10 Claims. (Cl. 250—40)



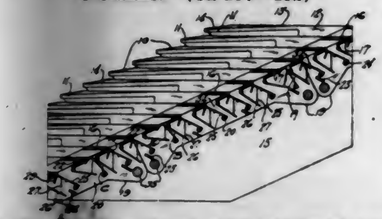
1. In a variable permeability tuning system, the combination of two tuning inductance windings each having a movable tuning core and one of said windings having a plurality of back wound turns adjacent one end for effecting a variable pitch in said windings thereby to provide a predetermined tracking relation in the tuning response of said windings with unicontrol tuning movement of said cores.

2,255,681

FLUID CONTROL SYSTEM

William V. Sauter and Howard F. Lawrence, Philadelphia, Pa., assignors to American Engineering Company, Philadelphia, Pa., a corporation of Pennsylvania

Original application May 18, 1935, Serial No. 22,217, now Patent No. 2,173,884, dated September 26, 1939. Divided and this application June 11, 1938, Serial No. 213,151
3 Claims. (Cl. 137—152)



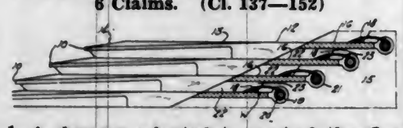
1. In a device of the class described, an air control unit adapted for assembly beneath the tuyère blocks of a stoker, said unit comprising a framework consisting of a pair of side walls and a series of cross members extending between said side walls in slightly spaced relation defining a series of relatively narrow passages, a series of damper units mounted adjacent said passages and forming with said side walls communicating passages to said first mentioned passages, each of said damper units comprising a pair of interconnected damper elements, one of the elements of each of said pairs of damper elements forming one wall of its associated communicating passage and being subjected to the pressure of the air therein, while the other of said elements forms one wall of the communicating passage to an adjacent one of said first mentioned passages and is subjected to the pressure therein, whereby said damper units will be actuated to open or closed position, depending upon the intensity of the pressures acting at the opposite sides thereof.

2,255,682

FLUID CONTROL SYSTEM

William V. Sauter and Howard F. Lawrence, Philadelphia, Pa., assignors to American Engineering Company, Philadelphia, Pa., a corporation of Pennsylvania

Original application May 18, 1935, Serial No. 22,217. Divided and this application June 16, 1938, Serial No. 213,989
6 Claims. (Cl. 137—152)



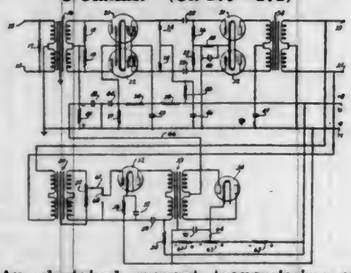
1. A damper adapted to control the flow of fluid in a passage, said damper being pivoted at one end thereof and so arranged that when in fully open position lies adjacent one wall of said passage, said damper having one surface thereof in contact with the fluid flowing through said passage, the said surface of the damper in contact with the fluid being so constructed and disposed that an area of low pressure is created on said surface when fluid is moving in said passage, the pressure so produced being in inverse proportion to the velocity of the fluid flowing in said passage, whereby when the velocity of the fluid reaches a predetermined value, the difference in pressures operating at the opposite sides of said damper will cause it to move toward closed position to throttle the flow of fluid in said passage.

2,255,683

TRANSMISSION CONTROL SYSTEM

Kurt Singer, Burbank, Calif., assignor to Radio Corporation of America, a corporation of Delaware

Application March 24, 1939, Serial No. 263,884
5 Claims. (Cl. 179—171)



1. An electrical current transmission system having input terminals and output terminals, an electrical current amplifier intermediate said input and output terminals, said amplifier having a normally constant gain, a second amplifier connected to the output of said first-mentioned amplifier and having a constant gain, a potential source for the anodes of said amplifiers, a rectifier connected to said second amplifier, means for connecting the output of said rectifier to said first-mentioned amplifier, the output of said rectifier varying the gain of said first-mentioned amplifier, means for initially biasing said rectifier at a predetermined negative value for selectively determining when said rectifier begins to vary the gain of said first-mentioned amplifier, means for obtaining said rectifier bias from said potential source, and means for adjusting the input level to said second amplifier for selectively determining the rate at which said rectifier varies the gain of said first-mentioned amplifier, said means for initially biasing said rectifier for selectively determining the point at which said rectifier varies the gain of said amplifier comprising a variable potentiometer having a fixed section and a variable section, said fixed section preventing the flow of initial inherent emission current in said rectifier at no signal input.

2,255,684

MASSAGING DEVICE

George A. Smith, Baltimore, Md.

Application February 4, 1939, Serial No. 254,551
4 Claims. (Cl. 128—40)



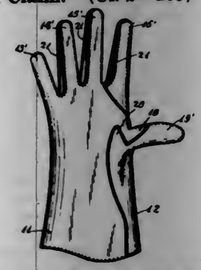
2. A body comprising a valve chamber with a valve therein, a motor connected with said valve, a suction cup or series of cups connected with said body and communicating through the valve with a coupling for attaching it to a suction-producing mechanism, the motor being operated by this suction and operating the valve for intermittingly exhausting the suction cup or cups.

2,255,685

GLOVE

Frank Sperandeo, Brooklyn, N. Y.

Application November 1, 1939, Serial No. 302,306
1 Claim. (Cl. 2—169)



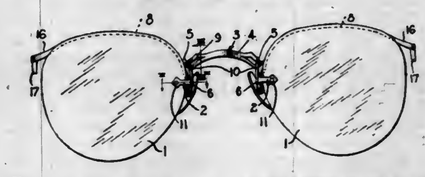
In a glove formed from a one piece trank and having a central panel and integral side panel provided with finger pieces, said side panel having a curved continuous outer edge interrupted with a projecting integral quirk portion, a second side panel projecting from the other side of said central panel and having a finger piece for the index finger and complementary thumb pieces and a side curved portion adapted to mate with the complemental curved edge of the other side panel, and said quirk portion being bent upwards and jointed to complementary edges formed in the front layer of the thumb at its base, the front thumb piece being formed with a cutout area forming edges to which the edges of the quirk portion are secured.

2,255,686

OPHTHALMIC MOUNTING

Edward M. Splaine, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts

Application November 1, 1938, Serial No. 238,172
4 Claims. (Cl. 88—47)



1. In lens supporting means, associated bridge means, lens holding means and temple supporting means, said temple supporting means being connected to the lens supporting means adjacent the lens holding means and adapted to extend along the upper contour edges of the lenses when in position thereon and terminating in temple connections, said lens holding means being adapted to be resiliently connected with the lenses and said bridge means comprising a resilient central portion for spanning the nose and to lie substantially in the plane of the lenses and having depending end portions connected with the lens holding means and adapted to lie substantially normal to the plane of the lenses and reinforcing means secured at their ends to the depending portions of the bridge means and to said temple supporting members at points spaced from the lens holding means to tend to prevent any accidental displacement of said temple supporting members adjacent the bridge and to provide increased rigidity at the side of the bridge for transmitting shock and strain received by said temple supporting members to said resilient portion of the bridge.

2,255,687

OPHTHALMIC MOUNTING

Edward M. Splaine, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts

Application June 20, 1939, Serial No. 280,134
2 Claims. (Cl. 88—41)



1. A supporting structure for the lenses of an ophthalmic mounting comprising a bridge member having a central arch portion and relatively long depending side portions, lens holding means shaped to be secured to a pair of lenses adjacent the upper nasal sides of said lenses and having a portion shaped to overlie a side surface of the lenses and a portion shaped to overlie an edge surface of said lenses, relatively long and slender temple supports each having a portion shaped to follow substantially the upper contour shape of each respective lens and terminating on the outer temporal ends thereof in temple hinge connections located adjacent the outer upper temporal sides of the lenses when in position thereon and having, on the nasal sides thereof, an integral intermediate attachment portion comprising a forwardly looped portion secured to the portion of the lens holding means shaped to overlie the

edge of the lens and having a portion curving rearwardly and downwardly to produce an integral depending portion following substantially the adjacent contour edge of the lens, said depending portion being secured adjacent the lower end thereof to the lower end of a side portion of the bridge member, and a nose pad supporting portion extending rearwardly from adjacent said point of attachment of said side portion of the bridge member to said depending portion of the long and slender temple support and terminating in a nose pad supporting end, said portion of the long and slender supports shaped to follow substantially the upper contour shape of the lenses and said integral depending portion adjacent the nasal sides of the lenses having the major portions thereof disposed in the rear of the plane of the lenses with the lower ends of said integral depending portions of the temple supports and said nose pad supporting arms lying in the rear of the depending side portions of the bridge member when the lens holding means is in position on the lenses.

2,255,688

ADJUSTABLE SPRINKLER FOR LAWNS

Vincent Tavone, East Paterson, N. J.

Application August 16, 1939, Serial No. 290,376

1 Claim. (Cl. 299—145)



In a lawn sprinkling device, a vertically disposed hollow body, the wall of said body at the upper end thereof forming an upwardly directed nozzle, a bridge affixed across the interior of said body intermediate the ends thereof, said bridge having openings therethrough, a first hollow pipe having its lower end affixed to said bridge, the upper end of said first hollow pipe projecting above the upper end of said body, the outer diameter of said first hollow pipe being substantially less than the inner diameter of said nozzle whereby to allow passage of water therebetween, a second hollow pipe concentric with the first hollow pipe and having an outer diameter substantially less than the inner diameter of said first hollow pipe, means fixedly mounting the lower end of said second hollow pipe on said bridge, the upper end of said second hollow pipe extending substantially above the upper end of the first hollow pipe, each of said hollow pipes and the space therebetween communicating with the portion of said hollow body below said bridge, threads on the upper portions of each of said hollow pipes, deflector members threaded to each of said hollow pipes for selectively throttling the openings surrounding said pipes, said second hollow pipe having inner threads in the top thereof and a bolt having grooves in the lower portion thereof threaded to the threads in the top of said second hollow pipe for selectively closing said second hollow pipe.

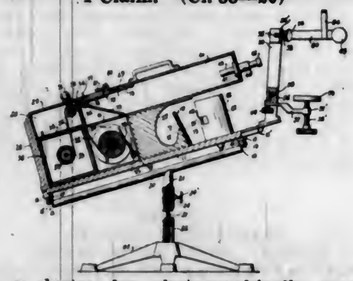
2,255,689

MEANS OF RECORDING EYE MOVEMENTS

Carl C. Taylor and James Y. Taylor, Brownwood, Tex., assignors to Educational Laboratories, Inc., Brownwood, Tex., a corporation of Texas

Original application February 13, 1937, Serial No. 125,674. Divided and this application October 7, 1938, Serial No. 233,782

1 Claim. (Cl. 88—20)



In a device for photographically recording movements of each of the eyes of an individual simultaneously, the combination of means for locating the head of the individual in a given position, means for directing a beam of light onto the corneas of the eyes at said given position to produce light reflections from said corneas, a dark chamber, light sensitive means supported for movement in said dark chamber and for exposures of separate portions thereof to the light reflected from the respective corneas, said dark chamber, on the side thereof toward the individual, having a relatively flat wall with spaced openings therein aligned substantially with each of the respective eyes of the individual, tubular members in said openings comprising telescoping parts supported for longitudinal movement relative to each other, one of each of said parts having a focussing lens therein and the other having a relatively flat surrounding disc-like flange portion protruding outwardly thereof in a direction substantially normal to the longitudinal axis of said part and of a diameter greater than the diameter of the openings in the relatively flat wall of the dark chamber and disposed in the rear of the inner surface of said wall adjacent the respective openings, perforated plates spaced from said flat wall and each engaging a respective disc-like flange portion on the side thereof opposite the wall, resilient means for urging said perforate plate into frictional side surface relation with the disc-like flange portion, said resiliently urged perforate plate providing slide means for supporting said disc-like flange portions in the respective openings in the wall of the dark chamber whereby said telescopic tubular members may be moved sidewise relative to each other in a single plane in a direction substantially laterally of the longitudinal axis of said telescoping portions and with the axes of said telescoping portions remaining substantially parallel with each other in at least one plane of movement to receive the reflected light from each of the corneas, said tubular parts being adjustable telescopically to focus the light onto the exposed portions of the light sensitive means, said dark chamber having a window opening in a side wall thereof, a light receiving screen in said opening, light reflective means pivotally supported internally of the said housing for receiving light from said light focusing means for directing it onto said screen, said reflective portion of the reflective means being spaced relative to the screen a distance substantially equal to the space between the exposed portions of said

light sensitive means and said reflective portion of the reflective means whereby the light may be initially focused on said screen, the said reflective means being movable to close said window opening and to allow the focussed light to reach the light sensitive means, eye fixation means supported externally of the dark chamber for exposure to the eyes to bring about binocular movements of the eyes while viewing the same and means for moving the light sensitive means when receiving said corneal reflections when the eyes are viewing said fixation means to record the displacements of the images of the light reflected from the corneas substantially in the plane of the moving portions of the light sensitive means caused by the respective eyes during the viewing of said fixation means to obtain a record of the eye movements by reference to the image movement track of the respective eyes as produced by said reflected light from the corneas of the eyes on said light sensitive means.

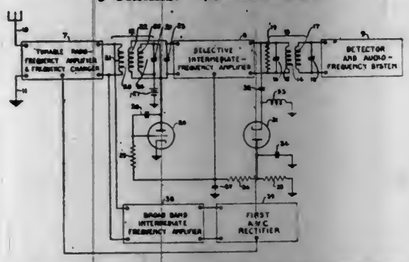
2,255,690

BAND-PASS SELECTOR

Harold A. Wheeler, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware

Application October 22, 1935, Serial No. 46,081

9 Claims. (Cl. 250—20)



1. In a modulated carrier signal receiver, a band-pass selector for selecting a desired signal comprising a carrier frequency and a band of modulation frequencies, means for adjusting the width of the band of frequencies passed by said selector, means for automatically controlling said adjusting means to expand and contract said band respectively with increasing and decreasing amplitude of the desired signal input to said selector, and means for automatically adjusting the amplitude of said desired signal input inversely in accordance with the amplitude of the input to said receiver of an undesired signal having a carrier frequency near the carrier frequency of said desired signal, whereby said band is contracted sufficiently to substantially limit the amplitude of the undesired signal output from said selector.

2,255,691

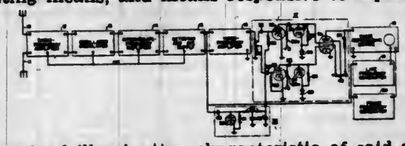
TELEVISION SIGNAL-TRANSLATING SYSTEM

John C. Wilson, Bayside, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware

Application January 14, 1939, Serial No. 250,914

12 Claims. (Cl. 178—7.3)

1. A television signal-translating system comprising means for translating a television signal including an input element and means for applying to said element the video-frequency and background-illumination components of said signal with predetermined amplitude values thereof corresponding substantially to the black and white shade values of the transmitted pictures, means for adjusting the gamma of said translating means, and means responsive to a predetermined illumination characteristic of said signal for controlling said adjusting means in accordance therewith.



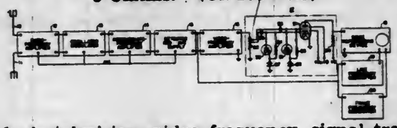
2,255,692

TELEVISION SIGNAL-TRANSLATING SYSTEM

John C. Wilson, Bayside, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware

Application January 27, 1939, Serial No. 253,040

3 Claims. (Cl. 178—7.3)



1. A television video-frequency signal-translating system comprising, a signal-translating means, means for applying to said translating means a television signal including video-frequency and unidirectional background-illumination components for translation thereby, means for separately applying said signal to said translating means instantaneously to modify the signal-transfer ratio thereof in accordance with the instantaneous values thereof, thereby to effect a predetermined distortion of the wave form of the translated signal, and an output circuit for said translating means including means for developing therein the video-frequency and background illumination components comprising the distorted translated signal.

2,255,693

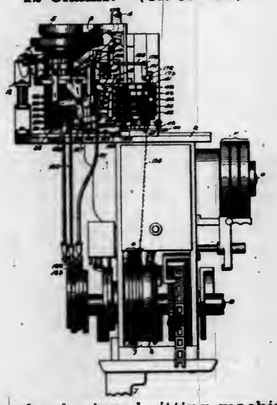
PATTERN-PRODUCING CIRCULAR KNITTING MACHINE

Frank E. Jones, Pawtucket, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts

Application March 6, 1926, Serial No. 92,746

Renewed November 9, 1934

12 Claims. (Cl. 66—50)



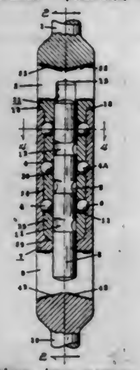
1. A circular hosiery knitting machine of the

rotating needle cylinder type having in combination, a circular series of needles, jacks in the respective grooves of said needles below the same and having movement independent thereof, each of said jacks having a lowermost butt and each of said jacks having thereabove one or a greater number of spaced butts according to the pattern effect to be produced, a cam adapted to act upon the lowermost butts of all the jacks, a series of selective cams above the first mentioned cam and adapted respectively to act upon the spaced butts of said jacks, a pattern drum mounted at one side of the needle cylinder and having a series of cams respectively controlling the jack butt operating cams.

2,255,694
DISINFECTANT COMPOSITION
Edward B. Beale, Rockville, Md.
No Drawing. Application October 12, 1937, Serial No. 168,665
16 Claims. (Cl. 167—43)

5. A composition of matter primarily adapted for disinfecting the interior and porous surfaces of shoes made essentially of leather and the like, which consists of an emulsion, one phase of which comprises an oil which is characterized by being readily emulsifiable, readily absorbed by leather and when absorbed by leather by having the qualities of softening the leather and protecting it against the deleterious effects of moisture, the other phase of which comprises a water solution of a water-soluble disinfectant substance, the said disinfectant substance being characterized by having the power to inhibit and destroy the anaerobic organisms responsible for "athlete's foot."

2,255,695
SUCKER ROD LOCKING MEANS
Clinton H. M. Bull, Grove City, Ohio
Application May 12, 1938, Serial No. 207,626
2 Claims. (Cl. 287—119)

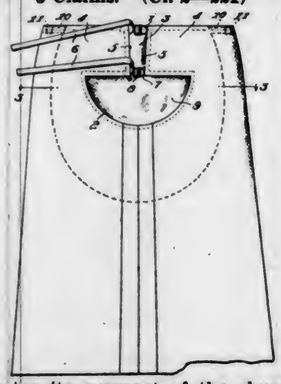


1. In combination, two pump rod sections, one of said rod sections having locking means disposed adjacent one end thereof for interlocking said end with an end of the other of said rod sections, each of said rod sections having an axially extending opening formed therein adjacent said ends; a member disposed in said openings and adapted to be moved axially for actuating said locking means, each of said rods having a transverse opening intersecting the axial opening for receiving a tool for actuating said member, said member having a part thereof extending into one of said transverse openings when the said locking means is actuated to interlock said rod sections and having a part extending into the other of said transverse openings when the locking means is actuated to unlock said rod sections.

2,255,696
MEANS FOR SAFEGUARDING BANK NOTES, BONDS, AND LIKE DOCUMENTS OF VALUE FROM FRAUDULENT IMITATION
Sydney George Clifford, London, England, assignor to Waterlow & Sons Limited, London, England, a company of Great Britain
No Drawing. Application April 5, 1938, Serial No. 200,268
16 Claims. (Cl. 91—67.95)

1. A method of safeguarding banknotes, bonds and like paper documents of value against fraudulent imitation which consists in incorporating in the paper a finely divided solid substance which is practicaly colorless in ordinary light, fluorescent in ultra-violet light, insoluble in water and fast to light and to laundering, dry cleaning and ink eradicating agents, and protecting said substance against mechanical removal from the paper by a transparent flexible solid film which is insoluble in laundering and dry cleaning agents and sufficiently strong to resist the customary handling of paper.

2,255,697
MATERNITY GARMENT
Goldie Cohn, Dallas, Tex.
Application February 6, 1940, Serial No. 317,592
3 Claims. (Cl. 2—221)

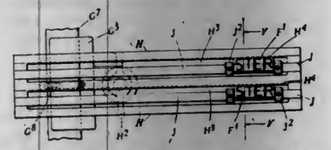


1. A maternity garment of the character described, comprising a skirt, means facilitating changing the waist size of the skirt, the front of the skirt having an opening over and of a size to take in a major portion of the abdominal area, the lower edge of the opening being curved to substantially conform to the contour of the lower part of the abdomen, and a panel member separate from the skirt and larger than and covering said opening upon the inner side of the skirt and adjustably attached at its top to and suspended from the skirt above the opening to cover the latter and have movement independently of the skirt.

2,255,698
ENGRAVING MACHINE
Ernest Albert Cooke, Leicester, England, assignor to Kapella Limited, Leicester, England, a company of Great Britain
Application October 25, 1939, Serial No. 301,292
In Great Britain October 20, 1938
8 Claims. (Cl. 90—62)

1. A copyholder for an engraving machine,

comprising a support carrying two laterally spaced guides upon and between which the copy rests, one of said guides having a plane support-



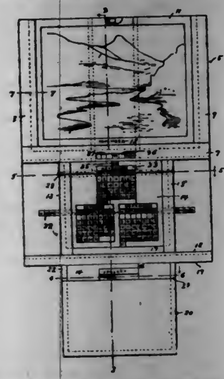
ing surface which makes plane surface contact with the copy whilst the second guide has a curved supporting surface which makes line contact with the copy.

2,255,699
ENGRAVING MACHINE
Ernest Albert Cooke, Leicester, England
Application April 3, 1940, Serial No. 327,719
In Great Britain October 20, 1938
3 Claims. (Cl. 90—62)



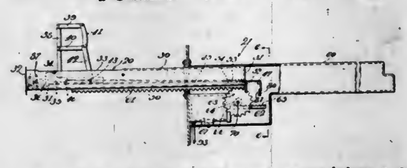
1. For use in engraving machines, a copy element of triangular cross-section having three flat faces at least one of which bears a character or the like and two end faces at right angles to the said three faces for bearing against adjacent copy elements.

2,255,700
PERPETUAL CALENDAR
James Moir Crabb, Sr., Lockport, Ill.
Application March 7, 1940, Serial No. 322,827
10 Claims. (Cl. 40—109)



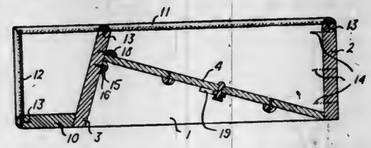
1. A calendar of the type described, said calendar comprising a backboard, a pair of vertically spaced horizontal slides extending on the face of said backboard, a horizontally slidable frame mounted between said slides, said frame comprising a plate having upper and lower openings, an upper week-day line on the face of said backboard for showing through the upper opening, a lower week-day line on the face of said backboard for showing through the lower openings in said plate, a month card, vertical slides on said frame for slidable reception of the month card, said month card having upper and lower openings to register with the openings in the plate of said frame.

2,255,701
MOTOR VEHICLE TURN SIGNAL
Frank O. Duncan, Oklahoma City, Okla.
Application July 6, 1939, Serial No. 283,094
4 Claims. (Cl. 116—39)



1. A vehicle signalling device comprising a casing horizontally slidingly mounted in parts of a vehicle in a manner whereby, during sliding thereof, an end portion of the casing may be moved into exposed position projecting from the vehicle side; a plurality of selectively erectable signals, mounted on and normally retracted within parts of said casing but upon occasion, movable into exposed erect character-displaying position, means for holding said signals in retracted position within said casing; and means for imparting sliding motion to said casing comprising a hydraulically actuated reciprocable piston, an axially extending first toothed rack mounted on said piston, a differential gear engaging with said first rack and a second tooth rack, engaging with said gear, mounted on parts of said casing whereby relatively small movement of said piston results in relatively large movement of said casing.

2,255,702
SHOW WINDOW DISPLAY CASE
Oliver W. Gannaway, Chattanooga, Tenn.
Application January 3, 1939, Serial No. 249,141
1 Claim. (Cl. 312—118)

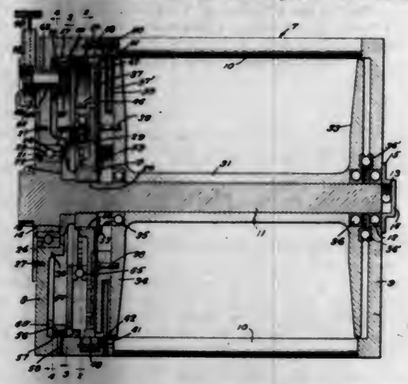


A display case of the character described comprising sides and ends defining a chamber, a partition element disposed therein and extending upwardly and rearwardly dividing said chamber into front and rear compartments, strips mounted on the rear face of said partition, and a bottom for said rear compartment having ends engageable with said strips to interlock and support them, and means engageable in recesses in the sides for removably securing said bottom in position.

2,255,703
FISHING REEL
Frederick M. Grieten, Miami, Fla.
Application December 21, 1938, Serial No. 247,121
9 Claims. (Cl. 242—84.5)

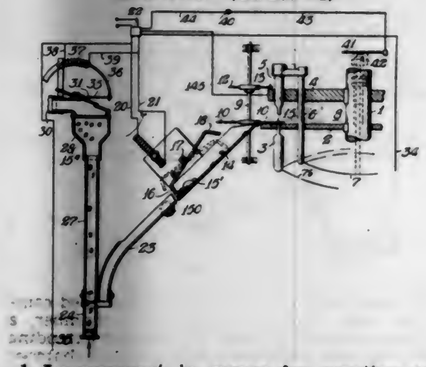
8. A fishing reel comprising a housing, a shaft journalled therein, a spool rotatable on said shaft and having line confining flanges extending from opposite ends thereof, a friction disk secured to one of said flanges, a friction plate slidable axially on said shaft, cam means mounted for rotation adjacent the end wall of said housing, means coacting with said cam means for moving said cam means axially upon rotation thereof, means cooperating with said cam means to transmit

axial movement to the friction plate and means



for rotating said cam means to move said plate rapidly into braking contact with said disk.

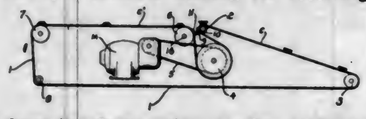
2,255,704
MEANS FOR COUNTING, PORTIONING, AND PACKING MATTER AS TABLETS, PILLS, AND THE LIKE
Morten Hansen, Oslo, Norway
Application September 19, 1938, Serial No. 230,706
In Norway September 20, 1937
11 Claims. (Cl. 107—4)



1. Improvement in means for counting and apportioning matter as tablets or pills of any kind and shape, as they are delivered shaped from a press, comprising a reservoir, means for moving each tablet immediately as ready from said press to said reservoir, means synchronized with said moving means, adapted at predetermined intervals to empty the said reservoir, a second reservoir, adapted to receive the tablets from said first mentioned reservoir, and means in connection with the said second reservoir adapted to agitate the tablets, when received in the same.

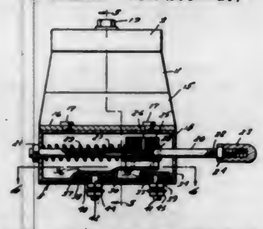
2,255,705
APPARATUS FOR INSPECTING CROWN CAPS
Laurence V. Hare, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application September 14, 1940, Serial No. 356,848
1 Claim. (Cl. 198—33)

An apparatus for the inspection of container caps comprising two inspection conveyor sections arranged in tandem and substantially in alignment, one of which delivers caps to the other, pulleys spaced from each other over the adjacent faces of which said conveyor sections pass, a device disposed between the pulleys and the conveyor sections thereon for receiving the



caps from the first section on edge, and magnets associated with the pulley over which the second section runs for lifting the caps from said device onto the second conveyor section reverse side up, said conveyor sections being dimensioned so as to carry a plurality of rows of caps.

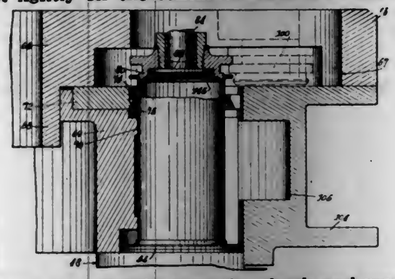
2,255,706
AUTOMATIC LATHE STOP SWITCH
Leon H. Height, Spring Lake, N. J.
Application March 6, 1941, Serial No. 382,069
1 Claim. (Cl. 200—47)



A switch for mounting on the bed of a lathe and operation by a lathe part movable along said bed, said switch comprising a housing, an elongated rod extending horizontally through said housing and endwise movable therein from a normal position, a head on said rod adapted to be engaged by said movable part whereby said rod is moved in one direction, a block of insulation material fixed on said rod within said housing for movement with the rod, a pair of plate-like contacts on the bottom of the housing spaced apart lengthwise of the rod, an elongated bridging conductor of flat strip metal fixed to the bottom of said block and having an end slidable over one of said plates and the other end thereof abutting one side of the other plate in the normal position of said rod, spring means tensioning said rod against movement in said one direction, and means to mount said housing on said bed.

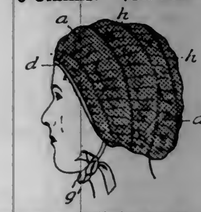
2,255,707
MACHINE FOR DRAWING A VACUUM IN AND SEALING FILLED CONTAINERS
Alfred L. Kronquest and Otto A. Schmitt, Syracuse, N. Y., assignors to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application September 20, 1938, Serial No. 230,870
17 Claims. (Cl. 113—23)

1. In a machine of the character described, a turret having container receiving pockets therein each open at the bottom and communicating at the top with a sealing chamber portion, container sealing means in each chamber portion including a chuck, means for supporting a cover in each pocket, means for supporting and lifting containers in the pockets and movable to seal the bottoms of the pockets and lift the covers from their supports and move them on the containers into engagement with the chuck, means for holding each cover on each upwardly moving can and movable away to free the cover to rest lightly on the container when the cover is



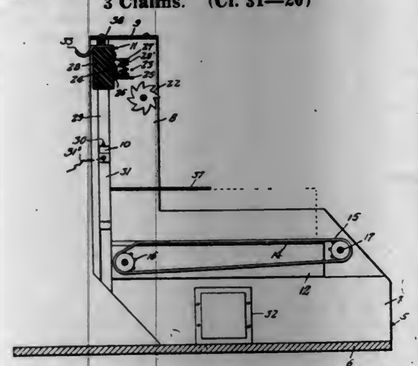
spaced only slightly from the chuck and means for controlling the drawing of a vacuum in each container while the cover is resting lightly on the container.

2,255,708
SLEEPING CAP AND NET
George Abe Laughton, Birmingham, England
Application September 10, 1940, Serial No. 356,232
In Great Britain September 13, 1939
6 Claims. (Cl. 132—49)



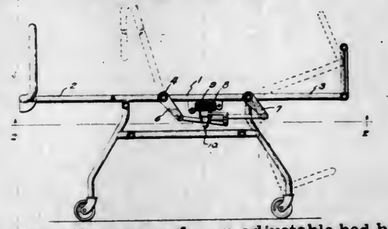
1. A sleeping or toilet cap or net comprising a bonnet like form the material of which is made full and expansible in substantially parallel zones by suitable stitching process using an elastic thread in lines running over the crown and down the sides of the cap.

2,255,709
ELECTRIC BUTTER SLICER
Alonzo D. MacDonell, Tulsa, Okla.
Application September 8, 1939, Serial No. 294,012
3 Claims. (Cl. 31—20)



1. An electric butter slicer comprising a horizontally arranged frame, vertically arranged uprights connected with the sides of the frame adjacent one end thereof and having vertical grooves in their inner faces, a member of insulating material having its ends slidably arranged in the grooves, spring means for normally holding the member in raised position, metal bars depending from the member and located in the grooves and spaced from the bottoms of the grooves, a wire extending between the bars and having its ends connected with the lower ends of said bars, spring contact strips in the lower portions of the grooves and engaged by the bars when the member is moved downwardly, means for connecting said contact strips to a source of supply to furnish current to the wire to heat the same when the bars engage the contact members, horizontally arranged conveying means in the frame for moving a piece of butter to place the end thereof between the uprights, and means for actuating the conveying means.

2,255,710
INVALID BED
Rudolph C. Miller, Beaumont, Tex.
Application December 12, 1940, Serial No. 369,887
3 Claims. (Cl. 5—68)



1. Operating means for an adjustable bed having a central fixed section and hinged head and foot sections comprising a base plate adapted to be secured to the under face of the fixed section and to extend from side to side thereof, a downwardly directed stub shaft positioned centrally of said plate, worm gears independently and rotatably mounted on said shaft, each gear having fixed thereto a laterally directed lever, spaced shafts extending from side to side of the bed supported from said plate with worms on said shafts for engaging said gears respectively, means for rotating said shafts, levers carried by the hinged head and foot sections and links connecting the gear levers to said section levers.

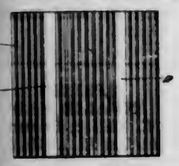
2,255,711
PNEUMATIC FOOTBALL TRAINING MACHINE
Robert A. Noor, Tuscumbia, Ala.
Application December 28, 1939, Serial No. 311,422
9 Claims. (Cl. 265—20)



1. A football practice apparatus comprising crossbeams, supporting means therefor, a longitudinal beam supported by the crossbeams, a cylinder mounted by the longitudinal beam, a piston operable in the cylinder, a dummy, a carriage for the dummy, said carriage and dummy

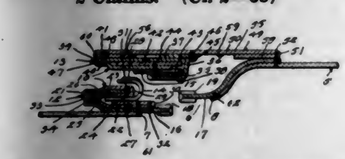
being bodily movably mounted on the longitudinal beam, flexible connections passing into the cylinder and directly connected to the piston, said flexible connections extending from the piston to the carriage, guide means for said flexible connections mounted on the crossbeams, and means to indicate air pressure produced in the cylinder caused by impact of a player with said dummy.

2,255,712
TILE
Norris E. Phillips, Olean, N. Y., assignor to Olean Tile Company, Olean, N. Y., a corporation of New York
Application July 18, 1940, Serial No. 346,215
1 Claim. (Cl. 72—18)



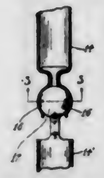
A tile, the major portion of one surface at least of which is made up of corrugations or serrations, the surfaces of which are roughened throughout to present an extended area of uneven markings including tiny pits and ridges into which the cement can "grow" when the tile is placed in position.

2,255,713
GARMENT CLOSURE
Philip H. Robbins, New York, N. Y., assignor to Poirette Corsets, Inc., New York, N. Y.
Application June 10, 1940, Serial No. 339,803
2 Claims. (Cl. 2—38)



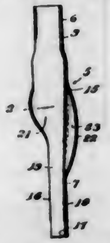
1. In a closure structure for an opening in the body of a garment, an elongated transversely elastic strip constituting a base member for extension across and for disposing rearwardly of the opening in the garment, a primary fastener means outwardly of said member formed of a front and a rear inelastic section shiftable relative to each other adapted to be normally disposed in spaced overlapping relation and including correlated elements for detachably fastening said sections in overlapping abutting relation to close said opening when said sections are shifted relatively to each other, means for securing said inelastic rear section to a portion of said base member to form the latter with an inelastic part and an elastic part, a secondary combined fastener and closure means arranged adjacent the said primary means and including a pair of opposed interengageable fastener parts adapted for closing the opening in the garment in addition to and for concealing the said sections in overlapping abutting relation, means for securing one of said parts of said secondary means to said body adjacent an edge of the opening of the latter, means for securing said one part to said front section, means for securing the other of said parts of said secondary means to said body in proximity to another edge of the opening in the body, and means for securing the inner side of the said other part of the elastic part of said base member and to said body.

2,255,714
SCREEN
Michael Rodelli, Brooklyn, N. Y.
Application May 29, 1940, Serial No. 337,901
3 Claims. (Cl. 156—10)



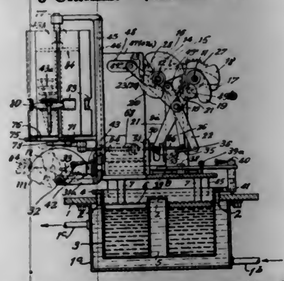
1. A screen comprising a plurality of adjoining flexible units adapted to be attached at their upper end and to hang loosely therefrom, each unit being composed of a plurality of tubular elements connected end to end to one another to form a chain-like structure, each element having at one end the male member of a spherical joint and at the other end a cluster of spring acting prongs bent to form the female member of a corresponding spherical joint, adapted to engage the male member of the adjoining end of an adjoining element.

2,255,715
DUSTPAN
Roy Samms, Charleston, W. Va.
Application December 21, 1940, Serial No. 371,187
3 Claims. (Cl. 65—62)



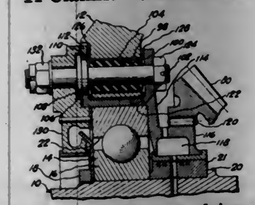
3. In a device of the character described, a body adapted to be attached to a broom for reinforcing the tie members securing the panicles of the broom-head in contrusion and with said body constituting a resilient apron provided at one end with clamping means for clamping engagement about a broom-stick and at the opposite end with a floor engaging edge, said apron adapted for overlying engagement with one face of the broom-head and provided with laterally disposed members for embracing the sides and the margins of the opposite face of said head, said apron having an outer face provided with a convex ajutment transversing the apron and an inner concave face defining a sump in said apron and with said ajutment constituting means for urging said members toward each other when clampingly disposed about said head, and said ajutment, when said body is removed from said head, maintaining said edge straight and in appressed engagement with the floor and at an angle thereto to facilitate disposal of sweepings from said floor into said sump.

2,255,716
MACHINE FOR THE AUTOMATIC DELIVERY OF FROZEN NUTRIENT MATERIALS AND SIMILAR READILY MELTING MATERIALS
Nathan Schack and Hans Eberhart, St. Gall, Switzerland; said Eberhart assignor to said Schack
Application August 19, 1940, Serial No. 353,304
In Switzerland September 8, 1939
6 Claims. (Cl. 107—8)



1. In a machine for the automatic delivery of readily melting nutrient materials, a magazine for a store of said material, said store being initially provided with a shaft-like recess, an instrument for segregating portions of said material from a wall portion of said recess along the full height of the latter, means for effecting relative feed movement between said wall portion and said instrument for determining the quantity of the material portion segregated, and means for effecting relative movement between said store and said instrument for the latter to convey said segregated material portions to a position of delivery.

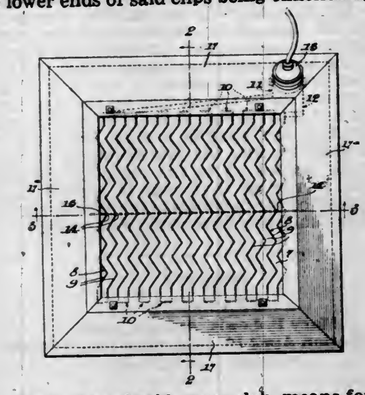
2,255,717
FLEXIBLE CONNECTION
John M. Tyler, West Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application March 21, 1939, Serial No. 263,177
11 Claims. (Cl. 74—303)



1. In an engine having a drive shaft and a casing provided with an aperture through which said drive shaft projects, an anti-friction bearing surrounding said drive shaft within said aperture, said anti-friction bearing being subject to loads both radially and axially of said drive shaft, resilient means for transmitting said radial loads to said casing, and means movable with respect to said casing for transmitting said axial loads thereto.

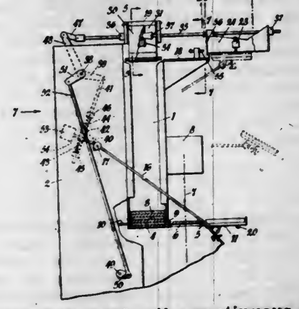
2,255,718
TIRE GROOVING MEANS
John Van Vorst, Frankfort, N. Y.
Application August 26, 1939. Serial No. 292,143
2 Claims. (Cl. 219—29)

1. In a tire grooving device, a flat body formed of upper and lower insulating slabs lying one upon the other, electrical resistance elements of flat cross section standing on edge on said upper slab, U-shaped clips straddling said resistance elements and passing through said upper slab, the lower ends of said clips being clinched against



the lower side of said upper slab, means for holding said slabs in assembled relation, and current-conducting means for said resistance elements connected to cause flow of current longitudinally therethrough.

2,255,719
APPARATUS FOR THE CONTINUOUS AUTOMATIC PROJECTION OF PHOTOGRAPHIC TRANSPARENCIES AND THE LIKE
Percy Stuart Warriner, Doncaster, England
Application June 3, 1940, Serial No. 338,638
In Great Britain June 7, 1939
7 Claims. (Cl. 88—28)



1. An apparatus for the continuous automatic projection of "slides" as herein referred to, comprising in combination a vertical slide magazine in which the slides are accommodated in a pile with the plane of the slides horizontal, means for ejecting the lowermost slide of the pile from the magazine by a movement in its own plane to a position in which it is over an aperture through which a beam of light is projected in a vertical direction, a slide carrier reciprocatable from a lowered position in which it can receive a slide pushed on to it by a movement in its own plane from said position over said aperture, to a raised position in which it registers with a slide reception platform on to which a slide in position on the carrier can be pushed therefrom by a movement in its own plane, jaw means positioned vertically over the magazine for the temporary reception of a slide pushed into it by a movement in its own plane from the reception platform,

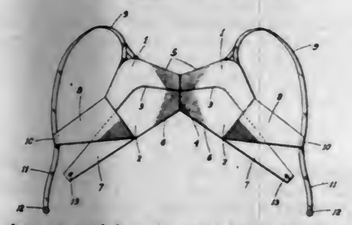
said jaw means being automatically operable so as first to close, for the reception of the slide, and then to open, for the release of the slide, which thereupon drops back into the magazine, means for reciprocating the carrier, means for pushing the slide off the carrier on to the reception platform and means for operating the jaw means, the arrangement being such that the slide is pushed from said position in which it is over said aperture on to the carrier by the next slide to be pushed into said position from the magazine and similarly the slide is pushed from the reception platform into the jaw means by the next slide to be pushed on to the reception platform from the carrier as that slide is pushed therefrom and all of the moving parts of the apparatus operate in timed sequence with one another.

2,255,720

BRASSIÈRE

Mary P. Lewis, Auburn, Calif.

Application April 10, 1939, Serial No. 267,096
5 Claims. (Cl. 2—42)



1. As an article of manufacture, a brassière including a pair of breast pockets secured together at adjacent ends, a pair of separate back extensions formed on and extending from the outer end of each breast pocket, said extensions of each pair terminating at their outer ends in vertically spaced relation, and shoulder straps each connected at one end to a breast pocket and intermediate its ends to the outer end of one of the corresponding back extensions; the other end portions of said straps crossing each other and being detachably connected to the other and opposite back extensions at the outer ends thereof.

2,255,721

WELL DRILLING CONTROL DEVICE

Harold W. Mattingly, Los Angeles, Emmett M. Irwin, Pasadena, George E. Lewis, Alhambra, Richard H. Duval, Pasadena, Ray M. Chenoweth, West Los Angeles, and Cecil L. Whitehead, Pasadena, Calif., assignors to Cooperative Development Co., Los Angeles, Calif., a corporation of California

Application February 6, 1939, Serial No. 254,794
15 Claims. (Cl. 255—1)

1. In a device for determining the angular position of a well tool insertable in a well bore and having a tool reference point thereon, the combination of: a housing having a housing reference point thereon; means mounting said housing upon said well tool with said housing reference point in a predetermined angular position relative to said tool reference point; a device in said housing for at any time measuring the angular relation between a predetermined compass direction and the location of said housing reference point; timing means in said housing for defining a time cycle; signal producing means in said housing; and means coacting with said timing means for actuating said signaling means to produce a pair of signals, the relative position of which in said time cycle are representative of



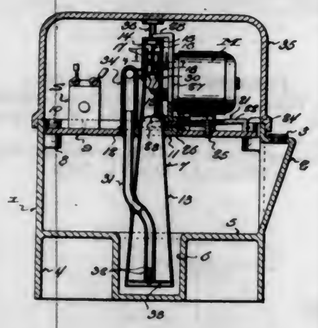
the angular disposition of said housing reference point relative to said predetermined compass direction.

2,255,722

POWER ACTUATED SOAP DISPENSER

John Frederick Palmer, Waukesha, Wis.

Application May 5, 1939, Serial No. 271,977
2 Claims. (Cl. 261—121)



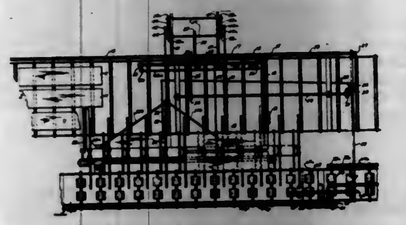
1. A power-actuated sudser and dispenser for liquid soap comprising, a reservoir, a sudsing and dispensing mechanism extending into said reservoir and comprising, a cap detachably mounted on the reservoir, a conical shell extending through said cap and terminating at its enlarged lower end closely adjacent the bottom of said reservoir, the lower end of said shell having restricted communication with said reservoir, a detachable sleeve mounted on the upper end of said reservoir, a plug detachably secured in the upper end of said sleeve and having a depending shank provided with spaced baffles for converting a liquid soap into suds, a tube extending through said cap and into said shell, said tube terminating adjacent the bottom of said shell and being provided with a restricted outlet at its lower end, and an electric motor-driven compressor for supplying air to said tube for forcing soap upwardly through said shell and baffles to convert the liquid into suds and dispense the same.

2,255,723

METHOD AND APPARATUS FOR TRANSFERRING AND DELIVERING LATH TO PERFORATING MACHINES

Louis N. Sorensen, Port Clinton, Ohio, assignor to The Celotex Corporation, Chicago, Ill., a corporation of Delaware

Application December 15, 1939, Serial No. 309,370
23 Claims. (Cl. 164—87)



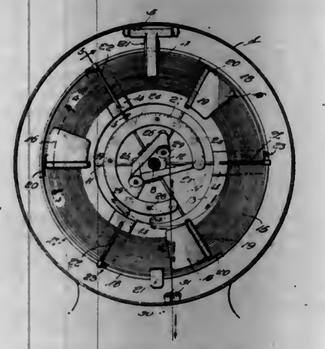
1. The combination of a main conveyer adapted to convey a line of articles along the same, an auxiliary conveyer beside the main conveyer, and means to select some of said articles from the main conveyer at predetermined intervals and transfer said selected articles from the main conveyer to the auxiliary conveyer according to the predetermined selection, for an additional operation on said selected articles.

2,255,724

MOVING PICTURE PROJECTING MACHINE

Joseph K. E. Sunell, Franklin Square, N. Y., assignor of one-half to Emil Nikolaus Nilsson, Franklin Square, New York

Application September 3, 1940, Serial No. 355,244
7 Claims. (Cl. 88—18.7)



1. In combination with a projecting machine magazine, a reel rotatably mounted in the magazine and having a removable side section formed with an open central portion, means for holding a roll of film in the reel with its inner periphery in position for unwinding of the film from its inner end and passage of the unwound film outwardly through the open center of the removable reel section, resilient fingers for engaging the roll at the inner periphery thereof and controlling unwinding of the film, and rollers mounted for movement into and out of position for guiding unwinding of the film and directing the film outwardly through the open central portion of the removable reel section and toward an outlet in the magazine.

2,255,725

KNOCK-OUT WINDOW SETTING FOR BUSSES AND THE LIKE

Joseph Edward Trescher, Guilford College, N. C., assignor to Continental Rubber Works, Erie, Pa., a corporation of Pennsylvania

Application July 11, 1940, Serial No. 344,866
3 Claims. (Cl. 296—44)



1. The combination with a vehicle window having a frame and a pane mounted therein of transparent material such as glass; of a strip of resilient material such as rubber surrounding the pane, said strip having a channel receiving the pane and a channel receiving the surrounding frame, the channel receiving the frame being more yielding than the channel receiving the pane, said strip yieldingly holding the pane in place but yielding to permit the bodily removal of the pane through yielding of the strip under abnormal thrust on the pane.

2,255,726

BASEBALL GLOVE OR MITT

Archibald J. Turner, Chicago, Ill., assignor to Wilson Sporting Goods Co., a corporation of Delaware

Application October 25, 1939, Serial No. 301,118
12 Claims. (Cl. 2—19)



1. A scyeless trank for a baseball glove or mitt having a palm region, vertical finger fronting thereabove, a palm heel at its bottom, a thumb front joined to the palm area at its base, a thumb back joined at one lateral edge to the lower lateral edge of the thumb front, the thumb front and back being disposed to extend downwardly and outwardly with the base of the thumb back abutting the palm region, and a slit extending upwardly and outwardly from the thumb end of the heel edge to sever the palm area from the base of the thumb back.

2,255,727

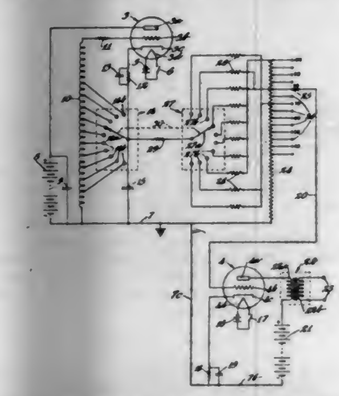
SIGNAL GENERATOR OUTPUT EQUALIZER

Ralph E. Allison, Minneapolis, Minn., assignor of one-half to W. E. Lehnert, Minneapolis, Minn.

Application February 23, 1939, Serial No. 258,118
3 Claims. (Cl. 250—36)

1. In an audiometer, the combination of a source of audio frequency signal energy consisting of, an electronic oscillator which is adjustable as to operating frequency and which is relatively deficient in energy output in some portions of its frequency range with a signal output attenuator device comprising, a main resistance element having respective ends constituting fixed

zero and maximum signal voltage level points thereon, said main resistance element consisting of a plurality of resistors connected in series and having junctions therebetween constituting respective intermediate signal voltage level points on said main resistance element, electrical switching means for selectively connecting a load circuit to any one of said maximum and inter-



mediate voltage level points, a plurality of electrical conductors of which at least one is connected to said maximum voltage level point and the remainder are respectively connected to selected ones of said intermediate voltage level points, electrical switching means for selectively connecting said source to any one of said conductors, and respective resistors interposed in series with at least some of said conductors.

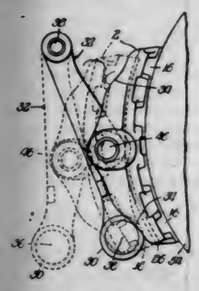
2,255,728

BRAKE ARRANGEMENT

Walter H. Baselt, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

Original application November 18, 1937, Serial No. 175,238. Divided and this application October 19, 1939, Serial No. 300,106

10 Claims. (Cl. 188—206)



1. In brake rigging a hanger lever having an end enlarged to accommodate a bushing, and a reversible brake head pivoted to said hanger and having an end adjacent the aforesaid end of said hanger, said brake head having parallel lateral flanges defining the walls thereof and conforming at each end to the shape of said enlarged end interposed therebetween to accommodate maximum relative angling of said head on said lever.

2,255,729

PURIFICATION OF VINYL AROMATIC RESINS

Edgar C. Britton and Walter J. Le Fevre, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application November 16, 1939, Serial No. 304,696

8 Claims. (Cl. 260—91)

1. The method of removing undesirable ingredients from a vinyl aromatic resin which comprises treating the resin with a liquid monohydric aliphatic alcohol containing more than 3 carbon atoms in its molecule to form a swollen mass of the resin and thereafter removing the alcohol from the resin.

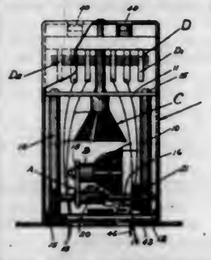
2,255,730

HIGH FREQUENCY COIL ASSEMBLY

Radford K. Frazier, Chicago, Ill., assignor to Bendix Radio Corporation

Application June 2, 1938, Serial No. 211,361

7 Claims. (Cl. 175—356)



1. An electrical inductor comprising a coil having a plurality of turns and determining an outwardly flaring surface toward its larger end, said coil having openings at each of its ends, and a magnetic core of finely divided comminuted magnetic material disposed within the opening at the smaller end of said coil and extending axially within said coil to a terminus substantially mid way between said ends, the extended end of said core being spaced from and out of contact with said coil.

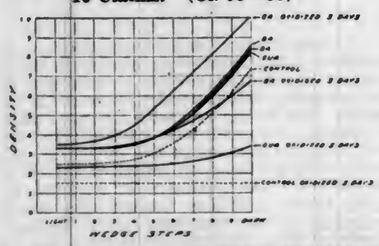
2,255,731

PHOTOGRAPHIC DEVELOPER

Garnet Philip Ham, Riverside, and Robert Bowling Barnes, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

Application March 15, 1940, Serial No. 324,098

10 Claims. (Cl. 95—88)



1. A silver halide photographic developer containing at least one silver halide developing agent, a soluble sulfite and an effective amount of an amidine salt of an aminobenzoic acid.

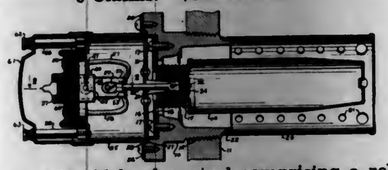
2,255,732

SWITCHING MECHANISM

Carl G. Kronmiller, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application April 18, 1938, Serial No. 202,632

6 Claims. (Cl. 200—84)



1. In a liquid level control comprising a relatively non-adjustable float universally flexibly secured to a screw plug mounting member, and a rod movable by said float in accordance with changes in the level of a liquid, the combination of; said screw plug mounting member adapted to be screwed into a liquid container adjacent the normal liquid level therein, an annular shoulder on said plug on the side exterior to the container, an adjustable member having a circular portion for registry with said shoulder, securing means between said member and said shoulder, said member being adjustable with relation to said shoulder, and switch means having a critical operating angle depending upon its position relative to the direction of the force of gravity, said switch means being mounted upon said adjustable member so that by moving said member said switch means can be adjusted.

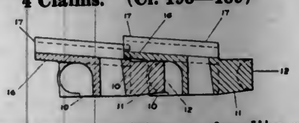
2,255,733

CONVEYER

Harry D. Lathrop, Chicago, Ill., assignor to The Lathrop-Paulson Company, Chicago, Ill., a corporation of Illinois

Application June 5, 1939, Serial No. 277,529

4 Claims. (Cl. 198—189)



1. A conveyer comprising a plurality of links connected together for movement with respect to each other in two planes, each of said links having a rearwardly and upwardly projecting top shelf extending above and overlapping the forward portion of the next following link, each of said shelves being spaced above and clearing the next following link to permit free angular movement of the shelf without interference from the next following link.

2,255,734

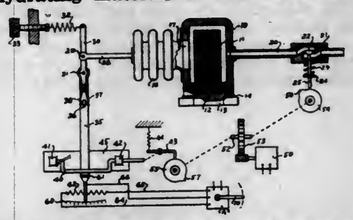
HUMIDITY RESPONSIVE DEVICE

William L. McGrath, St. Paul, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application May 5, 1938, Serial No. 206,174

3 Claims. (Cl. 73—335)

1. In a controller of the class described, an enclosure, an expansible member communicating with said enclosure, normally closed valve means for controlling the admission of air to said enclosure, a control element, means including a strain release device for operatively connecting said expansible member and said control element, means normally preventing said control element from moving in response to movement of said expansible member, means for supporting a dehydrating material in said enclosure, and



means for alternately opening said valve means and releasing said control element.

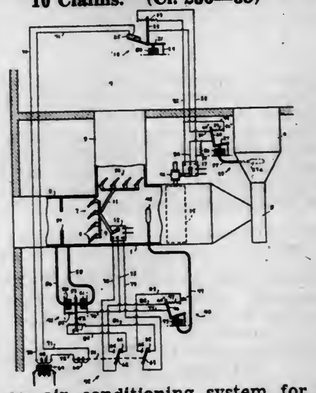
2,255,735

AIR CONDITIONING SYSTEM

William L. McGrath, St. Paul, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application November 2, 1939, Serial No. 302,571

10 Claims. (Cl. 236—38)



5. In an air conditioning system for conditioning the air in a space, an air conditioning chamber, means for circulating air through said chamber and the space to be conditioned, said chamber including a fresh air inlet through which outside air may be admitted and an inlet for the admission of return air from said space, damper means controlling the flow of air through said fresh air inlet into said chamber, conditioning means in said conditioning chamber, space condition responsive means in control of said conditioning means, control means for said damper means, said control means including a first means responsive to the rate of flow of air through said fresh air inlet and a second means responsive to a condition of the mixture of air entering said chamber through said fresh and return air inlets, and means responsive to the condition of the air in said space for placing said damper means under the control of said first means or said second means.

2,255,736

SIDING CORNER CONSTRUCTION

Leslie S. Odell, Montreal, Quebec, Canada, assignor to Bird & Son, Inc., East Walpole, Mass.

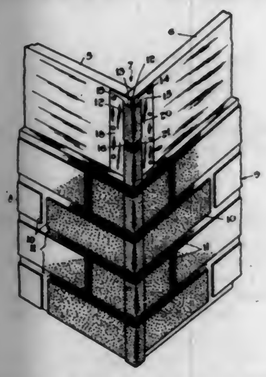
Application May 5, 1939, Serial No. 271,837

In Canada April 20, 1939

4 Claims. (Cl. 20—5)

1. In combination, a building structure including angularly related walls meeting in a corner,

brick, stone or tile simulating siding applied to the outer surface of said walls, a metal corner member shaped to fit over and cover those opposing ends of the siding sections which meet at said corner, said corner member being surfaced to provide a masonry simulating surface pattern matching that of the underlying siding sections,



an anchoring plate secured to said walls to fit over the corner formed thereby, said anchoring plate being interposed between said walls and said siding and fastening screws passing through said corner member and said anchoring plate and into one of said walls, said fastening members being in threaded engagement with openings formed in said anchoring plate.

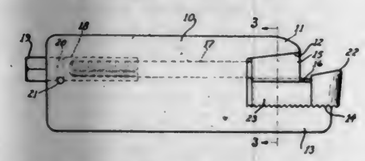
2,255,737

TOOL BIT AND TOOLHOLDER THEREFOR

Ole Severson, Shelton, Conn., assignor to The Apex Tool & Cutter Company, Inc., a corporation of Connecticut

Application June 27, 1939, Serial No. 281,408

5 Claims. (Cl. 29—96)



1. In a tool bit and holder combination, a holder having a furcated end, the inner surfaces of the furcation being angularly disposed, one of said surfaces constituting a tool seat, a tool bit having its shank disposed between said surfaces, a bit retaining member having one surface thereof parallel with one surface of the furcation and another surface thereof parallel with another surface of the furcation, means for moving said retaining member longitudinally within said furcation, and cooperating means on said bit and tool seat to preclude movement therebetween.

2,255,738

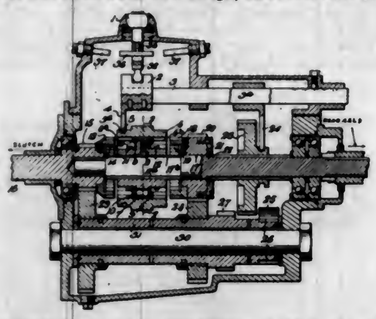
POWER TRANSMISSION

Jean A. H. Barkeij, Altadena, Calif.

Application January 13, 1938, Serial No. 184,904

20 Claims. (Cl. 192—48)

1. An overrunning clutch slidable on a shaft but rotating therewith, composed of three parts, an outer ring, an inner ring, an overrunning clutch between the two rings, and a friction clutch between said two rings, said friction clutch



being operated upon movement of said clutch on said shaft.

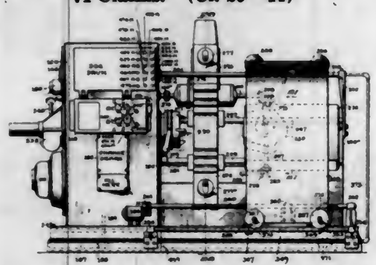
2,255,739

MACHINE TOOL

Myron S. Curtis, Pawtucket, R. I., assignor, by mesne assignments, to Potter & Johnston Machine Company, Pawtucket, R. I., a corporation of Rhode Island

Application June 8, 1938, Serial No. 212,565

71 Claims. (Cl. 29—44)



1. A machine tool comprising two detachable units forming an integral machine when attached together, one of said units including a supporting frame, a rotatable spindle mounted in said frame, a feed shaft mounted in the frame for actuating operable slides, means in the frame for actuating said spindle and feed shaft; the other of said units comprising a frame having sliding members thereon for cooperative operation with said spindle and operable from said feed shaft; and detachable connecting means between the frames of the units and between said feed shaft and said sliding members, whereby any one of a plurality of second units may be attached to the first unit to form integral machines of different types.

2,255,740

CHARGE SEPARATING AND ROLLING MEANS FOR CIGAR BUNCH MACHINES

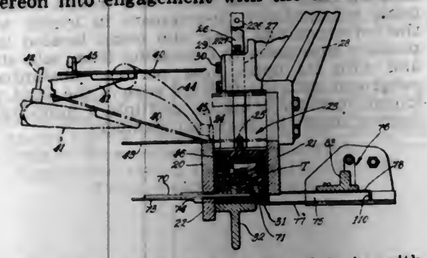
John F. Halstead, Brooklyn, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey

Application October 27, 1938, Serial No. 237,254

52 Claims. (Cl. 131—21)

5. In a cigar machine, the combination with a magazine, of means for feeding successive bunch length sections of long filler tobacco to said magazine, a reciprocating gate, means for moving sections onto said gate when it is in magazine closing position, a bottom member supporting said tobacco in said magazine, a plunger

provided with a sponge rubber face arranged to compact tobacco on said gate, means for raising said member to bring the tobacco positioned thereon into engagement with the underside of



said gate, said gate being arranged to be withdrawn whereby tobacco positioned thereon is discharged into said magazine by the said member and said plunger.

2,255,741

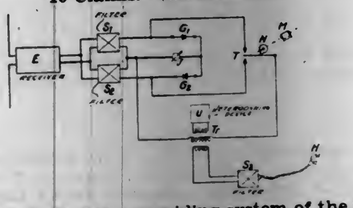
SYSTEM FOR DETERMINING NAVIGATORY DIRECTION

Ernst Kramar, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company

Application April 29, 1939, Serial No. 270,770

In Germany April 30, 1938

10 Claims. (Cl. 250—11)



1. In a radio beacon guiding system of the type employing a plurality of directive radiations modulated at different frequencies and intersecting at predetermined points forming a course, a course indicating system comprising a receiver for detecting and demodulating the energy of said radiations, means connected to said receiver for separating the signals of different frequencies obtained by said demodulation, means for audibly detecting said signals and means for periodically connecting said detecting means to each of said separating means at a predetermined rate.

2,255,742

FLEXIBLE COUPLING FOR SOUND RECORDING DEVICES

Otto Schilling, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company

Application August 9, 1939, Serial No. 289,204

In Germany August 12, 1938

1 Claim. (Cl. 64—30)

A flexible coupling means comprising a first drum member fastened to one rotatable means, a second drum member having an opening therein and arranged about said first drum member so that the inner face of said outer drum and the outer face of said inner drum are spaced a small distance from one another, a spring member insertable into said space for exerting a friction coupling pressure between said drum members, and a retaining member fitted to the curvature of said first drum member and arranged between said spring member and said first drum, the ends of said retaining member extending



through said opening beyond the ends of said spring member, whereby said spring member is retained in place.

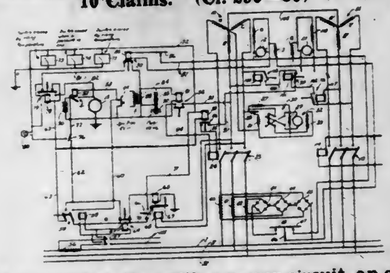
2,255,743

CONTROL SYSTEM FOR ELECTRIC GENERATING PLANTS

Fred Jervis, Los Angeles, Calif.

Application September 16, 1938, Serial No. 230,262

10 Claims. (Cl. 290—30)



3. In combination with a power circuit, an electric generator adapted to be connected to said power circuit, an internal combustion engine for driving said generator, an electric starting motor for said engine, means for energizing said starting motor when the current in said power circuit exceeds a predetermined value, means for breaking the circuit to said starting motor when said engine starts, means making inoperative said first-mentioned means when the voltage of said generator comes up to a normal value, and means restoring said first-mentioned means to its original condition upon the current in said power circuit falling below said predetermined value.

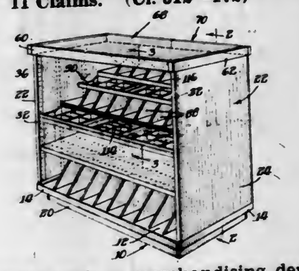
2,255,744

DISPLAY RACK

Felix F. Loeb, Chicago, and James E. Bales, Aurora, Ill., assignors to Lyon Metal Products, Incorporated, Aurora, Ill., a corporation of Illinois

Application October 14, 1938, Serial No. 234,868

11 Claims. (Cl. 312—172)



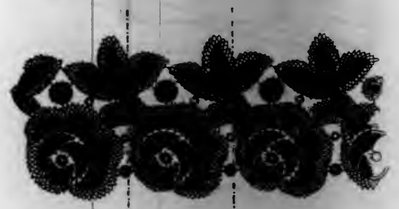
1. A display rack or merchandising device for displaying a plurality of parts in juxtaposition

to an assembly of said parts comprising a cabinet-like structure having a base, upstanding side and rear members and an enclosing top adapted to enclose the rack on all sides except the front, and being substantially unobstructed between the front and rear, a substantially horizontally arranged shelf mounted between said upstanding side and rear members for support thereby, said shelf being of a width less than the distance between the front and rear portions of the rack and being arranged rearwardly to provide a space in the rack forwardly of the shelf, and a trough member extending between said side and rear members and positioned substantially along the forward edge of said shelf, said trough member being substantially co-extensive in length with the corresponding shelf and being located in a position substantially depending from said shelf and with its upper rear portion substantially congruent with the forward edge of the shelf, the trough member being divided into a plurality of compartments by partition members.

DESIGNS

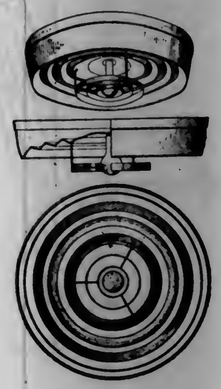
SEPTEMBER 9, 1941

129,356
DESIGN FOR A LACE OR SIMILAR ARTICLE
Jean Aemisegger, Bergenfield, N. J., assignor to Record Lace & Embroidery Company, Inc., New York, N. Y., a corporation of New York
Application July 3, 1941, Serial No. 101,889
Term of patent 3½ years



The ornamental design for a lace or similar article, substantially as shown and described.

129,357
DESIGN FOR A LIGHTING FIXTURE
Ernest H. Greppin, Brighton, N. Y., assignor to Wilmot Castle Company, Rochester, N. Y., a corporation of New York
Application July 19, 1941, Serial No. 102,301
Term of patent 7 years



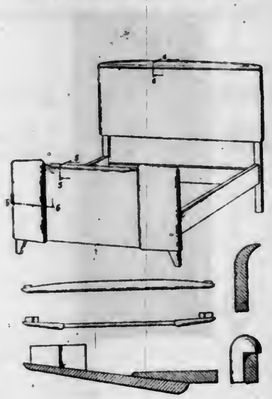
The ornamental design for a lighting fixture, substantially as shown.

129,358
DESIGN FOR A BOWL OR SIMILAR ARTICLE
Lurelle Guild, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa., a corporation of Pennsylvania
Application September 4, 1940, Serial No. 94,799
Term of patent 7 years



The ornamental design for a bowl or similar article, substantially as shown.

129,359
DESIGN FOR A BEDSTEAD
Leo Jiranek, Scarsdale, N. Y., assignor to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts
Application March 3, 1941, Serial No. 99,324
Term of patent 7 years



The ornamental design for a bedstead, substantially as shown.

129,360
DESIGN FOR A LACE OR SIMILAR ARTICLE
Abe Lipschitz, New York, N. Y.
Application July 26, 1941, Serial No. 102,482
Term of patent 3½ years



The ornamental design for a lace or similar article, as shown and described.

129,361
DESIGN FOR A LACE OR SIMILAR ARTICLE
Abe Lipschitz, New York, N. Y.
Application July 26, 1941, Serial No. 102,483
Term of patent 3½ years



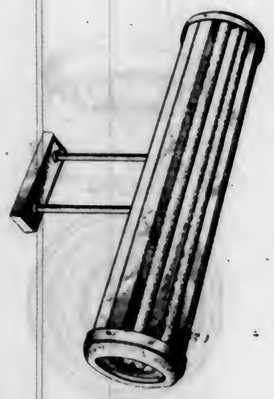
The ornamental design for a lace or similar article, as shown and described.

129,362
DESIGN FOR A LIGHTING UNIT
Alphonse F. Pieper, Brighton, N. Y.
Application June 20, 1940, Serial No. 93,144
Term of patent 14 years



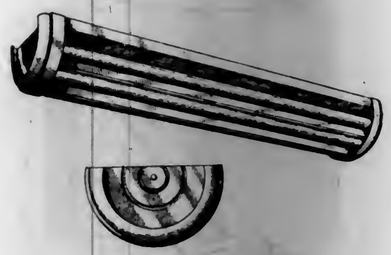
The ornamental design for a lighting unit, substantially as shown.

129,363
DESIGN FOR A LIGHTING FIXTURE OR SIMILAR DEVICE
Henry K. Pracht, Irwin, Pa., assignor to Pittsburgh Reflector Company, Pittsburgh, Pa., a corporation of New Jersey
Application June 28, 1941, Serial No. 101,782
Term of patent 14 years



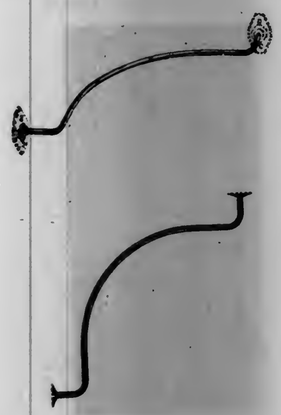
The ornamental design for a lighting fixture or similar device, substantially as shown and described.

129,364
DESIGN FOR A LIGHTING FIXTURE OR SIMILAR DEVICE
Henry K. Pracht, Irwin, Pa., assignor to Pittsburgh Reflector Company, Pittsburgh, Pa., a corporation of New Jersey
Application June 28, 1941, Serial No. 101,783
Term of patent 14 years



The ornamental design for a lighting fixture or similar device, substantially as shown.

129,365
DESIGN FOR A TOWEL BAR
Roy S. Sanford, Oakville, Conn., assignor to The Autoyre Company, Incorporated, Oakville, Conn., a corporation of Connecticut
Application February 3, 1941, Serial No. 98,670
Term of patent 14 years



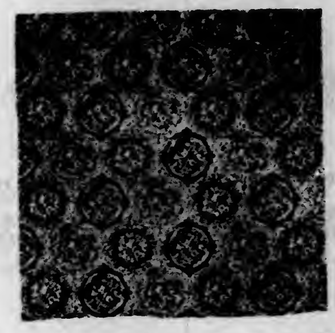
The ornamental design for a towel bar, substantially as shown and described.

129,366
DESIGN FOR A PILE FABRIC
Harold E. Wadely, Scarsdale, N. Y.
Application February 24, 1941, Serial No. 99,169
Term of patent 3½ years



The ornamental design for a pile fabric as shown.

129,367
DESIGN FOR A PILE FABRIC
Harold E. Wadely, Scarsdale, N. Y.
Application February 24, 1941, Serial No. 99,170
Term of patent 3½ years



The ornamental design for a pile fabric, as shown.

129,368
DESIGN FOR A COMBINATION PENCIL AND POCKETKNIFE
Patrick J. Cummings, Attleboro, Mass.
Application March 13, 1941, Serial No. 99,558
Term of patent 3½ years



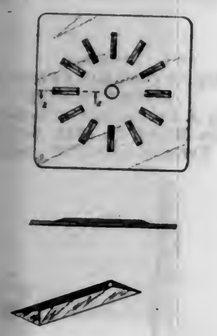
The ornamental design for a combination pencil and pocketknife, substantially as shown.

129,369
DESIGN FOR A POCKETKNIFE
Patrick J. Cummings, Attleboro, Mass.
Application October 17, 1940, Serial No. 95,906
Term of patent 3½ years



The ornamental design for a pocketknife, substantially as shown.

129,370
DESIGN FOR A DIAL FOR WATCHES OR SIMILAR ARTICLES
Bernard Dupertuis, Rochelle Park, N. J.
Application October 18, 1940, Serial No. 95,922
Term of patent 7 years



The ornamental design for a dial for watches or similar articles, as shown.

129,371
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Newton Elkin, Philadelphia, Pa.
Application July 9, 1941, Serial No. 101,992
Term of patent 3½ years



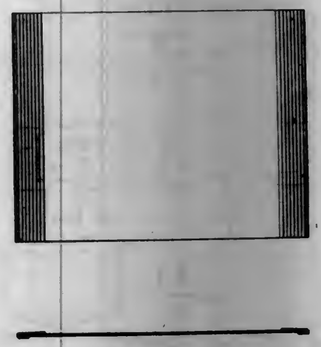
The ornamental design for a shoe or similar article, substantially as shown.

129,372
DESIGN FOR A TEXTILE FABRIC
Curt E. Forstmann, Montclair, N. J.
Application June 13, 1940, Serial No. 92,972
Term of patent 3½ years



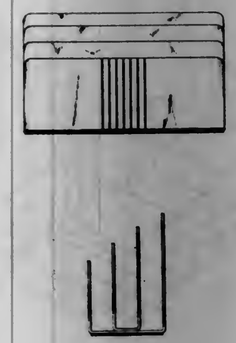
The ornamental design for a textile fabric, as shown and described.

129,373
DESIGN FOR A BLOTTER HOLDER OR SIMILAR ARTICLE
Lurelle Guild, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa., a corporation of Pennsylvania
Application September 4, 1940, Serial No. 94,796
Term of patent 7 years



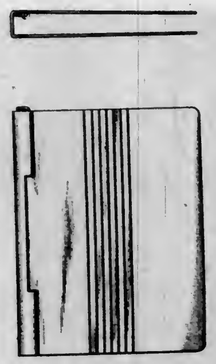
The ornamental design for a blotter holder or similar article, substantially as shown.

129,374
DESIGN FOR A CORRESPONDENCE RACK OR SIMILAR ARTICLE
Lurelle Guild, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa., a corporation of Pennsylvania
Application September 4, 1940, Serial No. 94,797
Term of patent 7 years



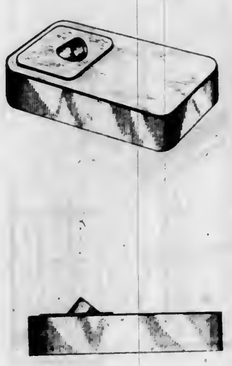
The ornamental design for a correspondence rack or similar article, substantially as shown.

129,375
DESIGN FOR A MEMORANDUM BOOK COVER OR SIMILAR ARTICLE
Lurelle Guild, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa., a corporation of Pennsylvania
Application September 4, 1940, Serial No. 94,800
Term of patent 7 years



The ornamental design for a memorandum book cover or similar article, substantially as shown.

129,376
DESIGN FOR A RESERVOIR DESK STAND
Walter A. Sheaffer, Fort Madison, Iowa, assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa, a corporation of Delaware
Application November 16, 1940, Serial No. 96,627
Term of patent 7 years



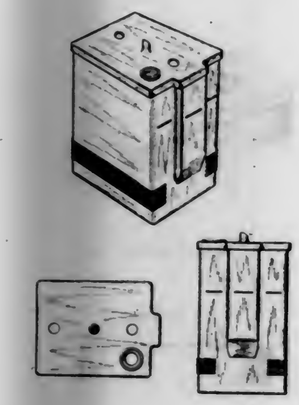
The ornamental design for a reservoir desk stand, substantially as shown.

129,377
DESIGN FOR A TEXTILE FABRIC
Frances A. Sheild, Elmhurst, N. Y., assignor to Celanese Corporation of America, a corporation of Delaware
Application July 24, 1941, Serial No. 102,454
Term of patent 7 years



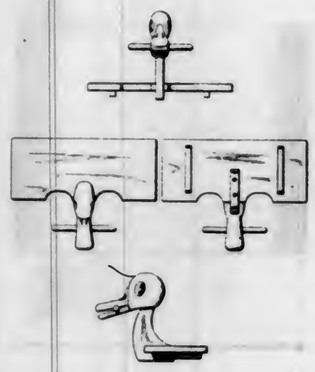
The ornamental design for a textile fabric, substantially as shown.

129,378
DESIGN FOR A STORAGE BATTERY CASE
Julius J. Demko, Cleveland, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia
Application June 10, 1941, Serial No. 101,380
Term of patent 14 years



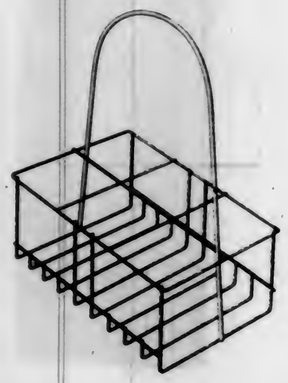
The ornamental design for a storage battery case, substantially as shown.

129,379
DESIGN FOR A CHILD'S SEAT FOR BARBER CHAIR
William A. Dennis and Virgil A. Dennis, West Los Angeles, Calif.
Application March 1, 1941, Serial No. 99,278
Term of patent 3½ years



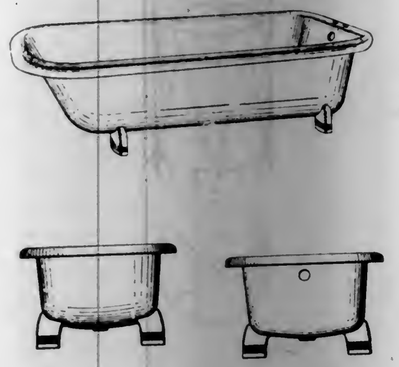
The ornamental design for a child's seat for barber chair, as shown.

129,380
DESIGN FOR A BOTTLE CARRIER
Carl A. Heuler, Kansas City, Mo.
Application July 10, 1941, Serial No. 102,006
Term of patent 7 years



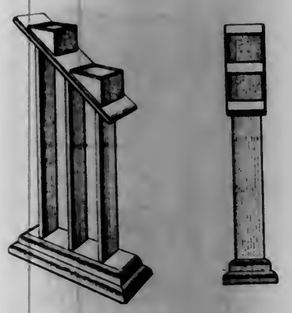
The ornamental design for a bottle carrier, as shown.

129,381
DESIGN FOR A BATHTUB
Leonard Keller, Ferndale, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application December 18, 1940, Serial No. 97,285
Term of patent 14 years



The ornamental design for a bathtub, substantially as shown and described.

129,382
DESIGN FOR A FURNITURE FLOWER STAND OR SIMILAR ARTICLE
Leo Reimer, New York, N. Y.
Application July 1, 1941, Serial No. 101,839
Term of patent 7 years



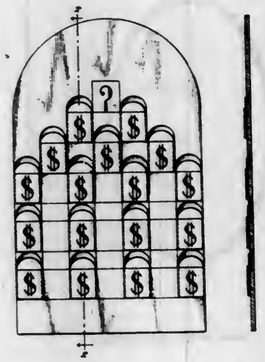
The ornamental design for a furniture flower stand or similar article, substantially as shown.

129,383
DESIGN FOR A KNITTED TEXTILE FABRIC OR SIMILAR ARTICLE
Leon M. Rottenberg, New York, N. Y., assignor to Wool Novelty Co. Inc., New York, N. Y., a corporation of New York
Application July 16, 1941, Serial No. 102,188
Term of patent 3½ years



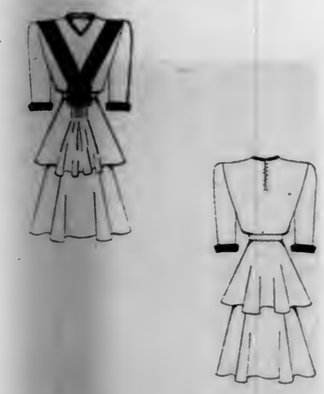
The ornamental design for a knitted textile fabric or similar article, substantially as shown and described.

129,384
DESIGN FOR A GAME BOARD
Evan T. Tishock, Cleveland, Ohio
Application June 21, 1941, Serial No. 101,603
Term of patent 14 years



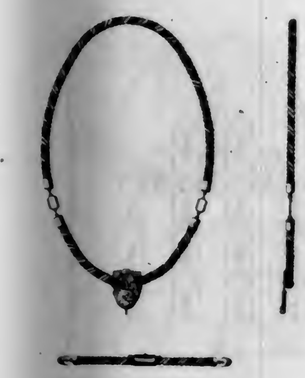
The ornamental design for a game board, as shown.

129,385
DESIGN FOR A DRESS
Albert B. Weinberg, Merrick, N. Y.
Application August 1, 1941, Serial No. 102,614
Term of patent 3½ years



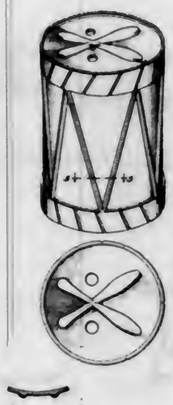
The ornamental design for a dress, substantially as shown.

129,386
DESIGN FOR REGALIA FOR A FRATERNAL ORGANIZATION
Edwin Robinson Wilmarth, Attleboro Falls, Mass., assignor to Sovereign Grand Lodge of the I. O. O. F., Baltimore, Md., a corporation of Maryland
Application July 5, 1941, Serial No. 101,913
Term of patent 14 years



The ornamental design for regalia for a fraternal organization, substantially as shown.

129,387
DESIGN FOR A DOG TOY OR SIMILAR ARTICLE
Mary McC. Beary, Catasauqua, Pa.
Application June 26, 1941, Serial No. 101,713
Term of patent 14 years



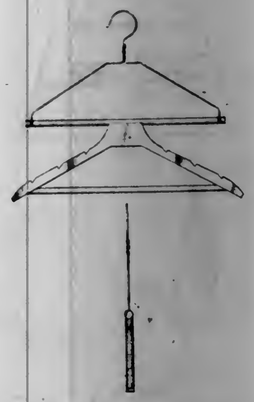
The ornamental design for a dog toy or similar article, as shown.

129,388
DESIGN FOR A RUG
Lucien Biva, New York, N. Y., assignor to William E. Roschen and John Hastedt, coexecutors of estate of Otto Timme, deceased, doing business as E. F. Timme & Son, New York, N. Y.
Application July 22, 1941, Serial No. 102,366
Term of patent 7 years



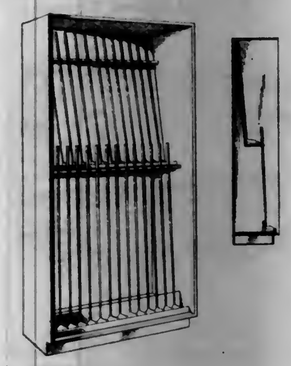
The ornamental design for a rug, as shown.

129,389
DESIGN FOR A CLOTHES HANGER
Arnold Bundy Cole, Brooklyn, N. Y.
Application February 10, 1940, Serial No. 90,183
Term of patent 3½ years



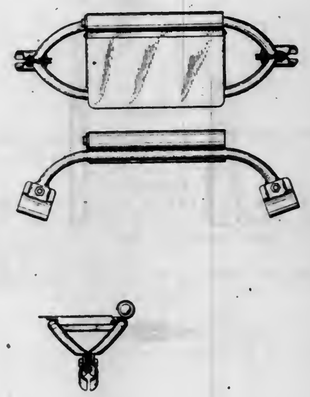
The ornamental design for a clothes hanger, substantially as shown.

129,390
DESIGN FOR A COMBINED CABINET AND GOLF CLUB DISPLAY
Earl L. Clouse, Grand Rapids, Mich., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich., a corporation of Michigan
Application August 16, 1940, Serial No. 94,451
Term of patent 7 years



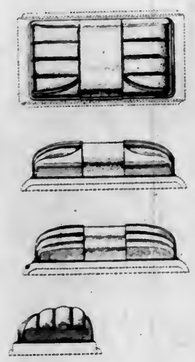
The ornamental design for a combined cabinet and golf club display, as shown and described.

129,391
DESIGN FOR A CYCLE HANDLEBAR SUPPORT FOR PADS, MAPS, OR THE LIKE
Joseph Fischer, Grand Rapids, Mich.
Application May 26, 1941, Serial No. 101,154
Term of patent 7 years



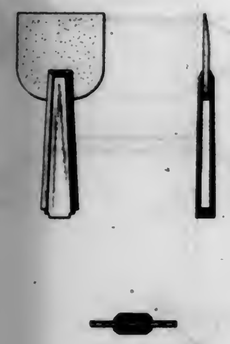
The ornamental design for a cycle handlebar support for pads, maps or the like, as shown.

129,392
DESIGN FOR A DISPLAY CASE
John B. Guttman, Elmhurst, N. Y., assignor to Arrow Manufacturing Company, Incorporated, Hoboken, N. J., a corporation of New Jersey
Application May 7, 1941, Serial No. 100,823
Term of patent 7 years



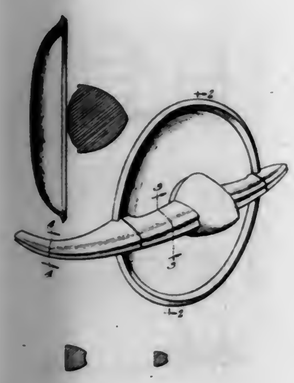
The ornamental design for a display case, substantially as shown and described.

129,393
DESIGN FOR AN APPLICATOR FOR APPLYING SHAVING CREAM AND SIMILAR PREPARATIONS
Wayne Dwight Hensley, Santa Ana, Calif.
Application June 12, 1941, Serial No. 101,427
Term of patent 7 years



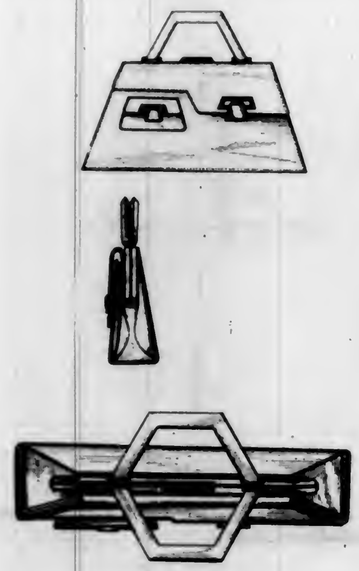
The ornamental design for an applicator for applying shaving cream and similar preparations, as shown.

129,394
DESIGN FOR A COMBINED LATCH HANDLE AND ESCUTCHEON
Clare E. Hodgman, Chicago, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application March 8, 1941, Serial No. 99,421
Term of patent 7 years



The ornamental design for a combined latch handle and escutcheon, as shown.

129,395
DESIGN FOR A HANDBAG
Florence N. Lewis, New York, N. Y.
Application May 28, 1941, Serial No. 101,193
Term of patent 7 years



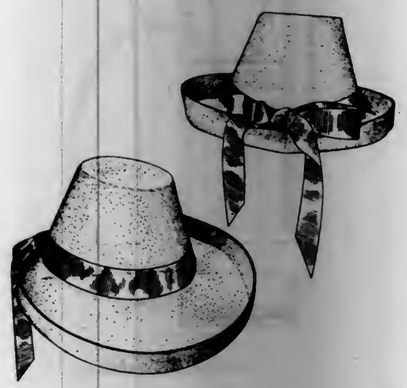
The ornamental design for a handbag, substantially as shown, and described.

129,396
DESIGN FOR A MOTOR COACH
Raymond Loewy, New York, N. Y., assignor to The Greyhound Corporation, Chicago, Ill., a corporation of Delaware
Application June 26, 1941, Serial No. 101,711
Term of patent 7 years



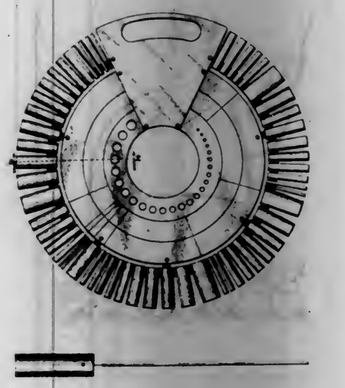
The ornamental design for a motor coach, substantially as shown.

129,397
DESIGN FOR A HAT
Paul M. Maxwell, Manhasset, and Esther Lundberg, New York, N. Y., assignors to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware
Application July 14, 1941, Serial No. 102,123
Term of patent 3½ years



The ornamental design for a hat, as shown.

129,398
DESIGN FOR A COMBINED CARD AND TUBING DISPLAY
Foster G. McGaw, Chicago, Ill.
Application January 30, 1941, Serial No. 98,515
Term of patent 7 years



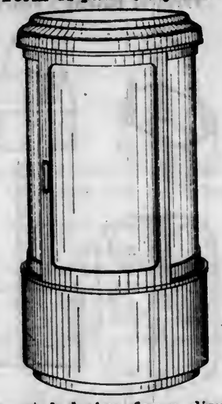
The ornamental design for a combined card and tubing display, as shown.

129,399
DESIGN FOR A BROOCH
Charles Movsesian, Cranston, R. I.
Application May 27, 1941, Serial No. 101,174
Term of patent 3½ years



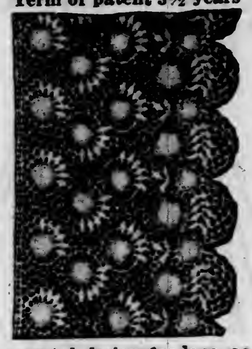
The ornamental design for a brooch, substantially as shown.

129,400
DESIGN FOR A DISPLAY CABINET
Robert B. Norris, St. Louis Park, Minn., assignor to Schaefer, Inc., Minneapolis, Minn., a corporation of Minnesota
Application July 5, 1941, Serial No. 101,920
Term of patent 7 years



The ornamental design for a display cabinet, as shown and described.

129,401
DESIGN FOR LACE
David L. Peister, New York, N. Y.
Application August 6, 1941, Serial No. 102,702
Term of patent 3½ years



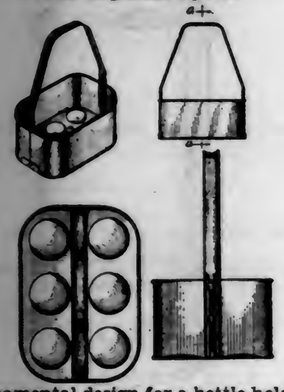
The ornamental design for lace, as shown and described.

129,402
DESIGN FOR AN IDENTIFICATION TAG FOR A BRACELET OR THE LIKE
Cyril Bernard Schindler, New Orleans, La.
Application December 16, 1940, Serial No. 97,357
Term of patent 7 years



The ornamental design for an identification tag for a bracelet or the like, as shown.

129,403
DESIGN FOR A BOTTLE HOLDER
William Sedgwick, Des Moines, Iowa, assignor to C. E. Erickson Company Incorporated, Des Moines, Iowa, a corporation of Iowa
Application December 11, 1940, Serial No. 97,260
Term of patent 7 years



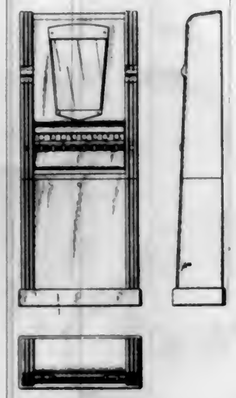
The ornamental design for a bottle holder, substantially as shown.

129,404
DESIGN FOR A DRESS
Nat Shapiro, New York, N. Y.
Application July 19, 1941, Serial No. 102,264
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,405
DESIGN FOR A VENDING MACHINE CABINET
James E. Stewart, Rye, N. Y.
Application January 14, 1941, Serial No. 98,031
Term of patent 3½ years



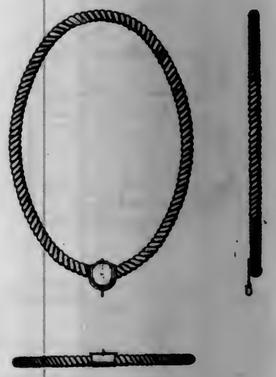
The ornamental design for a vending machine cabinet, as shown.

129,406
DESIGN FOR AN ADVERTISING DISPLAY PLACARD OR THE LIKE
Henry C. Whittlesey, Gladwyne, Pa., assignor to Keasbey & Mattison Company, Ambler, Pa., a corporation of Pennsylvania
Application March 25, 1941, Serial No. 99,877
Term of patent 7 years



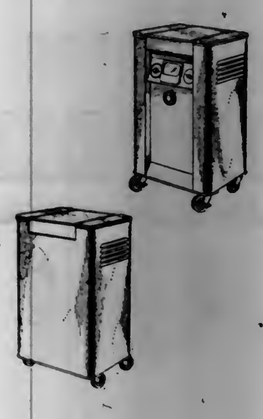
The ornamental design for an advertising display placard or the like, substantially as shown.

129,407
DESIGN FOR REGALIA FOR A FRATERNAL ORGANIZATION
Edwin Robinson Wilmarth, Attleboro Falls, Mass., assignor to Sovereign Grand Lodge of the I. O. O. F., Baltimore, Md., a corporation of Maryland
Application July 5, 1941, Serial No. 101,914
Term of patent 14 years



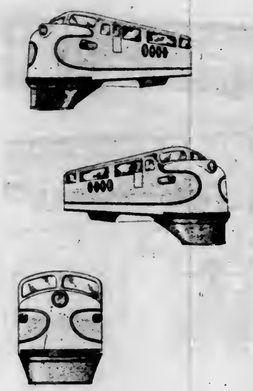
The ornamental design for regalia for a fraternal organization, substantially as shown.

129,408
DESIGN FOR A CABINET FOR BATTERY CHARGER
Soren L. Christie, Los Angeles, Calif.
Application February 14, 1941, Serial No. 99,012
Term of patent 3½ years



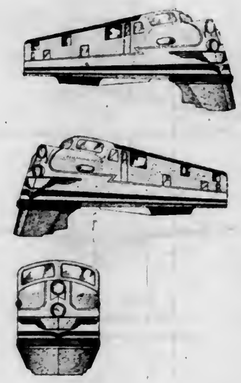
The ornamental design for a cabinet for battery charger, as shown.

129,409
DESIGN FOR A LOCOMOTIVE BODY
Harold L. Hamilton, Los Altos, Calif., William D. Otter, Oak Park, Ill., and Paul A. Meyer, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 19, 1941, Serial No. 101,010
Term of patent 14 years



The ornamental design for a locomotive body, substantially as shown and described.

129,410
DESIGN FOR A LOCOMOTIVE BODY
Harold L. Hamilton, Los Altos, Calif., William D. Otter, Oak Park, Ill., and Paul A. Meyer, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 18, 1941, Serial No. 102,219
Term of patent 14 years



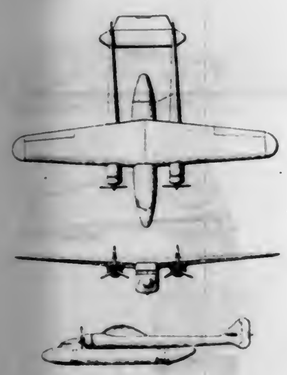
The ornamental design for a locomotive body, substantially as shown and described.

129,411
DESIGN FOR A MOTOR COACH
Raymond Loewy, New York, N. Y., assignor to The Greyhound Corporation, Chicago, Ill., a corporation of Delaware
Application June 26, 1941, Serial No. 101,710
Term of patent 7 years



The ornamental design for a motor coach, substantially as shown.

129,412
DESIGN FOR AN AMPHIBIAN AIRPLANE OR THE LIKE
Robert J. Nebesar, Orlando, Fla.
Application March 10, 1941, Serial No. 99,482
Term of patent 14 years



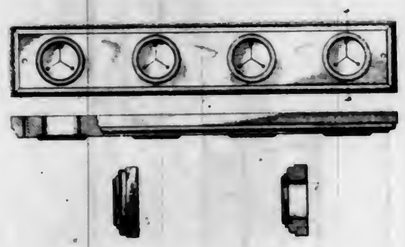
The ornamental design for an amphibian airplane or the like, substantially as shown.

129,413
DESIGN FOR AN ELECTRIC-SWITCH ACTUATOR
Malcolm W. Eaton, Freeport, Ill., assignor to Micro Switch Corporation, Freeport, Ill., a corporation of Illinois
Application December 23, 1940, Serial No. 97,567
Term of patent 14 years



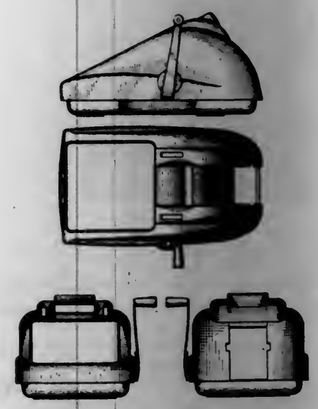
The ornamental design for an electric-switch actuator, as shown.

129,414
DESIGN FOR A TOWEL HANGER
Otis C. Frank, Hollywood, Fla.
Application November 19, 1940, Serial No. 96,686
Term of patent 3½ years



The ornamental design for a towel hanger, as shown.

129,415
DESIGN FOR A CASING FOR AN ADDING MACHINE
Willis A. Kropp, River Forest, Ill., assignor to Victor Adding Machine Company, Chicago, Ill., a corporation of Illinois
Application December 23, 1940, Serial No. 97,571
Term of patent 14 years



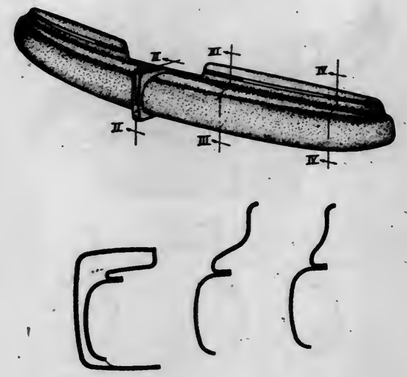
The ornamental design for a casing for an adding machine, as shown.

129,416
DESIGN FOR A TEXTILE FABRIC
Jack Rubin, New York, N. Y.
Application July 11, 1941, Serial No. 102,028
Term of patent 3½ years



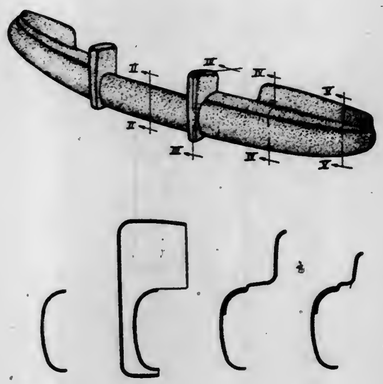
The ornamental design for a textile fabric, substantially as shown.

129,417
DESIGN FOR AN AUTOMOBILE BUMPER OR SIMILAR ARTICLE
George W. Walker, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application November 28, 1940, Serial No. 96,904
Term of patent 7 years



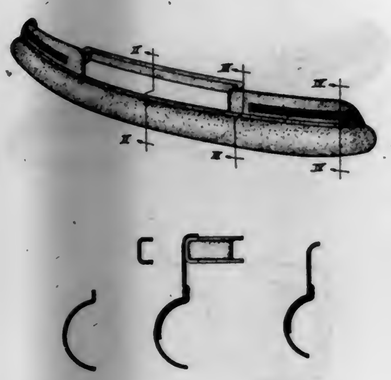
The ornamental design for an automobile bumper or similar article, as shown.

129,418
DESIGN FOR AN AUTOMOBILE BUMPER OR SIMILAR ARTICLE
George W. Walker, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application December 9, 1940, Serial No. 97,191
Term of patent 7 years



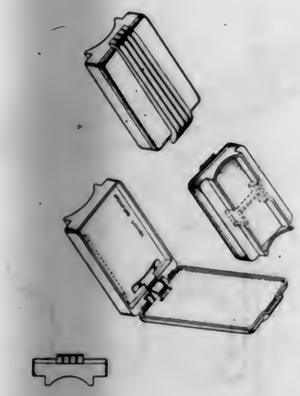
The ornamental design for an automobile bumper or similar article, as shown.

129,419
DESIGN FOR AN AUTOMOBILE BUMPER OR SIMILAR ARTICLE
George W. Walker, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application December 9, 1940, Serial No. 97,199
Term of patent 7 years



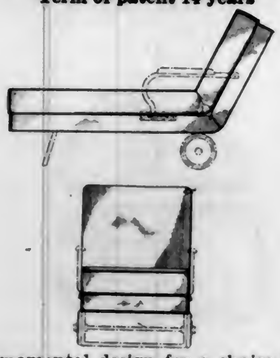
The ornamental design for an automobile bumper or similar article, as shown.

129,420
DESIGN FOR AN AUTOMOBILE STEERING POST MEMORANDUM UNIT
Herbert L. Bennett, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application August 14, 1940, Serial No. 94,424
Term of patent 7 years



The ornamental design for an automobile steering post memorandum unit, as shown.

129,421
DESIGN FOR A CHAISE LONGUE OR SIMILAR ARTICLE
Jacob C. Feldman, Boston, Mass., assignor to New England Bedding Company, Medford, Mass., a corporation of Massachusetts
Application September 27, 1940, Serial No. 95,434
Term of patent 14 years



The ornamental design for a chaise longue or similar article, substantially as shown and described.

129,422
DESIGN FOR A SCARF OR SIMILAR ARTICLE
Philip Goldenstein, Brooklyn, N. Y.
Application June 30, 1941, Serial No. 101,801
Term of patent 3½ years





129,422—Continued



The ornamental design for a scarf or similar article, substantially as shown and described.

129,423
DESIGN FOR A SCARF OR SIMILAR ARTICLE
Philip Goldenstein, Brooklyn, N. Y.
Application June 30, 1941, Serial No. 101,802
Term of patent 3½ years





129,423—Continued



The ornamental design for a scarf or similar article, substantially as shown and described.

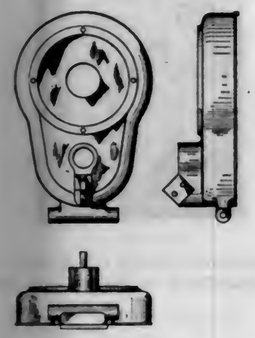
129,424
DESIGN FOR A TEXTILE FABRIC
Herman E. Goodman, New York, N. Y.
Application May 8, 1941, Serial No. 100,843
Term of patent 3½ years





The ornamental design for a textile fabric, substantially as shown and described.

129,425
DESIGN FOR A BASE HOUSING FOR FLOOR MAINTENANCE MACHINES
William E. Holt, Oakland, Calif.
Application June 19, 1941, Serial No. 101,558
Term of patent 7 years



The ornamental design for a base housing for floor maintenance machines, as shown.

129,426
DESIGN FOR A COMBINED ASH TRAY AND PIPE REST OR SIMILAR ARTICLE
Leonard Jindrak, New York, N. Y.
Application February 26, 1941, Serial No. 99,225
Term of patent 14 years



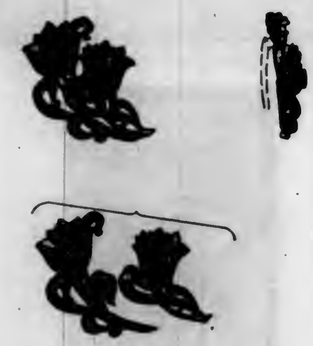
The ornamental design for a combined ash tray and pipe rest or similar article, substantially as shown.

129,427
DESIGN FOR A SEPARABLE BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application July 31, 1941, Serial No. 102,593
Term of patent 3½ years



The ornamental design for a separable brooch or similar article, substantially as shown.

129,428
DESIGN FOR A SEPARABLE BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application July 31, 1941, Serial No. 102,594
Term of patent 3½ years



The ornamental design for a separable brooch or similar article, substantially as shown.

129,429
DESIGN FOR A SEPARABLE BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application July 31, 1941, Serial No. 102,595
Term of patent 3½ years



The ornamental design for a separable brooch or similar article, substantially as shown.

129,430
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application July 31, 1941, Serial No. 102,596
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

129,431
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application July 31, 1941, Serial No. 102,597
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

129,432
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application July 31, 1941, Serial No. 102,598
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

129,433
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application July 31, 1941, Serial No. 102,599
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

129,434
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application July 31, 1941, Serial No. 102,600
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

129,435
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application July 31, 1941, Serial No. 102,601
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

129,436
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application July 31, 1941, Serial No. 102,602
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

129,437
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application July 31, 1941, Serial No. 102,603
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

129,438
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application July 31, 1941, Serial No. 102,604
Term of patent 3½ years



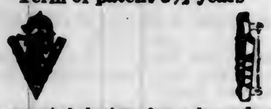
The ornamental design for a brooch or similar article, substantially as shown.

129,439
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
David Mir, New York, N. Y.
Application August 2, 1941, Serial No. 102,646
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

129,440
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application July 29, 1941, Serial No. 102,532
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

129,441
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application August 2, 1941, Serial No. 102,633
Term of patent 3½ years



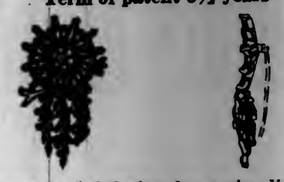
The ornamental design for a pin clip, substantially as shown.

129,442
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application August 2, 1941, Serial No. 102,634
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

129,443
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application August 2, 1941, Serial No. 102,635
Term of patent 3½ years



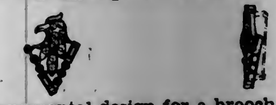
The ornamental design for a pin clip, substantially as shown.

129,444
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application August 2, 1941, Serial No. 102,636
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

129,445
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application August 2, 1941, Serial No. 102,637
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

129,446
DESIGN FOR A COAT
Angelo Del Re, Brooklyn, N. Y.
Application August 21, 1941, Serial No. 102,977
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

129,447
DESIGN FOR A COAT
Angelo Del Re, Brooklyn, N. Y.
Application August 21, 1941, Serial No. 102,978
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

129,448
DESIGN FOR A DRESS
Zelma Golden, Larchmont, N. Y.
Application August 19, 1941, Serial No. 102,928
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,449
DESIGN FOR A DRESS
Zelma Golden, Larchmont, N. Y.
Application August 19, 1941, Serial No. 102,929
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,450
DESIGN FOR A DRESS
Zelma Golden, Larchmont, N. Y.
Application August 19, 1941, Serial No. 102,930
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,451
DESIGN FOR A DRESS
Zelma Golden, Larchmont, N. Y.
Application August 19, 1941, Serial No. 102,931
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,452
DESIGN FOR A DRESS
Zelma Golden, Larchmont, N. Y.
Application August 19, 1941, Serial No. 102,932
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,453
DESIGN FOR A DRESS
Belle Saunders, New York, N. Y.
Application August 23, 1941, Serial No. 102,994
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,454
DESIGN FOR A DRESS
Zelma Golden, Larchmont, N. Y.
Application August 19, 1941, Serial No. 102,926
Term of patent 3½ years



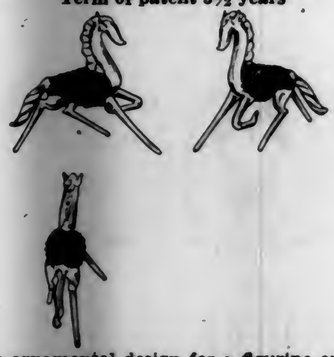
The ornamental design for a dress, substantially as shown.

129,455
DESIGN FOR A DRESS
Zelma Golden, Larchmont, N. Y.
Application August 19, 1941, Serial No. 102,927
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,456
DESIGN FOR A FIGURINE OR SIMILAR ARTICLE
John Herbst, New York, N. Y.
Application July 12, 1941, Serial No. 102,062
Term of patent 3½ years



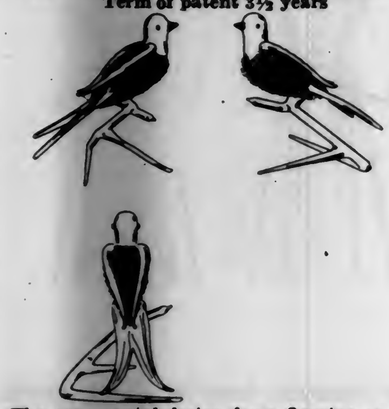
The ornamental design for a figurine or similar article, substantially as shown.

129,457
DESIGN FOR A FIGURINE OR SIMILAR ARTICLE
John Herbst, New York, N. Y.
Application July 12, 1941, Serial No. 102,063
Term of patent 3½ years



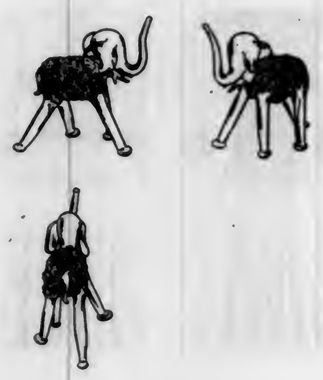
The ornamental design for a figurine or similar article, substantially as shown and described.

129,458
DESIGN FOR A FIGURINE OR SIMILAR ARTICLE
John Herbst, New York, N. Y.
Application July 12, 1941, Serial No. 102,064
Term of patent 3½ years



The ornamental design for a figurine or similar article, substantially as shown.

129,459
DESIGN FOR A FIGURINE OR SIMILAR ARTICLE
John Herbst, New York, N. Y.
Application July 12, 1941, Serial No. 102,066
Term of patent 3½ years



The ornamental design for a figurine or similar article, substantially as shown.

129,460
DESIGN FOR A FIGURINE OR SIMILAR ARTICLE
John Herbst, New York, N. Y.
Application July 19, 1941, Serial No. 102,258
Term of patent 3½ years



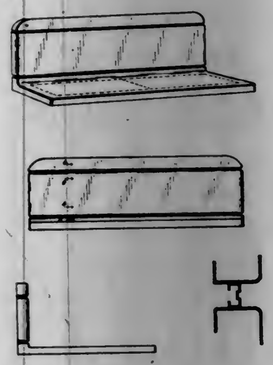
The ornamental design for a figurine or similar article, substantially as shown.

129,461
DESIGN FOR A FIGURINE OR SIMILAR ARTICLE
John Herbst, New York, N. Y.
Application July 19, 1941, Serial No. 102,260
Term of patent 3½ years



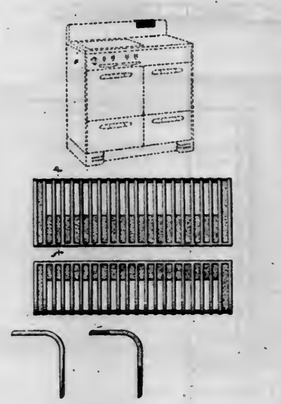
The ornamental design for a figurine or similar article, substantially as shown.

129,462
DESIGN FOR A COMBINED TOP AND BACK SPLASH PANEL FOR RANGES
Elmer D. Pellegrin, Woodstock, Ill., assignor to Geo. D. Roper Corporation, Rockford, Ill., a corporation of Illinois
Application March 24, 1941, Serial No. 99,802
Term of patent 14 years



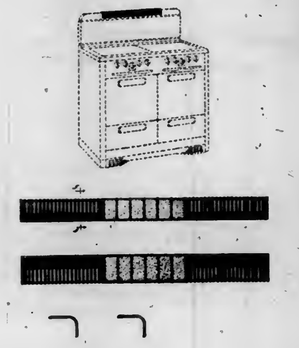
The ornamental design for a combined top and back splash panel for ranges, substantially as shown and described.

129,463
DESIGN FOR A GAS RANGE
Elmer D. Pellegrin, Woodstock, Ill., assignor to Geo. D. Roper Corporation, Rockford, Ill., a corporation of Illinois
Application March 24, 1941, Serial No. 99,803
Term of patent 7 years



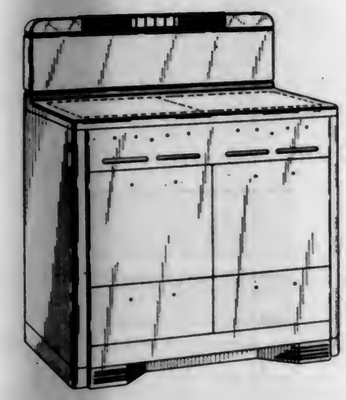
The ornamental design for a gas range, substantially as shown and described.

129,464
DESIGN FOR A GAS RANGE
Elmer D. Pellegrin, Woodstock, Ill., assignor to Geo. D. Roper Corporation, Rockford, Ill., a corporation of Illinois
Application March 24, 1941, Serial No. 99,804
Term of patent 7 years



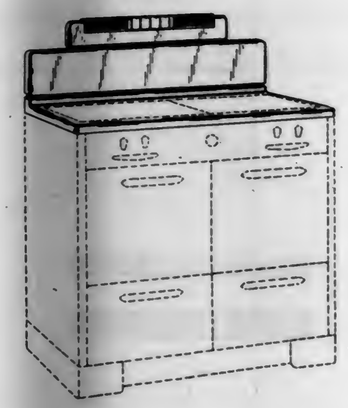
The ornamental design for a gas range, substantially as shown and described.

129,465
DESIGN FOR A RANGE
Elmer D. Pellegrin, Woodstock, Ill., assignor to Geo. D. Roper Corporation, Rockford, Ill., a corporation of Illinois
Application March 24, 1941, Serial No. 99,806
Term of patent 7 years



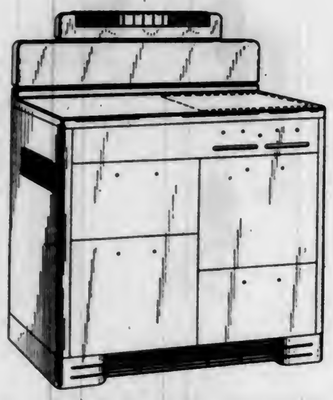
The ornamental design for a range, substantially as shown and described.

129,466
DESIGN FOR A RANGE
Elmer D. Pellegrin, Woodstock, Ill., assignor to Geo. D. Roper Corporation, Rockford, Ill., a corporation of Illinois
Application March 24, 1941, Serial No. 99,807
Term of patent 14 years



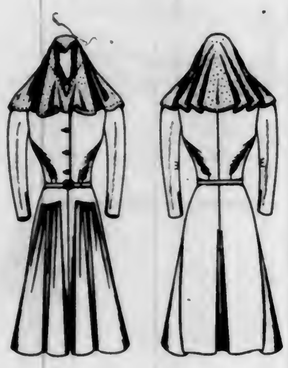
The ornamental design for a range, substantially as shown and described.

129,467
DESIGN FOR A COMBINED RANGE AND KITCHEN HEATER
Elmer D. Pellegrin, Woodstock, Ill., assignor to Geo. D. Roper Corporation, Rockford, Ill., a corporation of Illinois
Application March 24, 1941, Serial No. 99,808
Term of patent 7 years



The ornamental design for a combined range and kitchen heater, substantially as shown and described.

129,468
DESIGN FOR A DRESS
Nettie Rosenstein, New York, N. Y.
Application July 8, 1941, Serial No. 101,935
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

Patents Nos. 2,255,745 to 2,256,462

THE
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OF THE
United States Patent Office

Vol. 530—No. 3 TUESDAY, SEPTEMBER 16, 1941 Price—$16 per year

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September 16, 1941

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Reissues	3—No. 21,900 to No.	21,902, inclusive.
Patents	718—No. 2,255,745 to No.	2,256,462, inclusive.
Designs	107—No. 129,469 to No.	129,575, inclusive.
Total	998	

Order No. 3560

U. S. PATENT OFFICE, *Washington, D. C., July 16, 1941.*

Acting under the provisions of section 487, Revised Statutes of the United States (U. S. C., title 35, sec. 11), Thomas Bilyeu, Corbett Building, Portland, Oregon, whose registration number is 8324, is hereby disbarred from practice before the United States Patent Office.

CONWAY P. COE,
Commissioner.

Interference Notice

U. S. PATENT OFFICE, *Washington, D. C., Aug. 19, 1941.*

Rainer Hildebrandt, his assigns or legal representatives, take notice:

An interference has been declared by this Office between Patent No. 2,204,962, granted June 18, 1940, to Rainer Hildebrandt, 7 Bayerischestrasse, Berlin, W. 15, Germany, and the application for patent of Robert Benjamin Albright, Tioga and C Streets, Philadelphia, Pa. The notice of such declaration sent by registered mail to said Hildebrandt at the address indicated and then re-forwarded to the address furnished by his counsel, c/o Telefunken Gesellschaft fur Drahtlose Telegraphie, Zehlendorf, Osteweg, Berlin, Germany, having been returned by the post office as undeliverable, notice is hereby given that unless said Hildebrandt, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Notice of Cancellation

U. S. PATENT OFFICE, *Washington, D. C., Aug. 20, 1941.*

Advance Welding & Alloys, Ltd., its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of Birdsboro Steel Foundry and Machine Company, Birdsboro, Pa., to effect the cancellation of registration No. 302,609, issued April 25, 1933, to Advance Welding & Alloys, Ltd., 131–07 Merrick Road, Springfield Gardens, Long Island, N. Y., and a notice of such proceeding sent by registered mail to said Advance Welding & Alloys, Ltd. at said address having been returned by the post office as undeliverable, notice is hereby given that unless said Advance Welding & Alloys, Ltd., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Disclaimers

1,984,224.—*William T. Maxant*, Ayer, Mass. PINKING MACHINE. Patent dated December 11, 1934. Disclaimer filed August 21, 1941, by the patentee.

Hereby enters this disclaimer to claims 1, 2, 6, 7, 8, and 9 in said specification.

2,190,041.—*Joseph E. Padgett*, Toledo, Ohio. BEARING. Patent dated February 13, 1940. Disclaimer filed August 27, 1941, by the inventor.

Hereby enters this disclaimer to claims 1, 2, and 3 in said specification.

2,200,260.—*Alvin A. Burton*, Albany, Calif. METHOD AND COMPOSITION FOR IMPROVING DIESEL FUEL IGNITION. Patent dated May 14, 1940. Disclaimer filed August 26, 1941, by the assignee, *Standard Oil Company of California.*

Hereby enters this disclaimer to claims 3, 5, 9, and 10 of said Letters Patent.

2,201,416.—*Melvin Wagner*, Chicago, Ill. CONTAINER. Patent dated May 21, 1940. Disclaimer filed August 27, 1941, by the assignee, *The Liquid Carbonic Corporation.*

Hereby enters this disclaimer to claims 1 and 2 in said Letters Patent.

Condition of Applications Under Examination at Close of Business August 30, 1941

(Total number of applications awaiting action, excluding Trade-Mark Division, 44,951; Trade-Mark Division, 1,204. Oldest new case, Dec. 4, 1940; oldest amended, Nov. 29, 1940.)
(The dates given are 1941 except where † indicates 1940)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action: New	Oldest new application awaiting office action: Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Jan. 31	Jan. 28	764
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Apr. 22	Apr. 14	485
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	June 17	June 18	487
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating, Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	May 10	May 14	601
3077	5. ROBINSON, O. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Apr. 16	Apr. 14	463
4898 C	6. LEWERS, A. M., Carbon Chemistry (part)	Feb. 10	Feb. 13	1140
5725	7. JARBOE, C. G., Optics; Photography	Mar. 10	Mar. 8	993
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	Mar. 10	Mar. 10	860
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Mar. 27	Mar. 26	606
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Mar. 28	Apr. 2	591
3087 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	May 3	Apr. 28	393
7701	12. SPINTMAN, SAMUEL (Act.), Machine Elements; Mechanical Starters; Stop Mechanism	Apr. 3	Apr. 3	624
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Jan. 22	Feb. 17	586
5097	14. FREEHOF, H. B. (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	May 2	May 8	570
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Mar. 4	Feb. 28	1136
5716	16. SPENCER, C. J., Telegraphy; Telephony	Apr. 10	Apr. 10	494
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Apr. 26	May 5	640
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Mar. 31	Mar. 8	406
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Mar. 17	Apr. 3	784
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Mar. 19	Mar. 27	480
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	May 8	May 10	329
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	†Dec. 4	†Dec. 5	1354
7624	23. BUTTNER, W. J., Registers (part)	Jan. 30	†Dec. 10	266
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Apr. 1	Apr. 11	855
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Apr. 15	Apr. 25	546
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	Apr. 16	Apr. 30	428
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	Apr. 7	Mar. 29	528
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Elements; Cylinders and Pistons	Apr. 7	Mar. 11	377
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	Mar. 5	Mar. 6	784
4083	30. McCANN, L. E., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	May 2	May 2	476
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Mar. 14	Mar. 14	1409
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Mar. 20	Mar. 17	925
6096	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads.	Apr. 7	Mar. 31	1071
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Surface Track; Track Sanders; Draft Appliances; Signals and Indicators.	Jan. 22	Jan. 21	557
3876	35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Portable Receptacles	Mar. 3	Mar. 3	1019
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Mar. 21	Mar. 20	557
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Apr. 19	Apr. 28	611
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stone-working; Wells; Plastic Compositions.	†Dec. 6	†Nov. 29	1336
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	May 9	May 12	469
7880	40. DRUMMOND, E. J., Metallic, Wood, Paper, and Special Receptacles	Feb. 19	Feb. 19	1767
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Apr. 7	Apr. 1	547
5882	42. CUTTING, H. O., Electric Signaling	Apr. 30	Apr. 30	329
4886 B	43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Mar. 25	Mar. 28	642
4087 B	44. HARVEY, L. P., Refrigeration	Mar. 6	Mar. 3	602
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	May 12	May 14	347
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Mar. 10	Mar. 11	831
6082	47. KANOF, W. J., Clutches; Brakes	Apr. 29	Apr. 9	427
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	May 2	May 2	540
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4701	50. LEVIN, S., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	Mar. 4	Mar. 4	1240
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6613	57. NICOLSON, O. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	Mar. 14	May 22	188
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DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE SOMES

No. 4,404. Decided June 9, 1941

[120 F.(2d) 342]

PATENTABILITY—WORK CYLINDER.

Claims to a work cylinder having a hardened integral internal layer *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. John P. Tarbox (*Mr. F. P. Keiper* of counsel) for Somes.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

HATFIELD, *J.:*

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting all of the claims, 1 to 11, inclusive, in appellant's application for a patent for an alleged invention relating to "work cylinders" for use in engines, pumps, and the like.

At the time of the oral arguments in this court, counsel for appellant moved to dismiss the appeal as to claims 1 to 8, inclusive. The motion will be granted. Accordingly, the only claims before us for consideration are Nos. 9, 10, and 11. They read:

9. An article of manufacture comprising a work cylinder for engines and the like having a hardened integral internal layer of substantially uniform depth and in which cylinder a state of optimum autofrettage exists.

10. An article of manufacture comprising a work cylinder for engines and the like having an internal integral layer of substantially uniform depth hardened and under pressure and of such depth in proportion to total wall thickness as to be in a condition of optimum autofrettage.

11. An article of manufacture comprising a work cylinder for engines or the like formed of a material hardenable by heat treatment, having a relatively hard internal integral layer between which and the remaining portion a steep gradient of hardness exists.

The reference is: Klopp, 1,892,843, January 3, 1933.

It is claimed that the novel feature in appellant's cylinder is that the inner layer of the bore of the cylinder is hardened to a substantially uniform depth (approximately one-eighth of an inch, as stated in appellant's specification); that "a state of optimum autofrettage exists" in such a cylinder; and that such a cylinder has qualities of high resistance to wear and great strength with minimum weight.

It appears that the hardened inner layer of a cylinder is under compression and the "unhardened outer layers" are under tension, and, as a result, stresses, referred to in the record as "autofrettage," are produced in the cylinder.

Appellant states in his application that the inner internal layer of a cylinder may be hardened by

"effecting an extremely rapid rise in temperature,"

which penetrates

"a very short but definite and substantially sharply defined distance from the inner surface into the wall of the cylinder, and immediately and rapidly quenching";

that

"Any known or other form of carrying out such treatment may be utilized, but up to the present time the one method capable of effecting the application of heat in a manner sufficient to produce a cylinder having the qualities above-mentioned, is that of heating by electro-magnetic induction with high frequency alternating current";

and that, although the principle of autofrettage is well recognized, he is the first, so far as he is aware, to produce a cylinder, hereinbefore described,

"through heat treatment by electro-magnetic induction." [Italics ours.]

Appellant discloses an apparatus in which an electro-magnetic induction coil is arranged to be positioned within the cylinder bore in close proximity with the inner surface and extending beyond each end thereof. When the cylinder has been properly heated, the electro-magnetic induction coil is withdrawn and a quenching liquid is sprayed on the wall of the cylinder.

Appellant further states in his application that

"While it is known that the inner walls of a work cylinder such as the cylinder of a gas engine, *may be hardened or tempered by rapid application of heat thereto as by a flame followed by quenching,* it is believed that applicant is the first to effect a tempering or hardening of the inner portion of a work cylinder combined with the production of a state of optimum autofrettage * * *." [Italics not quoted.]

The patent to Klopp relates to an apparatus for surface hardening of the inner wall of hollow bodies, including cylinders. The patentee places a cylinder to be hardened on a table "adapted to be lowered into a tank filled with hardening liquid," then "suitable burners are inserted from above into the" cylinder "to uniformly heat from below upwards the inner wall." When the inner wall is uniformly heated, the cylinder is lowered into a hardening liquid and its inner wall instantaneously cooled.

The patentee makes no reference to "autofrettage."

In rejecting the appealed claims, the Primary Examiner stated that the only way of determining whether there was any difference in the wall of a cylinder produced by the apparatus disclosed in the patent to Klopp and that produced by appellant's electro-magnetic induction coil was by comparing appellant's method with that carried out by the apparatus disclosed in the patent. After setting out those methods, the Primary Examiner said, among other things:

Since the articles being treated by both the applicant and the patentee are subjected to exactly the same treatment, if they are the same before they are treated, they must be the same after they are treated * * *.

In its decision affirming the decision of the Primary Examiner, the Board of Appeals stated that, although the type of heating employed by appellant had many advantages over the flame-heating method disclosed in the patent to Klopp, the appealed claims were not limited to any specific type of heating means, and were, therefore, sufficiently broad to cover a cylinder having its inner layer

hardened by the gas-flame apparatus disclosed in the patent to Klopp. The Board then said:

If the temperature used by Klopp is high enough to produce a hardening effect, it must necessarily cause the metal adjacent the bore of the cylinder to be placed under compression, that is, in a state of autofrettage. In other words, in hardening the inner surface of the cylinder, necessarily places the hardened part of the metal under initial compression. Viewed in this light, it is believed that the appealed claims are anticipated by this patent. Certain of the claims are limited to an article in which a state of optimum frettage exists. This feature is merely one of degree and not of patentable moment.

In a request for a rehearing, and for a reconsideration of the Board's decision, counsel for appellant proposed an amendment to appealed claims 9, 10, and 11, to include therein a statement to the effect that the hardened inner layer of the cylinder was produced by electro-magnetic induction. In other words, what counsel proposed to do was to limit the product claims here involved by including therein the means by which the claimed product is produced.

The Board of Appeals held, however, that the amendments requested were material, and that, as claims incorporating such amendments had not been before the Primary Examiner, it would not consider the claims as amended. The Board, accordingly, denied appellant's petition.

It is contended here by counsel for appellant that by the use of appellant's method, that is, the heating of the inner layer of a cylinder bore by electromagnetic induction, a more uniform depth of hardening is obtained than by the use of flame heat; that appellant's method of quenching after heating is more desirable than that disclosed in the reference; and that, by the use of appellant's apparatus and method, optimum autofrettage is obtained.

The record contains certain affidavits—one by appellant, one by H. W. Russell (chief physicist of the Battelle Memorial Institute of Columbus, Ohio), and one by John P. Tarbox (attorney of record in the instant case).

According to his affidavit, each affiant was impressed by the process and apparatus used by appellant, and each was of opinion that the results obtained by appellant were superior to those that could be obtained by the use of flame heat.

It may be that appellant's method of producing a hardened inner layer in a cylinder is superior to the flame-heat method disclosed in the reference. However, we are here concerned with a product, not with the apparatus or the method by which that product is produced.

It is apparent from the record that a hardened inner layer may be produced in a cylinder by the use of the flame-heat method disclosed in the patent to Klopp, and that a state of autofrettage will exist in such a cylinder. Accordingly, comparing appellant's method with that disclosed in the reference, it is evident that the difference in results, if any, is one of degree only. We are unable to hold, therefore, that the article defined in the appealed claims involves invention.

The appeal is dismissed as to claims 1 to 8, inclusive, and the decision of the Board of Appeals is affirmed as to claims 9, 10, and 11.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE BERGEN

No. 4,415. Decided June 9, 1941

[120 F.(2d) 329]

1. APPEAL—BOARD OF APPEALS—QUESTION RAISED FIRST IN EXAMINER'S STATEMENT.

"The question of whether claims 4 and 11 were proper as to form was raised for the first time in the Primary Examiner's statement to the Board of Appeals, and as appellant did not withdraw his appeal to the Board of Appeals and present that question to the Primary Examiner, which he had a right to do, the Board had authority to consider that ground of rejection as to those claims."

2. SAME—REASONS OF APPEAL.

"The question as to whether claims 4 and 11 are proper in form is not raised in appellant's reasons of appeal. Accordingly, the decision of the Board of Appeals, affirming the decision of the Primary Examiner holding that claims 4 and 11 were not in proper for, must be affirmed."

3. PATENTABILITY—PISTON RING.

Claims to an alloy steel piston ring *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Messrs. Ward, Crosby & Neal (*Mr. Raymond J. McElhannon* of counsel) for Bergen.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting all of the claims (Nos. 4, 7, and 11 to 14, inclusive) in appellant's application for a patent for an alleged invention relating to improvements in an alloy steel piston ring for use in internal combustion engines.

The alleged invention is sufficiently described in the appealed claims, of which claims 4 and 12 are illustrative. They read:

4. An alloy steel piston ring for internal combustion engines which is highly resistant in service to wear, scuffing, scoring and loss of tension, said steel containing from an effective amount to about 4% of metal of the group consisting of: vanadium, molybdenum, chromium, manganese, silicon, nickel, copper and aluminum, the balance of said steel consisting substantially of iron.

12. A piston ring for internal combustion engines made from an alloy steel containing: about .3 to 4% chromium, about .05 to 1% vanadium, and about .5 to 1.5% carbon, the balance of said steel consisting substantially of iron.

The references are: Fay, 1,284,279, November 12, 1918; Marshall, 1,965,294, July 3, 1934.

The patent to Fay relates to a packing ring composed of tungsten steel in which

"tungsten constitutes from eighteen to twenty-five per cent. of the total weight of the steel."

The packing ring is

"adapted for use with bodies of relatively small diameter (such as sliding sleeve valves and pistons for small-bore cylinders)."

The object of the invention, as stated by the patentee, is to

"produce a ring of this character of great heat-resisting capacity, whereby the ring will be able to withstand high temperatures without losing its elasticity; also to produce a ring which is particularly *free from abrasion.*" [Italics not quoted.]

The patent to Marshall relates to packing or piston rings made of high carbon steel (steel containing over .5% carbon) for use in internal combustion engines. The patentee states that he has found that piston rings of high carbon steel

"may be run for a far longer time, even under the exacting conditions of a continuous uninterrupted run, than does the ordinary cast iron ring, outlasting the latter many times, acquiring a high polish, and causing no appreciable wear or scoring of the cylinder wall,"

and that he has

"devised a practical process which results in the production of perfect rings from ductile material such, for example, as high carbon steel, *including so-called 'alloy steels,' such rings having all of the desired physical characteristics requisite in a piston ring* and being capable of production at a cost which is substantially less than that involved in making ordinary cast iron rings." [Italics not quoted.]

All of the appealed claims were rejected by the Primary Examiner on the references of record, and appealed claims 4 and 11 were also rejected on the ground that they were indefinite and ambiguous.

Relative to the form of claims 4 and 11, the Examiner stated that they call for an alloy steel piston ring "containing," as stated in each of those claims (except as to the order in which the metals are enumerated),

"from an effective amount to about 4% of metal of the group consisting of: vanadium, molybdenum, chromium, manganese, silicon, nickel, copper and aluminum";

that as those elements do not constitute or belong to a recognized chemical or metallurgical group

"their specific inclusion in the claims appears to be due merely to the fact that applicant has experimented with many elements and has found these to be satisfactory";

and that

"such grouping according to experimental results of substances which do not form a known chemical or metallurgical group does not conform to the practice authorized in *Ex parte Markush* 340 O. G. 834, as construed in *Ex parte Burke* 441 O. G. 509 and renders the claims indefinite and ambiguous."

In holding that the appealed claims were unpatentable over the references of record, the Primary Examiner said:

Patentability for such claims could be predicated only on one or two theories—first—that the alloy itself was patentably novel and that applicant in specifying the article made therefrom had unnecessarily limited himself and—second—that there has been a new use of an old material, which produced new, unexpected and useful results.

The first theory is rendered untenable by the fact that, applicant originally presented claims for the alloy (claims 1 and 2) that they were rejected on prior art and were canceled.

The second theory seems to be the one on which applicant relies. The qualification of utility is conceded to be established by applicant's arguments and affidavit. The requirement of novelty is, in general, negatived by Marshall's suggestion of the use of alloy steels for piston rings. * * *

Now the suggestion of Marshall that alloy steels be used for internal combustion engine piston rings and the use of one such alloy by Fay for a pump piston ring clearly negative the idea that such use is an innovation and the fact that applicant, with constructive knowledge of Marshall's suggestion and Fay's use, decided to try out numerous alloys and found that many, perhaps most, of them were suitable, seems to negative any very great element of surprise for him.

The Board of Appeals affirmed the decision of the Primary Examiner rejecting the appealed claims on the prior art and also rejecting appealed claims 4 and 11 on the ground that they were not in proper form. With reference to the prior art cited, the Board called attention to the fact that the Patentee Marshall's piston rings were stated to be made not only of high carbon steel but also of "alloy steels." The Board then said:

In general, the physical characteristics of the commoner steel alloys are well-known and it is our view that the selection of one of these alloys, broadly suggested by Marshall, does not amount to invention.

Certain of the claims are rather specific as to the proportions of the alloying metal but we are not satisfied that there is anything especially critical about the proportion used and therefore affirm the Examiner's action as to claims 4, 7, 11, 12, 13, and 14.

[1] [2] Although it is stated in appellant's fifth reason of appeal that

"The Board of Appeals *erred in considering* the Examiner's objections to the claims 4 and 11 as to form, and *erred in not refusing to consider said objections as to form*, inasmuch as said claims were never finally rejected on any such ground, the Examiner's objection on this ground first appearing in his 'Examiner's Statement' addressed to the Board of Appeals,"

it is not argued here that the Board was without authority to consider the Examiner's rejection of claims 4 and 11 on the ground that they were improper as to form. [Italics not quoted.] The question of whether claims 4 and 11 were proper as to form was raised for the first time in the Primary Examiner's statement to the Board of Appeals, and as appellant did not withdraw his appeal to the Board of Appeals and present that question to the Primary Examiner, which he had a right to do, the Board had authority to consider that ground of rejection as to those claims. See *Ex parte Mevey*, 1891 C. D. 115, 56 O. G. 805; *In re Mulligan*, 23 C. C. P. A. (Patents) 1220, 1222, 83 F.(2d) 917, 473 O. G. 233. Furthermore, the question as to whether claims 4 and 11 are proper in form is not raised in appellant's reasons of appeal. Accordingly, the decision of the Board of Appeals, affirming the decision of the Primary Examiner holding that claims 4 and 11 were not in proper form, must be affirmed.

It is contended here by counsel for appellant that appellant's inventive concept

"consists essentially in discovering the cause of piston ring scuffing and scoring and devising a remedy based on this information, the remedy consisting in substituting for the materials—cast iron and plain carbon steel—theretofore employed in piston rings, a material new for this purpose and one *developing new and unexpected properties when so used, namely, an alloy steel having the relatively narrow range of analysis specified in the claims.* The courts have held such contributions to be inventive." [Italics ours.]

It is further contended by counsel for appellant that in neither of the references of record is the matter of piston ring scuffing and scoring referred to; and that

"A substitution of materials in an old article *developing new and unexpected properties* and uses of the articles or greater utility or more efficient action is inventive,"

and cases are cited in support of the latter contention. [Italics not quoted.]

Appellant states in his application that an object of his alleged invention is to provide a piston ring—which possesses to an extent not heretofore attained, the *qualities requisite to satisfactory performance* in internal combustion engines for automotive and like uses, namely: resistance to wear, to scuffing, to scoring, and the ability to retain high strength at high temperatures, such that the ring will not soften or temper at motor operating temperatures, thereby to prevent excessive wear

and loss of tension with resulting leakage and loss of compression.

Scoring is a wearing or abrading of the piston ring surface in contact with the cylinder wall. Scuffing is the occurrence on the wearing surface of the ring, of bright spots which appear harder and which stand out in relief against the surrounding surface areas. Both scuffing and scoring by permitting an escape of gases from the cylinder, result in loss of compression. [Italics ours.]

Appellant further states in his application that scoring and scuffing of piston rings may be prevented by adding alloying elements to plain carbon steels, such alloying elements being molybdenum, chromium, manganese, silicon, nickel, copper, aluminum, and vanadium.

It will be observed that the patentee Fay stated that a piston ring composed of an alloy steel—tungsten steel—has great heat resisting capacity and is particularly free from abrasion; that is, scoring or wearing or abrading of the piston ring surface in contact with the cylinder wall. However, no reference is made in the Fay patent to the prevention of scuffing by the use of his particular alloy steel.

The patentee Marshall states that, although cast iron piston rings have many of the desired characteristics necessary in a piston ring, such, for example, as the

"ability to maintain a good bearing surface against the cylinder wall without scoring or abrading the latter when run at high speeds,"

piston rings made of cast iron have other characteristics not so desirable, among which, he states, is extreme brittleness. The patentee pointed out that in an effort to avoid the undesirable characteristics of cast iron piston rings, the art employed other materials such as low carbon steel, but that piston rings composed of low carbon steel possess one vital defect—the inability to

"form a good wearing surface with the cylinder wall, resulting in rapid scoring and destruction of the cylinder,"

and that piston rings made of high carbon steel, including so-called "alloy steels," have all the

"desired physical characteristics requisite in a piston ring * * * for forming a good bearing against the cylinder wall."

The patentee did not state, however, that his rings were resistant in service to scuffing and scoring.

No contention is made here by counsel for appellant that the Primary Examiner was in error in stating that appellant was not entitled to claims covering his alloy steels per se, or that the Board of Appeals was in error in stating in its decision that "In general, the physical characteristics of the commoner steel alloys are well known." Nor can it be successfully contended that the patentee Marshall did not suggest that piston rings made of alloy steels had all the "desired physical characteristics requisite in a piston ring * * * for forming a good bearing against the cylinder wall."

Appellant states in his application that

"I have *observed for example that generally speaking small additions*, i. e. up to about 4% of one or more of the alloying elements above noted *are sufficient*; and *more specifically that highly satisfactory results are obtained by additions to plain carbon steels of about:* .05 to 1% vanadium; .05 to 2% molybdenum; .3 to 25% chromium; .3 to 2% manganese; .5 to 4% silicon; .25 to 3% nickel; .2 to 2% copper; or .1 to 2% aluminum. *Certain further beneficial results may be obtained by combinations of two or more of the elements above enumerated.*" [Italics ours.]

It is apparent, therefore, that appellant does not teach that the percentages of one or more of the alloying elements enumerated in the appealed claims are critical.

[3] That appellant's piston rings are new in the sense that the prior art did not teach the percentages of the alloying elements set forth in the appealed claims and that they are useful, is not questioned. However, in view of the facts hereinbefore set forth, we are unable to hold that the use of alloy steels in the manufacture of piston rings, as set forth in the appealed claims, produced unexpected results and that the Board erred in holding that the appealed claims were not patentable over the references of record.

For the reasons stated, the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE TAYLOR

No. 4,441. Decided June 9, 1941

[120 F.(2d) 355]

PATENTABILITY—TORCH AND METHOD OF HARDENING.

Claim to a heat treating torch and claim for a method of hardening metal objects *Held* patentable over the prior art.

APPEAL from Patent Office. Reversed.

Mr. Charles C. Scheffler and *Mr. Eugene L. Greenewald* (*Mr. Horace B. Van Valkenburgh III* of counsel) for Taylor.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

HATFIELD, *J.:*

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting claims 6 and 11 in appellant's application for a patent for an alleged invention relating to a heating torch as defined in claim 6, and for a method of hardening metal objects as defined in claim 11.

The claims read:

6. A heat treating torch comprising a burner end having a cooling chamber and a passage adjacent thereto *having an outlet* for discharging a jet of heating gas against a portion of a piece of work; means for supplying a combustible mixture of gases to said discharge passage; means for supplying water to said cooling chamber; and means for discharging, *from said burner end through an outlet closely adjacent the outlet through which the jet of heating gas is discharged*, such cooling water as a cooling jet directed at an angle away from said heating jet and against the work at a point spaced from the portion against which the jet of heating gas is discharged. [Italics ours.]

11. A method of hardening metal objects which comprises directing a heating jet of high intensity from a burner end against a portion of the object to be heated; continuously supplying a cooling medium to said burner end and passing such cooling medium through said burner end so as to prevent overheating of the same; continuously directing said cooling medium as a cooling jet *discharged from said burner end through an outlet closely adjacent the outlet through which the heating jet is discharged and* against a portion of the object closely adjacent the portion against which said heating jet is directed, said cooling jet being directed at a slight angle away from said heating jet and normally impinging upon at least a portion of the object previously heated; and effecting a relative movement between said burner end and said object to apply said heating jet and said cooling jet concurrently to successive portions of said object. [Italics not quoted.]

The references relied upon are: Fouche (French), 325,403, January 16, 1903; Fouche (French), 2,076 (addition to 325,403), October 16, 1903; Boucher (British), 225,333, December 4, 1924; Fletcher et al. (British), 294,709, August 2, 1928; Davis, 1,711,835, May 7, 1929; Le Boeuf, 1,775,532, September 9, 1930; Davis et al., 1,901,804, March 14, 1933; Stoffel et al., 1,924,296, August 29, 1933.

As will be observed from the appealed claims, the invention relates to the hardening of metal articles by means of a flame directed from the burner end of a torch against successive portions of a metal surface, together with means for discharging a cooling fluid from the burner end of the torch through an outlet closely adjacent the jet through which the heating gas is discharged and at an angle away from the heating jet. The apparatus defined in appealed claim 6 is so arranged that the cooling liquid cools the burner end as well as the heated surface of the article upon which the work is being performed.

The patent to Fouche, No. 325,403, and the addition thereto, No. 2,076, disclose means of cooling the jet end of a blowpipe nozzle. There is no disclosure in those patents, however, of means for cooling the metal surface being treated.

The patent to Boucher discloses a fuel supply tube and a burner for directing a heating flame against the surface of a railway car wheel which is arranged to rotate in front of the burner. A water conduit having a nozzle is attached to the fuel conduit, the nozzle being arranged just below the burner

"so that a jet of cooling liquid is directed against the surface of the wheel immediately behind that part of the surface on which the heating flame is impinging."

There is nothing in the patent to indicate that the patentee intended that the cooling liquid should, or, in fact, would, cool the burner end.

The patent to Fletcher et al. discloses a torch for hardening gear teeth. The torch includes a plurality of heating jets and a plurality of nozzles for cooling the heated surface of the article being treated. The cooling nozzles are arranged in the rear of the heating jets. There is no suggestion in the patent of cooling the burner ends.

The patent to Davis, No. 1,711,835, relates to a method of manufacturing malleable disk automobile wheels, and particularly to the method of hardening the brake drum portion of such wheels. The patentee discloses a torch for directing a heating flame against the article to be hardened. The torch is provided with a water nozzle "substantially opposite the position of the oxy-acetylene nozzle." By the patentee's arrangement, the flame and the cooling liquid are directed against opposite sides of the brake drum. The patentee also discloses a tank of water into which the wheel and the drum revolve immediately after the flame has been applied thereto. The Primary Examiner stated that this patent discloses a "water cooled flame hardening torch," and that the water passes through "the tube 28 to the torch 18 to cool the same."

We do not so understand the patent. The tube 28, referred to by the Primary Examiner as being a water tube, is described in the patent as an air pipe to furnish air to the fuel supply.

The patent to Le Boeuf relates to a welding device for welding relatively thin sheets of metal, and discloses a torch having a nozzle or jet from which a flame is directed against a seam to be welded. Attached to the body of the torch is a tube designed to supply a cooling liquid to the sheet being welded at points spaced from either side of the flame for the purpose of preventing the sheets from warping or buckling during the welding operation. There is no suggestion in this patent of an arrangement for cooling the heating nozzle or jet.

The patent to Davis et al., No. 1,901,804, relates to a process for removing carbon from tubes, and discloses a torch having, as stated by the Primary Examiner, a central passage through which compressed air is supplied and another passage "positioned to project a jet at an angle to the central passage." That patent was not relied upon by the Board of Appeals and has no application to the issues in this case.

The patent to Stoffel et al, discloses a blowpipe burner for directing a heating flame against a crank shaft. The patentees also disclose two nozzles for directing quenching liquids against the heated portion of the crank shaft. The crank shaft is rotated in such manner that each successive portion of its surface becomes heated as it passes under the blowpipe burner and is immediately thereafter cooled by water discharged first from one and then the other of the quenching nozzles. The patentees' blowpipe burner is also supplied with a tube carrying cooling water to prevent the burner end from overheating. The water from the latter tube, after cooling the burner end, is conveyed rearwardly from the burner end by another tube. It is not used to quench the article being hardened.

Appealed claim 6 was rejected by the Board of Appeals on the patent to Stoffel et al, in view of the patents to Fletcher et al., Boucher, and Le Boeuf. Omitting the reference letters, we quote from the Board's decision:

Appellant argues that in the Stoffel et al. disclosure the water cooled burner is separate from the quenching and cooling nozzles, but that the water that cools the burner does not serve as a work quenching medium. It is also argued that each of the quenching nozzles of Boucher, Fletcher et al. and Stoffel et al. is separate and independent from the burner and that there is no suggestion in any of these references that the heat treating torch defined in claim 6 should be provided with means for discharging the cooling water from the burner against the work.

While it is true that no one of these patents discloses the actual cooling fluid as performing a cooling function on both the burner and the work, the Stoffel et al. patent does disclose the use of cooling fluid for the burner and it is considered that it would not amount to invention to use the same cooling fluid that passes through the burner of Stoffel et al. as a cooling medium on the work. These patents contain the suggestion of cooling both the burner and the work and it is believed that to use the same cooling fluid for both, as indicated in claim 6, does not amount to a patentable improvement.

Appellant has proposed certain amendments to claims

6 and 11, but it is believed that these amendments would not render the claims patentable. Hence, they have not been considered. It is recommended that the proposed amendments to claims 6 and 11 be entered for purposes of appeal, if applicant so desires.

The amendments to the claims referred to in the quoted excerpt from the Board's decision are the italicized portions of the claims hereinbefore quoted.

Claim 11 was rejected by the Board on the patents to Fletcher et al., on Boucher in view of Stoffel et al. and Davis, the Board stating:

It is the Examiner's position that since the art has recognized that the torch should be cooled, it would not amount to invention to pass the cooling or quenching fluid through the torch to produce a larger amount of cooling of the torch and also that to have the single cooling jet directed at a slight angle to the heating jet does not amount to a patentable variation.

It will be observed that the only reference which discloses means for cooling both the heating jet and the work being treated is the patent to Stoffel et al. However, as hereinbefore stated, that reference discloses a water supply tube for cooling the heating jet and also two other water supply tubes for cooling the heated crank shaft. There is no suggestion in that patent, nor in any of the references of record, of providing a torch with a liquid supply tube for cooling both the heating jet and the article being treated.

The patent to Stoffel et al. might, of course, be modified in the light of appellant's disclosure so as to provide liquid supply means for cooling the heating jet end and the article being heat treated. However, such modification would eliminate two of the quenching nozzles disclosed in the patent without eliminating their functions, and would require a rearrangement of the quenching nozzle disclosed therein for cooling the heating jet. Such a modification of the structure disclosed by Stoffel et al. is not suggested by the references, either singly or in combination, nor do we think such a modification would be obvious to one skilled in the art.

It is contended by counsel for appellant that by appellant's arrangement the cooling liquid is discharged from the cooling nozzle in close proximity to the heating flame without interfering with the heating operation; that a more effective transfer of heat from the burner end to the cooling medium takes place because of the fact that the cooling medium comes into direct contact with the metal of the burner end; and that a larger amount of the cooling liquid may be discharged against the heated surface of the work, thereby preventing reheating of a quenched and hardened surface portion "by residual heat in another portion of the body being treated."

It is apparent that appellant's structure is more compact and, therefore, may be handled with greater ease than the prior art structures, and that the hardening operation can be carried out more effectively and efficiently.

Claim 11 defines the process carried out by the structure defined in appealed claim 6.

For the reasons herein stated, we are constrained to disagree with the views expressed by the tribunals of the Patent Office that the appealed claims do not involve invention. Accordingly, the decision of the Board of Appeals is reversed.

Reversed.

U. S. Court of Customs and Patent Appeals

IN RE ROSENBLATT

No. 4,339. Decided April 1, 1941

[118 F.(2d) 590]

1. APPEAL—ASSIGNMENT OF ERROR.
   Assignments of error reading, "The Board of Appeals erred in affirming the Examiner as to his rejection of claims 4, 5, 6, 8, and 9" and "The Board of Appeals erred in not allowing claims 4, 5, 6, 8, and 9" are not sufficiently specific in character to meet the requirement of Rule XXV of the Court of Customs and Patent Appeals.
2. SAME—SAME.
   Rule reaffirmed that those appealing to the Court of Customs and Patent Appeals should give to the court by specific assignments and with particularity all grounds of alleged error upon which they rely.
3. SAME—SAME.
   "This court does not wish to seem super-technical, but it is entitled to have from those appealing a clear and specific statement of the exact points relied upon, and upon this we must insist."

APPEAL from Patent Office. Affirmed.

Mr. Frederic P. Warfield for Rosenblatt.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

GARRETT, *P. J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the Examiner's rejection, based upon prior art, of five claims embraced in an application for patent "for Display Device."

Three claims stand allowed.

The rejected claims are numbered 4, 5, 6, 8, and 9, respectively.

At the conclusion of the oral argument before us counsel for appellant moved to dismiss the appeal as to claim 4, which motion will be allowed.

Claim 5 is illustrative of the subject matter. It reads:

5. A display device for illuminated signs and the like comprising a light-transmitting evacuated tube, a supply of low-boiling liquid in the tube, and means in the tube for promoting vaporization of liquid beneath the surface of the liquid upon production of a suitable temperature gradient between the extremities of the tube, thereby causing a succession of bubbles to rise through the said liquid, the said means comprising a quantity of material containing a plurality of interstices for retaining a portion of the said vapor and holding the thus-entrapped vapor, thereby facilitating a continuous and substantially regular liberation of vapor therefrom.

The claim of itself is probably sufficient to indicate to those skilled in the art the nature of the alleged invention, but in elucidation of it the brief on behalf of appellant states:

The subject matter of the invention relates to display signs in which are provided a plurality of letters or other indicia made of transparent tubing and containing a colored liquid having a low boiling temperature. The letters or other indicia are formed of individual units each of which has a quantity of the liquid sealed within it under reduced atmospheric pressure. Bubbles are caused to pass upwardly through the tubing as liquid circulates downwardly, and the letters or other indicia are illuminated by a light from behind, so that the movement of the bubbles attracts attention to the sign.

The claims under rejection are directed to such a display device containing a material for initiating and maintaining a continuous and steady movement of bubbles within the tube. Three claims specifying this material as "glass wool" have been allowed.

An unhappy situation is presented here by reason of the deficiency of appellant's reasons of appeal.

In rejecting the claims the Examiner cited four prior patents, to wit: Kreusler, 502,418, August 1, 1893; Field, 1,966,442, July 17, 1934; Sechi, 1,977,093, October 16, 1934; Fioravanti, 2,031,409, February 18, 1936.

The Board in express terms approved the Examiner's rejection in view of the art so cited.

After so affirming, the Board went further in its decision, saying:

We find a new reference which appears more analogous to applicant's particular combination as comprising merely a small straight glass tube for boiling of liquids and with some glass beads or scraps of platinum foil in the base thereof to prevent bumping. This reference is Fig. 375, page 387 and descriptive matter, lines 5 and 6 from the bottom of page 386 of Ganot's Physics, 18th Edition, published by William Wood and Company, 1910, New York city. The disclosure occurs under the section entitled "Boiling-Ebullition." Claims 4, 5, 6, 8, and 9 are also rejected upon this citation under the provisions of rule 139.

As reasons of appeal to this court appellant assigned only the following:

1. The Board of Appeals erred in affirming the Examiner as to his rejection of claims 4, 5, 6, 8, and 9.
2. The Board of Appeals erred in rejecting claims 4, 5, 6, 8, and 9 on the newly cited reference, pages 386–387 of Ganot's Physics, 18th Edition.
3. The Board of Appeals erred in not allowing claims 4, 5, 6, 8, and 9.

[1] We think it obvious that assignments 1 and 3 are not sufficiently specific in character to meet the requirement of Rule XXV of this court.

This is a rule of long standing and conforms with the statutes which define our jurisdiction in patent cases. R. S. § 4912 (35 U. S. C. A. § 60), R. S. § 4913 (35 U. S. C. A. § 61), R. S. § 4914 (35 U. S. C. A. § 62).

[2] In the case of *In re Laura Schneider*, 17 C. C. P. A. (Patents) 952, 39 F.(2d) 278, 396 O. G. 348, which came before us during the first year of our patent jurisdiction, we had occasion to say:

Those appealing to this court should give to the court by specific assignments and with particularity all grounds of alleged error upon which they rely.

[3] The reason for and the philosophy of the rule, even aside from the statutory provisions, are so clear that no extensive discussion of those matters need be indulged. This court does not wish to seem super-technical, but it is entitled to have from those appealing a clear and specific statement of the exact points relied upon, and upon this we must insist. *In re Thomas and Hochwalt*, 23 C. C. P. A. (Patents) 1238, 83 F.(2d) 902, 470 O. G. 944, and *In re Wheeler*, 23 C. C. P. A. (Patents) 1241, 83 F.(2d) 904, 470 O. G. 945.

It follows that in the instant case we do not have reasons of appeal stated in a manner which would justify our reviewing the rejection made by the Examiner and approved by the Board upon the basis of the patents cited by the Examiner. So, even though the second reason of appeal be a sufficient basis upon which to review that part of the Board's decision which rests upon the publication newly cited by it as a reference, and even were we to disagree as to its sufficiency, the decision based upon the other references would have to be affirmed. *In re Ball*, 23 C. C. P. A. (Patents) 830, 81 F.(2d) 242, 466 O. G. 244.

Under such circumstances, it would avail appellant nothing for us to review the issue raised by his second reason of appeal, and we refrain from so doing. The appeal is dismissed as to claim 4.

The decision of the Board is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE COHEN, GOLDMAN & CO., INC.

No. 4,458. Decided May 6, 1941

[119 F.(2d) 599]

1. APPEAL—TRADE-MARKS—REFUSAL OF REGISTRATION UNDER ACT OF 1920.
   No appeal lies to the Court of Customs and Patent Appeals from a refusal by the Commissioner to register a mark under the Trade-Mark Act of March 19, 1920.
2. TRADE-MARKS—CONFUSING SIMILARITY.
   The composite mark comprising the words British Knockabout Model printed in white upon and extending diagonally across a black rectangle, white lines upon the rectangle defining a rectangular enclosure for the words and also defining a larger rectangle enclosing the smaller rectangle within which the words appear, for use on men's, boys', and children's outer garments, consisting of coats, vests, pants, and trousers *Held* confusingly similar to the marks "Knockabout" and "Nockabout", both previously registered to others for use on goods of the same nature.

APPEAL from the Patent Office. Affirmed.

Mr. Wm. H. Pattison (*Messrs. Borowsky & Burrows, Benjamin Burrows and Pattison, Wright & Pattison* of counsel) for Cohen, Goldman & Co., Inc.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

GARRETT, *P. J.*:

This is an appeal from the decision of the Commissioner of Patents affirming that of the Examiner denying appellant's application for the registration of a trade-mark "for men's, boys' and children's outer garments, consisting of coats, vests, pants and trousers," which mark is described in the brief for appellant as follows:

The mark sought is a composite mark and comprises the words British Knockabout Model printed in white upon and extending diagonally across a black rectangle. White lines upon the rectangle define a rectangular enclosure for the aforesaid words and also define a larger rectangle enclosing the smaller rectangle within which the words appear.

In the application it was stated, "Applicant disclaims the word 'Model' apart from the mark shown in the drawing."

The record discloses a state of facts which has led the Solicitor for the Patent Office to suggest, before us, the thought that a question of this court's jurisdiction may be involved.

The application as filed, November 26, 1938, sought registration under the provisions of the Trade-Mark Registration Act of February 20, 1905, and alleged use of the mark "since September 1st, 1938."

January 13, 1939, the Examiner rendered decision refusing the registration for reasons stated in the decision. January 26, 1939, applicant asked for reconsideration. February 24, 1939, the Examiner

"repeated" his refusal. Thereupon, under date of March 1, 1939, counsel for applicant addressed a "Letter to Office," reading:

Hon. Commissioner of Patents.
Sir:

Responsive to Office letter dated February 24th, 1939;

The undersigned will, at the proper time, amend the application, so as to bring same under the act of 1920.

The undersigned desires to know whether it is the intent of said Office letter that the reference citations therein mentioned, preclude registration of applicant's mark in any event.

To the above the Examiner responded under date of March 18, 1939:

Applicant is advised that the references of record preclude applicant's registration under the 1920 act.

No amendment to the application to bring it under the 1920 act was entered, and appeal was taken to the Commissioner. No errors were assigned in that appeal but the statement of the Examiner made after the appeal treated it as an "appeal from the refusal of the Examiner to allow registration under the act of February 20, 1905," and discussed it upon that basis. Also, as we understand the statement, he set forth reasons for refusing registration under the 1920 act.

In his decision the Commissioner in stating the case referred to it as an appeal from the refusal to register the mark under the 1905 act, but said:

The Examiner held that, because it includes undisclaimed geographical and descriptive matter, the mark is nonregistrable under the act of 1905; but as applicant has now expressed its willingness to accept registration under the act of March 19, 1920, that ground of refusal need not be passed upon.

Registration was also refused on the ground that applicant's mark is confusingly similar to the marks "Knockabout" and "Nockabout", both previously registered for merchandise of the same descriptive properties as that set forth in the application. It must be admitted, as urged by counsel, that those two marks are more nearly similar to each other than is applicant's mark to either; but that fact adds nothing to the registrability of applicant's mark. See *Pepsodent Co.* v. *Comfort Manufacturing Co.*, 23 C. C. P. A. 1224, 83 Fed. (2d) 906, and cases there cited. As I am constrained to agree with the Examiner that confusion would be likely to result from the concurrent use of applicant's mark and either of the registered marks, it follows that in my opinion the registration applied for was properly refused.

From the foregoing it appears that while the Commissioner deemed it unnecessary to pass upon the geographical and descriptive ground of refusal stated by the Examiner, he did pass upon and approved the Examiner's rejection under the 1905 act on the ground of confusing similarity.

In appealing to this court appellant stated six reasons of appeal, the fifth of which read:

The Commissioner erred in refusing to allow registration of the mark under the Trade-Mark Act of 1905.

In the brief before us, however, appellant stated:

In this appeal appellant will depend upon, urge and argue errors Nos. 1 to 4 inclusive as set forth in appellant's Notice of Appeal * * * to this court.

Those four reasons of appeal, as we view them, might apply to refusals under either of the acts, but in view of the apparent abandonment of the fifth reason, the only one which mentions the 1905 act, we have experienced difficulty in determining just what scope appellant intended its appeal should have.

[1] It has been settled, however, that no appeal lies to this court from a refusal by the Commissioner to register a mark under the act of 1920. *U. S. Compression Inner Tube Co.* v. *Climax Rubber Co.*, 53 App. D. C. 370, 1923 C. D. 211, 312 O. G. 400.

[2] We, therefore, treat the appeal before us as being from the refusal of registration under the act of 1905 and consider it solely on that basis. We should have no hesitation in affirming a decision of rejection under that act on the ground of descriptiveness were that ground before us, but we are also in agreement with the holding that the mark is confusingly similar to the marks "Knockabout" and "Nockabout", previously registered to others for use on goods of the same nature, and that confusion as to origin would be likely to result from the concurrent use of applicant's mark and either of the other previously registered marks, and so rest our decision on that basis.

The decision of the Commissioner denying registration under the act of 1905 is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

MISHAWAKA RUBBER AND WOOLEN MANUFACTURING COMPANY *v.* THE H. C. GODMAN COMPANY

No. 4,481. Decided May 5, 1941

[119 F.(2d) 425]

1. APPEAL—QUESTION NOT SUGGESTED BELOW.

"In appellant's brief before us it is sought to raise the question as to 'Bel-View' being a geographical term. This does not appear to have been suggested below and it is not referred to in the reasons of appeal. Under such circumstances, we must decline to consider it."

2. TRADE-MARKS—CONFUSING SIMILARITY.

The composite trade-mark for use on boots and shoes comprising the notation "Bel-View" prominently displayed within a pair of approximately circular lines in association with the picture of a nurse's head and the disclaimed words "Nurse Oxford", all upon a red panel, which panel is generally circular in form, has irregular edges, and whose outline somewhat resembles that of a wax impression seal *Held* not confusingly similar to a trade-mark that is the representation of a circular figure or ball colored red used on goods of the same descriptive properties.

APPEAL from the Patent Office. Affirmed.

Mr. Eugene M. Giles (*Mr. Charles R. Allen* of counsel) for Mishawaka Rubber and Woolen Manufacturing Company.

Mr. Warren H. F. Schmieding (*Mr. Watts T. Estabrook* of counsel) for the H. C. Godman Company.

GARRETT, *P. J.*:

This is an appeal from the decision of the Commissioner of Patents in a proceeding which arose in the United States Patent Office wherein appellant opposed an application made by appellee for the registration of a trade-mark for boots and shoes. The decision of the Commissioner affirmed the decision of the Examiner of Interferences dismissing the notice of opposition filed by appellant and adjudging applicant "entitled to the registration for which it has made application."

The respective marks were described by the Examiner of Interferences as follows:

The mark shown in the application here involved comprises the notation "Bel-View" prominently displayed within a pair of approximately circular lines in association with the picture of a nurse's head and the disclaimed words "Nurse Oxford", all upon a red panel. This panel, which is generally circular in form, has irregular edges, its outline somewhat resembling that of a wax impression seal.

The mark here relied upon by the opposer, as described in registration No. 36,471 pleaded by the latter, is the "representation of a circular figure or ball colored red." This mark is applied in various sizes to opposer's goods and containers therefor in the manner shown, for example, by Exhibits 5 to 8.

It should be understood that appellant's trade-mark as registered consists solely of a disk or ball of a reddish color. In use it sometimes is accompanied by the words "Ball" and "Band", also by the notation "Ball-Band." When so accompanied, however, the words, which constitute no part of the registered mark, are not imposed upon the disk. Exhibits on file show that in some cases the word "Ball" appears to the left of the disk and the word "Band" to the right, while in other instances "Ball-Band" appears in arcuate arrangement above the disk.

Both parties sell boots and shoes to which the respective marks are applied. Their goods are not identical in type, but it is not questioned that they are of the same descriptive properties, nor is it questioned that appellant began the use of, and registered, its mark many years prior to any use by appellee of its mark. The question to be determined, therefore, is, as stated by the Commissioner, "whether applicant's mark so nearly resembles the mark of opposer as to be likely to confuse the public or to deceive purchasers."

Both tribunals below were in agreement not only as to the conclusion but in the reasoning upon which that conclusion was based. The Commissioner expressed the common view of both tribunals in the following terms:

Their only resemblance is that in background applicant's mark is the same color, and roughly the same shape, as opposer's. This background, however, is obscured by other matter to such an extent that it becomes relatively insignificant. Regardless of testimony to the contrary, it is my opinion that applicant's mark is dominated by the nurse's head and the notation "Bel-View"; and I think those are the features that would impress the mind of the average purchaser.

Obviously there could be no resemblance between the marks except in appearance; and as they differ sufficiently in that respect to insure against any reasonable likelihood of confusion, the opposition was properly dismissed.

In appealing to this court appellant presented a large number of reasons of appeal, many of them being conventional in character and requiring no specific attention.

The depositions of two persons connected with appellee's company were taken on its behalf and certain stipulated evidence was introduced on behalf of appellant.

It will be observed that in that part of his decision quoted, supra, the Commissioner said,

"Regardless of testimony to the contrary, it is my opinion that applicant's mark is dominated by the nurse's head and the notation 'Bel-View'; and I think those are the features that would impress the mind of the average purchaser."

Several of the reasons of appeal relate to this holding and constitute the subject matter most strongly emphasized in appellant's brief before us. It is alleged that the Commissioner erred

"In relying on an inspection of the marks instead of the probable recollection thereof by ordinary purchasers";
"In ignoring and failing to give proper weight to the testimony";
"In disregarding the testimony that the red color is a distinctive feature of applicant's mark";
"In disregarding the testimony that the nurse's head is not a distinctive feature,"

and

"In holding contrary to the proofs that the nurse's head and the notation 'Bel-View' are the features of the applicant's mark that would impress the mind of the average purchaser."

The meaning of appellant's reason of appeal respecting the Commissioner's holding based on "inspection of the marks instead of the probable recollection thereof by ordinary purchasers" is not clear to us. Probable recollection by ordinary purchasers is, at most, highly speculative and no testimony was offered to indicate what such recollection was or might be as to the marks here involved. That it is proper for the Commissioner and the courts to inspect contesting marks and make visual comparison of them as an aid in determining the likelihood of confusion is a rule so well established that no citation of authority need be stated in its support. In the case of design marks in particular such visual comparison is not only proper but necessary.

The testimony alleged to have been disregarded by the Commissioner seems to have been certain statements made by appellee's witnesses. We have examined that testimony carefully and it seems to us to have been misinterpreted by appellant and that appellant also may have misunderstood the precise meaning which the commissioner intended to convey by the language quoted from his decision.

Appellee's witness, McGinty, testified that prior to the adoption of the mark in controversy appellee used "a stamp consisting of a nurse's head in square outline," and stated that the change was made "To differentiate our product from competition and principally foreign competition." The brief on behalf of appellant quoted from an answer made on cross-examination by appellee's witness Crompton (who stated that he was responsible for the adoption of the involved mark). "The nurse's head on Exhibit 'B' [a shoe stamped with prior mark] gives no indication whatsoever as to the origin of the product," but fails to quote the remainder of the answer which reads "while the name Belview on Exhibit 'A' [a shoe bearing the involved mark] has become known as the product of the H. C. Godman Company."

In answer to a further cross-interrogatory Crompton said:

Exhibit "A" by all means presents a much better reproduction of the nurse because of the background or border that surrounds the nurse's head.

During the cross-examination of Crompton, counsel for appellant introduced in evidence as its Exhibit 9, a shoe bearing a mark whose outlines are somewhat similar to those of the involved mark

but having the notation "Schiffs" instead of "Bel-View", and the witness was asked a number of questions concerning that mark. We are unable to discern the relevancy of that testimony here, but, assuming its relevancy, we find nothing in it which seems to support the contention that the nurse's head was regarded by appellee as not being a distinctive feature of the composite mark at issue.

We do not find that the Commissioner ignored any testimony given respecting the red color being a distinctive feature, nor are we able to find any testimony which fairly construed can properly be said to be to the effect that the nurse's head is not a distinctive feature. The evidence when properly analyzed seems to us to be to the contrary, but whatever may be the situation in that regard the nurse's head does appear as a part of the mark not disclaimed, and the notation "Bel-View" also appears as has been described. These superimposed upon the background, although such background is red, create a mark which it seems to us is so distinctly different from the plain design disk of appellee that no confusion is likely to result.

Incidentally it may be said that appellant seemingly seeks to have us dissect the mark of appellee, and consider it piecemeal. Clearly the mark must be considered as an entirety. *Estate of P. D. Beckwith, Inc.*, v. *Commissioner of Patents*, 252 U. S. 538; *United States Gypsum Co.* v. *The American Gypsum Co.*, 27 C. C. P. A. (Patents) 907, 109 F.(2d) 659, 518 O. G. 538.

The following from the brief on behalf of appellee is pertinent:

> When dealing with a combination trade-mark, i. e., trade-marks including both designs or symbols and words, differences between the marks are accentuated by the use of the word portions of the marks of the respective parties, *A. J. Krank Co.* v. *Delaware Cosmetics, Inc.*, 23 U. S. P. Q. 324; 9 F. Supp. 110.
>
> Whether mere color can constitute a valid trade-mark may admit of doubt. Doubtless it may, if it be impressed in a particular design, as a circle, square, triangle, a cross, or a star. But the authorities do not go farther than this. *A. Leschen & Sons Rope Co.* v. *Broderick and Bascom Rope Co.*, 201 U. S. 166, 171.
>
> In design trade-marks, consideration of likelihood of confusion must be confined to a comparison of the physical appearance of the marks. *United States Gypsum Co.* v. *The American Gypsum Co., supra; Corning Glass Works* v. *Paemantier et al.*, 30 F. Supp. 261; 44 U. S. P. Q. 205; *Estate of P. D. Beckwith, Inc.*, v. *Commissioner of Patents, supra; E. C. DeWitt & Co., Inc.*, v. *Brewer & Co., Inc.*, 31 U. S. P. Q. 163.

Another contention of appellant is that the Commissioner erred

> "In disregarding the appropriation by applicant of opposer's entire mark and failing to hold that applicant, because of such appropriation, is not entitled to registration."

We think this contention is erroneous as to the alleged fact recited therein. As we view it, appellee did not appropriate appellant's design and merely add to it. It formed a design of its own differing in detail from that of appellant and made additions of words to its own design. The authorities cited by appellant upon this phase of the case are not applicable here and need not be discussed.

Appellant contends further that any doubt which exists should be resolved against appellee as a newcomer, saying, inter alia, in the concluding portion of its (appellant's) brief,

> "Placing the stamp of approval on marks such as applicant seeks to register would undoubtedly establish a precedent encouraging others to appropriate opposer's mark in like manner."

We deem it sufficient to say that in this case we do not think there is room for any reasonable doubt. Any other cases that may arise will have to be decided upon the facts which they present.

[1] In appellant's brief before us it is sought to raise the question as to "Bel-View" being a geographical term. This does not appear to have been suggested below and it is not referred to in the reasons of appeal. Under such circumstances, we must decline to consider it.

[2] We think the tribunals of the Patent Office reached the correct conclusion and the decision of the Commissioner is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE FARNUM

No. 4,469. Decided June 9, 1941

[120 F.(2d) 637]

PATENTABILITY—SHOWER BATH CABINET.

Claim to a shower bath cabinet provided with a seat bridging one of the corners of the cabinet *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. John J. Darby and *Mr. Clair W. Fairbank* for Farnum.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

JACKSON, *J.:*

This is an appeal from a decision of the Board of Appeals of the United States Patent Office, affirming that of the Examiner rejecting for want of patentability over the prior art all of the claims, 2, 5, and 8, of an application for a patent for alleged new and useful improvements in shower baths.

No appeal was taken from the rejection of claims 5 and 8. Claim 2 reads as follows:

> 2. In combination, a rectangular shower bath enclosure having one side open from top to bottom and having a plurality of vertical walls arranged in right angular relation to each other, a downwardly directed shower head at the upper part of said enclosure, and a seat consisting of a substantially horizontal bar extending across and spaced from a corner between two adjacent walls and supported thereon, the front edge of the seat being not substantially farther from said corner than from the center of the enclosure, and said seat being out of the path of the main portion of the spray, and permitting one to stand away from said seat while under the spray, or sit on said seat substantially out of the spray.

The references cited are: Albrecht, 1,005,789, October 17, 1911; Swift, 1,426,519, August 22, 1922; Laufer, 1,994,429, March 12, 1935; Peterson et al., 2,081,763, May 25, 1937.

The alleged invention relates to a shower bath of the square cabinet type with a curtained entrance, provided with a seat which bridges one of the corners of the cabinet and which is supported upon the walls forming the corner.

The patent to Swift discloses a circular shower bath chamber in which a seat is provided attached to the wall thereof. The seat appears to be substantially under the shower head. This patent was relied upon below as the basic reference. It is not necessary to discuss the other references as they were applied by the tribunals of the Patent Office to claims 5 and 8 which involved the structure set out in fastening the seat to the walls.

The use of a rectangular cabinet shower bath with one side open from top to bottom is old and commonly known. The sole question, therefore, before us is whether or not it required exercise of the inventive faculty to place a seat in such a shower,

> "the front edge of the seat being not substantially farther from said corner than from the center of the enclosure, and said seat being out of the path of the main portion of the spray, and permitting one to stand away from said seat while under the spray, or sit on said seat substantially out of the spray."

Of course, in order to be out of the spray of a shower bath in a cabinet the floor area must be sufficiently large so that the bather may step beyond the circumference of the spraying water. If the cabinet is large enough that may be done, and probably a chair placed in the corner of such a cabinet would permit the bather to sit and soap himself or perform any of the bathing acts that may be deemed to be desirable away from the water's force. In closer quarters, however, a chair would hardly be a suitable adjunct to the bath. It might be, however, that one could more conveniently pursue his shower bathing in a shower cabinet of ordinary size if it were provided with a seat such as is disclosed by appellant. To that extent the seat would be useful. However, we do not see how it would involve invention for one to put a seat in the cabinet attached to two of its adjoining walls. Naturally, anyone with a modicum of mechanical perception and skill would, if he desired such a seat, place it so that it would be as much out of the way of the main portion of the spray as possible. This would not require much mathematical calculation.

The concept of having a seat in a shower bath is old, as shown by Swift. Therefore there can be no invention in providing a cabinet shower bath, which is concededly old, with a seat. The placing of the seat, as was done by appellant, is merely utilizing a corner space by placing therein a shelf to be used as a seat and not having the seat so wide that its outer edge may be in the path of the main portion of the spray. We cannot see anything in what appellant has done which is not obvious to almost anyone, particularly in light of the disclosure in the Swift patent.

The decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,504,178, G. Young, Process for the production of ethers of carbohydrates, filed July 15, 1941, D. C., E. D. Wis. (Milwaukee), Doc. 566, *M. C. Sweet* v. *Hercules Powder Co., Inc.* Doc. 567, *M. C. Sweet* v. *Sherwin-Williams Co.*

1,536,627. (See 1,994,189.)

1,567,583. (See Re. 16,481.)

1,628,062, N. P. Petersen, Coin slot mechanism for vending machines, D. C., S. D. Calif., C. Div., Doc. 343–B, *A. M. Petersen* v. *Coast Cigarette Vendors, Inc., et al.* Dismissed with prejudice July 7, 1941.

1,628,229, P. J. Christman, Jr., Soap sheet pack, filed July 18, 1941, D. C., S. D. Iowa (Ottumwa), Doc. 13, *Bay West Paper Co.* v. *Velso Products Co.*

1,655,481, D. L. Van Leuven, Running gear; 1,926,727, G. L. Knox, Six wheel attachment for motor vehicles, filed July 15, 1941, D. C., S. D. Calif. (Los Angeles), Doc. 1650 Y, *Six Wheel Corp. et al.* v. *Fager Corp.*

1,719,807. (See Re. 19,908.)

1,719,820. (See Re. 19,908.)

1,721,416. (See Re. 17,624.)

1,737,670, J. W. Ogden et al., Mailing machine; 2,130,897, J. W. Ogden, Timed tripping device; 1,995,577, Ogden & Donaldson, Driving mechanism for postage meter machines, filed July 11, 1941, D. C., S. D. N. Y., Doc. 15/75, *Pitney-Bowes Postage Meter Co.* v. *National Postal Meter Co., Inc.*

1,801,193, J. M. Darst, Bag closure, filed June 16, 1941, D. C. Md., Doc. 1224, *Rogers Imports, Inc.*, v. *J. F. Obrecht & Co.*

1,812,811. (See Re. 17,624.)

1,843,768. (See Re. 17,624.)

1,844,146, B. J. Chromy, Apparatus and method for sound reproduction, filed July 18, 1941, D. C., S. D. N. Y., Doc. 15/118, *B. J. Chromy* v. *Western Electric Co., Inc.*

1,845,392, 1,881,996, G. M. Bicknell, Carburetor; 1,879,053, L. D. Boyce, same; 1,894,354, Kommer & Henning, same; 1,961,747, W. M. Ewart, same, D. C. Md., Doc. 666, *Carter Carburetor Corp.* v. *Shipley Auto Parts.* Patents held valid and infringed, injunction June 4, 1941.

1,848,086. (See 2,012,460.) 1,879,053. (See 1,845,392.)

1,881,996. (See 1,845,392.) 1,894,354. (See 1,845,392.)

1,895,354. (See Re. 17,624.)

1,895,364. (See Re. 17,624.)

1,926,727. (See 1,655,481.)

1,944,930, H. C. Drake, Flaw detector, filed July 9, 1941, D. C., S. D. N. Y., Doc. 15/60, *Sperry Products, Inc.*, v. *Association of American Railroads et al.*

1,961,747. (See 1,845,392.)

1,994,189, F. L. Brown, Life preserver jacket; 1,536,627, T. I. Potter, same, filed July 17, 1941, D. C., S. D. N. Y., Doc. 15/106, *The American Pad & Textile Co.* v. *Cluff Fabric Products, Inc.*

1,995,577. (See 1,737,670.)

2,007,730. (See Re. 19,908.)

2,012,460, E. J. Vallen, Curtain-operating apparatus; 1,848,086, V. H. Volland, Curtain-operating mechanism, C. C. A., 8th Cir., Doc. 11926, *E. J. Vallen et al.* v. *Volland Scenic Studios, Inc., et al.* Judgment of District Court modified July 17, 1941. Doc. 11927, *Volland Scenic Studios, Inc., et al.* v. *E. J. Vallen.* Decree as above.

2,081,480. (See Re. 19,908.)

2,096,119, Lensch & Leder, Metal spray gun, D. C., S. D. Calif., C. Div., Doc. 201–RJ, *R. Lensch et al.* v. *Metallizing Co. of America et al.* Judgment for defendants holding patent valid but not infringed; dismissed with prejudice July 9, 1941.

2,101,881. (See Re. 19,908.)

2,128,132, L. T. Frederick, Socket, D. C., S. D. N. Y., Doc. 10/51, *Continental-Diamond Fibre Co.* v. *A. W. Franklin Mfg. Corp.* Stipulation of dismissal without prejudice (notice July 17, 1941).

2,130,897. (See 1,737,670.)

2,135,124, L. G. Englar, Display device, filed July 8, 1941, D. C., S. D. N. Y., Doc. 15/52, *Double E Patents, Inc.*, v. *Harry's Cigar Store.*

2,156,519, C. P. Walker, Means for measuring the location of obstructions in wells; Re. 21,383 (of 2,161,733), same, Method of determining fluid density, fluid pressure and the production capacity of oil wells, filed July 16, 1941, D. C., S. D. Calif., C. Div., Doc. 1655–H, *C. P. Walker et al.* v. *Halliburton Oil Well Cementing Co.*

2,158,849. H. D. Blake, Electric lamp; 2,200,978, same, Lamp holders, filed July 17, 1941, D. C., E. D. N. Y., Doc. 2160, *General Electric Co.* v. *Leviton Mfg. Co.*

2,161,733. (See 2,156,519.) 2,168,304. (See 2,230,931.)

2,170,922. (See Re. 20,702.)

2,181,856. (See Re. 19,908.)

2,200,443, E. C. Dench, Discharge lamp circuit; 2,228,210, R. F. Hays, Jr., Gaseous relay device, filed July 11, 1941, D. C. R. I., Doc. 124, *Westinghouse Electric & Mfg. Co.* v. *The Lloyd Products Co. et al.*

2,200,978. (See 2,158,849.)

2,205,005, E. E. Anderson, Machine for forming bottoms of bags, filed July 3, 1941, D. C., S. D. Calif., C. Div., Doc. 1634-H, *Anderson Bag Machine Co.* v. *H. A. Mead et al.*

2,218,371, O. C. Zachar, Combination fill and vent box, filed July 2, 1941, D. C., E. D. Pa., Doc. 1617, *R. Zachar* v. *R. M. Morford.*

2,228,210. (See 2,200,443.)

2,229,704, Markel & Weinberg, Electric lighting fixture of portable wall lamp type, filed July 10, 1941, D. C., N. D. Ohio, E. Div., Doc. 20869, *Markel Electric Products, Inc.*, v. *Railley Co.*

2,232,062, I. Gurwick, Fabrication of sheet material, filed July 17, 1941, D. C., S. D. N. Y., Doc. 15/113, *Shellmar Products Co.* v. *Comet Envelope & Paper Co., Inc.*

Re. 16,481 (of 1,567,583), O. C. Fansler, Rail joint plate, D. C., N. D. W. Va., Doc. 35-E, *O. C. Fansler* v. *Bethlehem Steel Co.* Dismissed with prejudice July 18, 1941.

Re. 17,624, K. Schroter, Hard metal alloy and process of making same; 1,721,416, same, Hard metal composition; 1,895,354, F. G. Taylor, Resintered hard metal composition; 1,895,364, S. P. Billings, Method of salvaging and resintering cemented carbides; 1,812,811, B. Strauss, Sintered hard metal alloy and articles made thereof; 1,843,768, S. L. Hoyt, Hard metal composition and method of making same, D. C., S. D. N. Y., Doc. 3/421, *General Electric Co. et al.* v. *Master Wire Die Corp. et al.* Consent judgment (notice July 10, 1941).

Re. 19,908, A. A. Kucher, Refrigerating machine; 1,719,820, 1,719,807, same, Refrigerator; 2,081,480, 2,007,730, M. C. Terry, Refrigerating apparatus; 2,101,881, Terry & Buckley, same; 2,181,856, G. S. McCloy, same, D. C. Md., Doc. 921, *Westinghouse Electric & Mfg. Co.* v. *Blum's, Inc.* "Case settled" June 26, 1941.

Re. 20,702, H. H. Harr, Method of and apparatus for dispensing beverages; 2,170,922, same, Beer dispensing faucet, filed July 17, 1941, D. C., N. D. Ohio, E. Div., Doc. 20874, *H. H. Harr* v. *R. Wittenberg et al.*

Re. 21,383. (See 2,156,519.)

Des. 91,558, Des. 96,099, S. W. Farber, Candelabra; Des. 96,374, same, Standard for a candelabrum, filed July 3, 1941, D. C., S. D. N. Y., Doc. 15/35, *S. W. Farber, Inc., et al.* v. *J. Lulla et al.*

Des. 96,099. (See Des. 91,558.)

Des. 96,374. (See Des. 91,558.)

Des. 105,071, T. L. Hand, Fruit juice extractor; Des. 105,335, J. M. Majewski, Jr., Fruit press, filed July 11, 1941, D. C., W. D. Mo. (Kansas City), Doc. 937, *Rival Mfg. Co.* v. *Sears, Roebuck & Co.*

Des. 105,335. (See Des. 105,071.)

Des. 121,449, Des. 121,452, S. Novak, Dress ensemble, D. C., S. D. N. Y., Doc. 10/28, *Flora Dress Co.* v. *Lombardy Dresses, Inc.* Order of judgment (notice July 7, 1941).

Des. 121,452. (See Des. 121,449.)

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,190,590, G. Potapenko, Apparatus for determining the inclination and direction of a hole, decided July 29, 1941, claims 1, 2, 3, 4, and 7.

Pat. 2,228,601, H. W. N. Hawk, Art of mounting piezoelectric crystals, decided August 22, 1941, claims 3 and 4.

Pat. 2,172,810, Delmar C. Sherman, Reenforcement for transmission lines and the like, decided August 22, 1941 claims 1, 2, and 3.

Changes in Classification

Order No. 3,564, August 28, 1941, directs:

In *class 15, Brushing, Scrubbing and General Cleaning* (Division 27), abolish the following subclasses with their definitions:

Implements

131 Fountain, reservoir carrying
132 Dust laying,
133 Reservoir as handle
134 Absorbent and cap,
135 Collapsible reservoir
136 Resilient,
137 Follower,
138 Hand-feed valve,
139 Work-operated valve,
140 Striping.

The patents contained in these subclasses have been placed in subclasses having the same numbers, established in this order.

In *class 15, Brushing, Scrubbing and General Cleaning* (Division 27), establish the following subclasses and definitions:

Implements
Combined

121.1 With applicator cleaner
121.2 With material supply chamber and receiving element,
121.3 Single chamber only.

121.1. Single or plural instruments under subclass 105 having a cleaner therefor. The majority of the patents in this subclass and the indented subclasses are for devices which include a material supply.

(1) Note.—See this class, subclass 118 and indented subclasses for similar devices wherein the applicator is a wiper.

(2) Note.—For containers having an integral applicator cleaner, see the appropriate receptacle class, such containers being classified according to the material of which they are made.

(3) Note.—Containers having a claimed applicator or claimed structure which adapts them to accommodate, house, or support an applicator are in this class (15), except special brush holders which are of the type provided for in class 206, SPECIAL RECEPTACLES AND PACKAGES, subclass 15.1.

(4) Note.—Applicator cleaners which are container attachments are classified in class 220, METALLIC RECEPTACLES, subclass 85 and indented subclasses, particularly subclass 90.

121.2. Devices under subclass 121.1 having means for feeding material from a storage chamber to a receiving element which may be of chamber form and from which the implement removes material.

Note.—This subclass also includes the so-called barometric type of feed, for a definition of which see subclass 130.5.

121.3. Devices under subclass 121.1 having a single chamber only.

The patents contained in these subclasses have been taken from class 91, Coating, subclasses 62.6, 63, 66 and 67.1 to 67.5, abolished in this order.

In *class 15, Brushing, Scrubbing and General Cleaning* (Division 27), establish the following subclasses and definitions:

Implements

130.1 With material supply
130.5 Barometric type,
131 Implement carried
131.1 Fluent solid applying (includes powder puffs),
132 Dust laying,
133 Reservoir as handle
134 Absorbent and cap,
135 Collapsible reservoir
136 Resilient,
137 Follower,
138 Hand-feed valve,
139 Work-operated valve,
140 Striping,
140.1 Striping,
140.2 Single chamber only
140.3 Applicator carried by closure
140.4 Brush.

130.1. Simple or uncombined cleaning or other implements of the type recognized in the titles of this class, having a material supply means, which material may be fluid, semi-fluid or fluent solids.

(1) Note.—See this class, subclass 105 and indented subclasses, particularly subclasses 121.1 to 126, for combined implements with material supply means.

(2) Note.—See this class, subclass 127 and indented subclasses, for implements having a material supply means wherein the material is supplied under pressure.

(3) Note.—See this class, subclass 208 and indented subclasses, particularly subclass 209, for fabrics impregnated with compositions.

(4) Note.—See this class, subclasses 250.3 and 250.4, for window cleaning attachments with material supply.

(5) Note.—For plural compartment receptacles, see the appropriate receptacle class, e. g., classes 150, CLOTH, LEATHER AND RUBBER RECEPTACLES; 206, SPECIAL RECEPTACLES AND PACKAGES; 215, BOTTLES AND JARS; 217, WOODEN RECEPTACLES; 220, METALLIC RECEPTACLES; 221, DISPENSING; 232, DEPOSIT AND COLLECTION RECEPTACLES; and 312, SUPPORTS, CABINET STRUCTURES, even though one of the compartments is disclosed for storing an applicator, where the applicator or structure for supporting the same is not claimed.

(6) Note.—See class 91, COATING, subclasses 54.4 and indented subclasses, and 62.5, for coating implements which are not hand manipulated. The line between class 91 and this class (15) in regard to hand manipulable coating implements and devices is that class 15 takes those implements and devices which include any one of the following means: brush, beater, scraper, shaker, wiper, shotter or squeegee, or a combination of any two or more of these, or a combination of any one of them with other hand manipulable instruments, unless such combinations are more specifically provided for elsewhere. Coating processes are in class 91, subclass 68 and indented subclasses, even though they include the use of a hand manipulable coating device.

(7) Note.—See class 132, TOILET, subclass 88.7, for cosmetic appliers shaped so as to aid in applying cosmetics in a definite form or pattern.

(8) Note.—For dispensing devices generally, see class 221, DISPENSING, appropriate subclasses.

130.5. Devices under subclass 130.1 in which the liquid supply chamber (otherwise sealed) has an outlet leading to a receiving chamber, which outlet is closed by liquid accumulating in the receiving chamber to stop flow thereunto except when material is removed from the receiving chamber, whereupon an amount corresponding to that removed is thereby permitted to flow out of the supply chamber to replenish the receiving chamber.

(1) **Search this class, subclass 121.2.**

(2) Note.—For constant level tanks, see class 137, WATER DISTRIBUTION, subclass 68, and class 221, DISPENSING, subclass 67.

131. Devices under subclass 130.1 having a material supply means which is carried by the implement.

131.1. Devices under subclass 131 for applying fluent solids.

Note.—See class 132, TOILET, subclass 79, for kits which may include a cosmetic applicator as one of the implements carried thereby.

132. Devices under subclass 131 in which the material supply means delivers liquid especially intended and adapted for laying the dust raised by operation of the implement.

Note.—See this class, subclass 44.

133. Devices under subclass 131 in which the material supply means serves as a handle.

Note.—See class 132, TOILET, subclass 81.

134. Devices under subclass 133 having a capillary or absorbent working portion closing the material supply means and controlling flow therefrom, together with a cap to prevent drying out or leakage.

135. Devices under subclass 133 in which the material supply means is a collapsible reservoir.

Note.—See class 221, DISPENSING, for dispensing-tubes, particularly subclass 60.

136. Devices under subclass 135 in which the collapsible reservoir is of resilient material.

137. Devices under subclass 133 in which the material supply means has a follower for dispensing its contents.

Note.—See this class, subclasses 125 and 128.

138. Devices under subclass 133 wherein the flow of the contents from the material supply means is controlled by a hand-feed valve.

139. Devices under subclass 133 wherein the flow of the contents from the material supply means is controlled by a valve unseated by the pressure of the device against the work.

140. Devices under subclass 133 in which the implement is especially adapted for delivering its contents in the form of stripes. Frequently called "marking brushes."

(1) Note.—See this class, subclass 166.

(2) Note.—See class 91, COATING, subclasses 12 and 12.01, for striping machines, and subclass 62.5, for striping implements which have a guide means for the base to be coated thereby.

(3) **Search Classes—**

33—GEOMETRICAL INSTRUMENTS, subclass 18 and indented subclasses, for scribers.

120—STATIONERY, subclasses 42 and indented subclasses, and 109 and indented subclasses, for writing, ruling and drafting pens.

140.1. Devices under subclass 131 which are designed for use as striping implements.

Note.—For striping implements wherein the supply chamber constitutes a handle, see the definition of subclass 140 of this class, and the notes thereto.

140.2. Devices under subclass 130.1 having a single chamber only.

Note.—See this class, subclass 121.3.

140.3. Devices under subclass 140.2 having an applicator carried by or on the closure member.

140.4. Devices under subclass 140.3 wherein the applicator is a brush.

Note.—See this class, subclass 159 and indented subclasses, for brush structures.

The patents contained in these subclasses have been taken for the most part from class 15, subclasses 131–140, class 91, Coating, subclasses 62.6, 63, 66, 67.1 to 67.5, and class 132, Toilet, subclass 78.5, all abolished in this order.

In *class 91, Coating* (Division 46), abolish the following subclasses with their definitions:

Implements

62.6 Striping,
63 Brush holders and cleaners,
66 Pots,
67.1 Mucilage holders
67.2 Brushes,
67.3 Scrapers,
67.4 Spreaders
67.5 Flexible cap.

The patents formerly contained in these subclasses have been placed in class 15, Brushing, Scrubbing and General Cleaning, particularly subclasses 121.1 and indented subclasses, 130.1 and indented subclasses, established in this order.

In *class 106, Compositions, Coating or Plastic* (Division 38), change the title of subclass 178 to read:

Coating or plastic compositions
Carbohydrate or derivative containing
Cellulose or derivative
Cellulose ether or ester

178 With carboxylic acid, salt or ester thereof (except wax).

In *class 132, Toilet* (Division 53), abolish the following subclass with its definition:

78.5 Powder puffs and cosmetic applicators.

The patents formerly contained in this subclass have been placed for the most part in class 15, Brushing, Scrubbing and General Cleaning, subclass 131.1, and class 132, subclass 88.7, established in this order.

In *class 132, Toilet* (Division 53), establish the following subclass and definition:

88.7 Shaped cosmetic appliers.

88.7. Devices peculiarly shaped so as to aid in applying cosmetics in a definite form or pattern.

(1) Note.—For templet type devices which aid in defining the area of application of cosmetics, see this class, subclass 88.5.

(2) Note.—For cosmetic appliers in the form of brushes, wipers, etc., not shaped as above, see class 15, BRUSHING, SCRUBBING AND GENERAL CLEANING, appropriate subclasses, particularly subclasses 130.1 and indented subclasses, and 208 and indented subclasses, and see the notes to such subclasses.

The patents contained in this subclass have been taken for the most part from class 132, subclass 78.5, abolished in this order.

In *class 15, Brushing, Scrubbing and General Cleaning* (Division 27), subclass 166, note (2) change "62.6" to *62.5*, change the period to a comma and add *combined with a guide means for the base to be coated thereby*; and in subclass 208, note (2), cancel the reference to class 132, Toilet.

In *class 21, Preserving, Disinfecting and Sterilizing* (Division 63), main class definition, cancel note VI and substitute:

VI. By cleaning:
Class 15, BRUSHING, SCRUBBING AND GENERAL CLEANING, and see the notes to the definition of such class for other cleaning apparatus and processes. Class 15 takes brushing, beating, shaking, wiping, shotting, the use of a squeegee, or the removal of material by a draft, or current of air, steam or equivalent gaseous fluid, even though a preserving, disinfecting or sterilizing agent is supplied to the devices for performing such operation.
Class 21 has no preservation, disinfecting or sterilizing by cleaning only, nor by the devices classifiable in class 15, even though a preserving, disinfecting or sterilizing agent is supplied to such devices.

In *class 88, Optics* (Division 7), subclass 75, note (3), cancel "stage".

In *class 91, Coating* (Division 46), subclass 54.4, add the following note:

(3) Note.—See class 15, BRUSHING, SCRUBBING AND GENERAL CLEANING, subclass 104 and indented subclasses, for hand operated applicators, particularly subclass 130.1 and indented subclasses;

in subclass 62.5 cancel note (2) and substitute:

(2) Note.—See class 15, BRUSHING, SCRUBBING AND GENERAL CLEANING, subclasses 105 and indented subclasses, and 130.1 and indented subclasses, for hand manipulable coating implements, and see note (6) to subclass 130.1 for the line between class 15 and this class (91) in regard thereto;

and in subclass 65 add the following notes:

(1) Note.—For paint protectors which are attached to the implement during use, see class 15, BRUSHING, SCRUBBING AND GENERAL CLEANING, subclasses 246 and 248.

(2) Note.—See class 132, TOILET, subclass 88.5, for templet type devices for use in the application of cosmetics.

In *class 92, Paper Making and Fiber Liberation* (Division 56), subclass 46, in the reference to class 137, Water Distribution, change "subclass 68" to *subclasses 68 and 78.*

In *class 106, Compositions, Coating or Plastic* (Division 38), subclass 178, number the existing note (*1*) and add:

(2) Note.—Because of their similarity in physical properties to hydrocarbon type waxes, ester type waxes, e. g., beeswax, carnauba wax, spermaceti, are placed in subclass 191 of this class.

In *class 120, Stationery* (Division 53), subclass 57, cancel the note and substitute:

Note.—See class 15, BRUSHING, SCRUBBING AND GENERAL CLEANING, particularly subclasses 121. 1 and indented subclasses, and 130.1 and indented subclasses, for similar receptacles combined with applicators not of the pen type;

and in subclass 59 add the following notes:

(1) Note.—See class 15, BRUSHING, SCRUBBING AND GENERAL CLEANING, subclasses 121.2 and 130.5, for similar structures combined with applicators not of the pen type.

(2) Note.—See class 137, WATER DISTRIBUTION, subclass 68, for barometric vessels of general application.

In *class 132, Toilet* (Division 53), subclass 74.5, in note (1), before "implements" insert *or coating,* and cancel note (2).

In *class 138, Pipes and Tubular Conduits* (Division 52), subclass 74, number the existing note (*1*) and add:

(2) Note.—For metallic receptacle seams, see class 220, METALLIC RECEPTACLES, subclass 75 and indented subclasses.

In *class 200, Electricity, Circuit Makers and Breakers* (Division 37), subclass 90, add the following note:

(3) Note.—For electromagnetic devices comprising a magnet, an armature, and a contact arrangement causing vibration or periodic motion of the armature when the magnet circuit is closed, see class 172, ELECTRICITY, MOTIVE POWER, subclass 126.

In *class 206, Special Receptacles and Packages* (Division 40), main class definition, note (1), in the reference to class 15, Brushing, Scrubbing and General Cleaning, before "123" insert *121.2*; change the reference to class 91, Coating, to read:

91—COATING, subclasses 54.4 and indented subclasses, and 62.5;

change the reference to class 132, Toilet, to read:

132—TOILET, particularly subclass 79 and indented subclasses, for toilet kits;

in subclass 0.5 add:

15—BRUSHING, SCRUBBING AND GENERAL CLEANING, subclasses 122, 131 and indented subclasses, particularly subclass 131.1, and 208 and indented subclasses, particularly subclass 209;

and in subclass 15.1 cancel note (1) and substitute:

(1) Note.—See class 15, BRUSHING, SCRUBBING AND GENERAL CLEANING, appropriate subclasses, particularly subclass 130.1 and indented subclasses, for receptacles claimed in combination with a brush or which have special structural features for holding a brush where the brush holder is not of the type that comes within the definition of this subclass (15.1). For other types of brush holding receptacles, see the appropriate receptacle class.

In *class 211, Supports, Racks* (Division 8), subclass 65, in note (3), change "91, Coating, subclass 63" to read *15, Brushing, Scrubbing and General Cleaning, subclass 121.1 and indented subclasses, and subclass 130.1 and indented subclasses.*

In *class 220, Metallic Receptacles* (Division 40), subclass 75, add the following note:

(5) Note.—For seamed pipes, search class 138, PIPES AND TUBULAR CONDUITS, subclasses 73, 74 and 75;

and in subclass 90 cancel the note and substitute:

Note.—See class 15, BRUSHING, SCRUBBING AND GENERAL CLEANING, subclass 121.1 and indented subclasses.

In *class 248, Supports* (Division 52), subclass 110, note (3), change "91, Coating, subclass 63" to read *15, Brushing, Scrubbing and General Cleaning, subclass 121.1 and indented subclasses, and subclass 130.1 and indented subclasses.*

In *class 272, Amusement and Exercising Devices* (Division 57), subclass 13, add the following note:

Note.—See class 88, OPTICS, subclass 73 and indented subclasses, for mirrors not involving illusion features.

In *class 284, Valved Pipe Joints or Couplings* (Division 52), main class definition, number the existing note (*1*) and add:

(2) Note.—See class 137, WATER DISTRIBUTION, subclass 69, for pipe joints combined with valves of other types.

(3) Note.—See class 285, PIPE JOINTS OR COUPLINGS, for pipe joints of general application without valves.

In *class 285, Pipe Joints or Couplings* (Division 52), main class definition, add the following notes:

(8) Note.—See class 137, WATER DISTRIBUTION, subclass 69, for pipe joints and couplings combined with valves of types other than the combination belonging in class 284 (see note 9).

(9) Note.—See the pertinent subclasses of class 284, VALVED PIPE JOINTS OR COUPLINGS, for pipe joints or couplings combined with a valve or valves adapted to prevent flow on disconnecting the joint or coupling;

and in subclass 22 number the existing note (*1*) and add:

(2) Note.—Well casing heads including valves to restrict the flow of material from the well will be found in the pertinent subclasses of class 166, WELLS, especially subclasses 14 and 15.

In *class 312, Supports, Cabinet Structures* (Division 8), subclass 112.5, note (2), change "91, Coating, subclass 63" to read *15, Brushing, Scrubbing and General Cleaning, subclass 121.1 and indented subclasses, and subclass 130.1 and indented subclasses.*

TRADE-MARKS

GRANTED SEPTEMBER 16, 1941

[VOL. 530. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 440,878. DANIEL GARCIA POSADAS, Buenos Aires, Argentina. Filed Feb. 21, 1941.

POSAMAX

FOR CASEIN.
Claims use since June 27, 1940.

Ser. No. 442,230. GOLDREICH BROS., New York, N. Y. Filed Apr. 3, 1941.



The word "Quality" is disclaimed apart from the mark.
FOR RAW FUR SKINS AND FOR PARTLY PREPARED FUR SKINS.
Claims use since January, 1938.

CLASS 2

RECEPTACLES

Ser. No. 420,348. UNITED PAPERBOARD COMPANY, New York, Lockport, Thomson, Victory Mills, N. Y.; Benton Falls, Maine; and Urbana, Ohio. Filed June 9, 1939.

TAK-IT

FOR BOXES AND BLANKS THEREFOR OF CARDBOARD OR PAPERBOARD.
Claims use since May 16, 1939.

Ser. No. 445,010. FIBRO-MOLD SPECIALTIES, INC., Chicago, Ill. Filed July 2, 1941.



FOR BURIAL VAULTS.
Claims use since May 3, 1941.

Ser. No. 445,760. UNION BAG & PAPER CORPORATION, New York, N. Y. Filed July 29, 1941.

DEFENSE

FOR PAPER BAGS.
Claims use since July 14, 1941.

Ser. No. 445,885. CONTAINER CORPORATION OF AMERICA, Chicago, Ill. Filed Aug. 2, 1941.

VELLUMITE

FOR FOLDING CARTONS.
Claims use since Apr. 22, 1941.

Ser. No. 446,086. OWENS-ILLINOIS CAN COMPANY, Toledo, Ohio. Filed Aug. 8, 1941.

Decoware

FOR METALLIC BOXES, CANS, AND RECEPTACLES OF VARIOUS SHAPES AND SIZES.
Claims use since July 14, 1941.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 445,984. GOLD SEAL IMPORTERS, INC., New York, N. Y. Filed Aug. 5, 1941.

Suèdera

FOR LADIES' HANDBAGS.
Claims use since July 26, 1941.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 434,738. CLAN MFG. CO., Camden, N. J. Filed Aug. 7, 1940.



FOR CLEANING PREPARATION IN THE NATURE OF A SOAP COMPOUND, AND HAVING DETERGENT AND POLISHING PROPERTIES, AND LIQUID SOAP.
Claims use since December, 1930.

Ser. No. 443,205. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa. Filed May 2, 1941.

Spotticator

FOR CLEANING FLUID FOR FABRICS.
Claims use since Sept. 8, 1936.

Ser. No. 445,401. TURCO PRODUCTS, INC., Los Angeles, Calif. Filed July 16, 1941.

AIRLION

FOR INDUSTRIAL METAL CLEANING COMPOUNDS.
Claims use since June 15, 1937.

CLASS 5

ADHESIVES

Ser. No. 433,700. THE CELOTEX CORPORATION, Chicago, Ill. Filed July 5, 1940.

TRAFFIC TOP

FOR ADHESIVE COMPOUND, COMPRISING AN ASPHALT BASE, ASBESTOS FIBERS AND OTHER MINERAL FILLERS, AND A SOLVENT, FOR ADHERING IMPREGNATED SHEET MATERIAL AND TILE AS ROOFING AND FLOORING MATERIAL TO A STRUCTURAL SUPPORTING BASE.
Claims use since Feb. 14, 1938.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 417,096. MONTANIN COMPANY, INC., New York, N. Y. Filed Mar. 15, 1939.

MONTANIN

FOR ANTISEPTICS, FUNGICIDES, AND DISINFECTANTS.
Claims use since Jan. 4, 1930.

Ser. No. 433,012. LENTHERIC, INCORPORATED, New York, N. Y. Filed June 14, 1940.

RED-CAP

Disclaimer is made of the word "Red" except in combination with the rest of the mark.
FOR LIPSTICKS AND ROUGES.
Claims use since June 10, 1940.

Ser. No. 434,579. E. R. SQUIBB & SONS, New York, N. Y. Filed Aug. 1, 1940.

TOCOPHEREX

FOR PREPARATIONS FOR USE IN HABITUAL AND THREATENED ABORTION AND IN MUSCULAR DYSTROPHIES.
Claims use since July 24, 1940.

Ser. No. 434,758. EFFIE ATTEBERY PARKE, doing business as T. E. Attebery, Castle Rock, Wash., and Pleasant Hill, Mo. Filed Aug. 7, 1940.

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BLACK OINTMENT

Applicant disclaims the words "Black Ointment" apart from the mark.
FOR OINTMENT FOR TREATMENT OF PILES AND EXTERNAL INFECTIONS.
Claims use since 1903.

Ser. No. 437,351. J. G. PISSITOLA, doing business as Beaumont Chemical Company, Houston, Tex. Filed Oct. 28, 1940.



No claim is made to the words "Spray, More Killing Power, They Stay Dead, Insect Spray" apart from the mark.
FOR INSECTICIDE.
Claims use since Nov. 12, 1930.

Ser. No. 440,693. MERZ & CO. CHEMICAL WORKS, INC., East Orange, N. J. Filed Feb. 15, 1941.

Ana-Serol

FOR TOPICAL ANESTHETIC FOR SKIN AND MUCOUS MEMBRANES.
Claims use since Nov. 10, 1936.

Ser. No. 440,700. MERZ & CO. CHEMICAL WORKS, INC., East Orange, N. J. Filed Feb. 15, 1941.

Recto-Serol

FOR GREASELESS COLLOIDAL RECTAL MEDICATION.
Claims use since Mar. 17, 1930.

Ser. No. 441,387. CARSON PIRIE SCOTT & COMPANY, Chicago, Ill. Filed Mar. 10, 1941.

MIR-O-MAGIC

FOR COSMETICS—NAMELY, NITE CREAM, COLOGNE, CLEANSING CREAM, HAND CREAM, AND HAND LOTION.
Claims use since Jan. 6, 1940.

Ser. No. 441,966. IRRESISTIBLE, INC., Jersey City, N. J. Filed Mar. 26, 1941.

GINGHAM

FOR COLOGNE, PERFUME, BUBBLE BATH PREPARATION, BATH POWDER, AND DUSTING POWDER.
Claims use since Mar. 14, 1941.

Ser. No. 443,159. GARDEN PRODUCTS COMPANY, St. Louis, Mo. Filed May 1, 1941.

ZOTOX

FOR CRAB GRASS AND CHICKWEED KILLER.
Claims use since Apr. 26, 1941.

Ser. No. 443,581. SILMO CHEMICAL CORPORATION, Vineland, N. J. Filed May 14, 1941.



FOR INSECTICIDE USED PARTICULARLY IN THE SPRAYING OF APPLE TREES.
Claims use since Apr. 1, 1941.

Ser. No. 443,750. DESTRUXOL CORPORATION, LTD., Pasadena, Calif. Filed May 21, 1941.

CALSUL

FOR CHEMICAL EMULSION, A LIME AND SULPHUR OIL SPRAY.
Claims use since June 14, 1931.

Ser. No. 443,980. E. C. HARDEN, doing business as Bora-Quin Chemical Company, Little Rock, Ark. Filed May 27, 1941.

BORA-QUIN

FOR ANTISEPTIC VAGINAL JELLY.
Claims use since March, 1932.

Ser. No. 444,119. ELMO SALES CORPORATION, Philadelphia, Pa. Filed June 2, 1941.



FOR TEXTURE CREAM.
Claims use since May 15, 1941.

Ser. No. 444,255. CO-OPERATIVE FEED DEALERS, INC., Binghamton, N. Y. Filed June 6, 1941.



FOR WHEAT GERM OILS TO BE MIXED WITH ANIMAL FOODS.
Claims use since Feb. 11, 1941.

Ser. No. 444,310. THE RUBEROID CO., Boundbrook, N. J., and New York, N. Y. Filed June 7, 1941.

PRESERVOL

FOR CREOSOTE OIL FOR PRESERVING LUMBER.
Claims use since Mar. 6, 1934.

Ser. No. 444,386. PARFUMS WEIL PARIS, INC., New York, N. Y. Filed June 10, 1941.

Cobra

FOR PERFUMES.
Claims use since May 18, 1941.

Ser. No. 444,390. RANGER PRODUCTS COMPANY, INCORPORATED, Hamden, Conn. Filed June 10, 1941.



FOR PREPARATIONS FOR AILMENTS OF ANIMALS SUCH AS, LAXATIVE TABLETS, TONIC PILLS, EYEWASH TABLETS, TAPEWORM TABLETS, CANKER-WASH TABLETS, NERVE SEDATIVE TABLETS, EXPECTORANT TABLETS, URINARY ANTISEPTIC TABLETS, PUPPY CAPSULES, ADULT CAPSULES, AND FLEA POWDER.
Claims use since May 15, 1941.

Ser. No. 444,442. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed June 12, 1941.

METACYL

FOR DYES AND DYESTUFFS.
Claims use since May 6, 1941.

Ser. No. 444,528. DERMETICS, INC., Seattle, Wash. Filed June 14, 1941.

Red Cap

No claim is made to the word "Red" apart from the mark.
FOR LIPSTICKS.
Claims use since May 28, 1941.

Ser. No. 444,529. DERMETICS, INC., Seattle, Wash. Filed June 14, 1941.

Red Earth

No claim is made to the word "Red" apart from the mark.
FOR LIPSTICKS.
Claims use since May 28, 1941.

Ser. No. 444,530. DERMETICS, INC., Seattle, Wash. Filed June 14, 1941.

STUDY IN RED

No claim is made to the word "Red" apart from the mark.
FOR LIPSTICKS.
Claims use since May 28, 1941.

Ser. No. 444,539. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed June 14, 1941.

SOPET

FOR CHEMICAL PRODUCTS FOR FINISHING LUBRICATING, SOFTENING, WETTING, AND OTHERWISE PROCESSING TEXTILES AND TEXTILE FABRICS TO FACILITATE CARDING, DRAWING, SPINNING, WEAVING, SCOURING, DYEING, SIZING, AND OTHER OPERATIONS TO WHICH TEXTILES ARE SUBJECTED.
Claims use since Mar. 7, 1940.

Ser. No. 444,562. BATTLE CREEK DIETETIC SUPPLY CO., Battle Creek, Mich. Filed June 16, 1941.

LAKCEL

FOR WATER ABSORBING CELLULOSE BASE PRODUCT TO BE TAKEN INTERNALLY TO PROVIDE GELATINOUS BULK AND LUBRICATION FOR THE INTESTINAL TRACT.
Claims use since May 15, 1941.

Ser. No. 444,609. POLK MILLER PRODUCTS CORPORATION, Richmond, Va. Filed June 17, 1941.

Flea Insurance Kit

No claim is made to the words "Flea" and "Kit" apart from the mark.
FOR FLEA POWDER, AND PINE OIL DISINFECTANT.
Claims use since May 13, 1941.

Ser. No. 444,615. TAKAMINE LABORATORY, INC., Clifton, N. J. Filed June 17, 1941.

Zelamol

FOR HEALING OINTMENT.
Claims use since June 5, 1941.

Ser. No. 444,747. ASSOCIATED DISTRIBUTORS, INC., Chicago, Ill. Filed June 23, 1941.



The Chinese characters are the phonetic equivalent of Chen Yu. The words "Chen Yu" have no meaning.
FOR LIPSTICK, ROUGE, FACE POWDER, EYELASH AND EYEBROW MASCARA, PADS IMPREGNATED WITH DEODORANT AND ANTI-PERSPIRANT LOTION, CREAMS FOR THE HANDS AND FACE, CLEANSING PADS IMPREGNATED WITH LOTION, PREPARATIONS FOR SKIN, HAIR, AND FINGER NAILS, AND PERFUMES.
Claims use since June 13, 1938.

Ser. No. 444,861. TRUFLY J. DUBEY, Detroit, Mich. Filed June 26, 1941.



No claim is made to the word "Salve" apart from the mark.
FOR SALVE FOR CUTS, SORES, COLD SORES, CHAPPED HANDS, BOILS, BLISTERS, BURNS, SCALDS, BRUISES, SPRAINS, INSECT BITES, ATHLETE'S FOOT; TIRED, BURNING, OR ITCHING FEET, AND ECZEMA.
Claims use since May 28, 1941.

Ser. No. 445,023. ADOLPHE LAMBERT THEODORE TROQUET, doing business as A. Troquet & Co., Utica, N. Y. Filed July 2, 1941.

ADORISE

FOR COMPOSITION FOR TREATING HAT SWEAT BANDS TO PRESERVE THE HAIR.
Claims use since Feb. 12, 1941.

Ser. No. 445,189. ABBOTT LABORATORIES, North Chicago, Ill. Filed July 9, 1941.

VICAPSYN

FOR COMPOUND OF SYNTHETIC WATER SOLUBLE VITAMINS.
Claims use since June 20, 1941.

Ser. No. 445,274. POND'S EXTRACT COMPANY, New York, N. Y. Filed July 11, 1941.

POND'S
Dry Skin
Cream

Applicant is the owner of T. M. 215,081, comprising the name "Pond's" and effected under the 10-year proviso. No claim is made to the words "Dry Skin Cream" apart from the mark.
FOR SKIN CREAM.
Claims use since May 29, 1941.

Ser. No. 445,275. POND'S EXTRACT COMPANY, New York, N. Y. Filed July 11, 1941.

POND'S
COLD CREAM
Cleansing

Applicant is the owner of T. M. 215,081, comprising the name "Pond's" and effected under the 10-year proviso. No claim is made to the words "Cold Cream Cleansing" apart from the mark.
FOR COLD CREAM.
Claims use since Feb. 14, 1935.

Ser. No. 445,276. POND'S EXTRACT COMPANY, New York, N. Y. Filed July 11, 1941.

POND'S

VANISHING CREAM

Foundation

Applicant is the owner of T. M. 215,081, comprising the name "Pond's" and effected under the 10-year proviso. No claim is made to the words "Vanishing Cream Foundation" apart from the mark.

FOR VANISHING CREAM.

Claims use since Jan. 16, 1941.

Ser. No. 445,322. THE F. E. I. CORPORATION, Dover, Del., and Pittsburgh, Pa. Filed July 14, 1941.

DELRI

FOR NAIL POLISH REMOVER WITH OIL.

Claims use since May 27, 1941.

Ser. No. 445,375. F. W. BERK & COMPANY, INC., New York, N. Y. Filed July 16, 1941.

MERSOLITE

FOR PHENYL MERCURY SALTS OF ORGANIC ACIDS, IMIDES, ETC., SUCH AS PHENYL MERCURIC SALICYLATE, PHENYL MERCURIC PHTHALATE AND PHENYL MERCURIC BORATE, FOR USE AS A PARASITICIDAL AGENT IN THE FIELD OF GERMICIDES, BACTERICIDES, AND SPORICIDES.

Claim use since June 11, 1941.

Ser. No. 445,393. LEHN & FINK PRODUCTS CORPORATION, Bloomfield, N. J. Filed July 16, 1941.

LADY IN THE DARK

FOR PERFUME.

Claims use since June 24, 1941.

Ser. No. 445,399. TAYLOR, WHITE EXTRACTING COMPANY, Camden, N. J. Filed July 16, 1941.

TWECOTAN

FOR TANNING EXTRACTS.

Claims use since Oct. 24, 1934.

Ser. No. 445,511. THE S. S. WHITE DENTAL MANUFACTURING COMPANY, Philadelphia, Pa. Filed July 19, 1941.

ORALINE

FOR TOOTH POWDER.

Claims use since July 17, 1941.

Ser. No. 445,522. GRUBB LABORATORY INC., Seymour, Ind. Filed July 21, 1941.

CYSTOPAQUE

FOR PREPARATION USED FOR INTERNAL ADMINISTRATION TO HUMAN BEINGS FOR PURPOSES OF DIAGNOSIS.

Claims use since July 7, 1941.

Ser. No. 445,635. ONYX OIL & CHEMICAL COMPANY, Jersey City, N. J. Filed July 25, 1941.

ETERNALURE

FOR FINISH FOR HOSIERY OF SILK, COTTON, WOOL, RAYON, ACETATE, AND OF OTHER MATERIALS, OF ANIMAL, VEGETABLE, AND SYNTHETIC FIBRES, AND OF COMBINATIONS THEREOF.

Claims use since Apr. 1, 1941.

Ser. No. 445,725. SIDNEY HENRY, doing business as S. H. Hirsch, New York, N. Y. Filed July 29, 1941.

AMBUSH

FOR PERFUME AND TOILET WATERS, LIPSTICK AND FACE POWDERS.

Claims use since July 2, 1941.

Ser. No. 445,727. SIDNEY HENRY, doing business as S. H. Hirsch, New York, N. Y. Filed July 29, 1941.

BRAZEN

FOR PERFUME AND TOILET WATERS, LIPSTICK AND FACE POWDERS.

Claim use since July 2, 1941.

Ser. No. 445,734. SIDNEY HENRY, doing business as S. H. Hirsch, New York, N. Y. Filed July 29, 1941.

Trade-mark consists of the picture of Mrs. Tim Morris, professionally known as Mary Gardel.



FOR PERFUME AND TOILET WATERS, LIPSTICK AND FACE POWDERS.

Claims use since July 14, 1941.

CLASS 7

CORDAGE

Ser. No. 445,991. R. G. LETOURNEAU, INC., Stockton, Calif., and Peoria, Ill. Filed Aug. 5, 1941.

TOURNAROPE

FOR WIRE ROPE OR CABLE.

Claims use since July 7, 1941.

CLASS 10

FERTILIZERS

Ser. No. 445,918. BURGESS SEED & PLANT COMPANY, INC., doing business as V. & M. Products Co., Galesburg, Mich. Filed Aug. 4, 1941.

VITAMIST

FOR PLANT GROWTH STIMULANT.

Claims use since June 1, 1941.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 441,146. TRU-RITE, INC., New York, N. Y. Filed Mar. 1, 1941.



The band in the drawing is lined for silver. The word "Lined" is disclaimed apart from the mark and the representation of the carbon paper per se is disclaimed.

FOR CARBON PAPER.

Claims use since Nov. 1, 1940.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 445,462. EXPANSET CORPORATION, Pawtucket, R. I. Filed July 18, 1941.

EXPANSET

FOR HYDRAULIC CEMENT.

Claims use since Nov. 30, 1940.

Ser. No. 445,640. ROYNAT CORPORATION, New York, N. Y. Filed July 25, 1941.

CAPITOL

FOR WALLBOARD AND TILEBOARD.

Claims use since July 22, 1940.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 442,756. NATIONAL PRESSURE COOKER COMPANY, Eau Claire, Wis. Filed Apr. 19, 1941.

The word "Seal" is disclaimed apart from the mark.

E-Z SEAL

FOR ALUMINUM COOKERS, PANS, SKILLETS, DUTCH OVENS, ROASTERS, TEA KETTLES, COFFEE POTS, AND GRIDDLES.

Claims use since Nov. 1, 1940.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 422,223. UDDEHOLMS AKTIEBOLAG, Uddeholm, Sweden. Filed Aug. 2, 1939.

CLOMO

FOR STEEL BARS, HOLLOW AND SOLID.

Claims use since July 16, 1938.

CLASS 15

OILS AND GREASES

Ser. No. 439,786. SUNSET OIL COMPANY, Los Angeles, Calif. Filed Jan. 18, 1941.

BETTER

FROM THE

GROUND UP

No claim is made to the word "Better" apart from the mark.

FOR GASOLINE, MOTOR OILS, AND LUBRICATING OILS, AND GREASES.

Claims use since Oct. 6, 1940.

Ser. No. 445,508. SINCLAIR REFINING COMPANY, New York, N. Y. Filed July 19, 1941.

LOOMTEX

FOR OILS FOR LUBRICATING PURPOSES.

Claims use since June 10, 1941.

Ser. No. 445,612. OIL SERVICE, INCORPORATED, Warren, Pa. Filed July 24, 1941.

CERTOL

FOR MOTOR OILS AND GREASES.
Claims use since July, 1923.

CLASS 16
PAINTS AND PAINTERS' MATERIALS

Ser. No. 439,858. THE DAVIES-YOUNG SOAP COMPANY, Dayton, Ohio. Filed Jan. 22, 1941.

REDUSKID

Liquid Wax

The drawing is lined for blue. The words "Liquid Wax" are disclaimed apart from the mark.
FOR PREPARED LIQUID WAX FOR POLISHING FLOORS, WOODWORK, ETC.
Claims use since Jan. 17, 1941.

CLASS 17
TOBACCO PRODUCTS

Ser. No. 432,318. MAX SCHWARZ MANUFACTURER LA PRIMADORA HAVANA CIGARS, LTD., New York, N. Y. Filed May 24, 1940.

MAXIMO

FOR CIGARS.
Claims use since 1928.

CLASS 21
ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 432,056. THE WESTERN UNION TELEGRAPH COMPANY, New York, N. Y. Filed May 17, 1940.

AIRCRAFT

FOR TELEGRAPH PRINTERS.
Claims use since Aug. 18, 1938.

Ser. No. 444,552. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del. Filed June 14, 1941.

ESSO

FOR NEON ELECTRIC SIGNS.
Claims use since Apr. 4, 1941.

Ser. No. 444,701. THE HOBART MANUFACTURING COMPANY, Troy, Ohio. Filed June 20, 1941.

Hobart

Applicants' claimed registrations #92,217 and #201,898 were effected under the 10-year proviso. The drawing is lined for shading only.
FOR ELECTRIC COFFEE MILLS, ELECTRIC COFFEE-REFINING MILLS, ELECTRIC MEAT CHOPPERS, COMBINED ELECTRIC COFFEE MILLS AND ELECTRIC MEAT CHOPPERS, ELECTRIC FOOD MIXERS, ELECTRIC CANDY MACHINES, ELECTRIC FOOD CUTTERS, ELECTRIC POTATO PEELERS, ELECTRIC MEAT SLICERS, ELECTRIC DISHWASHERS, ELECTRIC INDUSTRIAL WASHERS FOR MACHINE PARTS AND THE LIKE, ELECTRIC MACHINES FOR WHIPPING CREAM AND FOR AERATING LIQUIDS, ELECTRIC FLOUR SIFTERS AND ELECTRICALLY OPERATED DEVICES UTILIZING STERILIZING LIGHT RAYS FOR STERILIZING ARTICLES; ATTACHMENTS FOR SUCH MACHINES FOR REGULATING THE FEEDING OF FOOD MATERIALS THERETO, FOR HEATING OR COOLING THE CONTENTS THEREOF, FOR GRINDING COFFEE AND SPICES, FOR CHOPPING MEAT, FOR GRINDING BONES, FOR SHARPENING TOOLS, FOR EXTRACTING JUICES FROM FRUITS AND VEGETABLES, FOR SLICING, SHREDDING AND GRATING FRUITS AND VEGETABLES, FOR CHIPPING ICE, FOR SIEVING AND STRAINING FRUITS AND VEGETABLES, FOR CRUMBING BREAD, FOR OPERATING ICE-CREAM FREEZERS, FOR PULLING CANDY AND FOR AERATING LIQUIDS.
Claims use since Aug. 12, 1929.

Ser. No. 444,721. ALLIS-CHALMERS MANUFACTURING COMPANY, Milwaukee and West Allis, Wis. Filed June 21, 1941.

REGULEX

FOR DYNAMO-ELECTRIC MACHINES AND PARTICULARLY ELECTRIC GENERATORS PROVIDED WITH AUXILIARY CONTROL FIELD WINDINGS.
Claims use since Sept. 17, 1940.

Ser. No. 444,806. TESTED PAPERS OF AMERICA, INC., Chicago, Ill. Filed June 24, 1941.

BUG CHASER

FOR ELECTRIC LAMPS.
Claims use since May 1, 1941.

Ser. No. 445,351. JAMES G. BIDDLE CO., Philadelphia, Pa. Filed July 15, 1941.

"Lubri-tact"

FOR RHEOSTATS.
Claims use since May 26, 1941.

CLASS 22
GAMES, TOYS, AND SPORTING GOODS

Ser. No. 427,240. JANUARIO ESPIRITU, Los Angeles, Calif. Filed Jan. 8, 1940.

Zula Game

No claim is made to the word "Game" apart from the mark.
FOR BLOW GUN TARGET GAME.
Claims use since Sept. 15, 1939.

Ser. No. 445,691. ELGO PLASTICS, INC., Chicago, Ill. Filed July 28, 1941.

PYLOK

FOR TOY BUILDING BLOCKS.
Claims use since Apr. 15, 1941.

Ser. No. 446,111. JOSEPH L. KALLUS, Brooklyn, N. Y. Filed Aug. 9, 1941.

COOKIE

FOR DOLLS.
Claims use since July 22, 1941.

CLASS 23
CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 440,115. THE CLEVELAND HOBBING MACHINE COMPANY, Cleveland, Ohio. Filed Jan. 30, 1941.

CLEVELAND HOBBING MACHINE COMPANY — THE CHM CO.

FOR GEAR CUTTING MACHINES, MILLING MACHINES, AND LATHES.
Claims use since Oct. 31, 1927.

Ser. No. 440,118. THE CLEVELAND HOBBING MACHINE COMPANY, Cleveland, Ohio. Filed Jan. 30, 1941.



FOR GEAR CUTTING MACHINES, MILLING MACHINES, AND LATHES.
Claims use since Oct. 1, 1940.

Ser. No. 442,883. TRIANGLE MECHANICAL LABORATORIES CORP., New York, N. Y. Filed Apr. 23, 1941.



No claim is made to the word "Araby" apart from the mark.
FOR RAZOR BLADES.
Claims use since Mar. 26, 1941.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 445,907. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa. Filed Aug. 2, 1941. Under Section 5b of the act of 1905, as amended in 1920.

WESTINGHOUSE

FOR ELECTRIC LAUNDRY WASHERS AND ELECTRIC LAUNDRY IRONERS.

Claims use since Oct. 5, 1931, on said washers; and since May, 1932, on said ironers.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 442,026. S. F. BOWSER & COMPANY, INCORPORATED, Fort Wayne, Ind. Filed Mar. 28, 1941.

XACTO PACK

FOR MEASURING AND DISPENSING APPARATUS FOR GASOLINES, OILS, AND OTHER LIQUIDS.

Claims use since Feb. 7, 1941.

Ser. No. 442,835. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y. Filed Apr. 22, 1941.

KODAK

FOR PHOTOGRAPHIC PRINT ROLLERS, PHOTOGRAPHIC PRINTING FRAMES, LIGHT FILTERS, RANGE FINDERS, FINDERS FOR PHOTOGRAPHIC APPARATUS OR CAMERAS, THERMOMETERS, CABLE RELEASES, RUBBER FINGER SHEATHS FOR PHOTOGRAPHIC USE, LANTERN SLIDE KITS, MATERIALS FOR MAKING LANTERN SLIDES INCLUDING MASKS AND GLASS, PAPER HOLDERS OR BOARDS, PHOTOGRAPHIC PRINT WASHERS, TIPS FOR TRIPOD LEGS, AND CLIPS FOR FILM ROLLS.

Claims use since Oct. 18, 1922, on print rollers; since Mar. 27, 1923, on printing frames; since Aug. 3, 1932, on light filters; since July 10, 1935, on finders; since Aug. 17, 1938, on thermometers; since Nov. 15, 1938, on cable releases; since Oct. 25, 1940, on rubber finger sheaths for photographic use; since Nov. 14, 1940, on lantern slide kits and materials for making lantern slides; since Jan. 16, 1941, on paper holders or boards; since Jan. 23, 1941, on photographic print washers; since Mar. 24, 1941, on tips for tripod legs; and since Apr. 4, 1941, on clips for film rolls.

Ser. No. 442,847. GUILD OF PRESCRIPTION OPTICIANS OF AMERICA, INC., Philadelphia, Pa. Filed Apr. 22, 1941. Under the act of February 20, 1905, as amended June 10, 1938.

Guildcraft

FOR LENSES AND OPTICAL PRODUCTS—NAMELY, ROUGH LENS BLANKS, BIFOCAL BLANKS, BIFOCAL LENSES, OPHTHALMIC LENSES, EYEGLASS FRAMES AND MOUNTINGS, SPECTACLE FRAMES AND MOUNTINGS, GOGGLE FRAMES, GOGGLES, EYEGLASS SPRINGS, EYEGLASS STUDS, EYEGLASS GUARDS, SPECTACLE SPRINGS, SPECTACLE TEMPLES OR BOWS, SPECTACLE FRONTS, SPECTACLE BRIDGES, EYEGLASS BRIDGES, OXFORD EYEGLASS FRAMES, OXFORD SPECTACLE FRAMES, TRIAL CASES, FRAMES, EYE TEST CHARTS, REFRACTORS, TANGENT SCREEN AND ORTHOPTIC EQUIPMENT.

Claims use since Dec. 14, 1927.

Ser. No. 444,424. V. & E. ENGINEERING CO., Pasadena, Calif. Filed June 11, 1941.

VEECO

FOR DRAFTING INSTRUMENTS.

Claims use since Mar. 30, 1940.

Ser. No. 444,702. THE HOBART MANUFACTURING COMPANY, Troy, Ohio. Filed June 20, 1941.

Applicant's claimed registrations #92,217 and #201,898 were effected under the 10-year proviso.



FOR WEIGHING SCALES.

Claims use since Aug. 1, 1934.

Ser. No. 444,860. FUEL & HEAT CONTROL CORP., New York, N. Y. Filed June 26, 1941.

FUEL -O- CHRON

FOR ELECTRICAL HEAT REGULATORS COMBINING A CLOCK AND A THERMOSTAT WITH THE THERMOSTAT SHIFTING THE TIME SCHEDULE OF OPERATION UNDER THE CONTROL OF THE CLOCK.

Claims use since June 1, 1941.

Ser. No. 445,349. WARNER BROS. PICTURES, INC., New York, N. Y. Filed July 14, 1941.



FOR MOTION PICTURES AND MOTION PICTURE FILMS, WHICH HAVE RECORDS OF SOUND, WORDS, AND/OR MUSIC THEREON, AND MOTION PICTURE FILMS ADAPTED FOR SYNCHRONIZATION WITH SOUND, WORDS AND/OR MUSIC RECORDS; SYNCHRONIZED APPARATUS FOR SIMULTANEOUSLY REPRODUCING COORDINATED LIGHT AND SOUND EFFECTS, AND THE COMPONENT PARTS OF SUCH APPARATUS.

Claims use since September, 1939.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 442,302. JUELL M. BIE, New York, N. Y. Filed Apr. 5, 1941.

SPORTPROOF

FOR WATCHES.

Claims use since Feb. 15, 1940.

Ser. No. 444,969. ILLINOIS WATCH CASE COMPANY, Elgin, Ill. Filed June 30, 1941.

COMMANDER

FOR WATCHES AND WATCH CASES.

Claims use since July 15, 1889.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 445,165. AMERICAN & CONTINENTAL PATENTED PRODUCTS INC., New York, N. Y. Filed July 8, 1941.

The word "Golden" is disclaimed apart from the mark.

GOLDEN FLEECE

FOR NECKLACES AND BRACELETS, FINGER RINGS, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, AND THE FOLLOWING GOODS MADE IN WHOLE OR IN PART OF PRECIOUS METAL OR PLATED WITH THE SAME: BEADS, PINS, HAT ORNAMENTS, HAIR ORNAMENTS, HOLDERS FOR FACE POWDER COMPACTS, COMB CASES, BAG FRAMES, CIGARETTE CASES, FANCY CIGARETTE BOXES, FANCY BUCKLES, JEWELRY INITIALS, CUFF LINKS, STUD BUTTONS.

Claims use since May, 1941.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 431,095. TECUMSEH PRODUCTS COMPANY, Tecumseh, Mich. Filed Apr. 22, 1940.

CHIEFTAIN

FOR REFRIGERATORS OF ALL TYPES, REFRIGERATING APPARATUS, AND ICE BOXES, INCLUDING ELECTRIC REFRIGERATORS AND REFRIGERATOR PARTS.

Claims use since Apr. 15, 1931.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 444,845. THE PORCELAIN ENAMEL AND MANUFACTURING COMPANY OF BALTIMORE, Baltimore, Md. Filed June 14, 1941.

PEMCO

FOR KITCHEN-CABINETS, TOPS FOR KITCHEN-CABINETS, KITCHEN-TABLES, TOPS FOR KITCHEN-TABLES, AND STOOLS.

Claims use since Apr. 1, 1917.

Ser. No. 445,647. ARTILITY METAL PRODUCTS, INC., Elkhart, Ind. Filed July 26, 1941.

ARTILITY

FOR OFFICE, HOUSEHOLD, AND FACTORY POSTURE CHAIRS.

Claims use since February, 1935.

Ser. No. 445,842. CHARLES W. DENNSTEDT, doing business as Dennstedt Art Company, Chicago, Ill. Filed Aug. 1, 1941.



FOR FRAMES FOR PICTURES AND MIRRORS MADE OF FIBROUS, WOOD, AND CELLULOSIC MATERIALS OR COMBINATIONS THEREOF.

Claims use since July 14, 1941.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NON-METALLIC TIRES

Ser. No. 444,863. ALGER ROBERT FRIBERG, Beverly Hills, Calif. Filed June 26, 1941.

Velva-block

The word "Block" is not claimed except in association with the rest of the mark.

FOR FRICTIONAL ELEMENTS FOR BRAKES, SUCH AS BRAKE LININGS, CLUTCH FACINGS, AND BRAKE BLOCKS, FOR AUTOMOTIVE AND INDUSTRIAL USES.

Claims use since Apr. 30, 1940.

Ser. No. 445,905. UNITED STATES RUBBER COMPANY, New York, N. Y. Filed Aug. 2, 1941.

MULTI-FLEX

FOR AUTOMOBILE RADIATOR HOSE.

Claims use since July 23, 1941.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 439,167. HELEN MORGAN ENTERPRISES, INC., San Francisco, Calif. Filed Dec. 24, 1940.



Applicant disclaims the representation of the goods apart from the mark. The portrait and signature are those of Helen Morgan, president of applicant corporation.

FOR PHONOGRAPH RECORDS.
Claims use since Dec. 6, 1940.

Ser. No. 443,951. RECORDED LECTURES, INC., Chicago, Ill. Filed May 26, 1941.



The representation of a record is disclaimed apart from the mark.

FOR PHONOGRAPH RECORDS.
Claims use since May 19, 1941.

CLASS 37

PAPER AND STATIONERY

Ser. No. 442,200. NEKOOSA-EDWARDS PAPER COMPANY, Port Edwards, Wis. Filed Apr. 2, 1941.

PRO. SEAL

No claim is made to the word "Seal" apart from the mark.

FOR WRAPPING PAPER.
Claims use since February, 1938.

Ser. No. 444,092. OHIO WAX PAPER COMPANY, Columbus, Ohio. Filed May 31, 1941.

O.W.P. Acma-Seal

No claim is made for the word "Seal" apart from the mark.

FOR WAXED PAPER FOR WRAPPING BREAD AND OTHER BAKERY PRODUCTS.
Claims use since Feb. 16, 1940.

Ser. No. 444,583. O. L. SCHILFFARTH & CO., Milwaukee, Wis. Filed June 16, 1941.

ZIP-OUT

FOR BLANK FORMS—NAMELY, STATEMENTS, INVOICES, PURCHASE ORDERS, BILLS OF LADING, SHOP ORDERS, TIME RECORDS, VOUCHERS, REQUISITIONS, AND SHIPPING FORMS.
Claims use since Apr. 4, 1941.

Ser. No. 444,662. AMERICAN CELOID PRODUCTS CORP., New York, N. Y. Filed June 19, 1941.

CELOID

FOR STENCIL SHEETS.
Claims use since June 16, 1941.

Ser. No. 444,783. AMERICAN BINDER COMPANY INC., New York, N. Y. Filed June 24, 1941.

PUL-O-MATIC

FOR ALBUMS FOR FILING AND DISPLAY PHOTOGRAPHS, PICTURES, AND THE LIKE.
Claims use since May 9, 1941.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 441,220. THE WASHINGTON FEDERALIST, Washington, D. C. Filed Mar. 4, 1941.

The Washington Federalist

No claim is made to the word "Washington" apart from the mark.

FOR NEWSPAPER MAGAZINE.
Claims use since Mar. 3, 1941.

Ser. No. 443,640. WALTER J. BLACK, INC., New York, N. Y. Filed May 17, 1941.

CLASSICS CLUB

The word "Classics" is disclaimed apart from the mark.

FOR INDIVIDUAL BOOKS AND SERIES OF BOOKS.
Claims use since Apr. 23, 1941.

Ser. No. 444,653. NATIONAL PRESS, Hickory, N. C. Filed June 18, 1941.

Cavalier

FOR MONTHLY PERIODICAL.
Claims use since May 1, 1941.

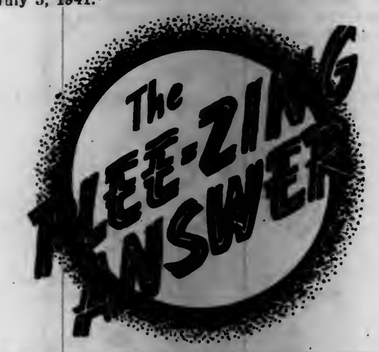
Ser. No. 444,840. SUPER MARKET PUBLISHING CO. INC., New York, N. Y. Filed June 25, 1941.

SUPER MARKET *Merchandising*

The word "Merchandising" is disclaimed apart from the mark.

FOR PRINTED PUBLICATION RELATING TO THE FOOD INDUSTRY AND PUBLISHED MONTHLY.
Claims use since Nov. 4, 1936.

Ser. No. 445,100. PLEE-ZING, INC., Chicago, Ill. Filed July 5, 1941.



FOR MAGAZINE AND PERIODICAL PUBLICATIONS.
Claims use since July 19, 1929

Ser. No. 445,195. CLEONAE W. BROOKS, doing business as American Horseman, Lexington, Ky. Filed July 9, 1941.

Condiments

FOR SECTION OF A PERIODICAL.
Claims use since April, 1941.

Ser. No. 445,539. UNITED FEATURE SYNDICATE, INC., New York, N. Y. Filed July 21, 1941.

WINDY and PADDLES

FOR COMIC DRAWINGS PUBLISHED IN A SERIES IN DAILY AND SUNDAY NEWSPAPERS.
Claims use since June 9, 1941.

Ser. No. 445,555. NATIONAL CATHOLIC WELFARE CONFERENCE, INC., Washington, D. C. Filed July 22, 1941

NC

FOR NEWS BULLETINS IN THE SPANISH LANGUAGE.
Claims use since May 2, 1941.

CLASS 39

CLOTHING

Ser. No. 426,476. BEST & CO. INC., New York, N. Y. Filed Dec. 12, 1939.

CADET BLUE

No claim is made to the words "Cadet Blue" apart from the mark. The drawing is lined for red, white, and blue.

FOR WOMEN'S, MISSES', AND CHILDREN'S DRESSES, COATS, SUITS, HATS, GLOVES OF LEATHER, FABRIC, AND COMBINATIONS OF LEATHER AND FABRIC, NEGLIGEES, PAJAMAS, SWEATERS, OUTER AND UNDER SKIRTS, BLOUSES, SOCKS, SCARFS, SHOES OF LEATHER, FABRIC AND RUBBER, AND A COMBINATION OF LEATHER AND FABRIC, AND RUBBER AND FABRIC, NECKWEAR—NAMELY, COLLARS AND NECKTIES; HANDKERCHIEFS, BATHING SUITS, PLAY SUITS, OUTER AND UNDER SHORTS, AND SKI CLOTHES—NAMELY, HATS, SUITS, SWEATERS, AND HOSE
Claims use since Nov. 17, 1939.

Ser. No. 442,171. INDIANAPOLIS GLOVE CO., Indianapolis, Ind. Filed Apr. 1, 1941.

FRIEND

FOR WORK GLOVES AND WORK MITTENS OF FABRIC, LEATHER, AND COMBINATIONS THEREOF.
Claims use since April, 1930.

Ser. No. 442,592. BENJAMIN GOULD, doing business as Gould Glove Company, Philadelphia, Pa. Filed Apr. 15, 1941.



The picture is fanciful. The words "Glove" and "By Gould" are disclaimed.

FOR MEN'S,WOMEN'S, AND BOYS' GLOVES MADE OF LEATHER AND FABRIC MATERIALS.
Claims use since Mar. 1, 1940.

Ser. No. 443,979. GIMBEL BROTHERS, INC., New York, N. Y. Filed May 27, 1941.

toe ahead

FOR MEN'S, WOMEN'S, BOYS', AND CHILDREN'S SHOES MADE OF LEATHER, FABRIC, RUBBER, AND COMBINATIONS THEREOF.
Claims use since Apr. 17, 1941.

Ser. No. 444,782. HOLLYWOOD KNITTING MILLS, INC., Los Angeles, Calif. Filed June 21, 1941.

Paseo woolens

No claim is made to the word "Woolens" apart from the mark.
FOR COATS, JACKETS, SWEATERS, OUTER SHIRTS, OUTER SKIRTS, AND HATS, FOR MEN, WOMEN, AND CHILDREN.
Claims use since July 1, 1940.

Ser. No. 444,902. MARION FLORSHEIM, doing business as Marion Foster, New York, N. Y. Filed June 27, 1941.

Skytogs

FOR AVIATION TOGS—NAMELY, FLYING SUITS, MECHANICS' SUITS (BOTH ONE AND TWO-PIECE), HELMETS, CAPS, AND GLOVES.
Claims use since June 13, 1941.

Ser. No. 445,261. DUTCHESS UNDERWEAR CORPORATION, New York, N. Y. Filed July 11, 1941.

NYLURA

FOR LADIES' UNDERWEAR, PAJAMAS, NIGHTGOWNS, AND DRESSES.
Claims use since June 1, 1940.

Ser. No. 445,280. TEXAS TANNING & MANUFACTURING COMPANY, Yoakum, Tex. Filed July 11, 1941.

-TEX-TAN-

No claim is made to the word "Tan" apart from the mark.
FOR MEN'S, WOMEN'S, AND CHILDREN'S ARTICLES OF APPAREL—NAMELY, BELTS, CHAPS, AND PUTTEES, ALL MADE OF LEATHER.
Claims use since 1936

Ser. No. 445,290. KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa. Filed July 12, 1941.

Cavalkool

FOR MEN'S CLOTHING CONSISTING OF SUITS, OVERCOATS, TROUSERS, AND RAINCOATS.
Claims use since May 11, 1939.

Ser. No. 445,291. KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa. Filed July 12, 1941.

Cavaltwist

FOR MEN'S CLOTHING CONSISTING OF SUITS, OVERCOATS, TROUSERS, AND RAINCOATS.
Claims use since Mar. 15, 1939.

Ser. No. 445,297. MUTUAL GARMENT COMPANY, St. Louis, Mo. Filed July 12, 1941.

Miss Co-Ed
BY WONDER MAID

FOR WOMEN'S WEARING APPAREL—NAMELY, SLIPS AND PETTICOATS.
Claims use since Feb. 1, 1934.

Ser. No. 445,307. E. SUSSMAN & CO., INC., New York, N. Y. Filed July 12, 1941.

Norpaca

FOR MEN'S AND BOYS' OVERCOATS, TOPCOATS, JACKETS, TROUSERS, SLACKS, SUITS, AND MACKINAWS.
Claims use since June, 1931.

Ser. No. 445,358. THE JOSEPH & FEISS COMPANY, Cleveland, Ohio. Filed July 15, 1941.

Glenwick

FOR MEN'S AND YOUTHS' SUITS CONSISTING OF COATS, VESTS, AND TROUSERS.
Claims use since Feb. 6, 1941.

Ser. No. 445,372. U. S. NECKWEAR CORPORATION, New York, N. Y. Filed July 15, 1941.

TYLON

FOR NECKTIES AND SCARFS.
Claims use since June 30, 1941.

Ser. No. 445,442. WILSON BROTHERS, Chicago, Ill. Filed July 17, 1941.

LARIAT



FOR MEN'S OUTER SHIRTS.
Claims use since June 24, 1941.

Ser. No. 445,492. MARSHALL FIELD & COMPANY, Chicago, Ill. Filed July 19, 1941.

Field Golfer

FOR WOMEN'S SPORT DRESSES.
Claims use since Oct. 10, 1940.

Ser. No. 445,613. OLYMPIC KNITWEAR, INC., New York, N. Y. Filed July 24, 1941.

LUSHLURA

FOR SWEATERS.
Claims use since May 26, 1941.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 441,845. THE AMERICAN MILLS COMPANY OF NEW YORK, New Haven and West Haven, Conn., assignor to The United Elastic Corporation, Easthampton, Mass., a corporation of Massachusetts. Filed Mar. 24, 1941.

PERMOBRAID

FOR NARROW ELASTIC FABRICS AND TAPES.
Claims use since Nov. 1, 1939.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 441,692. MORRIS BRALOWER, New York, N. Y. Filed Mar. 19, 1941.
Applicant disclaims the word "Product" apart from the mark.

ROSES ON PARADE
A Mayflower Product

FOR PIECE GOODS OF DYED AND PRINTED SILKS, AND SATIN, PIECE GOODS MADE OF SILK, RAYON, ACETATE, COTTON, AND MIXTURES THEREOF.
Claims use since Nov. 15, 1940.

Ser. No. 444,211. BEAR MILL MANUFACTURING CO., INC., New York, N. Y. Filed June 5, 1941. Under 10-year proviso.

BARNSLEY DRILL



FOR LINEN FINISH SATEEN IN THE PIECE.
Claims use since 1884.

Ser. No. 444,331. FIRTH CARPET COMPANY, New York, N. Y. Filed June 9, 1941.

RAGGEDY ANN

FOR CARPETS AND RUGS.
Claims use since Jan. 9, 1941.

Ser. No. 445,080. AVONDALE MILLS, Sylacauga, Ala. Filed July 5, 1941.

DISCOVERY

No claim is made to the word "Avondale" apart from the mark.

FOR COTTON FABRICS, COMPRISING CHAMBRAYS AND COVERTS.

Claims use since Aug. 26, 1937.

Ser. No. 445,208. NATIONAL FABRICS CORPORATION, New York, N. Y. Filed July 9, 1941.



FOR TEXTILE FABRICS IN THE PIECE—NAMELY, SILK FABRICS, RAYON FABRICS, FABRICS CONSISTING OF A MIXTURE OF RAYON AND SILK, AND COTTON, WOOLEN, OR LINEN FABRICS.

Claims use since May 5, 1941.

Ser. No. 445,217. WULLSCHLEGER & Co., New York, N. Y. Filed July 9, 1941.

FASHION FUTURES

The word "Fashion" is disclaimed apart from the mark.

FOR SILK, SATIN, RAYON, AND COTTON FABRICS, AND MIXTURES THEREOF, IN THE PIECE.

Claims use since June 3, 1941.

Ser. No. 445,600. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed July 24, 1941.

KENANESE

FOR PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES.

Claims use since July 22, 1941.

Ser. No. 445,724. L. W. GUILD COMPANY, INC., Boston, Mass. Filed July 29, 1941.

DRIZONE

FOR COTTON TEXTILE FABRICS SOLD IN THE PIECE OR CUT LENGTHS.

Claims use since Mar. 1, 1940.

CLASS 43

THREAD AND YARN

Ser. No. 444,879. NATIONAL RAYON DYEING COMPANY, INCORPORATED, Newark, N. J. Filed June 26, 1941.

Colorplus

FOR CROCHET YARN.

Claims use since June 18, 1941.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 440,611. PROFESSIONAL SPECIALTIES, INC., St. Louis, Mo. Filed Feb. 12, 1941.

Profex

FOR SURGICAL GLASSWARE—NAMELY, SEDIMENTATION GLASSES, PERCOLATOR GLASSES, CONNECTING TUBES, MEASURING GLASSES AND GRADUATES, MEDICINE TUBES, DRESSING JARS, CENTRIFUGE TUBES, STERILIZER JARS, FUNNELS, DRIP TUBES, DOUCHE TUBES, CULTURE TUBES, NOZZLES.

Claims use since October, 1938.

Ser. No. 441,095. THE LA COEUR COMPANY, Meadville, Pa. Filed Feb. 28, 1941.



FOR WAVING APPARATUS AND PADS THEREFOR.

Claims use since Feb. 26, 1941.

Ser. No. 444,735. GEORGE W. GATES & Co., INC., Franklin Square, N. Y. Filed June 21, 1941.

LUMICIDE

FOR ULTRA VIOLET LAMPS.

Claims use since June 11, 1941.

Ser. No. 445,333. FRANK REPROGLE, doing business as Rep Products Co., St. Louis, Mo. Filed July 14, 1941.

REP'S

Cast & Bandage Cutter

The words "Cast & Bandage Cutter" are disclaimed apart from the mark.

FOR SURGICAL SAWS FOR REMOVING CASTS AND BANDAGES.

Claims use since July 2, 1941.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 444,382. FRANK LOZENSKI, doing business as Hy-Ge Beverage Co., Leavenworth, Kans. Filed June 10, 1941.



FOR NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS AND SYRUPS AND EXTRACTS FOR MAKING THE SAME.

Claims use since May 12, 1941.

Ser. No. 445,343. UNITED BUYERS CORPORATION, doing business as Foodcraft Products, Chicago, Ill. Filed July 14, 1941.

Foodcraft

FOR NON-ALCOHOLIC, NON-CEREAL, MALTLESS CARBONATED BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS AND EXTRACTS FOR MAKING THE SAME.

Claims use since Sept. 1, 1935.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 431,150. ROSS M. COOLEDGE AND LEO C. ANTLES, Wenatchee, Wash. Filed Apr. 24, 1940.

FRIGI-VENDR

The word "Vendr" is not claimed apart from the mark.

FOR FRESH DECIDUOUS AND CITRUS FRUITS.

Claims use since Mar. 29, 1940.

Ser. No. 432,270. QUICK MEAL CEREAL CO., Minneapolis, Minn. Filed May 23, 1940.

PERHO

FOR CEREAL CONSISTING OF TOASTED WHEAT, CORN, OATS, BARLEY, AND FLAX.

Claims use since Apr. 1, 1938.

Ser. No. 437,805. BURSLEY & COMPANY, INC., Fort Wayne, Ind. Filed Nov. 13, 1940.



The portrait is fanciful.

FOR COFFEE, TEA, WHEAT FLOUR, PANCAKE FLOUR, COMPOUND OF BUCKWHEAT, CORN AND WHEAT FLOUR, CORN MEAL, BAKING POWDER, CORN STARCH, FOOD FLAVORING EXTRACTS, GROUND AND WHOLE SPICES; CANNED VEGETABLES—NAMELY, ASPARAGUS, RED KIDNEY BEANS, LIMA BEANS, GREEN BEANS, WAX BEANS, DICED CARROTS, SWEET CORN, BEAN SPROUTS, MIXED VEGETABLES, PEAS, PIMENTOS, SWEET POTATOES, POTATO STICKS, PUMPKIN, SAUERKRAUT, TOMATOES AND TOMATO PUREE; TOMATO SOUP; CANNED FRUITS—NAMELY, APRICOTS, PEACHES, BLACK RASPBERRIES, RED PITTED CHERRIES, GRAPEFRUIT, PINEAPPLE; APPLE SAUCE, CRANBERRY SAUCE, CHOW MEIN NOODLES, HOMINY, SPAGHETTI, BABY FOODS IN THE NATURE OF STRAINED VEGETABLES, APRICOT NECTAR FOR FOOD PURPOSES, GRAPEFRUIT JUICE FOR FOOD PURPOSES, PRUNE JUICE FOR FOOD PURPOSES, DRIED SLICED BEEF, CANNED OYSTERS, CANNED SALMON, CANNED SHRIMP, CANNED EVAPORATED MILK, GELATINE DESSERT POWDERS, MARSHMALLOW CREME, SALT, TABLE SYRUPS, CHOCOLATE FLAVORED MALTED MILK POWDERS, WHEAT PUFFS, RICE PUFFS, WHEAT FLAKES, BRAN FLAKES, CORN FLAKES, WHEAT CEREAL, ROLLED OATS, EGG NOODLES, OLEOMARGARINE, CATSUP, SALAD DRESSING AND PEANUT BUTTER.

Claims use since Feb. 15, 1919.

Ser. No. 443,878. MAE E. FEHR, doing business as Fehr's Products Company, Sacramento, Calif. Filed May 24, 1941.

BOR-DO-LAY

FOR GARLIC SAUCE USED FOR ENRICHING MEATS, FISH, FOWL, SOUPS, AND USED FOR GRAVIES.

Claims use since Apr. 4, 1940.

Ser. No. 443,954. ALEXANDER ROSENBERG, doing business as Dutch Cheese Importers Co., New York, N. Y. Filed May 26, 1941.

RUTA

FOR HAMS.
Claims use since Oct. 24, 1940.

Ser. No. 444,981. SEBASTIANI CANNING CO., Sonoma, Calif. Filed June 30, 1941.



No claim is made to the word "Sweet" apart from the mark.
FOR CANNED VEGETABLES—NAMELY, CANNED BEETS.
Claims use since May 22, 1941.

Ser. No. 445,037. BLANKE-BAER EXTRACT & PRESERVING CO., St. Louis, Mo. Filed July 3, 1941.

WIN-YOU

FOR FRUIT BUTTERS, FRUIT PRESERVES, JELLIES, FLAVORING EXTRACTS FOR FOOD, PEANUT BUTTER, SANDWICH SPREAD, MUSTARD, PICKLES, OLIVES, SALAD DRESSING, MAYONNAISE, AND THE FOLLOWING PRODUCTS FOR USE ON OR IN ICE CREAM: FRUIT JUICES, FOUNTAIN FRUITS FOR SODA FOUNTAINS AND HOME USE, DRY NUTMEATS, NUTMEATS IN SYRUP, FROZEN FRUITS, CANDIES, CHOCOLATE SYRUP, CHOCOLATE PASTE AND MARSHMALLOW CREME.
Claims use since Aug. 1, 1918 on fruit butters, fruit preserves, jellies and flavoring extracts; since Jan. 6, 1927, on peanut butter and mustard; since Jan. 12, 1926, on pickles and olives; since June 13, 1927, on salad dressing and mayonnaise; and since about 1924 on all other products.

Ser. No. 445,187. SCOTT W. HAYES, Bloomington, Ill. Filed July 5, 1941.

SUNRISE CHICKS

The word "Chicks" is disclaimed in the mark.
FOR BABY CHICKS.
Claims use since Mar. 1, 1941.

Ser. No. 445,265. GENERAL GUM, INCORPORATED, Chicago, Ill. Filed July 11, 1941.

Winkie

FOR CHEWING GUM.
Claims use since May 2, 1941.

Ser. No. 445,553. THE MAGIC NUT SHOP, Los Angeles, Calif. Filed July 22, 1941.



The word "Nut" is disclaimed apart from its association with the other features of the mark.
FOR SHELLED NUTS.
Claims use since Apr. 8, 1940.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 444,690. A. L. SIEGEL CO., INC., Newark, N. J. Filed June 19, 1941.

FLEXEDGE

FOR ARTICLE COVERS MADE FROM "PLIOFILM," "CELLOPHANE," OR THE LIKE—NAMELY, BOWL COVERS, PLATTER COVERS, TOASTER COVERS, BROILER COVERS, ELECTRIC MIXER COVERS, JUICER COVERS, MILK BOTTLE COVERS, CUP COVERS, GLASS COVERS, CEREAL BOX COVERS, CANISTER COVERS, DISH COVERS, SILEX COVERS, AND SIMILAR COVERS.
Claims use since Jan. 5, 1940.

Ser. No. 444,691. A. L. SIEGEL CO., INC., Newark, N. J. Filed June 19, 1941.

Vita-Guard

FOR ARTICLE COVERS MADE FROM "PLIOFILM," "CELLOPHANE," OR THE LIKE—NAMELY, ROAST PLATTER COVERS, DISH COVERS, BOWL COVERS, BROILER COVERS, SILEX COVERS, TOASTER COVERS, ELECTRIC MIXER COVERS, MILK BOTTLE COVERS, JUICER COVERS AND CAKE COVERS.
Claims use since Apr. 8, 1941.

Ser. No. 445,270. LIGHT CONDITIONING COMPANY OF AMERICA, INC., New York, N. Y. Filed July 11, 1941.

LUXOID

FOR PLASTIC SHEETS AND LAMINATIONS THEREOF, LAMINATIONS OF PLASTIC SHEETS WITH GLASS FIBER LAYERS.
Claims use since June 28, 1941.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

SEPTEMBER 16, 1941

390,253. GLACÉ FRUITS, GLACÉ FRUIT PEELS, FRUIT JAMS, FRUIT JELLIES, FRUIT FILLINGS FOR PASTRIES, MINCE MEAT, ETC. GRAY & COMPANY, Portland, Oreg.
Filed November 15, 1937. Serial No. 399,756. PUBLISHED JULY 8, 1941. Class 46.

390,254. FRESH POTATOES IN THEIR NATURAL STATE. WEYL-ZUCKERMAN & Co., Stockton, Calif.
Filed October 3, 1938. Serial No. 411,258. PUBLISHED JULY 8, 1941. Class 46.

390,255. PENCILS, MECHANICAL PENCILS, AND FOUNTAIN PENS. AMERICAN LEAD PENCIL COMPANY, Hoboken, N. J.
Filed April 12, 1939. Serial No. 418,129. PUBLISHED JULY 8, 1941. Class 37.

390,256. MEN'S AND BOYS' SHIRTS. NEW ERA SHIRT COMPANY, St. Louis, Mo.
Filed October 16, 1939. Serial No. 424,601. PUBLISHED JUNE 24, 1941. Class 39.

390,257. ARROWROOT STARCH AND FLOUR. MORNINGSTAR, NICOL, INC., New York, N. Y.
Filed March 19, 1940. Serial No. 429,741. PUBLISHED JULY 8, 1941. Class 46.

390,258. READY MIXED PAINTS, VARNISHES, PAINT ENAMELS, GLAZING COMPOUND, ASBESTOS AND ASPHALT ROOF PAINT COATING. E. RABINOWE & Co. INC., Yonkers, N. Y.
Filed March 23, 1940. Serial No. 429,886. PUBLISHED JULY 8, 1941. Class 16.

390,259. BELT DRESSING. DURYEA PRODUCTS COMPANY, INCORPORATED, Jersey City, N. J.
Filed May 4, 1940. Serial No. 431,549. PUBLISHED JULY 8, 1941. Class 4.

390,260. AUTOMOBILE POLISH. CHARLES MARSHALL, doing business as Marshall Products, Nampa, Idaho.
Filed May 14, 1940. Serial No. 431,917. PUBLISHED JULY 8, 1941. Class 16.

390,261. RADIO RECEIVERS. AUTOMATIC RADIO MANUFACTURING CO., INC., Boston, Mass.
Filed May 25, 1940. Serial No. 432,832. PUBLISHED AUGUST 13, 1940. Class 21.

390,262. LOUNGE CHAIRS. KROEHLER MFG. CO., Naperville, Ill.
Filed June 28, 1940. Serial No. 433,491. PUBLISHED NOVEMBER 5, 1940. Class 32.

390,263. NEWSPAPERS. HARRY F. GUGGENHEIM AND ALICIA PATTERSON, Hempstead, N. Y.
Filed September 20, 1940. Serial No. 436,176. PUBLISHED JULY 1, 1941. Class 38.

390,264. REFRIGERATING APPARATUS AND PARTS THEREOF. MOTOR PRODUCTS CORPORATION, Detroit, Mich., and North Chicago, Ill.
Filed October 24, 1940. Serial No. 437,250. PUBLISHED JULY 8, 1941. Class 31.

390,265. CANNED FOODS—SPECIFICALLY, APPLESAUCE, APRICOTS, ASPARAGUS, BEANS WITH PORK, BEETS, COFFEE, ETC. BALTIMORE MARKETS, INC., Philadelphia, Pa.
Filed October 28, 1940. Serial No. 437,331. PUBLISHED APRIL 22, 1941. Class 46.

390,266. LATHES. AXELSON MANUFACTURING CO., Los Angeles, Calif.
Filed November 4, 1940. Serial No. 437,545. PUBLISHED JULY 8, 1941. Class 23.

390,267. OLIVE OIL, HEARTS OF ARTICHOKES, AND FILET OF ANCHOVIES. A. GIUBLANI & BRO., San Francisco, Calif.
Filed November 22, 1940. Serial No. 438,129. PUBLISHED MARCH 11, 1941. Class 46.

390,268. WOMEN'S AND MISSES' SLIPS. THE PATRICIA PETTICOAT CO., INC., New York, N. Y.
Filed December 16, 1940. Serial No. 438,898. PUBLISHED JUNE 24, 1941. Class 39.

390,269. CEREALS—NAMELY, WHEAT PUFFS AND RICE PUFFS. DAVID PENDER GROCERY COMPANY, Norfolk, Va.
Filed JANUARY 2, 1941. Serial No. 439,361. PUBLISHED JULY 8, 1941. Class 46.

390,270. CANNED PEAS. BAKER CANNING COMPANY, Dundas and Theresa, Wis.
Filed January 7, 1941. Serial No. 439,454. PUBLISHED JULY 8, 1941. Class 46.

390,271. CARBURETORS AND CARBURETOR PARTS. HENRY B. SHERMAN, New York, N. Y.
Filed January 22, 1941. Serial No. 439,880. PUBLISHED JULY 8, 1941. Class 23.

390,272. CREAM CHEESE. THE BORDEN COMPANY, New York, N. Y.
Filed February 11, 1941. Serial No. 440,541. PUBLISHED JULY 8, 1941. Class 46.

390,273. CANNED CITRUS FRUIT JUICES. THE MCDONALD CORPORATION, Lakeland, Fla.
Filed February 11, 1941. Serial No. 440,559. PUBLISHED JULY 8, 1941. Class 46.

390,274. MALTLESS NON-ALCOHOLIC BEVERAGES SOLD AS SOFT DRINKS. H. M. NUNAN, doing business as Indian Maid Beverage Co., Fullerton, Calif.
Filed February 17, 1941. Serial No. 440,729. PUBLISHED JULY 8, 1941. Class 45.

390,275. SAUSAGE CASINGS. MONGOLIA IMPORTING CO. INC., New York, N. Y.
Filed February 27, 1941. Serial No. 441,058. PUBLISHED JULY 8, 1941. Class 46.

390,276. LADIES' AND CHILDREN'S UNDERWEAR. BLUE SWAN MILLS, INC., New York, N. Y.
Filed March 1, 1941. Serial No. 441,122. PUBLISHED JUNE 24, 1941. Class 39.

390,277. DEFROSTING AND VENTILATING FANS FOR MOTOR VEHICLES. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio.
Filed March 15, 1941. Serial No. 441,570. PUBLISHED JULY 8, 1941. Class 21.

390,278. WOMEN'S AND MISSES' FUR COATS. J. BERKOWITZ & SONS, INC., New York, N. Y.
Filed March 20, 1941. Serial No. 441,721. PUBLISHED JUNE 24, 1941. Class 39.

390,279. LINSEED MEAL WHICH IS USED AS LIVESTOCK AND DAIRY FEED OR AS AN INGREDIENT IN SUCH FOODS. NATIONAL LEAD COMPANY, New York, N. Y.
Filed March 20, 1941. Serial No. 441,738. PUBLISHED JULY 8, 1941. Class 46.

390,280. LINSEED MEAL WHICH IS USED AS LIVESTOCK AND DAIRY FEED OR AS AN INGREDIENT IN SUCH FEEDS. NATIONAL LEAD COMPANY, New York, N. Y.
Filed March 20, 1941. Serial No. 441,739. PUBLISHED JULY 8, 1941. Class 46.

390,281. UPHOLSTERED FURNITURE. PARIS DECORATORS CORP., New York, N. Y.
Filed March 20, 1941. Serial No. 441,742. PUBLISHED JULY 8, 1941. Class 32.

390,282. GAME CLOTH AND A BOARD GAME PLAYED WITH MOVABLE PIECES. AARON GEORGE GRANT, Oakland, Calif.
Filed March 24, 1941. Serial No. 441,865. PUBLISHED JULY 8, 1941. Class 22.

390,283. BAKERY PRODUCTS—NAMELY, CRACKERS. LOOSE-WILES BISCUIT COMPANY, New York and Long Island City, N. Y.
Filed March 27, 1941. Serial No. 442,010. PUBLISHED JULY 8, 1941. Class 46.

390,284. CANNED VEGETABLES—NAMELY, CORN, CARROTS AND PEAS, PEAS, BEETS, CARROTS, GREEN BEANS, WAX BEANS, ETC. THE KREBS PRESERVING COMPANY, Belgium, Wis.
Filed March 31, 1941. Serial No. 442,133. PUBLISHED JULY 8, 1941. Class 46.

390,285. BOURBON WHISKEYS. OLD JOE DISTILLING COMPANY, Lawrenceburg, Ky.
Filed April 5, 1941. Serial No. 442,328. PUBLISHED JULY 8, 1941. Class 49.

390,286. FLEXIBLE ABRASIVE ARTICLE FOR FINE GRINDING, FINISHING, AND POLISHING OPERATIONS. SANDPAPER INCORPORATED, Waltham, Mass.
Filed April 9, 1941. Serial No. 442,430. PUBLISHED JULY 8, 1941. Class 4.

390,287. BOUILLON CUBES. ROMANOFF CAVIAR COMPANY, New York, N. Y.
Filed April 15, 1941. Serial No. 442,603. PUBLISHED JULY 8, 1941. Class 46.

390,288. WOMEN'S AND MISSES' BLOUSES AND DRESSES. S. WOLFSON & GREENBAUM, INC., New York, N. Y.
Filed April 17, 1941. Serial No. 442,682. PUBLISHED JUNE 24, 1941. Class 39.

390,289. COFFEE, TEA, MUSTARD, AND CANDY. GOLDSMITH BROS., New York, N. Y.
Filed April 18, 1941. Serial No. 442,702. PUBLISHED JULY 8, 1941. Class 46.

390,290. WOMEN'S COATS. THE MAY DEPARTMENT STORES COMPANY, New York, N. Y.; Baltimore, Md.; Cleveland, Ohio; Los Angeles, Calif.; and Denver, Colo.; also doing business as Famous-Barr Company, St. Louis, Mo.; and also as The M. O'Neil Co., Akron, Ohio.
Filed April 18, 1941. Serial No. 442,717. PUBLISHED JUNE 24, 1941. Class 39.

390,291. DOLLS, TOY SURGICAL INSTRUMENTS, AND TOY BADGES. HAROLD W. MUNRO, Providence, R. I.
Filed April 19, 1941. Serial No. 442,755. PUBLISHED JULY 8, 1941. Class 22.

390,292. BLEND OF CANNED EDIBLE OILS. BEATRICE SALES CORPORATION, New York and Brooklyn, N. Y.
Filed April 21, 1941. Serial No. 442,817. PUBLISHED JULY 8, 1941. Class 46.

390,293. WATER COLORS. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y.
Filed April 22, 1941. Serial No. 442,832. PUBLISHED JULY 8, 1941. Class 16.

390,294. POCKETBOOKS AND HANDBAGS. NEW YORK BAG CO. INC., New York, N. Y.
Filed April 22, 1941. Serial No. 442,849. PUBLISHED JULY 8, 1941. Class 3.

390,295. MEN'S AND BOYS' SUITS. SCHNEIDER, HOFFENBERG & MINES, INC., New York, N. Y.
Filed April 22, 1941. Serial No. 442,854. PUBLISHED JUNE 24, 1941. Class 39.

390,296. MATTRESSES AND BOX SPRINGS. FORT PITT BEDDING COMPANY, Pittsburgh, Pa.
Filed April 24, 1941. Serial No. 442,899. PUBLISHED JULY 8, 1941. Class 32.

390,297. MATTRESSES AND BOX SPRINGS. FORT PITT BEDDING COMPANY, Pittsburgh, Pa.
Filed April 24, 1941. Serial No. 442,900. PUBLISHED JULY 8, 1941. Class 32.

390,298. FILTER CLOTHS. J. DE LA TORRE E HIJO, S. R. L., Mexico City, Mexico.
Filed April 25, 1941. Serial No. 442,932. PUBLISHED JULY 8, 1941. Class 31.

390,299. PROCESSED FOOD CONSISTING OF DEHYDRATED CEREAL GRASSES—NAMELY, WHEAT, OATS, RYE, AND BARLEY, FOR USE AS A SUPPLEMENT TO THE HUMAN DIET. CEROPHYL LABORATORIES, INC., Kansas City, Mo.
Filed April 26, 1941. Serial No. 442,990. PUBLISHED JULY 8, 1941. Class 46.

390,300. ALCOHOLIC LIQUERS. BASTIERE DELATOUR, doing business as E. Delatour & Cie., and B. Delatour & Cie., Cognac and Bordeaux, France, and Ponce, P. R.
Filed April 26, 1941. Serial No. 442,993. PUBLISHED JULY 8, 1941. Class 49.

390,301. LADIES' AND MISSES' KNITTED SPORT SWEATERS AND TWO PIECE KNITTED DRESSES. SELECT SPORTSWEAR, INC., New York, N. Y.
Filed April 26, 1941. Serial No. 443,018. PUBLISHED JUNE 24, 1941. Class 39.

390,302. MEN'S AND BOYS' UNDERWEAR AND KNITTED OUTERWEAR—NAMELY, SWEATERS, INCLUDING PULLOVERS AND BUTTONED SWEATERS; JACKETS AND SPORTS COATS. A. A. SMITH & SON, INC., New York, N. Y.
Filed April 26, 1941. Serial No. 443,020. PUBLISHED JUNE 24, 1941. Class 39.

390,303. MEN'S AND BOYS' UNDERWEAR AND KNITTED OUTERWEAR—NAMELY, SWEATERS, INCLUDING PULLOVERS AND BUTTONED SWEATERS; JACKETS AND SPORTS COATS. A. A. SMITH & SON, INC., New York, N. Y.
Filed April 26, 1941. Serial No. 443,021. PUBLISHED JUNE 24, 1941. Class 39.

390,304. ELECTRIC LIGHTING FIXTURES AND PARTS THEREOF. GLOBE LIGHTING FIXTURE MFG. CO., New York, N. Y.
Filed April 29, 1941. Serial No. 443,081. PUBLISHED JULY 8, 1941. Class 21.

390,305. ICE CRUSHERS. RICHARD S. MCCLINTOCK, Spokane, Wash.
Filed April 29, 1941. Serial No. 443,087. PUBLISHED JULY 8, 1941. Class 23.

390,306. CONTAINERS—NAMELY, SHEET METAL BARRELS OR DRUMS LINED WITH LACQUER OR OTHER SUITABLE COATINGS AND USED FOR SHIPPING AND STORING VARIOUS PRODUCTS INCLUDING FOODS, MEATS, FRUITS, PAINTS, AND NUMEROUS DIFFERENT FORMS OF CHEMICALS. WILSON & BENNETT MFG. COMPANY, Chicago, Ill.
Filed April 30, 1941. Serial No. 443,150. PUBLISHED JULY 8, 1941. Class 2.

390,307. WEIGHING SCALES. TOLEDO SCALE COMPANY, Toledo, Ohio.
Filed May 1, 1941. Serial No. 443,175. PUBLISHED JULY 8, 1941. Class 26.

390,308. ELECTRICAL-CONNECTING LUGS OR SOLDERLESS ELECTRICAL CONNECTORS. THE THOMAS & BETTS CO., Elizabeth, N. J.
Filed May 3, 1941. Serial No. 443,239. PUBLISHED JULY 8, 1941. Class 21.

390,309. DRIED FRUITS. JAMES G. VAGIM, doing business as Vagim Packing Co., Fresno, Calif.
Filed May 5, 1941. Serial No. 443,271. PUBLISHED JULY 8, 1941. Class 46.

390,310. DRIED FRUITS. JAMES G. VAGIM, doing business as Vagim Packing Co., Fresno, Calif.
Filed May 5, 1941. Serial No. 443,272. PUBLISHED JULY 8, 1941. Class 46.

390,311. PRACTICE GOLF BALL RETRIEVERS. IAN MACDONALD, Modesto, Calif.
Filed May 6, 1941. Serial No. 443,298. PUBLISHED JULY 8, 1941. Class 22.

390,312. CAT FOOD. MARCO ANIMAL FOODS, INC., Philadelphia, Pa.
Filed May 6, 1941. Serial No. 443,299. PUBLISHED JULY 8, 1941. Class 46.

390,313. PIECE GOODS ALL OR IN PART OF COTTON, WOOL, RAYON, SILK, AND SYNTHETIC FIBRES. FRANK M. GECKLER, JR., doing business as Frank M. Geckler & Co., New York, N. Y.
Filed May 9, 1941. Serial No. 443,415. PUBLISHED JULY 8, 1941. Class 42.

390,314. LINEN AND COTTON FABRICS IN THE PIECE, TABLE CLOTHS, NAPKINS, SCARVES, KITCHEN AND BATHROOM TOWELS. LEACOCK & Co., INC., New York, N. Y.
Filed May 10, 1941. Serial No. 443,461. PUBLISHED JULY 8, 1941. Class 42.

390,315. GAME COMPRISING A BOARD PLAYING FIELD, MOVABLE PIECES, AND A PLURALITY OF DICE. S. RAY DAUGHERTY, Los Angeles, Calif.
Filed May 13, 1941. Serial No. 443,532. PUBLISHED JULY 8, 1941. Class 22.

390,316. COTTON, RAYON, ACETATE, AND/OR SILK PIECE GOODS. COHN-HALL-MARX CO., New York, N. Y.
Filed May 14, 1941. Serial No. 443,555. PUBLISHED JULY 8, 1941. Class 42.

390,317. BRANDY. ITALIAN VINEYARD COMPANY, Los Angeles, Calif.
Filed May 14, 1941. Serial No. 443,570. PUBLISHED JULY 8, 1941. Class 49.

390,318. WORSTED AND WOOLEN TEXTILE FABRICS. LEEWOOD FABRICS, INC., New York, N. Y.
Filed May 15, 1941. Serial No. 443,611. PUBLISHED JULY 8, 1941. Class 42.

390,319. SOAPS. ST. DENIS TOILETRIES, INC., New York, N. Y.
Filed May 15, 1941. Serial No. 443,618. PUBLISHED JULY 8, 1941. Class 4.

390,320. SOAP—NAMELY, TOILET SOAP. THE HEWITT SOAP COMPANY, INC., Dayton, Ohio.
Filed May 16, 1941. Serial No. 443,633. PUBLISHED JULY 8, 1941. Class 4.

390,321. CANNED SALMON. FEDERATED FOODS, INC., also doing business as Federated Foods, Chicago, Ill.
Filed May 17, 1941. Serial No. 443,656. PUBLISHED JULY 8, 1941. Class 46.

390,322. FRESH VEGETABLES. SHAPIRO BROS. INC., Chicago, Ill., and Phoenix, Ariz.
Filed May 20, 1941. Serial No. 443,735. PUBLISHED JULY 8, 1941. Class 46.

390,323. PIECE GOODS OF RAYON. AMERICAN BLEACHED GOODS COMPANY, INC., New York, N. Y.
Filed May 21, 1941. Serial No. 443,740. PUBLISHED JULY 8, 1941. Class 42.

390,324. CLEANING FLUID FOR FABRICS. BOTANY WORSTED MILLS, Passaic, N. J.
Filed May 21, 1941. Serial No. 443,744. PUBLISHED JULY 8, 1941. Class 4.

390,325. RUGS, CARPETS, AND PILE FABRICS IN THE PIECE. ESTATE OF OTTO TIMME, DECEASED, doing business as E. F. Timme & Son, New York, N. Y.
Filed May 21, 1941. Serial No. 443,757. PUBLISHED JULY 8, 1941. Class 42.

390,326. FURNISHING FABRICS IN THE PIECE, BED COVERS, AND TABLE COVERS, ALL BEING WOVEN GOODS COMPOSED OF TEXTILE MATERIALS. HELIOS, LIMITED, Bolton, England.
Filed May 21, 1941. Serial No. 443,760. PUBLISHED JULY 8, 1941. Class 42.

390,327. TEXTILE FABRICS IN THE PIECE OF FINE COUNT POPLIN, COTTON BASE, AND WATER REPELLENT FINISH. MELLO SHEEN CORPORATION, New York, N. Y.
Filed May 21, 1941. Serial No. 443,775. PUBLISHED JULY 8, 1941. Class 42.

390,328. HAND CLEANERS. MATHIAS SMYSER LEWIS, doing business as The Lewis Laboratories, Drexel Hill, Pa.
Filed May 22, 1941. Serial No. 443,812. PUBLISHED JULY 8, 1941. Class 4.

390,329. BLEND OF IMPORTED PANAY RUM, MOUQUIN TRIPLE SEC LIQUEUR, LEMON JUICE, AND GRENADINE. AUSTIN, NICHOLS & CO., INCORPORATED, Brooklyn and New York, N. Y.
Filed May 26, 1941. Serial No. 443,908. PUBLISHED JULY 8, 1941. Class 49.

390,330. FISH LURES. L. B. COOK BAIT MFG. CO., Shreveport, La.
Filed May 26, 1941. Serial No. 443,917. PUBLISHED JULY 8, 1941. Class 22.

390,331. VENETIAN BLINDS. THE CHAS. W. BRENEMAN CO., Cincinnati, Ohio.
Filed May 31, 1941. Serial No. 444,068. PUBLISHED JULY 8, 1941. Class 32.

390,332. VENETIAN BLINDS. THE CHAS. W. BRENEMAN CO., Cincinnati, Ohio.
Filed May 31, 1941. Serial No. 444,069. PUBLISHED JULY 8, 1941. Class 32.

390,333. CHEMICAL PRODUCT IN ANY OF ITS THREE FORMS: CRYSTALLIZED, POWDER OR TABLETS. ERNESTO JOSÉ SARRÁ Y HERNÁNDEZ, Habana, Cuba.
Filed March 17, 1939. Under General Inter-American Convention for Trade-Mark and Commercial Protection. Serial No. 1,302 (Inter-American Series). Class 6.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

390,334. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HOOF PRODUCTS COMPANY, Chicago, Ill. Filed Aug. 11, 1937. Serial No. 396,268.

DUAL-CONTROL

FOR GOVERNORS AND PARTS THEREOF FOR INTERNAL COMBUSTION ENGINES, CARBURETORS AND PARTS THEREOF FOR INTERNAL COMBUSTION ENGINES.
Claims use since July 28, 1937.

390,335. (CLASS 12. CONSTRUCTION MATERIALS.) THE CELOTEX CORPORATION, Chicago, Ill. Filed Apr. 26, 1939. Serial No. 418,703.

SOLAR

FOR ROLL ROOFING, ASBESTOS ROOF COATING COMPRISING A COMPOSITION OF ASPHALT AND ASBESTOS FIBER THINNED WITH NAPHTHA, ASPHALT ROOF COATING COMPRISING ASPHALT, NAPHTHA, DISTILLATE, OR KEROSENE, AND PLASTIC CEMENT COMPRISING ASPHALT AND ASBESTOS, OF TROWELING CONSISTENCY.
Claims use since Aug. 30, 1938, for roofing; since Sept. 17, 1938, for asbestos roof coating and asphalt roof coating, and since Sept. 24, 1938, for plastic cement.

390,336. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LESTER S. OLSEN, doing business as The Milcola Co., Milwaukee, Wis. Filed Jan. 25, 1940. Serial No. 427,848.

DAIRY-KOLA

FOR A DAIRY DRINK HAVING A FLAVORED MILK AS ITS BASE.
Claims use since Nov. 24, 1939.

390,337. (CLASS 11. INKS AND INKING MATERIALS.) PEERLESS ROLL LEAF CO., INC., Union City, N. J. Filed June 21, 1940. Serial No. 433,263.

Leather Foil

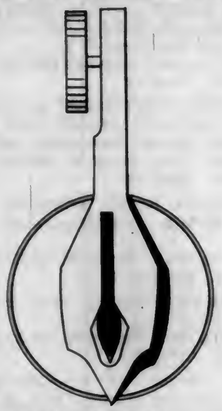
FOR TRANSFER ROLL LEAF.
Claims use since Aug. 1, 1923.

390,338. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FAREL DRESTIN, INC., New York, N. Y. Filed June 29, 1940. Serial No. 433,523.

ANGORA

FOR FACE POWDER, TALCUM POWDER, AND POWDERED ROUGE.
Claims use since May, 1939.

390,339. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) PFANSTIEHL CHEMICAL COMPANY, Waukegan, Ill. Filed July 19, 1940. Serial No. 434,160.



FOR PHONOGRAPH NEEDLES.
Claims use since Jan. 15, 1940.

390,340. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) NATIONAL GREENHOUSE MFG. CO., Pana, Ill. Filed Aug. 3, 1940. Serial No. 434,663.

PUTTITAPE

FOR GUM SEALING COMPOSITION ON A DEFORMABLE LEAD STRIP USED IN GLAZING OPERATIONS.
Claims use since June 28, 1940.

390,341. (CLASS 15. OILS AND GREASES.) HENRY BROWN, doing business as Operator's Oil & Refining, Long Beach, Calif. Filed Aug. 3, 1940. Serial No. 434,625.

Hi-Lead

FOR GASOLINE.
Claims use since July 17, 1940.

390,342. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THOMAS J. CURTIS, Los Angeles, Calif. Filed Sept. 12, 1940. Serial No. 435,895.

MULTIRAY ELECTRIC SIGN LENS

FOR LIGHT RAY TRANSMITTING AND DIFFUSING ELEMENTS USED IN ELECTRICALLY ILLUMINATED SIGNS.
Claims use since May 1, 1940.

390,343. (CLASS 12. CONSTRUCTION MATERIALS.) NORTHWESTERN PLASTIC ART CO. INC., Milwaukee, Wis. Filed Nov. 19, 1940. Serial No. 438,050.

NU-STONE

FOR PLASTIC IMITATION STONE WALL FACINGS.
Claims use since Aug. 1, 1940.

390,344. (CLASS 39. CLOTHING.) DAVID M. STUDNER, New York, N. Y. Filed Nov. 26, 1940. Serial No. 438,252.

Body Guard

FOR REMOVABLE AND ATTACHABLE LINING FOR COATS, JACKETS, AND OVERCOATS AND SIMILAR GARMENTS.
Claims use since June 1, 1940.

390,345. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) AL A. BANKS, doing business as Lyk-Nu Company, New York, N. Y. Filed Dec. 11, 1940. Serial No. 438,719.

KOTE-O-WAX

FOR COMPOUND OR COMPOUNDS FOR POLISHING, CLEANING, AND FINISHING AUTOMOBILE, FURNITURE, AND ALL PAINTED, VARNISHED, LACQUERED, AND OTHER SURFACES.
Claims use since Mar. 1, 1937.

390,346. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) E. J. BRACH & SONS, Chicago, Ill. Filed Dec. 13, 1940. Serial No. 438,789.



Dorothy Lee

FOR CANDY.
Claims use since July 9, 1940.

390,347. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OTTO ROTH & CO., INC., New York, N. Y. Filed Jan. 10, 1941. Serial No. 439,560.

Orsini

FOR CHEESE.
Claims use since Apr. 10, 1940.

390,348. (CLASS 32. FURNITURE AND UPHOLSTERY.) SCHARCO MANUFACTURING COMPANY, INC., New York, N. Y. Filed Jan. 15, 1941. Serial No. 439,704.

Sealed-Skin
STAY DRY

FOR MATTRESSES FOR JUVENILES.
Claims use since June, 1936.

390,349. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) LOCKPORT COTTON BATTING CO., Lockport, N. Y. Filed May 1, 1941. Serial No. 443,164.

NO FLAME

FOR COTTON WHICH HAS BEEN TREATED TO RENDER IT FIREPROOF.
Claims use since Sept. 15, 1932.

390,350. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) BALDT ANCHOR, CHAIN & FORGE CO., Chester, Pa. Filed May 10, 1941. Serial No. 443,449.

BALDT

FOR CHAIN CABLE.
Claims use since 1897.

390,351. (CLASS 27. HOROLOGICAL INSTRUMENTS.) NORMANDIE WATCH CO., New York, N. Y. Filed May 31, 1941. Serial No. 444,091.

NORMANDIE

FOR WATCHES AND WATCH PARTS.
Claims use since June 4, 1935.

390,352. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HEPPENSTALL COMPANY, Pittsburgh, Pa. Filed June 11, 1941. Serial No. 444,408.

SAFE-T-TONGS

FOR AUTOMATIC TONGS FOR LIFTING HEAVY ARTICLES.
Claims use since June 1, 1940.

390,353. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) EAGLE-OTTAWA LEATHER COMPANY, Chicago, Ill. Filed June 20, 1941. Serial No. 444,697.

MERICAN GRAINS

FOR LEATHER.
Claims use since Apr. 15, 1939.

390,354. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DANIEL BARRETT, Appeal, Md. Filed July 8, 1941. Serial No. 445,166.

BARRETT

FOR CRAB MEAT.
Claims use since June 1, 1940.

390,355. (CLASS 37. PAPER AND STATIONERY.) GOLDSMITH BROS., New York, N. Y. Filed July 11, 1941. Serial No. 445,266.

KLIPRITE

FOR STAPLING MACHINES OF THE PLIER TYPE FOR FASTENING PAPERS TOGETHER.
Claims use since Nov. 13, 1939.

TRADE-MARK REGISTRATIONS RENEWED

20,193. **SYMOCIDE.** AN ANTISEPTIC AND DETERGENT COMPOUND. Registered October 6, 1891. REED & CARNRICK, New York, N. Y. Re-renewed October 6, 1941, to Reed & Carnrick, Jersey City, N. J., a corporation of New Jersey.

20,194. **CORDIAL ANALEPTINE.** A REMEDY FOR RHEUMATISM AND GOUTY DIATHESIS. Registered October 6, 1891, REED & CARNRICK, New York, N. Y. Re-renewed October 6, 1941, to Reed & Carnrick, Jersey City, N. J., a corporation of New Jersey.

141,412. **HAUTANA.** ARTICLES OF CLOTHING. Registered April 19, 1921. MECHANISCHE TRIKOTWEBEREI STUTTGART LUDWIG MAIER & Co. Renewed April 19, 1941, to Mech. Trikotweberei Ludwig Maier & Co., A. G., Boblingen, Germany, a corporation of Germany, assignee.

144,795. **SPANISH STAR.** OLIVE-OIL. Registered July 19, 1921. PALLARÉS HERMANOS. Renewed July 19, 1941, to Pallarés Hermanos, S. A., Cabra, Spain, a corporation of Spain, assignee.

145,425. **STERLING.** GARDEN-SEED. Registered August 2, 1921. NORTHRUP, KING & Co., Minneapolis, Minn., a corporation of Minnesota. Renewed August 2, 1941.

145,457. **STARTOMETER.** ELECTRICAL AMMETERS. Registered August 2, 1921. HARRY I. SHIRE, Detroit, Mich. Renewed August 2, 1941.

145,616. **CHOCK-O-NUT.** ICE-CREAM. Registered August 16, 1921. BREYER ICE CREAM COMPANY. Renewed August 16, 1941, to Breyer Ice Cream Company, Philadelphia, Pa., a corporation of Delaware, assignee by mesne assignments.

145,817. **FILISAN.** CERTAIN PHARMACEUTICAL PREPARATION TO BE USED AS AN ANTHELMINTIC. Registered August 16, 1921. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland, a limited liability company of Switzerland. Renewed August 16, 1941.

146,003. **SURENOL.** PHARMACEUTICAL PREPARATIONS—NAMELY, EPINEPHRIN AND EPINEPHRIN SUBSTITUTE. Registered August 23, 1921. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland, a limited liability company of Switzerland. Renewed August 23, 1941.

146,004. **AFORENIN.** PHARMACEUTICAL PREPARATIONS—NAMELY, EPINEPHRIN AND EPINEPHRIN SUBSTITUTE. Registered August 23, 1921. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland, a limited liability company of Switzerland. Renewed August 23, 1941.

146,073. **AA.** SELF-RISING PANCAKE-FLOUR. Registered August 30, 1921. CODER, TUCKER & CHENEY, INC., Corning, N. Y., a corporation of New York. Renewed August 30, 1941.

146,135. **CLEARTRAC.** CATHARTICS AND PURGATIVES. Registered August 30, 1921. RAABE & BOWMAN. Renewed August 30, 1941, to Lester F. Raabe, Philadelphia, Pa., assignee.

146,254. **COSMOLUBRIC.** LUBRICATING-OILS. Registered September 6, 1921. E. F. HOUGHTON & Co., Philadelphia, Pa., a corporation of Pennsylvania. Renewed September 6, 1941.

146,255. **HYDROLUBRIC.** LUBRICATING-OILS FOR HYDRAULIC SYSTEMS. Registered September 6, 1921. E. F. HOUGHTON & Co., Philadelphia, Pa., a corporation of Pennsylvania. Renewed September 6, 1941.

146,307. **LA VONA.** HIGH-GRADE CIGARS. Registered September 6, 1921. JULIUS C. NEWMAN. Renewed September 6, 1941, to M. & N. Cigar Manufacturers, Inc., Cleveland, Ohio, a corporation of Ohio, assignee.

146,314. **STERLING.** POULTRY AND DAIRY FEED. Registered September 6, 1921. NORTHRUP, KING & Co., Minneapolis, Minn., a corporation of Minnesota. Renewed September 6, 1941.

146,734. **FIBERLOID.** HAIR-BRUSHES, CLOTHES-BRUSHES, TOOTHBRUSHES, AND NAIL-BRUSHES. Registered September 20, 1921. THE FIBERLOID CORPORATION, Indian Orchard, Mass. Renewed September 20, 1941, to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware, assignee.

146,773. **VITSOL.** METAL-CUTTING OILS. Registered September 20, 1921. E. F. HOUGHTON & Co., Philadelphia, Pa., a corporation of Pennsylvania. Renewed September 20, 1941.

146,774. **FRAPOL.** METAL-CUTTING OILS. Registered September 20, 1921. E. F. HOUGHTON & Co., Philadelphia, Pa., a corporation of Pennsylvania. Renewed September 20, 1941.

146,807. **VITRIFUSED.** FLUE-LININGS. Registered September 20, 1921. MALLEABLE IRON RANGE COMPANY, Beaver Dam, Wis., a corporation of Wisconsin. Renewed September 20, 1941.

146,956. **ASK FOR "BROX".** CANDY. Registered September 27, 1921. E. J. BRACH & SONS, Chicago, Ill., a corporation of Illinois. Renewed September 27, 1941.

147,316. **ACHROMINE.** CERTAIN NAMED CHEMICAL SUBSTANCES. Registered October 11, 1921. THE GRASSELLI CHEMICAL COMPANY, Cleveland, Ohio. Renewed October 11, 1941, to General Dyestuff Corporation, New York, N. Y., a corporation of New York, assignee by mesne assignments.

147,317. **CYPER.** DYES AND DYESTUFFS. Registered October 11, 1921. THE GRASSELLI CHEMICAL COMPANY, Cleveland, Ohio. Renewed October 11, 1941, to General Dyestuff Corporation, New York, N. Y., a corporation of New York, assignee by mesne assignments.

147,388. **PE.** PRINTED BOOKLETS AND LEAFLETS PUBLISHED FROM TIME TO TIME. Registered October 11, 1921. PROCESS ENGINEERS, INCORPORATED, New York, N. Y. Renewed October 11, 1941, to Judson A. DeCew, Mount Vernon, N. Y., assignee.

147,390. **VERDEE.** BODY-VERMIN DESTROYERS. Registered October 11, 1921. RAABE & BOWMAN. Renewed October 11, 1941, to Lester F. Raabe, Philadelphia, Pa., assignee.

147,536. **ARROW.** BLACK SHEETS OF ROLLED SOFT STEEL. Registered October 25, 1921. AMERICAN SHEET & TIN PLATE COMPANY. Renewed October 25, 1941, to Carnegie-Illinois Steel Corporation, Pittsburgh, Pa., a corporation of New Jersey, by merger.

147,643. **M & S 1909.** LEATHER LINK BELTS, ENDLESS BELTS, LEATHER DISKS, LEATHER PACKINGS AND WASHERS, AND CLUTCH-LEATHERS. Registered October 25, 1921. MITCHELL AND SMITH INC., Boston, Mass. Renewed October 25, 1941, to Mitchell and Smith, Inc., Detroit, Mich., a corporation of Massachusetts.

148,091. **WHITE HOUSE.** SOAP FOR BATH AND TOILET. Registered November 8, 1921. IOWA SOAP COMPANY, Burlington, Iowa, a corporation of Iowa. Renewed November 8, 1941.

148,136. **JUNIORS.** MEDICINAL TABLETS FOR STOMACH AND LIVER. Registered November 8, 1921. THE A. H. LEWIS MEDICINE COMPANY. Renewed November 8, 1941, to Lewis-Howe Co., St. Louis, Mo., a corporation of Delaware, assignee.

148,153. **CHAR-MING.** SILK PIECE GOODS. Registered November 8, 1921. H. R. MALLINSON & Co. INC. Renewed November 8, 1941, to Mallinson Fabrics Corporation, New York, N. Y., a corporation of New York, assignee.

148,239. **NATHAN TUCKER M. D.** A MEDICINAL PREPARATION FOR CERTAIN PURPOSES. Registered November 8, 1921. WILL B. ROBINSON, M. D., doing business as The Dr. Nathan Tucker Laboratory, Mount Gilead, Ohio. Renewed November 8, 1941.

148,458. **K V.** FIRE-HYDRANTS, INDICATOR-POSTS, AND CERTAIN VALVES. Registered November 15, 1921. THE KENNEDY VALVE MANUFACTURING COMPANY, Elmira, N. Y., a corporation of New York. Renewed November 15, 1941.

148,468. **PREMIER.** MEN'S DRESS-SHIRTS. Registered November 15, 1921. LORD & TAYLOR, New York, N. Y., a corporation of New York. Renewed November 15, 1941.

148,897. **EN TOUR.** SILK PIECE GOODS. Registered November 29, 1921. H. R. MALLINSON & Co., INC. Renewed November 29, 1941, to Mallinson Fabrics Corporation, New York, N. Y., a corporation of New York, assignee.

148,902. **ADOR'ME.** PERFUMES, FACE-POWDERS, TALCUM POWDERS, TOILET WATERS, SACHETS, SACHET-POWDERS, ROUGE, AND LIP-STICKS. Registered November 29, 1921. MELBA MANUFACTURING COMPANY, Chicago, Ill. Renewed November 29, 1941, to Vadsco Sales Corporation, Long Island City, N. Y., a corporation of Delaware, assignee by mesne assignments.

149,730. **O-RUM-O.** FOOD-FLAVORING EXTRACTS. Registered December 20, 1921. THE C. F. SAUER COMPANY, Richmond, Va., a corporation of Virginia. Renewed December 20, 1941.

149,828. **THOMPSON.** CERTAIN NAMED RIFLES, PISTOLS, GUNS, MAGAZINES FOR SAME, AND BAYONETS. Registered December 27, 1921. AUTO-ORDNANCE CORPORATION, New York, N. Y. Renewed December 27, 1941, to Auto-Ordnance Corporation, Bridgeport, Conn., a corporation of New York.

149,919. **FIBERLOID.** HAND-MIRRORS. Registered December 27, 1921. THE FIBERLOID CORPORATION, Indian Orchard, Mass. Renewed December 27, 1941, to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware, assignee.

149,974. **KOLYNOS.** SOAP. Registered December 27, 1921. THE KOLYNOS COMPANY, New Haven, Conn., a corporation of Connecticut. Renewed December 27, 1941.

149,976. **ALZO.** A PREPARATION FOR THE REMOVAL OF CORNS. Registered December 27, 1921. ALFRED M. KRONBERGER, Boston, Mass. Renewed December 27, 1941.

150,093. **"MINGTOY".** SILKS IN THE PIECE. Registered December 27, 1921. I. SACKS & SONS. Renewed December 27, 1941, to Mingtoy Silk Mills Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

150,114. **VIMASAN.** VITAMIN PREPARATIONS, NERVE-TONICS, MALT EXTRACTS, AND DIETETIC PATENT FOODS FOR MEDICINAL USES. Registered December 27, 1921. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland, a limited liability company of Switzerland. Renewed December 27, 1941.

150,115. **VIMARO.** VITAMIN PREPARATIONS, NERVE-TONICS, MALT EXTRACTS, AND DIETETIC PATENT FOODS FOR MEDICINAL USES. Registered December 27, 1921. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland, a limited liability company of Switzerland. Renewed December 27, 1941.

150,116. **CIBANIT.** COAL-TAR COLORS. Registered December 27, 1921. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland, a limited liability company of Switzerland. Renewed December 27, 1941.

150,166. **BETSY ROSS.** WHEAT-FLOUR. Registered December 27, 1921. WELLS FLOUR MILLING COMPANY, Wells, Minn. Renewed December 27, 1941, to International Milling Company, Minneapolis, Minn., a corporation of Delaware, assignee.

150,305. **SOLID SUDS.** SOAP PELLETS. Registered January 3, 1922. COLGATE & Co., Jersey City, N. J., and New York, N. Y. Renewed January 3, 1942, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware, assignee.

150,368. **TOMBOY TAYLOR.** SERIES OF CARTOONS. Registered January 3, 1922. FONTAINE FOX, New York, N. Y. Renewed January 3, 1942, to Fontaine Fox, Greenwich, Conn.

150,369. **THE TERRIBLE-TEMPERED MR. BANG.** SERIES OF CARTOONS. Registered January 3, 1922. FONTAINE FOX, New York, N. Y. Renewed January 3, 1942, to Fontaine Fox, Greenwich, Conn.

150,370. **AUNT EPPIE HOGG.** SERIES OF CARTOONS. Registered January 3, 1922. FONTAINE FOX, New York, N. Y. Renewed January 3, 1942, to Fontaine Fox, Greenwich, Conn.

150,371. **THE POWERFUL KATRINKA.** SERIES OF CARTOONS. Registered January 3, 1922. FONTAINE FOX, New York, N. Y. Renewed January 3, 1942, to Fontaine Fox, Greenwich, Conn.

150,376. **GLADIATOR.** ANIMAL TRAPS. Registered January 3, 1922. WALTER A. GIBBS, Chester, Pa. Renewed January 3, 1942, to Animal Trap Company of America, Lititz, Pa., a corporation of Pennsylvania, assignee by mesne assignments.

150,560. **BLACK BROOK.** BROAD SILKS IN THE PIECE. Registered January 3, 1922. SCHWARZENBACH, HUBER & COMPANY, West Hoboken, N. J., and New York, N. Y. Renewed January 3, 1942, to The Schwarzenbach Huber Co., New York, N. Y., a corporation of New Jersey.

150,570. **WEARMOOR.** MEN'S AND BOYS' CLOTHING. Registered January 3, 1922. FRANKLIN SIMON & CO. INC. Renewed January 3, 1942, to Franklin Simon & Co., Inc., New York, N. Y., a corporation of New York, assignee.

150,622. **RADIAN.** SALVE FOR CERTAIN NAMED AILMENTS. Registered January 3, 1922. RUDOLPH THEINER, Chicago, Ill. Renewed January 3, 1942.

150,723. **TRIUMPH.** CERTAIN CRUSHERS AND DRIERS, PAINT MILLS, PAINT MIXERS, AND CORN SHELLERS. Registered January 10, 1922. THE C. O. BARTLETT & SNOW COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed January 10, 1942.

150,821. **THE TOONERVILLE TROLLEY.** SERIES OF CARTOONS. Registered January 10, 1922. FONTAINE FOX, New York, N. Y. Renewed January 10, 1942, to Fontaine Fox, Greenwich, Conn.

150,919. **IDORA.** CIGARS. Registered January 10, 1922. THE J. C. NEWMAN CIGAR COMPANY. Renewed January 10, 1942, to M. & N. Cigar Manufacturers, Inc., Cleveland, Ohio, a corporation of Ohio, assignee.

151,064. **DIXIE KRAFT.** KRAFT AND MANILLA WRAPPING, BLOTTING, BOND PAPER FOR LETTER CORRESPONDENCE, WRITING, AND TISSUE PAPER. Registered January 24, 1922. THE ALBEMARLE PAPER MANUFACTURING COMPANY, Richmond, Va., a corporation of Virginia. Renewed January 24, 1942.

151,125. **MENLO.** NONALCOHOLIC, MALTLESS BEVERAGE, SOLD AS A SOFT DRINK, AND COMPOUND FOR FLAVORING THE SAME. Registered January 24, 1922. ENG-SKELL COMPANY, INC., San Francisco, Calif., a corporation of California. Renewed January 24, 1942.

151,130. **FOUKE.** FURS, SKINS, HIDES, AND PELTS. Registered January 24, 1922. FOUKE FUR COMPANY, St. Louis, Mo., a corporation of Delaware. Renewed January 24, 1942.

151,144. **BLUE STAR.** GUMMED PAPER. Registered January 24, 1922. IDEAL COATED PAPER COMPANY. Renewed January 24, 1942, to McLaurin-Jones Co., Brookfield, Mass., a corporation of Massachusetts, assignee.

151,161. **HARDEMAN.** HATS AND CAPS FOR MEN. Registered January 24, 1922. J. T. HARDEMAN HAT Co., Seattle, Wash., a corporation of Washington. Renewed January 24, 1942.

151,166. **MH.** SOLE AND HARNESS LEATHER. Registered January 24, 1922. MAGNUS HESSBERG, INC., Richmond, Va., a corporation of Virginia. Renewed January 24, 1942.

151,247. **DIXIE GEM.** COAL. Registered January 24, 1922. SOUTHERN COAL & COKE COMPANY, INC., Knoxville, Tenn., a corporation of Kentucky. Renewed January 24, 1942.

151,266. **STUCCO TEX.** A PAINT COATING FOR EXTERIOR SURFACES. Registered January 24, 1922. TRUSCON STEEL COMPANY. Renewed January 24, 1942, to Truscon Laboratories, Inc., Detroit, Mich., a corporation of Michigan, assignee.

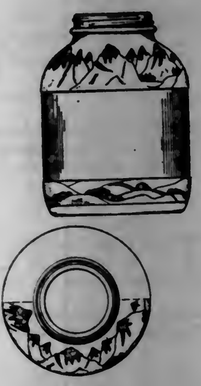
151,276. **NIETOS.** CIGARS. Registered January 24, 1922. VICENTE NIETO & BROS., Tampa, Fla., and San Francisco, Calif. Renewed January 24, 1942, to Vicente Nieto & Bros., Tampa, Fla., a firm.

151,319. **CALCOT.** TWINES OF ALL KINDS IN COTTON, HEMP, FLAX, AND JUTE. Registered January 31, 1922. CALIFORNIA COTTON MILLS COMPANY, Oakland, Calif., a corporation of California. Renewed January 31, 1942.

REISSUES

SEPTEMBER 16, 1941

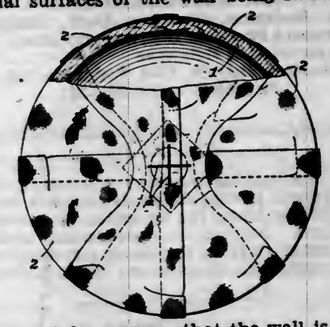
21,900
DESIGN FOR A JAR
Harold M. Gehm, Alton, Ill., assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Original No. 126,977, dated May 6, 1941, Serial No. 99,815, March 24, 1941. Application for reissue July 24, 1941, Serial No. 102,456. Term of patent 14 years



The ornamental design for a jar, substantially as shown and described.

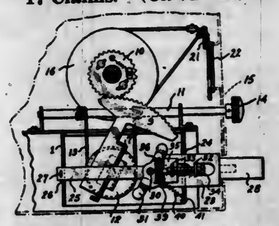
21,901
INFLATED BALL
Milton B. Reach, Springfield, Mass.
Original No. 2,211,669, dated August 13, 1940, Serial No. 72,397, April 2, 1936. Renewed July 15, 1940. Application for reissue January 22, 1941, Serial No. 375,521
17 Claims. (Cl. 154—16)

17. A method of making a hollow inflatable playing ball which comprises forming a wall by laying sections of fabric material upon an inner support with the marginal edges of the fabric material in overlapping relation with each other so that thickened seams are formed, applying a rubber coating over the entire outer surface of the fabric, and curing the wall in a mold with heat applied externally and pressure applied internally of the wall, so that the rubber coating will flow and the thickened seams will be embedded in the rubber coating, the internal and external surfaces of the wall being smooth and



free of protuberances so that the wall is of uniform thickness throughout.

21,902
PUSH BUTTON TUNING DEVICE
Howard J. Tyzzer, Montclair, N. J., assignor to The Crosley Corporation, Cincinnati, Ohio, a corporation of Ohio
Original No. 2,222,789, dated November 26, 1940, Serial No. 192,258, February 24, 1938. Application for reissue May 7, 1941, Serial No. 392,397
17 Claims. (Cl. 74—10)

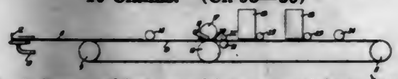


1. In an automatic tuning device, in combination with mechanism to be tuned, a positionable member connected to said mechanism for rotating the same, and mounted for rotation about an axis, a plunger member movable longitudinally in a direction transverse to said axis, a positioning member pivoted on said plunger for contacting and moving said positionable member, and means for locking said positioning member in a selected angular relationship on said plunger, said locking means comprising frictional means having attachment to said plunger member and bearing against said positioning member, and a set screw on said plunger bearing against said frictional means.

PATENTS

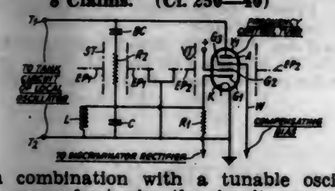
GRANTED SEPTEMBER 16, 1941

2,255,745
BOX MAKING MACHINE
Nels A. Anderson, Stockton, Calif., assignor to Fibreboard Products Inc., San Francisco, Calif., a corporation of Delaware
Application July 29, 1940, Serial No. 348,228
10 Claims. (Cl. 93—36)



1. A box making machine comprising means for moving a blank, means frictionally engageable with the blank for retarding its movement, and blank positioning mechanism including means separate from the blank retarding means for changing the direction of blank movement.

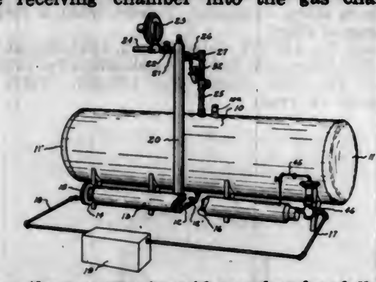
2,255,746
AUTOMATIC FREQUENCY CONTROL
Joseph Douglas Brailsford, London, England, assignor to Radio Corporation of America, a corporation of Delaware
Application September 2, 1938, Serial No. 228,137
In Great Britain October 5, 1937
8 Claims. (Cl. 250—40)



1. In combination with a tunable oscillator circuit, means for tuning the circuit over a range of frequencies, an electron discharge tube having its plate to cathode impedance connected across the oscillator circuit to provide a supplemental tuning element, means for varying the gain of the tube to vary the magnitude of the said impedance, and auxiliary means, responsive to adjustment of said tuning means over said range, for varying the gain of said tube supplementally of the first means with voltage derived from said oscillator circuit, said tube including at least two control grids between its plate and cathode, said first means varying the voltage of one grid, and said auxiliary means varying the voltage of the second grid.

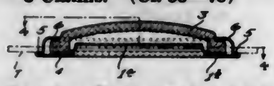
2,255,747
MEANS FOR VAPORIZING HYDROCARBON LIQUIDS
Sam P. Jones, Dallas, Tex.
Application December 24, 1937, Serial No. 181,681
5 Claims. (Cl. 62—1)

1. A vaporizing apparatus for hydrocarbon liquids including, a reservoir for storing liquid and having a space above the liquid level forming a gas chamber for storing gas vaporized from the stored body of liquid, a vaporizing chamber connected with the reservoir so as to permit liquid from said reservoir to flow to the vaporizing chamber, a receiving chamber communicating with both the gas chamber and vaporizing chamber, means for controlling the supply of gas from the gas chamber of the reservoir to the receiving chamber by the pressure differential in said chambers, and means for conducting gas from the receiving chamber into the gas chamber



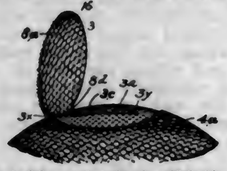
when the pressure in said gas chamber falls to a predetermined point, said last named means being unaffected by the pressure in the receiving chamber.

2,255,748
REFLECTOR DEVICE
John C. Haggart, Jr., Westfield, N. J., assignor to Signal Service Corporation, a corporation of Delaware
Application January 5, 1940, Serial No. 312,486
3 Claims. (Cl. 88—78)



1. A combined reflector and holder therefor comprising a central triple reflector of generally disc shape and having an axial peripheral flange with a peripheral shoulder on its front face, and a sheet metal holder bearing against the rear face of the flange having a central raised portion fitting within the flange and having a peripheral forwardly extending flange spaced radially from the reflector flange with its forward edge bent inwardly and bearing resiliently on said shoulder.

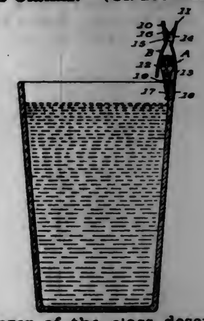
2,255,749
ATHLETIC GAME BALL
Milton B. Reach, Springfield, Mass.
Application June 5, 1939, Serial No. 277,542
14 Claims. (Cl. 273—65)



1. An inflatable spherical athletic game ball, of the type having a form shaped carcass, consisting of laminations of textile windings lying in substantially great circles in a cemented relationship to an underlying prefabricated textile member, said carcass having permanent means closing an opening in its wall, and substantially restoring the carcass to its required shape, strength, and trueness, non-stretchable textile

binding means cemented to the textile windings adjacent the closure means to hold them together, a sub-surfacing member to smooth out irregularities in the windings and homogeneously or cohesively united to the laminated textile windings, and a cover of leather or other suitable finishing panels cemented to the subsurfacing member in a bonded relationship.

2,255,750
LEMON SQUEEZER
Leo H. Whorton, Donna, Tex.
Application April 3, 1940, Serial No. 327,725
3 Claims. (Cl. 100—41)



1. A squeezer of the class described comprising a pair of plates, a pintle for pivoting said plates together intermediate their ends, the portion above the pintle forming manual manipulating means, the part below the pintle providing jaws to hold a slice of lemon between them, a spring mounted between the plates and about the pintle to press against the inner sides of the upper ends of the plates whereby said jaws are pressed toward each other and a plurality of arms extending from the free end of one of the plates substantially within the plane of the plate and adapted to engage the outside wall of a drinking glass and a cooperating clamping arm projecting from said plate and adapted to engage the corresponding inside portion of the wall of the drinking glass whereby the squeezer may be seated upon the rim of the glass and held in vertical position with the lemon clamped therein.

2,255,751
BODY CONDITIONING APPARATUS SUIT
Paul A. Bancel, Upper Montclair, N. J., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application December 16, 1939, Serial No. 309,636
6 Claims. (Cl. 128—144)

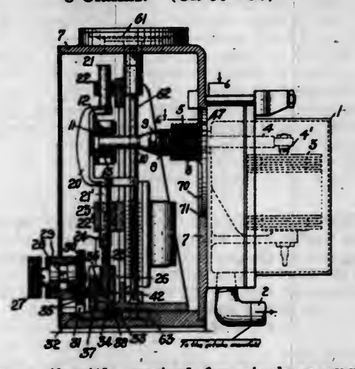


1. In a ventilating suit for a human body comprising at least one layer of flexible material impervious to air forming an enclosure about the body, seals on the legs, arms and neck of the suit, a belt on the suit, a coupling on the belt adapted for connection to a source of air under pressure, a conduit connected to the coupling and extending around said belt, channels formed inside the suit extending down the pants legs of the suit, connections between the conduit and the channels, ports in the channels to discharge air from the channels to the enclosure, and ports in the sleeves to discharge air from the enclosure to the atmosphere.

2,255,752
PROCESS FOR PRODUCING TETRACHLORETHYLENE
Georg Basel and Erich Schaeffer, Burghausen, Upper Bavaria, Germany, assignors to Dr. Alexander Wacker Gesellschaft für Elektrochemische Industrie G. m. b. H., Munich, Bavaria, Germany, a corporation
No Drawing. Application February 19, 1938, Serial No. 191,575. In Germany June 19, 1937
9 Claims. (Cl. 260—654)

1. Process for producing tetrachlorethylene which comprises passing a mixture of acetylene and chlorine over contact surfaces at a temperature of 300–400° C. in the presence of a gas which is inert to the reaction and in the absence of water.

2,255,753
AUTOMATIC THROTTLE CONTROL FOR MULTIENGINED AIRCRAFT
Mortimer F. Bates, Brooklyn, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application November 17, 1939, Serial No. 304,949
8 Claims. (Cl. 60—97)

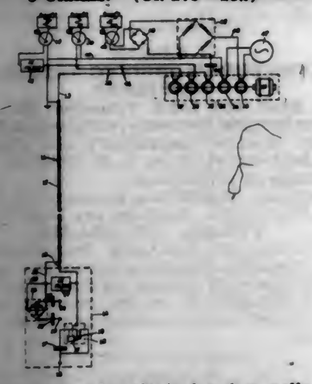


1. In a throttle control for airplane engines, means responsive to the absolute intake manifold pressure, an adjustable controller actuated therefrom, independent throttling positioning means remotely controlled by said controller to maintain a normally constant manifold pressure and manual setting means for altering the adjustment of said controller to vary the manifold pressure.

8. In a throttle control for multi-engined aircraft, means responsive to the absolute intake manifold pressure of each engine, a source of electric power, individual throttle positioning means controlled respectively by said pressure means, each including adjustable pressure responsive contact means and a reversible motor operated from said source under the control of said contact means, and manually operated ad-

justing means for said contact means for simultaneously varying the manifold pressure of all engines in a similar manner.

2,255,754
MULTIPLE RECORD ELECTROLOGGING OF WELLS
Lowell C. Beers, Los Angeles, Calif., assignor to Lane-Wells Company, Los Angeles, Calif., a corporation of Delaware
Application March 8, 1939, Serial No. 260,593
3 Claims. (Cl. 175—182)



2. An apparatus for electrologging wells, comprising: a pair of electrodes adapted to be suspended in a well-bore in electrical association with formation traversed by said well-bore; an input circuit for establishing periodically an artificial electrical field through formation between said electrodes; means for measuring said artificial electrical field when said circuit is in operation; and means for measuring the natural electrical potential present in the formation when said circuit in inoperative and a relay switching mechanism in close proximity to said electrodes, for connecting said electrodes with said first means when said circuit is in operation, and for connecting said electrodes with said second means when said circuit is inoperative.

2,255,755
PRODUCTION OF COMPOSITE YARNS
Angus Smith Bell, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware
Application August 22, 1940, Serial No. 353,606
In Great Britain October 3, 1939
4 Claims. (Cl. 57—2)



1. Apparatus for the production of a composite yarn, comprising a twisting device, means to feed a plurality of component yarns towards the twisting device, a balloon guide for the twisting device, cutting means so disposed between the yarn-feeding means and the balloon guide as to engage a component yarn passing therebetween and sever filaments in the yarn, and a supporting member for the cutting means said member constituting a guide to direct another component yarn out of contact with the cutting device.

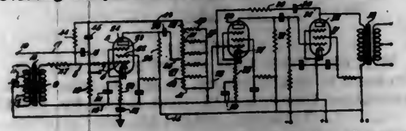
2,255,756
FOLDING STEPLADDER
John M. Biegen, Great Neck, N. Y.
Application April 13, 1940, Serial No. 329,406
1 Claim. (Cl. 228—21)



A folding step-ladder comprising a primary ladder, an auxiliary ladder positioned to move parallel to the primary ladder, means slidably connecting said primary and auxiliary ladders together, a brace for the primary ladder including a pair of inclined brace bars connected to the top and extending from the top portion of the primary ladder to the support upon which the step-ladder is mounted, a pivotally mounted transverse bar connecting the lower ends of the brace bars, a platform secured to the upper end of the auxiliary ladder, a section hinged to each side of the platform, means for retaining one of the sections in the same horizontal plane of the platform, a telescoping brace connected to the free edge of the other section and extending downwardly and resting on the support of the step-ladder, means for removably connecting the lower end of the telescoping brace with the pivoted brace bar, a U-shaped member having the free ends of its legs pivotally connected to the primary ladder, said auxiliary ladder having spaced notches to receive the bight of the U-shaped member for retaining the auxiliary ladder in position on the primary ladder when the auxiliary ladder has been extended or retracted on the primary ladder, the legs of the U-shaped member being located in parallel relation with the inclined brace bar, and means connecting the inclined brace bar with the primary ladder.

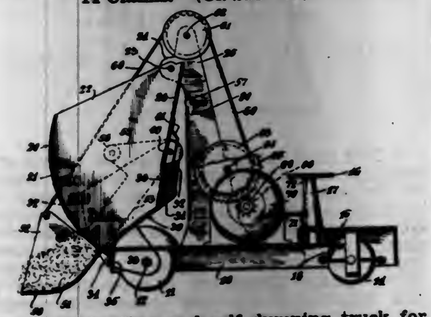
2,255,757
AUDIO FREQUENCY AMPLIFIER
Rudolph A. Bierwirth, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 29, 1939, Serial No. 287,306
5 Claims. (Cl. 179—171)

4. In an inverse feedback multi-stage audio frequency amplifier, the combination of a first stage amplifier tube having a signal input circuit and a signal output circuit, a second stage amplifier tube having a signal input circuit and a variable attenuator network connected between said output circuit and each of said input circuits providing conjoint control of inverse feedback to



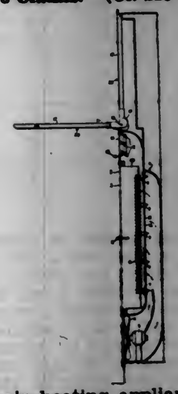
said first named input circuit and signal amplitude applied to said second named input circuit in opposite sense, one with respect to the other.

2,255,758
TRANSPORT TRUCK
Benjamin G. Call, Tacoma, Wash., assignor to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
Application February 15, 1940, Serial No. 318,991
14 Claims. (Cl. 214—78)



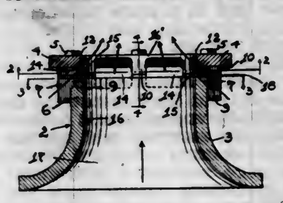
1. A self-loading and self-dumping truck for transporting material comprising a hopper formed in sections adapted to be separated for dumping said material, a shovel, means mounting said shovel for movement from a material pick-up position to a position to feed said material into said hopper, and means actuated in response to a predetermined additional upward movement of said shovel for separating said hopper sections.

2,255,759
ELECTRIC HEATING APPLIANCE
Howard H. Carpenter, South Pasadena, Calif.
Application April 24, 1940, Serial No. 331,370
3 Claims. (Cl. 219—39)



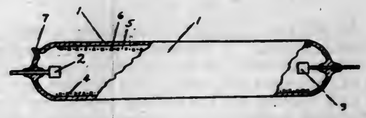
1. In an air heating appliance, an elongated substantially rectangular casing, said casing including a back and sides, a plane grill member for the front of the casing, partition members in said casing, said partition members being planar throughout the major portion of their area and converging towards the center of the casing, said partition members having their front edge portions secured to the casing and having their rear end edge portions directed toward each other and spaced apart to form a slot, said partition members and said grill forming a chamber, a heating element disposed in said chamber in advance of said slot and in the rear of said grill, insulating members on said heating element, said insulating members being slotted to receive the inner edges of the partition members, a fan in the lower portion of said casing and adapted to draw air into the casing, means to direct a column of air from the fan through the partition members so that it impinges on the heating element, and damper means movable to close the apertures in said grill.

2,255,760
EXHAUST AND SUCTION NOZZLE
Fred H. Carroll, Jacksonville, Fla.
Application July 11, 1940, Serial No. 344,944
5 Claims. (Cl. 230—100)



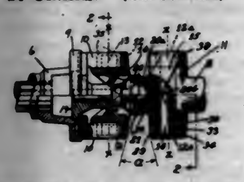
4. An exhaust and suction nozzle comprising a body having an axial passage, a plurality of narrow, outwardly extended lugs circumferentially arranged on said body in radial relation with respect thereto, a ring-shaped top, a plurality of narrow lugs downwardly extended from said top opposite the lugs of said body for co-operation therewith, and parallel beveled wall portions on said body and top arranged between their lugs, said lugs and beveled wall portions forming inclined suction passages extending into said axial passage without restricting same.

2,255,761
LUMINESCENT COATING FOR ELECTRIC LAMPS
Ezio Thomas Casellini, Salem, Mass., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application April 29, 1939, Serial No. 270,792
4 Claims. (Cl. 176—122)



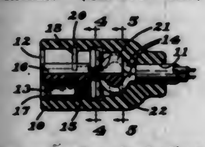
4. The combination of claim 3, in which the luminescent particles are held in a porous structure over the luminescent particles and substantially consisting of a non-luminescent material of the following group: aluminum oxide, magnesium oxide.

2,255,762
CONSTANT VELOCITY UNIVERSAL JOINT
Adiel Y. Dodge, Rockford, Ill.
Application October 31, 1938, Serial No. 237,863
10 Claims. (Cl. 64—21)



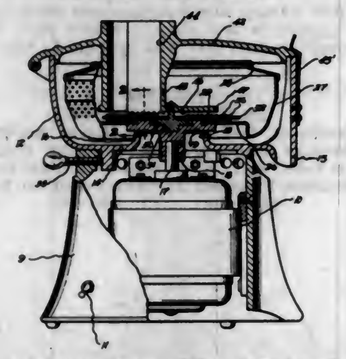
1. In a universal joint structure, the combination of a pair of yoke assemblies, one comprising a terminal yoke member pivotally connected on a transverse axis with an intermediate ring-shaped yoke member, and the other yoke assembly comprising a companion intermediate ring-shaped yoke member pivotally connected to the first-named ring-shaped yoke member on a transverse axis at right angles to and spaced forwardly from the aforesaid transverse axis, and a second terminal yoke member on the opposite side of said second ring-shaped yoke member from the first ring-shaped yoke member and adapted to be pivotally connected therewith on a transverse axis in a plane parallel to the first-named transverse axis and spaced from the second-named axis on the opposite side from the first axis, said second-named ring-shaped yoke member having diametrically opposed coaxial trunnions on said third transverse axis, bearing blocks pivotally engaging said trunnions, means for detachably securing said bearing blocks to the second terminal yoke, and centering means for said yoke assemblies comprising a socket member projecting axially from the first terminal yoke toward the second terminal yoke, and a ball-headed member projecting axially from the second terminal yoke toward the first terminal yoke and having the ball head thereof fitting in the socket of the socket member, the ball-head member having an attaching portion abutting the second terminal yoke and detachably secured in place thereon by the bearing blocks.

2,255,763
ELECTRIC CONNECTOR
Ferman C. Doughman, Stamford, Conn., assignor to Electrolux Corporation, New York, N. Y., a corporation of Delaware
Application December 8, 1939, Serial No. 308,104
5 Claims. (Cl. 173—332)



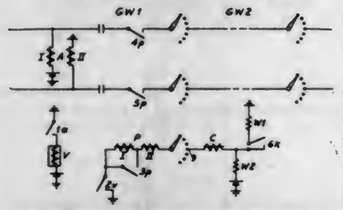
3. An electric connector including a soft rubber shell, a pair of terminal contacts open at one end, a covering of non-metallic material for each of said contacts extending beyond the open ends and having an outwardly extending shoulder, binding screws in engagement with said terminals, electric conductors connected to said terminals by said binding screws, a spacer located between said terminals having recesses to receive the shoulders of the coverings of said terminals, and strain relief means for said conductors connected to said spacer for holding said conductors in engagement with said shell, said shell having recesses to receive the shoulders of said terminals, whereby said terminals and said spacer are locked in position in said shell.

2,255,764
MACERATOR AND JUICE EXTRACTOR
Richard E. Drachenberg, Grosse Pointe, Mich.
Application November 13, 1939, Serial No. 304,201
7 Claims. (Cl. 146—3)



1. In a juice extractor of the class described, a rotatable receptacle having perforations formed in the side wall thereof; a base on said receptacle; a means for rotating said receptacle; connecting means attached to said base for connecting the same to said rotating means; a housing for enclosing said receptacle for reception of juices issuing therefrom; a cover member on said housing; a rotatable macerating member carried by said cover; and interengaging means on said macerating member and said base coacting, when said cover is in covering position, to effect a rotation of said macerating member in unison with said base.

2,255,765
TELEPHONE SYSTEM
Hans Dreyer, Falkensee, near Berlin, and Siegfried Kraatz, Berlin-Waldmannslust, Germany, assignors to Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten m. b. H., Berlin, Germany
Application March 1, 1939, Serial No. 259,276
In Germany March 11, 1938
7 Claims. (Cl. 179—18)

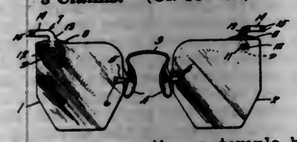


1. In a switching system, a selective switch having a normal position and an off-normal position, means for seizing said switch and moving it to its off-normal position, a test terminal for the switch, a source of potential always connected to said terminal, and means operated when the switch is moved off normal to reduce the effective potential connected to said terminal and maintain such reduced potential thereon until the switch again reaches its normal position.

2,255,766
TREATMENT OF ARTIFICIAL TEXTILE MATERIALS
Henry Dreyfus, London, England
No Drawing. Application September 29, 1938, Serial No. 232,353. In Great Britain October 26, 1937
5 Claims. (Cl. 8—129)

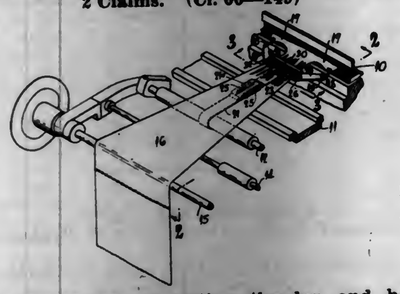
1. In processes wherein artificial filaments, yarns and similar materials having a basis of an organic derivative of cellulose have their ability to absorb moisture reduced by stretching in the presence of hot water, steam or organic solvents or swelling agents, the step of restoring the ability to absorb moisture which comprises incorporating a plasticizer in the materials after they have been subjected to the stretching operation but before they are subjected to a fabric-forming operation.

2,255,767
SPECTACLE MOUNTING
James W. Engler, Atlanta, Ga.
Application April 5, 1940, Serial No. 328,128
3 Claims. (Cl. 88—53)



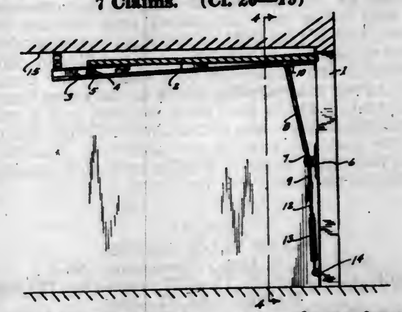
1. A device for mounting a temple bar on a spectacle lens, comprising a relatively short adjustable upwardly extending arm secured in end-abutting relationship to the shoe of a lens strap, means for securing said strap on the upper edge of a lens adjacent the outer segment thereof whereby the upper portion of said arm will be spaced well above the upper edge of said lens, said arm having a horizontal portion extending laterally and outwardly from the upper portion thereof, said horizontal portion extending in a plane generally parallel to that of the upper edge of the lens, and a temple bar mounting carried by the free end of said horizontal portion spaced well above the upper edge of the lens.

2,255,768
FOOTER BAR FOR FULL FASHIONED HOSIERY MACHINES
Robert A. Folkman, Concord, N. C., assignor to Hugh Grey Hosiery Company, Concord, N. C., a corporation of North Carolina
Application October 5, 1940, Serial No. 359,826
2 Claims. (Cl. 66—149)



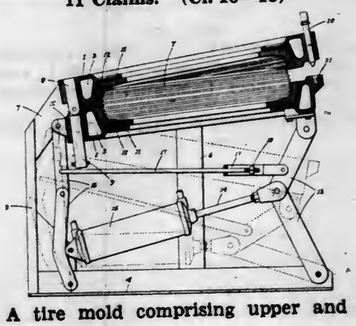
1. Means for supporting the leg and heel gussets of an incomplete full fashioned stocking while the foot is knitted comprising a footer bar having means on each end thereof for engaging the heel gussets, and a resilient member secured to the footer bar, said resilient member comprising a bar doubled upon itself and forming an open ended slot therebetween into which the leg of the stocking can be placed to be clampingly held while the foot portion of the stocking is knitted, and means for securing the lower leg of the resilient member to the footer bar.

2,255,769
OVERHEAD DOOR
Daniel Gallagher and Frank W. Riverman, Portland, Oreg.
Application November 6, 1939, Serial No. 303,069
7 Claims. (Cl. 20—19)



1. In an overhead door, a door frame for said door, a pair of tracks extending from adjacent the upper portion of said door frame, supporting means on the upper end of said door carried by said tracks, a lever pivotally mounted intermediate its ends on each side of said frame, one arm of said lever being pivotally attached to the lower portion of said door, the other arm of said lever being attached to a tension means, said two arms of said lever being disposed at an angle of substantially less than 180°, the angle between said arms being such that when said door is open the door carrying arm of said lever will be disposed in an over center position beyond the vertical, and when said door is closed said tensioned arm will be disposed in an over center position beyond the vertical, whereby said door will tend to remain in either fully opened or fully closed position, and will be substantially counterbalanced in intermediate positions.

2,255,770
RETREADING MOLD
Edwin A. Glynn, Lodi, Calif., assignor to Super Mold Corporation of California, Lodi, Calif.
Application March 11, 1940, Serial No. 323,328
11 Claims. (Cl. 18—18)



7. A tire mold comprising upper and lower

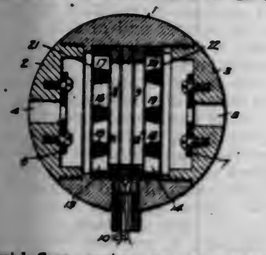
mating mold sections, a base below the sections, means rigidly supporting the upper section from the base, a hinge connection between the sections on one side and including a depending member slidable in the lower section, a toggle link unit connecting the base and the lower section adjacent said member and disposed in an extended position when the sections are closed and adapted for limited collapsing movement in a direction away from the opposite side of the sections, another toggle link unit connecting the base and the lower section at the side opposite the hinge means, said other unit being disposed in an extended position when the sections are closed and adapted for collapsing movement in the same direction as the first named unit, means connected to said other unit to extend and collapse the same, and a pull unit connecting corresponding links of the toggle link units; said pull unit comprising a rod connected to a link of one toggle unit, a yoke connected to a link of the other toggle unit and in which the rod is slidable, and a yoke engaging stop on the rod to limit relative sliding of the rod and yoke in an extending direction, said pull unit being in a fully extended position when the mold sections are closed.

2,255,771

FLUID FLOW METER

Marcel J. E. Golay, Oceanport, N. J.

Application January 27, 1937, Serial No. 122,665
7 Claims. (Cl. 73—189)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



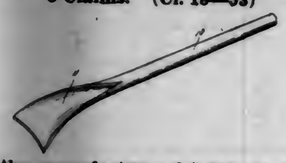
1. In a fluid-flow meter, an electrical circuit and means in said circuit comprising thermally responsive resistance elements disposed at different points and successively across the path of flow of the fluid, said elements being arranged in planes perpendicular to the direction of said flow and adapted to vary in electrical resistance with temperature and differentially and substantially linearly in accordance with the rate of flow; and means operative with the circuit to evaluate said response in terms of velocity of said flow.

2,255,772

MANUFACTURE OF RUBBER GOODS

Ezra Lloyd Hanna, North Scituate, R. I., assignor to Davol Rubber Company, a corporation of Rhode Island

Application January 2, 1937, Serial No. 118,829
3 Claims. (Cl. 18—53)



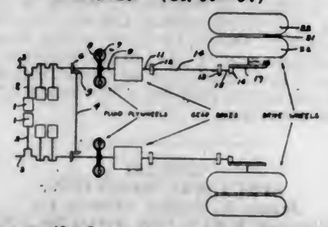
1. In the manufacture of tubular rubber articles having a glassy smooth inner surface finish, the steps of coating the inner surface with zinc stearate, closing at least one end of the tube to prevent air circulation, and curing the rubber to absorb the zinc stearate.

2,255,773

VIBRATIONLESS POWER PLANT

Paul Heftler, Grosse Pointe Park, Mich.

Application August 24, 1937, Serial No. 160,655
4 Claims. (Cl. 60—97)



2. The method of securing vibrationless mechanical power from power sources each of which produces power in the form of a varying torque applied between a relatively stationary member and a rotating shaft which consists in providing two such sources of power arranged so that their shafts are parallel and rotate in opposite directions and have torques with similar variations, supporting the relatively stationary members of said sources and insulating them against the transmission of a torque reaction to or from anything except each other, synchronizing the two power sources and placing them in phase so that their torque variations are and remain in phase, evening out the momentary variations in torque transmitted by each of the two shafts and then transmitting the evened-out torques to driven members coaxial with the shafts, and transmitting the varying torque reaction on each relatively stationary member to the other relatively stationary member.

3. A power plant comprising an internal combustion engine having two main shafts, pistons arranged in pairs, one piston of each pair being connected to each main shaft, means for constraining the two main shafts to rotate in synchronism and in opposite directions and for constraining the two pistons of each pair to move in synchronism, a pair of driven shafts in alignment with the main shafts, means on each main shaft to convert varying torque from the main shaft into smooth torque and to apply it to the driven shaft in alignment with said main shaft, and a single combustion chamber and set of injection equipment for each pair of pistons to insure equal and simultaneous power impulses being delivered to the two main shafts and correspondingly equal and simultaneous opposite torque reaction impulses being delivered to the stationary portion of the engine where they neutralize each other and cause no vibration.

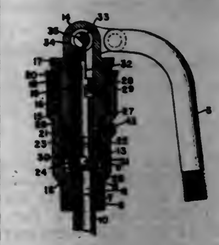
2,255,774

QUICK RELEASE VALVE

William E. Huffman and George W. Replogle, Dayton, Ohio

Application July 30, 1936, Serial No. 93,434
18 Claims. (Cl. 251—131)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A valve assembly comprising a body having a chamber, a seat in the chamber, closure means for the chamber movably secured to the body, a stem adapted for movement in the closure means, a valve proper on the stem adapted to coact with the seat, valve controlling means mounted on said closure means having a releasing and a non-releasing position associated with said stem, whereby the valve proper may engage the valve seat when said valve controlling means is in its non-releasing position and the closure means is



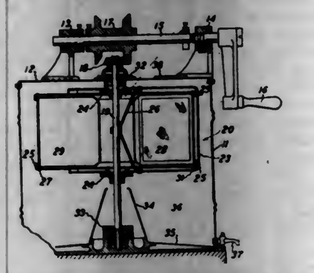
moved toward the seat and whereby the valve proper may disengage the seat when said valve controlling means is in its releasing position, a passage in the stem communicating with the chamber, and a discharge outlet associated with the closure means and communicating with said passage, whereby upon release of the stem the fluid controlled by the valve may escape through the passage to the discharge outlet.

2,255,775

CENTRIFUGAL HONEY EXTRACTOR

Clarence Arthur Hungerford, Kurrajong Heights, near Sydney, Australia

Application October 20, 1936, Serial No. 106,665
In Australia January 14, 1936
7 Claims. (Cl. 210—65)



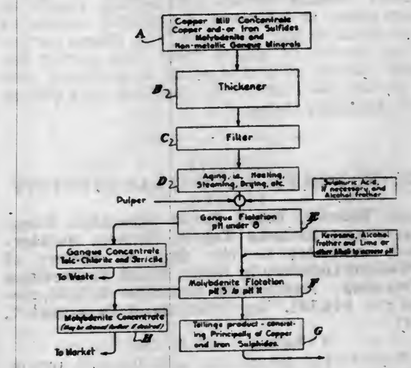
2. In a honey extractor comprising a rotor mounted to be turned on a substantially vertical axis, a series of holders for honeycombs pivotally mounted for generally horizontal movement on and relative to the rotor, the combination of means limiting the pivotal movement of the holders in two directions so that the holders can occupy two operating positions in which the principal planes of the holders extend non-radially of the rotor, but more nearly radially thereof than tangentially to the path of movement of the outer limits of the holders and more nearly radially than chordally to said path of movement, whereby the inertia force on the holders greatly predominates over centrifugal force and operates to constrain the holders when carrying honeycombs to movement from one operating position to the other both upon initiation of and cessation of rotation of the rotor.

2,255,776

PROCESS OF RECOVERING MOLYBDENITE BY FROTH FLOTATION

Thomas A. Janney, Garfield, Alpha G. Johnson, Magna, and Charles M. Nokes, Salt Lake City, Utah

Application January 9, 1939, Serial No. 250,014
13 Claims. (Cl. 209—166)



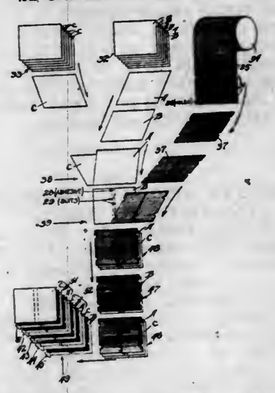
1. In the separation of molybdenite from a mineral aggregate including other sulphides such as iron and copper sulphides, and gangue materials, by froth flotation, the improvement which comprises: subjecting such a mineral aggregate to a heating treatment at a superatmospheric temperature in the presence of oxygen to effect an oxidation of such other sulphides, said treatment being ineffective to cause substantial oxidation of such molybdenite and effective to materially depress the floatability of such other sulphides with respect to that of such molybdenite, and then subjecting the so treated aggregate to froth flotation to recover the molybdenite therefrom.

2,255,777

MANIFOLD SET ASSEMBLING APPARATUS AND METHOD

Harry Sloper Jones, Chicago, Ill.

Application January 30, 1939, Serial No. 253,514
21 Claims. (Cl. 270—52)



1. In a machine for making manifold sets, means for holding a first pile of paper sheets, means for holding a second pile of paper sheets, means for feeding sheets from the first pile at

a constant rate and moving them successively to a first assembly station, means for feeding sheets from the second pile at a constant rate which is an exact submultiple of said first rate and moving them successively to said first assembly station, means for removing groups of sheets from said first assembly station at a rate equal to said first rate and moving them to a second assembly station, means for moving sheets of carbon paper to said second assembly station at a rate equal to said first rate, and means for removing groups of sheets from said second assembly station at a rate equal to said first rate and placing said groups successively in a pile at a final assembly station.

2,255,778

PROCESS FOR PRODUCING VAT DYESTUFF PRINTS

Eduard Kambli, Basel, Ernst Stoecklin, Binningen, and Richard Tobler, Riehen, Switzerland, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland

No Drawing. Application December 5, 1938, Serial No. 244,131. In Switzerland December 7, 1937

8 Claims. (Cl. 8—70)

1. Process for producing vat dyestuff prints, comprising printing textile products with printing pastes which contain quinhydrone-like derivatives of vat dyestuffs, said quinhydrone-like derivatives being built up of molecules of vat dyestuffs and their leuco compounds and being definite compounds representing an intermediate stage between vat dyestuffs and leuco compounds corresponding to that obtained by reacting equimolecular proportions of the dyestuffs and leuco compounds and differing from the vat dyestuffs as well as from the leuco compounds.

2,255,779

PILE FLOCKING

Raymond W. Kent, Newton Highlands, Mass.

No Drawing. Application July 13, 1938, Serial No. 218,971

34 Claims. (Cl. 91—70)

2. The process of making a pile surfaced material which includes the steps of providing a backing, applying a naturally liquid adhesive bonding agent having the viscous gummy non-drying and stable characteristics of heat-treated rubber and capable of being thermo-set into a pliable, non-rigid form, as a coating to the backing, embedding pile fibre ends in said bonding agent, and thereafter heat reacting said bonding agent into a pliable non-rigid resilient form, to anchor said fibres to said backing.

2,255,780

METHOD OF APPLYING PROTECTIVE COATINGS TO SHEETS

Henry L. Kohler, Kansas City, Mo., assignor to Andrew A. Kramer, Kansas City, Mo.

No Drawing. Application October 8, 1938, Serial No. 234,050

5 Claims. (Cl. 91—68.1)

3. The method of increasing the resistance to corrosion of a galvanized metallic sheet having a damaged area in the zinc coating thereof produced by fabrication operations performed on said sheet after galvanization thereof, comprising the spreading of a soft, creamy, putty-like amalgam of zinc and mercury containing from 80% to 90% mercury by weight over and adjacent the damaged area of said sheet.

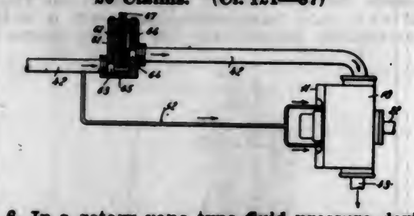
2,255,781

ROTARY FLUID PRESSURE DEVICE

Charles M. Kendrick, New York, N. Y., assignor to Manly Corporation, Washington, D. C., a corporation of Delaware

Application March 28, 1938, Serial No. 198,449

20 Claims. (Cl. 121—87)



6. In a rotary vane type fluid pressure device having a rotor including a plurality of vanes movable inwardly and outwardly thereof, a casing therefor including a track for guiding the vanes in their in and out movement and provided with two diametrically opposed working chambers, each having high and low pressure chambers on opposite circumferential sides thereof adjacent the rotor, the outer ends of said vanes being subject to the respective pressures within said chambers while passing therethrough, means for supplying to the inner ends of said vanes during substantially their entire passage through the high pressure and working chambers fluid under pressure greater than and correlated to the pressure of the fluid in said chambers, and means for equalizing the pressure on the opposite ends of said vanes while passing through the low pressure chamber.

7. The combination of a rotary vane type fluid pressure motor having a rotor including a plurality of vanes movable inwardly and outwardly thereof, a casing therefor including a track for guiding the vanes in their in and out movement and provided with a working chamber having inlet and outlet chambers on opposite circumferential sides thereof adjacent the rotor, the outer ends of said vanes being subject to the respective pressures within said chambers while passing therethrough, a source of fluid under pressure, means for connecting said source with the inner ends of the vanes during at least a portion of each revolution of the rotor, means including a pressure reducing valve for connecting said source with said inlet chamber, a by-pass valve for the reducing valve and speed-responsive means operated by the motor for opening the by-pass valve when the motor is operating above a predetermined speed.

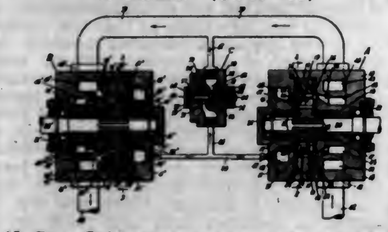
2,255,782

FLUID PRESSURE MEANS AND SYSTEM

Charles M. Kendrick, New York, N. Y., assignor to Manly Corporation, Washington, D. C., a corporation of Delaware

Application May 5, 1939, Serial No. 271,874

16 Claims. (Cl. 60—53)



13. In a fluid pressure means, the combination

of a multi-pressure pump supplying two separate fluid volumes of different but related pressures, a rotary vane fluid motor operated by said pump, means for supplying one of said volumes to the outer ends of the vanes of the motor and means for supplying the other of said volumes to the inner ends of the vanes of the motor and for maintaining the pressure thereof at an amount sufficient to move said motor vanes into operating positions.

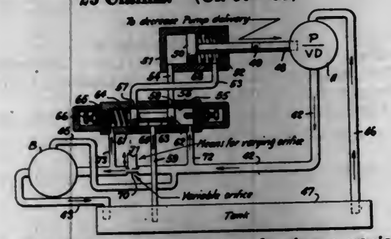
2,255,783

FLUID PRESSURE DEVICE AND SYSTEM

Charles M. Kendrick, New York, N. Y., assignor to Manly Corporation, Washington, D. C., a corporation of Delaware

Application February 17, 1940, Serial No. 319,399

25 Claims. (Cl. 60—53)



1. In a fluid pressure system having a variable delivery pump and a rotary vane type fluid motor in the fluid circuit thereof, said vane motor having a rotor provided with a plurality of vanes movable inward and outward thereof and also having a vane track adapted to contact one of the ends of said vanes to guide them in their in and out movement, in combination, a fluid supply line connecting said pump and said motor, a flow resistance means in said supply line, means responsive to the pressure drop across said flow resistance means for controlling the delivery of said pump, and means for connecting the opposite ends of said vanes in parallel with the inlet and outlet sides of said flow resistance means whereby the difference in pressures across said flow resistance means urges said vanes into contact with said vane track.

2. In a system of the character set forth, a fluid pressure supply line, a vane motor in said line, means for establishing differential pressure drop in said line including means adjustable at will to determine the speed of operation of said motor, means responsive to said pressure drop for maintaining the determined speed substantially constant and means supplying the higher of the two pressures of said differential pressure drop to the inner ends of the vanes of the motor.

2,255,784

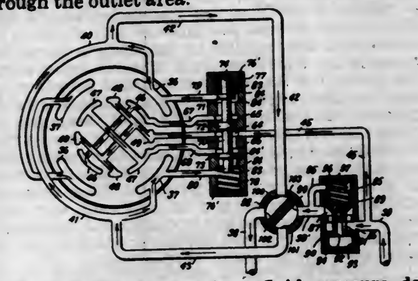
FLUID PRESSURE DEVICE

Charles M. Kendrick, New York, N. Y., assignor to Manly Corporation, Washington, D. C., a corporation of Delaware

Application May 24, 1940, Serial No. 336,956

23 Claims. (Cl. 121—87)

9. In a reversible rotary vane type fluid motor, a casing including a track for guiding the vanes in their inward and outward movement and provided with interchangeable fluid inlet and outlet areas, means for supplying two fluid pressures one a working and the other a higher pressure, means for connecting either of said areas with working fluid pressure to make it the inlet area and the other of said areas with the exhaust and means including an element movable responsive to difference in pressures existing in said areas for connecting the inner ends of the vanes with the higher pressure during the time that the outer ends of said vanes are passing through the inlet area, with the inner ends of the vanes connected with the exhaust during the time that the outer ends thereof are passing through the outlet area.



19. In a rotary vane type fluid pressure device, a rotor having a plurality of vanes movable inwardly and outwardly thereof, a track for guiding the vanes in their in and out movement and provided adjacent the rotor with a working chamber having an inlet area and an outlet area on the opposite circumferential sides thereof, one of said areas containing working pressure fluid, a port arranged to connect with the inner ends of said vanes during only the time that the outer ends thereof are passing through said chamber, means for continuously supplying to said port fluid having a pressure related to but different from that of said working pressure fluid and means for supplying to the inner ends of the vanes during the time that the outer ends thereof are passing through the inlet area fluid having a pressure greater than the pressure of the fluid in said inlet area.

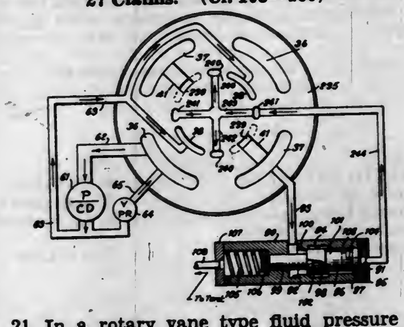
2,255,785

FLUID PRESSURE DEVICE

Charles M. Kendrick, New York, N. Y., assignor to Manly Corporation, Washington, D. C., a corporation of Delaware

Application September 6, 1940, Serial No. 355,546

27 Claims. (Cl. 103—136)



21. In a rotary vane type fluid pressure device, a rotor having a plurality of vanes rotatable in unison therewith and movable inwardly and outwardly thereof, a casing therefor including a vane track for guiding the vanes in their in and out movement, a fluid inlet area and a fluid outlet area circumferentially spaced from one another, the outer ends of said vanes being subject to the respective pressures in said areas while passing therethrough, means for utilizing

one fluid pressure at the inner end of each vane during substantially the entire portion of its rotary movement in unison with the rotor in which both faces on the outer end thereof are subject to the pressure of the fluid in the inlet area, means for utilizing another fluid pressure at the inner end of each vane during substantially the entire portion of its rotary movement in which both faces on the outer end thereof are subject to the pressure of the fluid in the outlet area and means for utilizing a third fluid pressure at the inner end of each vane during the portion of its rotary movement in which one face on the outer end thereof is subject to the pressure of the fluid in the inlet area and the other face thereof is subject to the pressure of the fluid in the outlet area, said last named fluid pressure being of a value intermediate the values of said first and second named fluid pressures utilized at the inner end of said vane and varying in an approximately proportional relation to the higher of the two pressures existing in said inlet and outlet areas respectively.

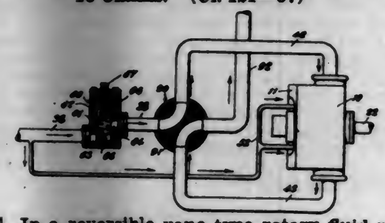
2,255,786

REVERSIBLE VANE TYPE FLUID MOTOR

Charles M. Kendrick, New York, N. Y., assignor to Manly Corporation, Washington, D. C., a corporation of Delaware

Application September 14, 1940, Serial No. 356,734

13 Claims. (Cl. 121—87)



11. In a reversible vane type rotary fluid motor, a rotor having a plurality of vanes movable inwardly and outwardly thereof, a vane track for guiding said vanes in their in and out movement, interchangeable inlet and outlet ports for the outer ends of said vanes, an inlet port for the inner ends of said vanes, a reversing valve having unimpeded fluid connections with the inlet and outlet ports for the outer ends of said vanes, a supply pipe leading to said reversing valve, a supply pipe leading to the inlet port for the inner ends of said vanes and means for maintaining a differential pressure relationship between the fluids in said supply pipes.

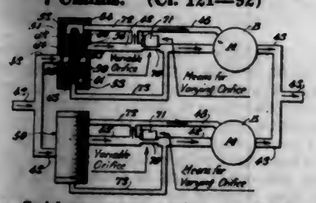
2,255,787

FLUID PRESSURE DEVICE AND SYSTEM

Charles M. Kendrick, New York, N. Y., assignor to Manly Corporation, Washington, D. C., a corporation of Delaware

Application March 6, 1941, Serial No. 381,956

7 Claims. (Cl. 121—92)



4. In a fluid pressure system, a fluid pressure supply line, an orifice in said line, a vane motor having a rotor provided with a plurality of vanes movable inwardly and outwardly thereof, said vane motor also having a vane track to guide said vanes in their in and out movement, means for supplying pressure fluid from the inlet side of said orifice to one of the ends of said vanes to urge them into contact with said vane track, means for simultaneously supplying pressure fluid from the outlet side of said orifice to the other ends of said vanes to cause rotation of said rotor and means responsive to the difference in pressures on the inlet and outlet sides of said orifice active to regulate the volume of fluid passing therethrough to hold substantially constant at a predetermined value the difference in pressures on the inlet and outlet sides of said orifice.

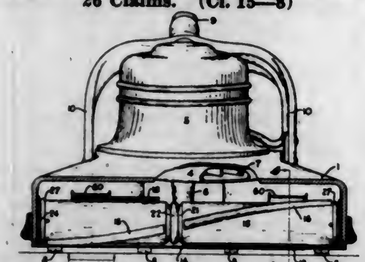
2,255,788

SUCTION CLEANER

Wilford G. Kilpatrick, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application April 23, 1938, Serial No. 203,725

26 Claims. (Cl. 15—8)



1. In a rotary agitator for a suction cleaner, an agitating element subject to decrease in size with wear, means mounting said element for radial adjustment relative to the axis of rotation, and means controlled by the rotation of said element to reposition and fix said element in a predetermined optimum position under predetermined conditions of operation.

2,255,789

SUCTION CLEANER

Harry B. White, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application December 17, 1938, Serial No. 246,315

9 Claims. (Cl. 15—6)



1. In a suction cleaner rotary agitator rotatable about an horizontal axis, a rotatable body, an agitating element mounted for radial movement on said body, spring means urging said element outwardly to its maximum radial extension, said element being adapted to move radially inward under a surface-exerted force exceeding the spring force, and means to lock said element in a radial position at which the spring force plus centrifugal force and surface-exerted force on said element are equal.

2,255,790

SUCTION CLEANER

Charles G. Troxler, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application December 29, 1938, Serial No. 248,286

15 Claims. (Cl. 15—8)



1. In a rotary agitator for a suction cleaner, a radially movable agitating element subject to wear in use, and means to adjust said element radially to compensate for such wear comprising means to release said element during a period of agitator acceleration to move radially outward under centrifugal force, and means to withdraw said element radially a predetermined distance upon the agitator reaching a constant speed of rotation.

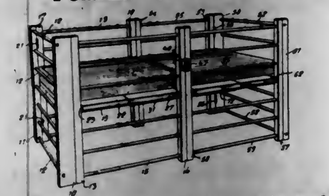
2,255,791

BABY CRIB

Max Klopfer, Woodside, and Max Rothschild, New York, N. Y.

Application May 12, 1939, Serial No. 273,158

4 Claims. (Cl. 5—93)



4. A baby crib having vertical posts and horizontal side bars between the posts, comprising six sections, these sections being formed in two symmetrical parts of three sections each, each symmetrical part having an end section and two side sections vertically hinged on opposite posts of the end section, means for locking the symmetrical parts together, flat cross-pieces supportable on any pair of horizontal bars disposed on opposite sides so that the cross-pieces can be placed in a plurality of different vertical positions to provide seats, tables, or a floor, said cross-pieces having altogether an area equal to that of the crib, ribs on the cross-pieces for engaging the horizontal bars, and notches on the cross pieces for engaging the posts on opposite sides of the crib, whereby the sides of the crib are held in exact spaced-apart relationship.

2,255,792

TORQUE-MEASURING WRENCH

Willard C. Kress, Kenmore, N. Y., assignor to J. H. Williams & Co., Buffalo, N. Y., a corporation of New York

Application September 30, 1939, Serial No. 297,225

3 Claims. (Cl. 265—1)



1. A torque indicating wrench comprising two parts, one being an operating handle capable of flexing under operating load and having driving means at one end for engaging and rotating a rotatable element, and the other part being a member extending in spaced substantially parallel relation to the handle, one end of said member being fixedly connected to the driving means and the other end of said member being free, and cooperating means on the free end of said member and on the handle for indicating the deflective torque on the handle when applying turning force through said handle to a rotatable element, said cooperating means comprising an index on one of the parts and a scale element pivotally mounted at one end on the other of said parts and movable between said parts, said scale element being adapted to be moved to either of two operative positions of the opposite sides of the handle to extend transversely to the parts and in inoperative position to extend longitudinally of the parts, and means for selectively holding the scale element in either of said positions.

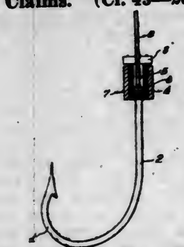
2,255,793

FISHHOOK

Philip W. Kridler, Detroit, Mich.

Application September 16, 1940, Serial No. 356,957

6 Claims. (Cl. 43—28)



1. A fish hook having a shank with a head on its end and a screwthreaded portion adjacent the head, said shank having means for the reception of a leader, and an internally threaded member on said screwthreaded portion adapted to engage a leader inserted in said means and to clamp portions thereof against the head to prevent removal of the leader from said means.

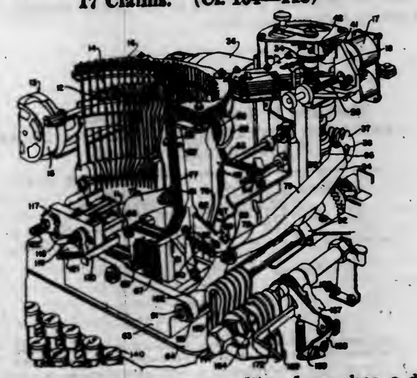
2,255,794

PRINTING PERFORATING TELEGRAPH APPARATUS

Ross A. Lake, Oak Park, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware

Application May 20, 1939, Serial No. 274,796

17 Claims. (Cl. 164—113)



1. In combination, a plurality of punches, a die

plate cooperating therewith having a corresponding plurality of holes, said die plate having a portion thereof so sheared off as to remove from each hole a similar segmental portion thereof whereby upon the co-operation of said punches and die plate hinged lids are formed in strip material, and a corresponding plurality of resilient-arm ejectors carried by said die plate to automatically level said lids substantially into the plane of the strip material.

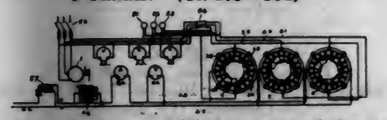
2,255,795

DEVICE FOR CONVERTING MULTIPHASE ALTERNATING CURRENT INTO DIRECT CURRENT

Harold N. Landon, Glendale, Calif.

Application February 20, 1939, Serial No. 257,415

9 Claims. (Cl. 175—364)



4. In a converter, a rotating commutator having twenty bars suitably spaced apart and insulated from each other, brushes conveying alternating current to said commutator, brushes taking direct current away from the commutator, the bars being spaced apart more than twice the thickness of the bars and being adapted to take from the alternating current brushes the intermediate part of each alternating current wave and feed it to the direct current brushes, cross-connections between the bars by which the current is conducted from one bar to another and from the alternating current brushes to the direct current brushes, condensers connected between the alternating current brushes and the direct current brushes.

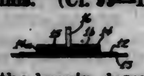
2,255,796

METHOD OF TENDERIZING AND SHAPING FRESH MEAT

Lawrence L. Linane and George Federighi, San Francisco, Calif.

Application February 19, 1940, Serial No. 319,588

8 Claims. (Cl. 99—107)



8. The step in the herein described method of preparing thin sliced meat into steaks which consists in weaving the thin slices under pressure to form a compacted steak.

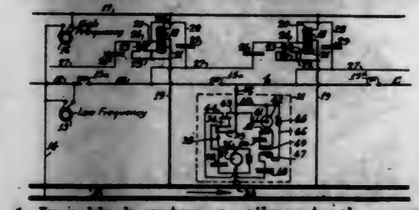
2,255,797

BLOCK SYSTEM

Matthew H. Loughridge, Bogota, N. J.

Application March 13, 1939, Serial No. 261,403

15 Claims. (Cl. 246—62)



1. In a block system, a railway track, a power conductor adjacent said track, reactances operatively associated with said conductor dividing said conductor into block sections, a source of alternating current supply, a transformer connected with said supply, a block control circuit energized by said transformer and connected to a section of said power conductor, a train control circuit having current with a characteristic difference from the current in said controlling circuit and controlled by said controlling circuit and connected to a block section of said power conductor adjacent the section energized by said block control circuit, the other side of said controlling circuit and said block control circuit being connected to the track, a vehicle on said track operated by said power conductor, a circuit on said vehicle co-operating with the section of said power conductor and completing the circuit between said conductor and the track and to which the controlling circuit is connected for suppressing said controlling circuit, and means on the vehicle responsive to the current in said train control circuit controlling the operation of said vehicle.

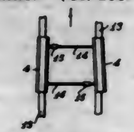
2,255,798

TRACK BRAKE ARRANGEMENT

Sam E. Mason, San Diego, Calif., assignor to Transit Research Corporation, a corporation of New York

Application October 10, 1939, Serial No. 298,840

7 Claims. (Cl. 188—165)



1. The combination of two magnetic brake shoes each having wear surfaces separated by a gap, and means maintaining the wear surfaces of said shoes out of parallel with respect to their direction of travel, the extent to which said shoes are out of parallel being so proportioned to the length of the wear surfaces and the width of the gaps that each end of each wear surface laterally overlaps the remote end of another wear surface separated therefrom by a gap.

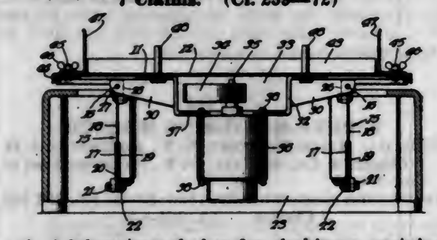
2,255,799

SHAKER

Gotthold H. Meinzer, Glendale, Calif.

Application August 5, 1939, Serial No. 288,548

7 Claims. (Cl. 259—72)



1. A laboratory shaker for shaking a container approximately at a certain required frequency and a certain required amplitude, comprising an oscillating system including a holder and supporting springs designed to have approximately the desired natural frequency of oscillation with the intended load, a motor forming a rigid part of the oscillating system and having the characteristics of controllable torque and a tendency to reach a speed in excess of said frequency;

and a weight mounted on the system for eccentric rotation, driven by said motor and having sufficient mass with respect to a low controlled torque of the motor and the mass of the oscillating system to retard the speed of the motor approximately to said frequency whereby controlling the torque of the motor will control the amplitude of the oscillations substantially without changing their frequency, and means for controlling said torque.

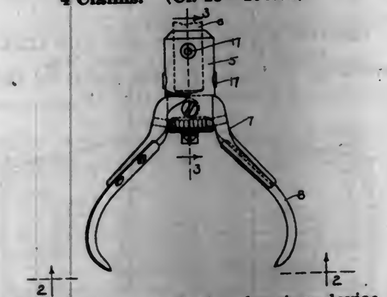
2,255,800

SEWER PIPE CLEANING CUTTER

John C. Miller, Salem, Wis.

Application November 17, 1938, Serial No. 240,924

4 Claims. (Cl. 15—104.30)



4. A self-adjusting drain cleaning device for use with a rotatable extension for passing it through a drain comprising a body having an attaching element thereon for securing it to said extension, a pair of outwardly bowed cleaning members attached together scissors-like near the ends and pivotally connected to the body and adapted to be swung together until the free ends of the bowed members touch, a spring for normally spreading said members apart, a shoulder on each of said members and a co-operating shoulder on the body adapted by engagement to limit outward movement of the members, said shoulders being releasable from engagement in contracted positions so that both members jointly in said contracted positions may be shifted to one side or another with respect to the axis of the direction of movement to assist in passing the device around a corner.

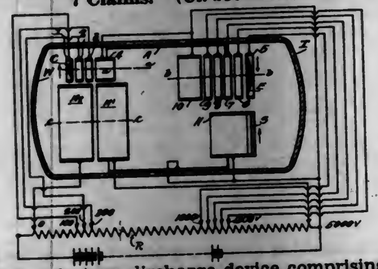
2,255,801

ELECTRON IMAGE DEVICE

George A. Morton, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application August 31, 1939, Serial No. 292,804

7 Claims. (Cl. 250—150)



1. An electron discharge device comprising an image cathode, a multiplying electrode adapted to release an intensified electron image in response to the impress thereon of an electron image from said image cathode, an electron mirror comprising a plurality of apertured electrodes located on the cathode side of said multiplying electrode in spaced relation thereto and adapted to reflect said intensified electron image in the return direction, and an image target facing the mirror and upon which said reflected intensified electron image impinges.

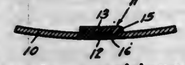
2,255,802

CONTAINER

John H. Murch, East Orange, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application September 24, 1936, Serial No. 102,408

1 Claim. (Cl. 220—75)



A metallic can body, comprising a blank formed of relatively thin sheet metal having two opposed marginal side edges, one of said edges being straight and the other offset, forming a butt and lap engagement, the lap portions of said edges being stitch welded and the part connecting said offset edge with the body being mushroomed into close engagement with the other edge of said blank with said mushroomed part of increased thickness within the seam to close all existing spaces at said seam, the outermost of said spot welds having the boundaries of their fused areas terminating at the end edges of said body and with said fused areas fully contained therein.

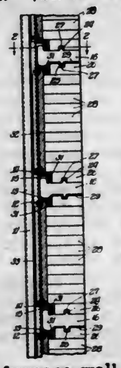
2,255,803

FURNACE WALL

Joseph James Offutt, Mexico, Mo., assignor to A. P. Green Fire Brick Company, Mexico, Mo., a corporation of Missouri

Application January 2, 1941, Serial No. 372,701

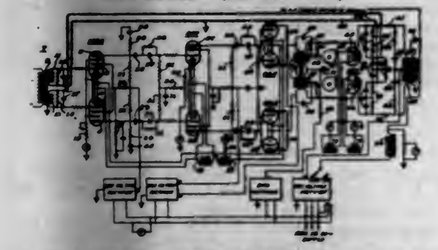
17 Claims. (Cl. 72—101)



3. In a sectional furnace-wall having upright columns, horizontal metal sustaining-bars mounted in vertically-spaced relation on said columns, horizontal metal retaining-bars mounted in vertically-spaced relation on said columns, each such retaining-bar being complementary to and located above one of said sustaining-bars and having a depending portion, said columns and bars defining the sections of the wall, vertically-spaced rows of supporting-firebricks each row bearing on and supported by one of said sustaining-bars and maintained in place thereon by engagement with said portion of the companion

retaining-bar, and superimposed courses of supported-firebricks between successive rows of said supporting-firebricks, the novel combination of features being (*a*) that said supporting-firebricks are refractory-firebricks having a modulus of rupture of from approximately 350 pounds to approximately 1500 pounds per square-inch, (*b*) that the majority of said supported-firebricks of said courses are light-weight insulation-firebricks having a modulus of rupture of from approximately 80 pounds to approximately 250 pounds per square-inch, (*c*) that said refractory-firebricks are supported on said sustaining-bars by the outer end portions only of said firebricks, (*d*) that said courses of supported-firebricks are upheld solely by the parts of said rows of refractory-firebricks extended inwardly of the furnace beyond their sustaining and retaining bars, and (*e*) that each said set of courses of said supported-firebricks extend upwardly from its supporting row of refractory-firebricks to the next upper row of such refractory-firebricks.

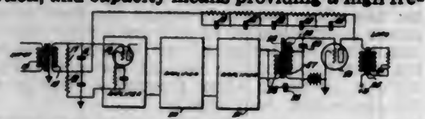
2,255,804
FEEDBACK WAVE TRANSLATING SYSTEM
Nils J. Oman, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 14, 1937, Serial No. 153,574
13 Claims. (Cl. 179—171)



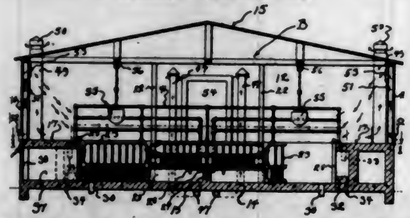
1. In a negative feedback audio frequency amplifier, a plurality of amplifier devices, coupling means provided with phase correcting networks, means forming a feedback loop circuit with said amplifier devices and said coupling means for compensating against distortion, one of said coupling means comprising a transformer having other than unity ratio of turns between a pair of primary and secondary windings, a capacitor connected between a high potential terminal of the lower impedance winding to a tap on the higher impedance winding so that the turn ratio with respect to said tap is substantially unity, a resistor connected at one end to a high potential terminal of said secondary winding in series relation therewith, and a second capacitor connected between said tap and the other end of said resistor, whereby a low impedance path for high frequencies is provided around said transformer and series resistor.

2,255,805
ELECTRICAL NETWORK
Arthur W. Vance, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 25, 1939, Serial No. 301,269
5 Claims. (Cl. 178—44)

1. An electrical network including a transformer provided with primary and secondary windings having a transformation ratio other than unity, capacitance means connected between equal voltage points of said windings for shunting their leakage reactance at high frequencies, said secondary winding having a high voltage section, and capacity means providing a high frequency path in shunt with said section of the secondary, whereby said section is substantially by-passed at high frequencies and the phase lag of output voltage from the network is less than ninety degrees.

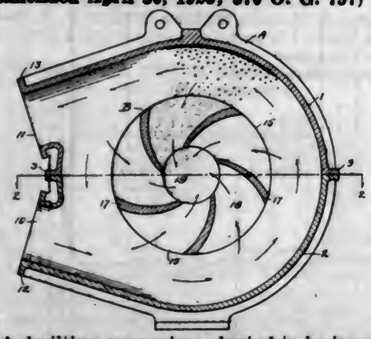


2,255,806
BROODER FOR HOGS AND THE LIKE
Frank E. Overson, Racine, Wis.
Application December 15, 1938, Serial No. 245,861
3 Claims. (Cl. 119—16)



1. A barn for brooding pigs, comprising a plurality of transversely extending pens, a centrally disposed heated hover for young pigs extending longitudinally through the building common to all of the pens, and a raised walk extending entirely around the inside of the building against the outer walls and around the outer ends of the pens for facilitating the feeding of the pigs having a portion contiguous with the floor of the barn for keeping young pigs away from the cold outer walls of the building and adjacent the heated hover.

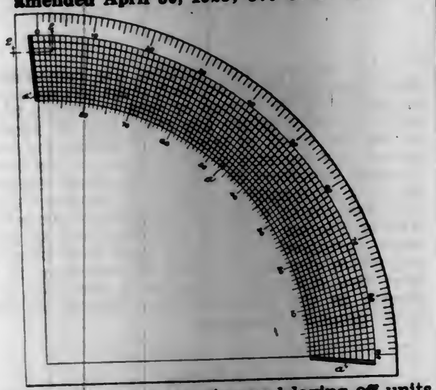
2,255,807
DESILTING MACHINE
Carl H. Plumlee, Fort Peck, Mont.
Application January 26, 1940, Serial No. 315,781
5 Claims. (Cl. 209—211)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A desilting apparatus adapted to be inserted in the pipe line of a hydraulic dredge installation and comprising a casing including front and rear plates, and a peripheral section, the latter being

formed with tangential intake and discharge openings, said front plate of the casing having a supplemental discharge opening central thereof, a runner rotatably mounted within the casing and having a central opening communicating with said supplemental discharge opening, said runner including a plurality of curved vanes, whereby the finer particles of the material in the mixture of water and solids entering the tangential intake opening will be directed along a path of flow through the runner to the supplemental discharge opening in the casing, while the coarser particles will be caused to travel around the interior of the casing to the tangential discharge opening therein.

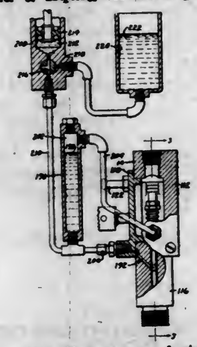
2,255,808
DEVICE FOR LAYING DOWN OR MEASURING ANGULAR VALUES
Harry B. Porter and Stewart F. Fahringer, Huntington, W. Va.
Application August 31, 1939, Serial No. 292,866
2 Claims. (Cl. 33—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A device for measuring and laying off units of angular measurement, comprising a substantially transparent protractor, including an arcuate edge graduated in one degree divisions of angular measure, a fixed vernier in connection with the protractor and coacting with the graduations on its arcuate edge, said vernier including means for providing in effect a vernier adjustment with respect to each of said degree divisions, whereby to afford fractions thereof in minutes, said means comprising a slot formed in the protractor adjacent one extremity of its arcuate edge, one side of said slot extending obliquely and at a definite angle relative to one of the radii of the protractor, and being graduated to indicate fractions of a degree in minutes.

2,255,809
PRESSURE INDICATOR
Ford L. Prescott, Dayton, Ohio
Original application February 9, 1934, Serial No. 710,500. Divided and this application February 2, 1937, Serial No. 123,633
6 Claims. (Cl. 73—30)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a device for manifesting the pressure in an engine cylinder, pressure responsive indicating means, means defining a pressure passage between said cylinder and said pressure responsive means, valve means for admitting pressure from said cylinder to said passage, said last mentioned means comprising a valve body having a valve seat, a normally closed valve member slidably mounted in said body at one end and seating on said seat at the other end, means by which said valve may be momentarily opened to admit pressure, and a liquid in said passage in communication with the space between said valve member and said valve body and subject, at all times, to an initial substantial pressure head and responsive to said admitted pressure to prevent escape of said admitted pressure past said one end, said liquid being further communicatively connected with said pressure responsive indicating means for actuating the same.



2,255,810
MARKED MEAT PRODUCT
Harry H. Replogle, Scarsdale, N. Y., assignor to Sylvania Industrial Corporation, Fredericksburg, Va., a corporation of Virginia
Application May 5, 1939, Serial No. 271,628
1 Claim. (Cl. 99—174)

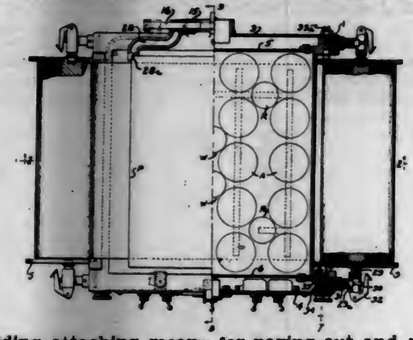


As an article of manufacture, a marked meat product comprising a mass of meat, a casing of non-fibrous, shrinkable, cellulosic material enclosing said meat and bearing indicia which forms an incomplete insignia, a band of the same non-fibrous, shrinkable, cellulosic material encircling and shrunk about said casing and bearing indicia directly thereon which forms with the indicia on said casing a complete insignia.

2,255,811
PHOTOGRAPHIC PRINTER
William H. Richards, Dayton, Ohio
Application May 8, 1939, Serial No. 272,444
4 Claims. (Cl. 95—75)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A casing for a photographic printer comprising end members having inwardly and outwardly projecting flange portions, and front, rear and bottom wall members connected to said end members, each of said wall members being composed of a pair of spaced panel members, the space between said panels of the front and back members being utilized for electric switches and wires carried by the outer of said panels, the inner panels of said front and back members constituting reflecting members, the inner panel of

the bottom wall member constituting printing-lamp supporting means, said outer flanges pro-

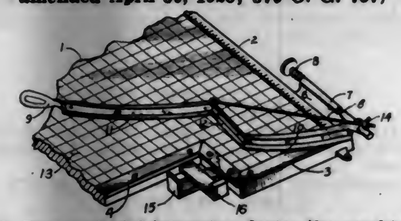


viding attaching means for paying-out and receiving spools.

2,255,812

MATERIAL TRIMMING AND CUTTING DEVICE

Ruth B. Rickman, Arlington County, Va.
Application November 14, 1940, Serial No. 365,685
3 Claims. (Cl. 164—44)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

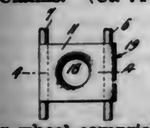


1. In a material trimming device the combination of a base having a shearing edge, one portion of which is offset with respect to another and connected by another portion at substantially right angles thereto, and a knife, pivoted to said base, having offset portions and an intermediate portion in angular conformity with said shearing edge, the cutting edge of said knife throughout its portions including the intermediate portion being ground along a single curve progressively inclining beyond each successive point of shearing as the knife passes the shearing edge during a downward stroke about its pivot.

2,255,813

STEERING WHEEL

Herbert C. Robbins and Carl F. Hilldring, Akron, Ohio, assignors to American Hard Rubber Company, New York, N. Y., a corporation of New York
Application October 3, 1940, Serial No. 359,472
2 Claims. (Cl. 74—552)

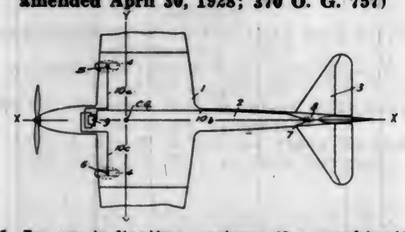


1. A steering wheel comprising a circular rim, two spokes in substantially the same plane extending from one side of the circular rim to the opposite side and being spaced apart at their middle point, and a hub consisting of a U-shaped member formed from a flat plate, the inner surface of one arm of the U being secured to one side of the two spokes and the inner surface of the other arm of the U being secured to the other side of the two spokes, the two arms of the U having alined holes adapted to fit over a steering post.

2,255,814

LOAD DISTRIBUTION INDICATOR

Jean A. Roché, Dayton, Ohio
Application October 8, 1937, Serial No. 168,027
18 Claims. (Cl. 265—40)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an indicating system, the combination with three shock struts, each strut having a plurality of chambers, one of said chambers being subject to a pressure less than that of another during the shock of landing, of means for indicating the pressure ratio relation of the lesser pressure chambers of said shock struts comprising, a corresponding number of separate pressure responsive elements operatively connected with said lesser pressure chambers, and an indicator operatively connected with said pressure responsive elements capable of movement in at least two different planes as a function of a change in the pressure ratio relation of said lesser pressure chambers.

2,255,815

PRODUCTION OF 7-DEHYDRO-STEROIDS

Hans R. Rosenberg, Wilmington, Del., and Theophilus Parsons, Jr., New Brunswick, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 7, 1939, Serial No. 283,294
19 Claims. (Cl. 260—397.2)

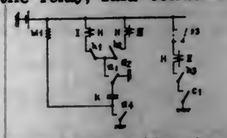
1. The process which comprises reacting a steroid characterized by having an esterified hydroxyl group in the 7-position and a double bond in the 5,6-position of a cyclo-pentano-perhydrophenanthrene nucleus with an additional non-acidic oxonium salt forming compound.

2,255,816

IMPULSE REPEATING ARRANGEMENT

Wilhelm Rotscheidt, Berlin-Charlottenburg, Germany, assignor to Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung, Berlin, Germany, a corporation of Germany
Application May 11, 1939, Serial No. 272,970
In Germany May 16, 1938
9 Claims. (Cl. 179—16)

1. In combination, a condenser, a source of direct current, means for connecting said condenser to said source to charge the condenser, a relay, and means operated after the condenser has been charged to connect the charged condenser and said source in series with said relay to energize the relay, said condenser and said



source being so poled in said series circuit that the effective total potential impressed by them upon said relay is greater than the potential of either said condenser or said source alone.

2,255,817

ELECTROLYTE FOR ELECTROLYTIC CONDENSERS

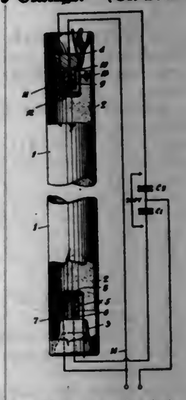
Samuel Ruben, New Rochelle, N. Y.
No Drawing. Application July 8, 1939, Serial No. 283,453
9 Claims. (Cl. 175—315)

1. An electrolyte for electrolytic condensers, comprising the reaction product of hydrogenated rosin, an alkali and a plasticizer.

2,255,818

GAS DISCHARGE DEVICE

Samuel Ruben, New Rochelle, N. Y.
Application April 30, 1940, Serial No. 332,469
9 Claims. (Cl. 176—124)



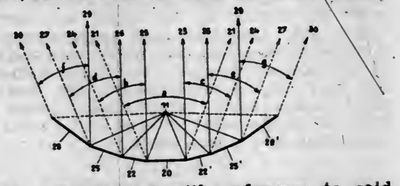
1. In combination, an electric gaseous discharge device comprising a sealed envelope, a gaseous atmosphere within said envelope, a pair of ionic rectifiers within said envelope each comprising cathode and anode; each of said rectifiers being connected in series with a capacitance and a source of alternating current; a common connection between said capacitances connected to one side of said alternating current source, the cathode of one rectifier being connected to one of the capacitances and the anode of the other rectifier being connected to the other capacitance.

2,255,819

PROJECTOR

Ettore Salani, Rome, Italy, assignor of one-half to Vitaliano Passardi, Rome, Italy
Application December 8, 1937, Serial No. 178,789
In Italy January 9, 1937
1 Claim. (Cl. 240—41.36)

In a reflecting system for producing a substantially evenly illuminated field and comprising a composite reflector having a plane of symmetry and being constituted of a plurality of relatively long and narrow reflecting elements formed as parts of approximately cylindrical surfaces and having substantially the same length, a point source of light situated in said plane, a central reflecting element mounted symmetrically with reference to said plane of symmetry and having a wide angle of reflection bounded by limiting rays which diverge from its outer edges outwardly with reference to said plane and substantially define said field, and a plurality of pairs of auxiliary lateral reflecting elements mounted respectively symmetrically with respect to said plane and forming optically a substantially continuous reflecting surface with said central reflecting element with the long edges of said elements being adjacent, each said auxiliary element being con-



structed and oriented with reference to said plane so that it delivers a beam of light bounded on one side by an inner extreme ray extending from the inner edge of said auxiliary element substantially parallel to said plane of symmetry and on the other side bounded by an outer extreme ray extending substantially parallel to the nearest extreme ray of said central element, whereby the beams reflected from said auxiliary elements on a first side of said plane of symmetry illuminate only the portion of said field on said first side of said plane, and the beams reflected from said auxiliary elements on the second side of said plane illuminate only the portion of said field on the second side of said plane, and the beam reflected from said central element is superposed in desired manner on the beams reflected by said auxiliary elements.

2,255,820

OSCILLATING MECHANICAL SYSTEM OF THE RESONANCE TYPE

Georg Heinrich Schieferstein, Finowfurt, near Eberswalde, Germany
Application October 20, 1938, Serial No. 235,991
In Germany July 12, 1937
4 Claims. (Cl. 267—21)



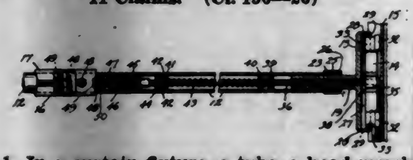
1. In a resonance mechanism having a fixed element and a vibrating mass element, connecting means between said two elements including a lever and an elliptical spring on each end of said lever, each of said springs comprising a substantially elliptical metal core member, a substantially elliptical metal shell member surrounding said core member at a distance from its surface, and an intermediate layer of soft rubber interposed between said core and shell member and adapted to store substantial amounts of energy, one of the metal members of each spring being rigid with said lever, the second metal member of each spring being connected to one of said two elements, respectively.

2,255,821
DOUBLE TAPE DRAWING FRAME FOR SPINNING AND SIMILAR MACHINES
Ludwig Schlipp, Kassel, and Max Boettle, Kassel-Bettenhausen, Germany
Application January 20, 1940, Serial No. 314,748
In Germany January 24, 1939
5 Claims. (Cl. 19—131)



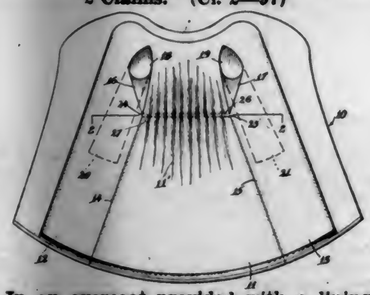
1. A double tape drawing frame comprising a cage, upper and lower tapes, a bar for guiding the lower tape at the point where the roving leaves the tapes, and a freely running loading roller surrounded by the upper tape and positioned over said bar, said roller being freely movable between the walls of the cage and adapted to tension the upper tape by its own weight and to press the same towards the lower tape, said loading roller pressing said tapes yieldingly together against said bar at the point where the roving leaves said tapes.

2,255,822
CURTAIN FIXTURE
Joseph Schunk, Newark, N. J., assignor to The National Lock Washer Company, Newark, N. J., a corporation of New Jersey
Application April 16, 1940, Serial No. 329,904
11 Claims. (Cl. 156—26)



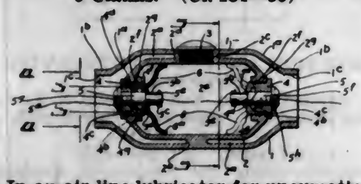
1. In a curtain fixture, a tube, a head member slidably keyed upon the end of said tube for longitudinal adjustable movement, yieldable detent means cooperatively arranged between said head and said tube to yieldably retain said head in longitudinally adjusted position, a spring pressed plunger rod carried by said tube, and a plunger carried by said rod.

2,255,823
COAT
Abraham Silverstein, New York, N. Y.
Application May 8, 1941, Serial No. 392,414
2 Claims. (Cl. 2—97)



1. In an overcoat provided with a lining, an elastic strap extending across the back between the lining and the overcoat material at the region of the waistline of the overcoat, the said strap along its longitudinal edges being stitched while in a partially outstretched position to the lining only to form a gathering therewith when in released and normal position and the strap along its transverse edges being stitched to the back of the coat material while in said partially outstretched position to form a loose portion therebetween when in released and normal position.

2,255,824
AIR-LINE LUBRICATOR FOR PNEUMATIC TOOLS
Arthur H. Skaer, Huntington Park, Calif., assignor to Independent Pneumatic Tool Co., Chicago, Ill., a corporation of Delaware
Application November 16, 1938, Serial No. 240,771
5 Claims. (Cl. 184—55)



1. In an air line lubricator for pneumatic tools of the class described, the combination of a pair of hollow cylindrical casings one placed within the other in spaced relation to each other and rigidly connected, a filling opening communicating from the exterior of the outer casing to the interior of the inner casing and a plurality of varying sized adjustable passage means in each extended end of the inner casing.

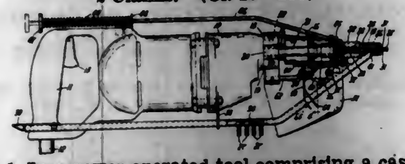
2,255,825
PAINT COMPOSITION
John R. Skeen, Philadelphia, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
No Drawing. Application July 25, 1939, Serial No. 286,331
6 Claims. (Cl. 134—51)

1. A liquid coating composition comprising from 62 to 68% pitch, at least 3% α-naphthylamine, from 7.8 to 13% mica, from 13 to 20% leafing discoid filler and from 0 to 2.5% asbestos to make 100% and having sufficient thinner added thereto to bring the viscosity of the resultant mixture to within 22 to 38 seconds Gardner.

2,255,826
PROCESS OF PROTECTING CORRODIBLE METAL SURFACES, AND PRODUCT RESULTING THEREFROM
John R. Skeen, Philadelphia, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
No Drawing. Application October 27, 1937, Serial No. 171,197
8 Claims. (Cl. 91—68)

1. A process for protecting the outer surface of a corrodible metal lift of a water-sealed gas holder, comprising applying directly to said surface a paint comprising pitch having a softening point between 140 and 165° F. 62 to 68%, alpha-naphthylamine at least 3%, dispersing discoid filler 7.8 to 13%, leafing discoid filler 13 to 20%, and asbestos up to 2.5%, thus making a total of 100%, said paint having in addition sufficient thinner to impart to said paint a viscosity between 22 and 38 seconds Gardner, said application of said paint being such that one gallon of paint having the above mentioned viscosity is made to cover not more than 450 square feet of surface, and after sufficient drying of the primer coat thus formed applying to said primer coat a rigid top coat to hold said primer coat in place during extreme weather conditions.

2,255,827
MECHANISM INCLUDING A DRIVEN TOOL FOR FEEDING AND OPERATING UPON WORK ELEMENTS
Floyd C. Snyder, Massillon, Ohio
Application June 10, 1938, Serial No. 212,894
2 Claims. (Cl. 10—155)

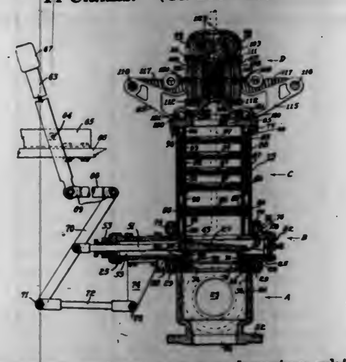


1. In a power operated tool comprising a casing having a driven tool at one end thereof, a slide carried by said casing and having a sleeve that surrounds said tool, means for reciprocating said slide longitudinally with relation to said tool, a magazine for threaded work elements carried by said slide and discharging into said sleeve beyond the end of said tool, and escapement means for releasing work elements one at a time from said magazine upon reciprocation of said slide, said means comprising an escapement plate pivotally mounted on said slide, and a cam carried by said casing and adapted to effect oscillation of said escapement plate, said cam consisting of a bent rod that is disposed substantially parallel to the path of movement of the slide and extends through an aperture in the escapement plate.

2,255,828
MANUFACTURE OF CELLULOSIC ARTICLES
Antonie Sonneveld, New York, N. Y., assignor to Transtone Corporation, New York, N. Y., a corporation of New York
No Drawing. Application December 2, 1940, Serial No. 368,229
3 Claims. (Cl. 106—177)

3. A composition of matter comprising 5 parts of cellulose acetate and a volatile solvent, 1½ to 2 parts of triacetine, and 1½ to 2 parts of tributyl phosphate.

2,255,829
SAFETY DRILLING-IN HEAD
Ferdinand J. Spang, Butler, Pa., and Ray B. Anderson, Charleston, W. Va.
Application June 20, 1939, Serial No. 280,090
14 Claims. (Cl. 166—15)



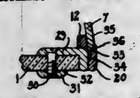
1. In an oil and gas saver, a housing which is longitudinally separable into two parts and is provided with a packing chamber having aligned end openings, a longitudinally separable packing within said chamber, a support to which said housing parts are hinged, means yieldingly resisting the movement of said housing parts to open position when said housing is closed and to closed position when said housing is open, and drilling cable socket operated means for swinging the housing parts to open position.

2,255,830
IDENTIFICATION TAG
Milton Spencer, Chicago, Ill., assignor to Max Bressler, Chicago, Ill.
Application May 5, 1941, Serial No. 391,890
1 Claim. (Cl. 40—140)



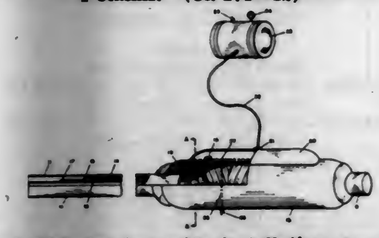
An identification tag comprising a flat thin plate having an aperture therein, a tape of the same size as said plate, said tape having an adhesive face, the adhesive face of said tape attached to and covering all of the back of said plate, a plurality of flat, thin segments within the aperture of said plate with the backs of said segments adhering to the adhesive face of said tape, said segments of such a size that the total of said segments fills the aperture of said plate, at least some of said segments bearing symbols, a transparent covering over the face of said plate and said segments, a frame surrounding said transparent covering, said frame having flanged edges and bendable clips, a filler contacting the back of said tape and within the flanged edges of said frame, said bendable clips bent against the back of said filler to prevent accidental displacement of said filler, said plate and said segments from said frame.

2,255,831
OPHTHALMIC MOUNTING
Edward M. Splaine, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application June 29, 1938, Serial No. 216,532
5 Claims. (Cl. 88—42)



4. In a device of the character described for use with a pair of lenses, lens holding means adapted to be secured to said lenses, said lens holding means each having a part shaped to overlie a side surface of a lens and a part shaped to overlie the edge of said lens and having an outer surface so positioned as to be spaced from and to overlie said lens edge in a single plane, bridge means having a recessed surface attached to a portion of said outer lens edge overlying surface, and nose pad supporting means having an end portion contacting said bridge means with at least a portion thereof lying in said recess and also having a surface attached to a portion of said outer lens edge overlying surface of said lens holding means, said attached surfaces of said pad supporting means and bridge being substantially flush, all of said means being secured together at substantially a common point of attachment and temple supporting means secured to a portion of said nose pad supporting means adjacent said common point of attachment and adapted to extend therefrom about the upper contour edges of one of said lenses when said device is in assembled relation therewith.

2,255,832
IMPREGNATED ELECTRIC CABLE
Harry E. Thompson, Dobbs Ferry, N. Y., assignor to Anaconda Wire and Cable Company, New York, N. Y., a corporation of Delaware
Application August 2, 1939, Serial No. 287,907
4 Claims. (Cl. 174—12)



1. A high tension cable installation comprising an insulated electric conductor surrounded by an impervious metallic sheath, a liquid impregnating medium filling the voids between said conductor and said sheath, a reservoir partially filled with an inert gas under pressure, a plurality of imperforate open-ended tubes of varying length and applied with the same lay located within said impervious outer sheath, one end of each tube being in contact with the liquid impregnating medium while the opposite ends of said tubes are grouped together, and a pipe connecting the grouped ends of said tubes with that portion of the reservoir which is filled with gas.

2,255,833
POCKET SYRINGE
Barney L. Taylor, United States Navy
Application May 21, 1940, Serial No. 336,405
2 Claims. (Cl. 128—232)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

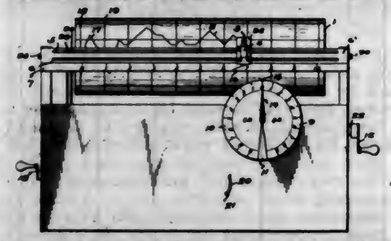


1. A pocket syringe comprising a bulb body and a bulb tip of compressible material, said bulb tip having a nozzle aperture extending therethrough, an apertured nozzle cap and an extending skirt on said nozzle cap, said nozzle cap and skirt being of relatively non-compressible material, the internal opening within said nozzle cap skirt being slightly less than the outside of the compressible bulb tip, whereby to removably hold said nozzle in operative position on said bulb tip, and a sealing pin having a small sealing end of a diameter to fit snugly within said bulb tip, the aperture through said nozzle cap being counterbored and having its small end at the nozzle tip and the large end within said cap to fit easily over a large handle end of said sealing pin.

2,255,834
METHOD OF RUBBERIZING CELLULOSE FABRICS
Joseph I. Taylor and Karl T. Schaefer, Elizabethton, Tenn., assignors to North American Rayon Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application November 5, 1938, Serial No. 239,174
18 Claims. (Cl. 91—68)

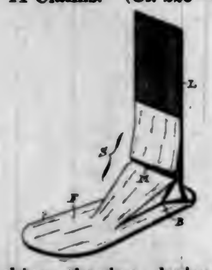
1. The process of cementing regenerated cellulose to rubber which comprises first impregnating a regenerated cellulose with a cation-active alkylpyridinium compound and subsequently applying a rubber thereto.

2,255,835
APPARATUS FOR PLOTTING LINE GRAPHS
Leonard G. Townsend, Washington, D. C.
Application July 15, 1940, Serial No. 345,666
6 Claims. (Cl. 33—18)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



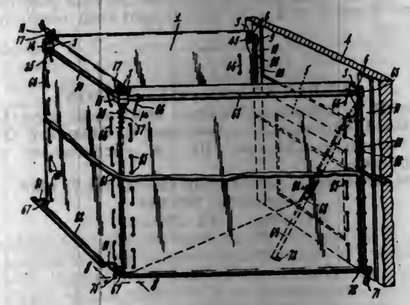
1. In a device of the character described including a record bearing assembly and an inscribing assembly, means for establishing the relationship between two factors, said means including driving and driven rotatable members, said driving member being adjustable into and out of engagement with said driven member and said driven member being adjustable so as to vary the ratio of rotation between said driving and driven members, said driving member being adjustable so as to be disengaged from said driven member while said driven member is being positioned to alter the ratio of rotation between said driving and driven members, and said driving member being adjustable to reengage said driven member after said ratio of rotation has been established, and means for registering such relationship, through the simultaneous movements of said record bearing and inscribing assemblies, in the form of a plotted line graph.

2,255,836
PREPARATION OF STOCKINGS FOR MARKETING
Andrew E. Vaughan and Andrew E. Vaughan, Jr., Pottstown, Pa., assignors to The Vaughan Knitting Company, Pottstown, Pa., a corporation of Pennsylvania
Application August 5, 1939, Serial No. 288,592
11 Claims. (Cl. 223—76)



1. A stocking shaping device comprising a mounting form component with a foot portion, a leg portion and an ankle portion connecting with the foot portion intermediate the ends of the latter over which the stocking is drawn, said ankle portion having depressions in the opposite sides defined by plural lines which intersect at a common point; and a presser component including oppositely influenced block elements configured to fit the depressions in the mounting form component.

2,255,837
ENCLOSURE
Joseph A. Volk, Wilton, Conn.
Application September 5, 1940, Serial No. 355,479
6 Claims. (Cl. 135—5)



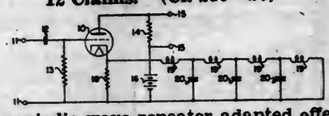
1. An enclosure comprising a single curtain, means for supporting said curtain adjacent to the ceiling of a room to enclose an area extending from a wall of said room having a door therein, said curtain supporting means including a plurality of rollers arranged substantially end to end and some at least angularly related to an adjacent roller for supporting the upper edge of said curtain, the upper portion of said curtain being divided into sections, each of said sections being wound on one of said rollers to an extent to permit the lower edge of said curtain to be positioned adjacent to the floor of the room, and means for lifting the lower edge of said curtain from said floor substantially simultaneously at a plurality of positions distributed around said area.

2,255,838
ELECTRICAL CONNECTOR
Charles E. Wells, San Gabriel, Calif., assignor to Lane-Wells Company, Los Angeles, Calif., a corporation of Delaware
Application October 16, 1939, Serial No. 299,680
3 Claims. (Cl. 173—324)



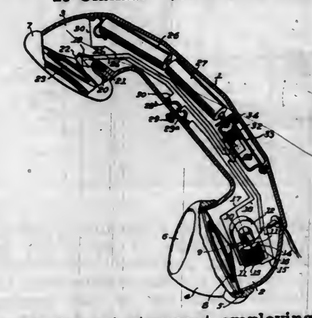
3. In an electrical connector adapted to withstand extreme hydrostatic pressure: an insulated body member having a cavity, and a pair of openings to said cavity; removable plugs adapted to fit the openings and close said cavity; a conductor extending through each plug into said cavity; and a conductive liquid completely filling said cavity for making electrical contact between said conductors; each of said plugs having an annular V-shaped groove surrounding its conductor forming pressure-responsive lips adapted to bear against said conductor and against the surrounding body to form a pressure responsive sealing means, said plugs resting directly upon and supported by the conductive liquid.

2,255,839
PERIODIC WAVE REPEATER
John C. Wilson, Bayside, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application March 1, 1940, Serial No. 321,659
12 Claims. (Cl. 250—27)



1. A periodic wave repeater adapted effectively to repeat only predetermined pulses of a wave including periodic pulses comprising, a vacuum tube having an input circuit adapted to have said wave applied thereto and an output circuit, and impedance means degeneratively coupling said circuits and effective to apply to said input circuit a voltage of the same phase as that of said output circuit and including frequency-selective means for substantially reducing the degenerative effect thereof at the fundamental frequency and at least one harmonic frequency of said predetermined pulses.

2,255,840
COMMUNICATING DEVICE AND SYSTEM
William L. Woolf, Long Island, N. Y.
Application October 7, 1937, Serial No. 167,677
19 Claims. (Cl. 179—1)

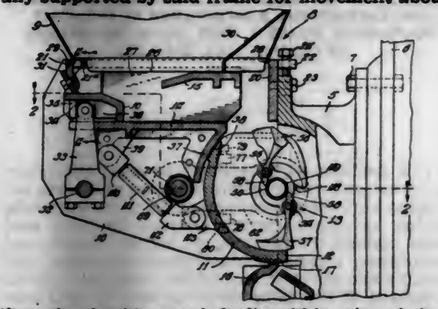


1. A telephone instrument employing a transmitter in which the major impedance component is an inductive reactance and a receiver in which the major impedance component is a capacitative reactance, said transmitter and said receiver being electrically connected to each other in parallel, the natural resonance frequency of the parallel circuit being 4000 cycles per second or greater.

2,255,841
COAL SPREADER UNIT
Byron F. Bower, St. Charles, Ill., assignor to The Howell Company, St. Charles, Ill., a corporation of Illinois
Application November 21, 1938, Serial No. 241,483
3 Claims. (Cl. 110—115)

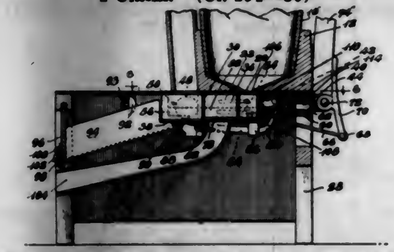
1. In a mechanical spreader type of fuel feeding device for furnaces, a hopper, a frame supporting said hopper, a deflector plate in said frame below and laterally offset from said hopper, a shaft carried by said frame and extending across the frame over the deflector plate, bearings for said shaft on the exterior of said frame, a pusher block beneath said hopper, a second shaft journalled on said frame, means operatively connecting said second shaft to the pusher block, a gear and pinion connecting said shafts, spreader paddles on said first named shaft, and means

for adjusting said paddles with respect to the deflector plate, said means comprising arms pivotally supported by said frame for movement about



the axis of said second shaft, said bearings being carried by said arms, and means on the frame for holding the arms in a position to which they are adjusted.

2,255,842
VENDING MACHINE
John H. Bridwell, Wichita Falls, Tex.
Application October 31, 1939, Serial No. 302,225
1 Claim. (Cl. 194—80)

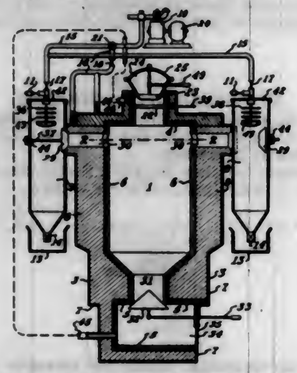


In a vending machine, a housing equipped with a sliding hopper operable to commodity receiving and discharging positions respectively and adapted to receive a vendible commodity, a main plunger slidably connected to said hopper for movement with and relative to the hopper to said discharging and receiving positions respectively, an auxiliary plunger slidably mounted in said housing adjacent said main plunger and connected to said hopper for movement therewith to said receiving and discharging positions, both of said plungers having coincident ends formed with coin receiving means adapted to accommodate a coin for locking said plungers together to effect unitary movement of the plungers to said discharging position, said housing provided with coin engaging means coacting with said coin receiving means for maintaining a coin within said coin receiving means during the movement of said plungers to said discharging position and for effecting discharge of the coin from said coin receiving means substantially coincident with the termination of the movement of said plungers to said discharging position and thus release said plungers with respect to each other, coin operated means carried by said housing and normally disposed in the path of said auxiliary plunger to preclude movement of said auxiliary plunger to said discharging position, said coin operated means being responsive to the weight of a coin deposited thereon for disposing said coin operated means out of the path of said auxiliary plunger, ratchet means for maintaining said auxiliary plunger in said discharging position, ratchet releasing means carried by said main plunger and engaging said ratchet means to effect release of said auxiliary plunger upon movement of said main plunger to said receiving position and thus effect retarded movement of said auxiliary plunger and said hopper to said receiving position, spring means carried by said housing and connected to both of said plungers for urging said plungers to said receiving position, and manually operated means connected to said auxiliary plunger for operating the latter and said hopper, against the urgency of said spring means, to said discharging position upon deposit of a coin within said coin receiving means.

2,255,843
HYDROCARBON CONVERSION
Don B. Carmody, Whiting, Ind., and Alex G. Oblad, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application December 7, 1939, Serial No. 308,046
8 Claims. (Cl. 196—10)

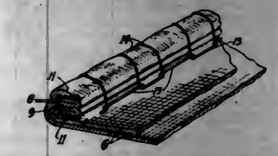
1. A process for the production of a high octane number fuel comprising contacting a branched-chain paraffinic hydrocarbon with methyl chloride in the presence of a metallic halide alkylation catalyst under conditions adapted to promote the alkylation of said branched-chain paraffinic hydrocarbon with the organic radical of said methyl chloride.

2,255,844
METALLURGICAL FURNACE
Henri Louis Gentil, Paris, France, assignor to Societe d'Electrochimie, d'Electrometallurgie et des Acieries Electriques d'Ugine, Paris, France, a corporation of France
Application July 13, 1939, Serial No. 284,293
In France January 14, 1938
2 Claims. (Cl. 266—17)



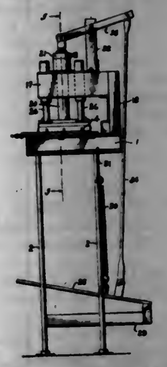
1. A metallurgical furnace comprising a closed reaction chamber having non-porous refractory walls, means for heating said reaction chamber to a high temperature, a closed gas-tight receptacle surrounding the said reaction chamber, the space therebetween being filled with porous refractory material, a plurality of separate condensers located outside said receptacle but having gas-tight connection therewith, there being from said reaction chamber to each of said condensers a valved passageway, means providing a gas-tight closure for introducing material into said reaction chamber, means including a gas-tight closure for withdrawing material from said reaction chamber, means including a gas-tight closure for withdrawing material from said condensers, vacuum producing means and connections between said vacuum producing means and said reaction chamber, said receptacle outside said reaction chamber and said condensers severally, the said connections to said condensers being valved, and said condensers each having a valved connection for relieving the vacuum therein.

2,255,845
BURLAP BAG
George I. Goldwyn, Chicago, Ill., assignor to George I. Goldwyn and Herman Goldwyn, Chicago, Ill., co-partners doing business under the name of Goldwyn Brothers
Application June 15, 1939, Serial No. 279,245
7 Claims. (Cl. 2—276)



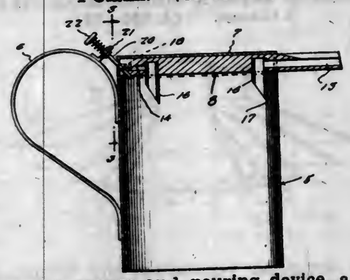
1. A bag having side walls, a marginal part of each of which is folded back upon one side of an associated side wall, both of said folded over margins being refolded back upon one of the side walls of the bag, and stitching securing said side walls together as well as securing said refolded margins together and to said side walls.

2,255,846
PAPER-TRIMMING MACHINE
Samuel King Grammer, Houston, Tex.
Application December 30, 1940, Serial No. 372,367
4 Claims. (Cl. 164—47)



1. In a paper trimming machine the combination of a frame, a stationary knife support on the frame, four individual knives mounted on said support arranged to surround a rectangular area, each of said knives being hingedly mounted midway of its length for horizontal oscillation, compression springs on pins in line with the hinged mounting of said knives whereby each of said knives gives yieldingly in its horizontal movement, adjustable stops fastened to each knife and located near the ends of each knife for limiting the extent of the horizontal movement of the knives, a reciprocating ram, four individual knives mounted on said ram for cooperation with the first named four knives for simultaneously trimming the four edges of a sheet of paper, and means to reciprocate said ram toward said stationary knife support.

2,255,847
COMBINED CAN OPENER AND POURING DEVICE
Charles F. James, Elsmere, N. Y.
Application March 13, 1940, Serial No. 323,814
1 Claim. (Cl. 65—61)



In a can opener and pouring device, a cylindrical shell having one end closed by an end wall and provided with an opening adjacent to said wall, an elongated body arranged in the shell against said end wall and having a tapered end portion extending through the opening and provided with a passage opening outwardly through the end of said end portion and the top face of the body, tubular penetrating elements partly embedded in the body and one of said elements communicating with the passage, said body having a rounded end abutting the shell and provided with a groove and a vent passage communicating the groove with the other penetrating element, a spring influenced plunger extending through the shell and body to engage a can punctured by said elements whereby the can may be forced off of said elements and from the shell, a handle on the shell, and a bracket carried by the handle and slidably supporting the plunger.

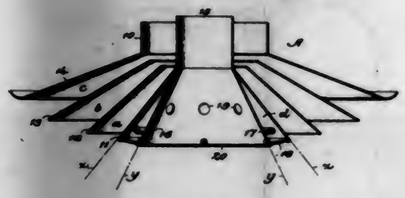
2,255,848
SMOKING PIPE
Lambert Keffeler, Seattle, Wash.
Application May 15, 1940, Serial No. 335,420
1 Claim. (Cl. 131—215)



In a smoking pipe, a bowl including inner and outer vertical walls and a bottom wall, a stem on said bowl and having a straight smoke passage extending from the end thereof through the bottom wall of said bowl, a plug closing one end of the passage, a bit connecting with said end of the stem and the passage, said bowl having a recess in the upper edge between the inner and outer walls thereof and extending for a limited distance of the complete circumference of the bowl, said bowl provided with passages connecting with the recess and with the interior of the bowl adjacent the bottom wall thereof, and a passage connecting with the passage of the stem and with the recess, said recess being defined by bottom and end walls with the passages of the bowl extending through the bottom wall thereof, and a plate for closing the recess and coacting therewith to

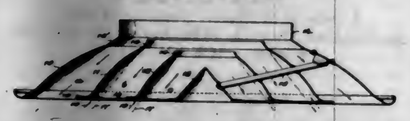
connect the passages of the bowl with each other and having a wedge fit with the end walls of said recess.

2,255,849
COMBINED VENTILATING AND ILLUMINATING DEVICE
Franz J. Kurth, New York, N. Y., assignor to Anemostat Corporation of America, a corporation of Delaware
Application August 9, 1938, Serial No. 223,816
2 Claims. (Cl. 240—78)



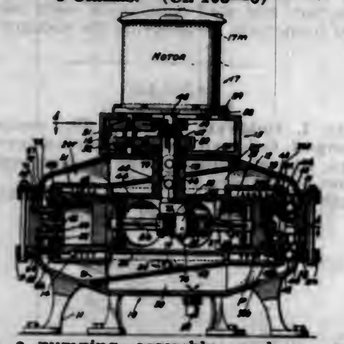
1. A combined ventilating and illuminating device comprising an air extraction duct, a hollow flaring member around the forward or air inlet end portion of said duct, said member being forwardly flared relative to the forward or air inlet end portion of said duct and being engaged at its rear end with said duct, thereby defining around the forward or air inlet end portion of said duct a forwardly flaring space closed at its rear end, illuminating means disposed within said space, and a second hollow flaring member surrounding said first mentioned flaring member in spaced relationship thereto and providing an air supply passageway in surrounding relationship to said air extraction duct.

2,255,850
AIR DISTRIBUTING DEVICE
Franz J. Kurth, New York, N. Y., assignor to Anemostat Corporation of America, a corporation of Delaware
Application March 20, 1939, Serial No. 262,971
6 Claims. (Cl. 98—38)



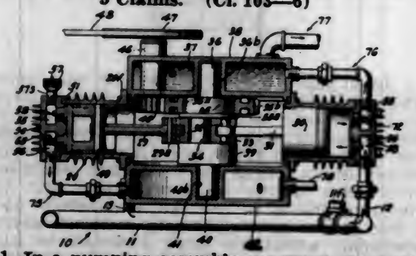
1. An air distributing device comprising a plurality of successively smaller, open-ended, hollow, flaring members spaced successively inwardly of one another to provide a plurality of flaring air passageways therebetween, the rear end portion of at least one of said members being straight in cross section and having an amount of flare such that a forward prolongation thereof extends outwardly of the outermost portion of the next adjacent inwardly disposed member by an amount to permit the major portion of air supplied through the passageway between said members to flow in a straight path through said passageway, said first mentioned member, forwardly of its straight-walled rear end portion, being of internal concave, external convex form in cross section and being disposed outwardly of a forward prolongation of the said straight-walled rear end portion thereof to provide in the outer side portion of the passageway between said members a large area for air aspiration.

2,255,851
PUMP ASSEMBLY
Knut E. Lundin, Los Angeles, Calif., assignor to Radial Pump and Compressor Company, Los Angeles, Calif.
Application October 21, 1940, Serial No. 362,089
3 Claims. (Cl. 103—6)



1. In a pumping assembly, a lower water chamber of a stellate character, the points or arms of said chamber extending in generally horizontal directions, a lower air chamber overlying said water chamber, said air chamber being also of a stellate character and having its arms arranged in alternation with the arms of said water chamber, a pump structure superimposed upon the structure of said chambers, said pump structure having piston cylinders provided with pistons radiating from a common center, alternate piston cylinders being in valve controlled communication with the arms of said water chamber and the intervening piston cylinders being in valve controlled communication with the arms of said air chamber, a stellate shaped water reservoir overlying said pumping assembly and having its arms in communication with the piston cylinders which pump water, a stellate shaped air reservoir overlying said water reservoir and having its arms arranged in alternation with the arms of said water reservoir and in communication with the pump cylinders which pump air, and a driving shaft operatively connected with the inner ends of said pistons.

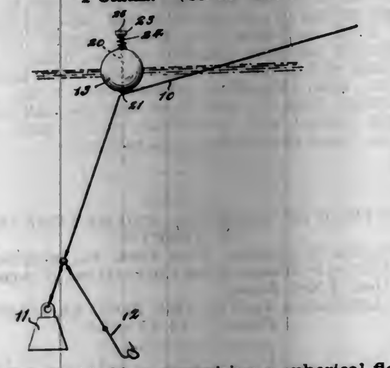
2,255,852
PUMP ASSEMBLY
Knut E. Lundin, Los Angeles, Calif., assignor to Radial Pump and Compressor Company, Los Angeles, Calif.
Application April 19, 1940, Serial No. 330,518
5 Claims. (Cl. 103—6)



1. In a pumping assembly, an upper reservoir, a lower reservoir, said reservoirs being in a vertically spaced relation to each other, a polygonal housing frame having an upper end attached to and closed by said upper reservoir and a lower

end attached to and closed by said lower reservoir, said housing frame having peripheral openings, a plurality of pumping cylinders radially disposed in relation to the center of said frame with open inner ends fitted into said openings, caps closing the outer ends of said cylinders, each of said caps being provided with an upper chamber and with a lower chamber, pistons operating in said cylinders, valves in each of said caps permitting fluid to be entrained from one of said chambers into the piston cylinder closed by such cap and thence discharged from said cylinder into the other of said chambers, a common driving means for said pistons located within the aforesaid housing frame, and conduit means affording communication between certain of said chambers and said upper reservoir and the remainder of said chambers and said lower reservoir.

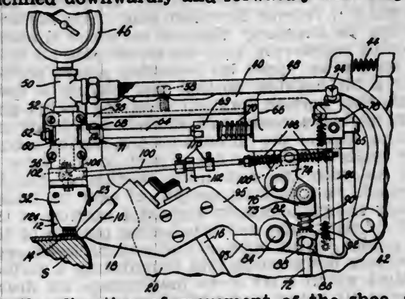
2,255,853
FISHING LINE BOBBER
Sylvester H. Makus and William J. Schultz, Milwaukee, Wis.
Application March 26, 1941, Serial No. 385,368
1 Claim. (Cl. 43—49)



A fish line bobber comprising a spherical float body having a bore therethrough, a bearing washer at the ends of the bore and aligned therewith, said washers having prongs for penetration of the float body for maintaining the washer aligned with the bore, each washer having an arcuate outer face, one of said washers having an offset opening, a wire strand slidably engaged through the washers and the bore, said strand having a downwardly open hook at one end defining a leg complemental to the offset opening in the washer, the strand having a length greater than the diameter of the spherical float body, a cup washer fixed to the other end of the strand, and a helical spring encircling the strand interposed between the cup washer and arcuate face of the other washer, whereby to draw the leg into the offset opening for gripping action upon the line disposed within the hook.

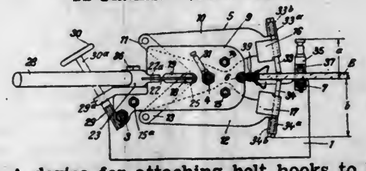
2,255,854
SHOE-BOTTOM-CEMENTING MACHINE
Wilbur L. MacKenzie, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application May 23, 1940, Serial No. 336,753
12 Claims. (Cl. 12—80)

1. In a machine for applying cement to the overlasted upper upon the bottom of a shoe, a guide against which the side of an inverted shoe may be pressed as it is presented to the machine, a depending nozzle for applying cement to said overlasted margin of the upper, said nozzle being inclined downwardly and forwardly with respect



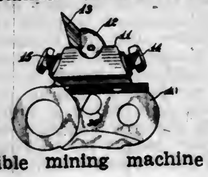
to the direction of movement of the shoe, and means for supporting said nozzle for pivotal movement about an upright axis offset to the rear of the work-engaging end of the nozzle.

2,255,855
DEVICE FOR ATTACHING BELT HOOKS
Curt Matthael, Offenbach-on-the-Main, Germany
Application March 7, 1939, Serial No. 260,442
In Germany March 9, 1938
11 Claims. (Cl. 1—49.4)



1. A device for attaching belt hooks to belts, comprising means for holding said belt hooks including a holding pin adapted to cooperate with said means for holding said belt hooks, means for holding the end of a belt, a pair of presser jaws mounted on pivots arranged above and below the plane of said belt respectively, means for moving said presser jaws in opposite directions towards the belt for folding said belt hooks against the upper and lower surfaces of the belt, and spring-pressed means arranged on each presser jaw, the arrangement being such that during movement of the presser jaws towards each other and before said jaws come into contact with said belt hooks said spring-pressed means swing around the pivots of the corresponding presser jaws and in their pivotal movement move inwardly relative to the holding means to press the end of the belt against said holding means.

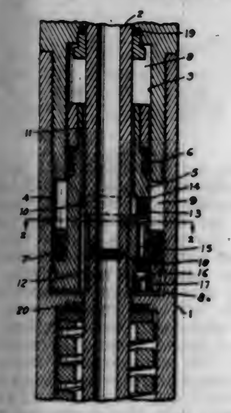
2,255,856
REVERSIBLE MINING MACHINE CHAIN LUG
Harry M. Morrow, Canton, Ohio, assignor to The Bowdil Company
Application November 4, 1940, Serial No. 364,154
7 Claims. (Cl. 262—33)



3. A reversible mining machine chain lug

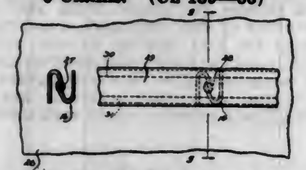
adapted to hold a double-ended rhomboidal bit having end cutting faces comprising, in combination, a reversible bit holder, a chain lug body having a recess to receive the bit holder in a forward or reverse direction, said chain lug body having an angularly disposed set screw threaded opening registering with the recess, said bit holder having an upper bit receiving socket portion and a bit backing portion and having a lower anchoring portion, said bit receiving socket portion having a back wall against which an end cutting face of the bit engages and having lateral side walls embracing but a part of the sides of the bit with the remaining portion of the bit exposed, said backing portion of said bit holder fitting complementarily against a portion of the wall of the recess, said anchoring portion of the bit holder having opposed end wall portions, each diverging downwardly and constituting a surface against which a set screw may engage for drawing the bit holder and a bit therein firmly within the said recess, the exposed face of the bit and the backing portion producing a wedging action within the recess as the bit holder and the bit therein are drawn into the said recess.

2,255,857
HYDRAULIC POWER TRANSMITTER CONTROL
Fred N. Osmun, Houston, Tex.
Application October 4, 1938, Serial No. 233,173
3 Claims. (Cl. 188—96)



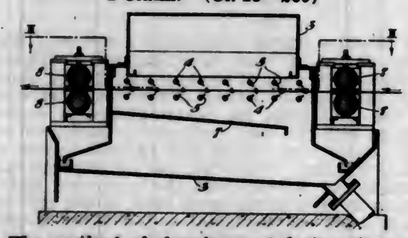
1. A device of the character described comprising an outer tubular member having closed ends which have axially aligned holes therein, an inner tubular part reciprocable through said holes and member, packing between the ends and the tubular part, said outer tubular member being of reduced transverse diameter in one portion thereof, a plunger on the inner tubular part fitted closely in the tubular member and having one end reduced in diameter and adapted to fit closely in the portion of the tubular member having the reduced diameter, said plunger and tubular member being adapted to form closed chambers between the ends of the tubular member and the plunger and also between the plunger and the tubular member intermediate said end chambers, said device having fluid conducting means connecting said chambers through which a fluid may be conducted from the end chambers to the intermediate chamber, means for retarding the flow of the fluid in one direction through said conducting means, and means for allowing free flow of fluid in the other direction through said conducting means.

2,255,858
SECURING MOLDINGS
Bion C. Place, Detroit, Mich., assignor of one-half to George E. Gagnier, Detroit, Mich.
Application February 16, 1938, Serial No. 190,872
6 Claims. (Cl. 189—88)



1. In combination, a supporting structure having an opening, a hollow molding disposed on said structure over said opening, and a spring fastener securing said molding to said structure and including a shank in the form of an elongated loop formed from the mid-portion of a piece of wire and sprung in said opening, said fastener having a head including two widely spaced parallel straight portions disposed at the sides of said shank and formed from the ends of said piece of wire and extending transversely across said molding from one wall to an opposite wall and in firm contact with said walls, said straight portions being perpendicular to said walls.

2,255,859
METHOD OF CLEANING AND DRYING STRIP OR SHEETS
Winfred M. Quigley, West View, Pa., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application April 28, 1939, Serial No. 270,698
1 Claim. (Cl. 15—269)

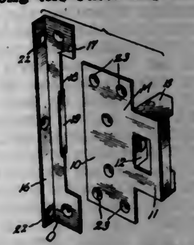


The method of cleaning and drying strip material or sheets which includes passing the same between a pair of squeegee rolls, applying to the surface thereof a film of low pressure wet steam directed at an angle which is countercurrent to its direction of movement, subsequently applying to the strip or sheet a film of high pressure steam at an angle which is countercurrent to its movement, and then passing the strip or sheet between a second pair of squeegee rolls.

2,255,860
DOOR ATTACHMENT
Oscar E. Riedel, Montreal, Quebec, Canada
Application June 28, 1940, Serial No. 343,011
1 Claim. (Cl. 292—340

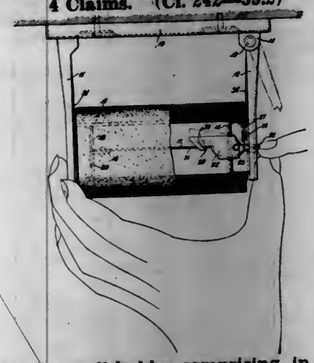
In a guard attachment for doors, a plate, means for fastening the said plate flat against the face of a door jamb, a frame member extending from the outer edge of the plate and co-planar

therewith, a flange struck from the intermediate portion of the frame member disposed to assume a position along the outer edge of the plate and



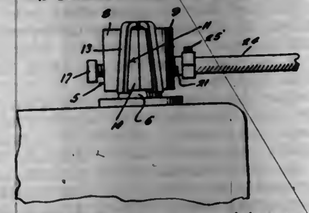
right angular thereto, and flanges extending rearwardly from the end edges and the outer edge of the frame member to reinforce the said member.

2,255,861
PAPER ROLL HOLDER
Glenn A. Shaffer, De Pere, Wis., assignor to Fort Howard Paper Company, Green Bay, Wis., a corporation of Wisconsin
Application November 16, 1938, Serial No. 240,816
4 Claims. (Cl. 242—55.2)



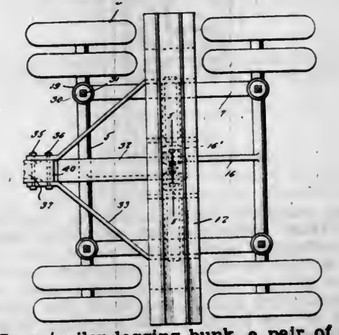
1. A paper-roll holder comprising, in combination: a pair of arms mounted for relative movement toward and from each other; roll holding means carried by said arms; latch means to normally prevent movement of separation of said arms; spring means to hold said arms spaced to a limit preserved by said latch; and means to prevent release of said latch while the arms are so spaced operative because of such spacing.

2,255,862
BATTERY POST CLAMP
Columbus H. Sherrill, Berkeley, Calif.
Application May 13, 1940, Serial No. 334,884
2 Claims. (Cl. 173—259)



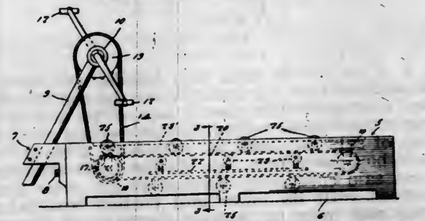
1. A battery post clamp comprising a vertically split sectional cap, radial wings on the split edges of the cap, clips engaging the wings and retaining the sections in assembled position on a battery post, said clips including leg portions disposed against the wings and a flat horizontal connecting portion extending inwardly of the top of the cap and bearing flatwise across the split edges thereof, said flat connecting portion forming a head adapted to be gripped by the fingers of a person for inserting and removing the clip in position on the wings and adjustable spreading means between the post and the cap for clamping the cap on the post.

2,255,863
TRAILER LOGGING BUNK
Charles R. Shuey, La Grande, Oreg.
Application January 2, 1940, Serial No. 312,121
2 Claims. (Cl. 280—106.5)



1. In a trailer logging bunk, a pair of spaced parallel axles having wheels mounted on the ends thereof, a pair of longitudinally extending side frame members overlying said axles and having spring housings at each end, upstanding coil springs in said housings for yieldingly supporting the frame members, axle anchoring bars having the axles journaled thereon and extending parallel with said members beneath the same, said bars having loose connections at one end thereof with said frame members, ball and socket connections between said bars and the lower ends of said springs and supporting the latter adjacent the other ends of the bars, pins extending upwardly from said connections axially through said springs, a transverse rock shaft intermediate said axles supported by said frame members, and a bolster mounted on said shaft.

2,255,864
EXERCISE AND MASSAGE MACHINE
Goebel M. Stephens, Garden City, Mich.
Application July 5, 1940, Serial No. 344,169
6 Claims. (Cl. 272—73)



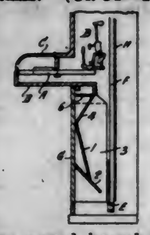
3. An exercising and massaging device comprising a support including a surface against which the body of the subject is applied, a pedal

equipped crankshaft mounted on said support adjacent one end of said surface, pulleys on said support at one side of said crankshaft, a belt trained over said pulleys, massage elements fixed on the outer surface of said belt and adapted to engage the portion of the body of the subject applied to said surface, and an operative connection between said crankshaft and at least one of said pulleys.

2,255,865
PIANO

William Shepherd Watts, London, England, assignor to Monington & Weston, Limited, London, England

Application January 28, 1939, Serial No. 253,430
In Great Britain October 14, 1938
5 Claims. (Cl. 84—194)



1. An auxiliary sound board for use with a piano frame comprising an angularly disposed sound-reflecting panel disposable in front of the piano strings to deflect sound waves upwardly, and end panels, each flaring with respect to the first mentioned panel away from the operative surface of the latter at the marginal edges of said operative surface, and built-in edge pieces at the edges of the first mentioned panel.

2,255,866
JOURNAL BOX LID

Theodore R. Weber, Latrobe, Pa., assignor to American Locomotive Company, New York, N. Y., a corporation of New York

Application April 8, 1941, Serial No. 387,439
4 Claims. (Cl. 308—47)

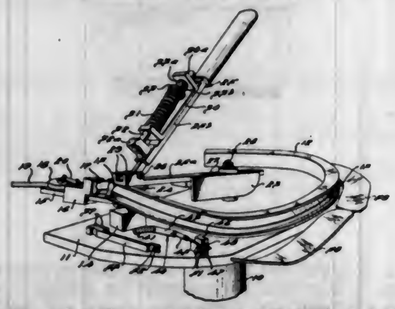


1. A lid for an open face journal box having an orificed cam lug mounted on the top thereof and a lid pintle mounted in said orifice and having end portions extending therebeyond at each side of said lug, said lid comprising a cover for said box open face; an eyeless hood separate from said cover and disposed at the outer face thereof with its lower end portion associated with said cover for support thereby and having at its upper end portion a front wall provided with an inner face for engaging the cam of said lug, a top wall for extending over said lug, and side walls for overlying the ends of said pintle for retaining same in place, said hood and cover cooperating to provide a spring housing; a spring within said housing affording the sole connection between said cover and said hood and between said hood and said journal box, said spring being composed of two energized spring coils disposed at the central portion of said cover; means securing said coils to said cover, each said coil at one end thereof having a branch extending upwardly and looped at its upper end to provide an eye, said eyes being adapted to be rotatably mounted, one on each of said pintle end portions, each said coil further having at its other end another branch extending upwardly to an intermediate portion of said hood; and means securing said other branches at their upper end portions to said hood, thereby, when said spring is mounted on said pintle and said cover is closed, holding said hood spring-pressed upon said cam and said cover spring-pressed upon said box while permitting said hood upper end portion to be swung forwardly, clearing said side walls of said pintle for removing and assembling said pintle.

2,255,867
BENDING MACHINE

William A. Wisckol, Detroit, Mich., assignor to Douglas & Lomason Company, Detroit, Mich., a corporation of Michigan

Application July 22, 1938, Serial No. 220,612
7 Claims. (Cl. 153—46)



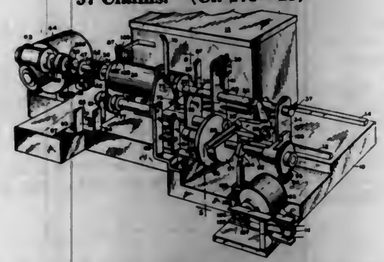
3. In a bending machine, a support, a track member secured to said support and having a peripheral forming channel of a three-dimensional varying curvature, a lever device comprising two portions, a hinge connection between said portions effective to make the lever foldable transversely of said channel but rigid longitudinally thereof, a pivotal connection between one portion of said lever and said support whereby said lever is adapted to swing bodily longitudinally of said channel while rotating at the same time in a plane passing through its pivotal axis, and pressure means associated with the second portion of said lever and adapted to follow the configuration of said channel when said lever is swung about its pivotal axis and to be withdrawn from said channel when said lever is folded.

4. In a bending machine, a head having a peripheral forming channel of a non-circular configuration in plan and of changing vertical curvature, said channel being adapted to receive a member to be bent, a pin fixed to said head substantially perpendicularly thereof, a lever having one end longitudinally slotted, said pin engaging said lever within said slot whereby said lever is adapted when rotated around said pin as an axis to slide thereon longitudinally and transversely of itself with respect to the axis of said pin, means on said lever restricting the longitudinal sliding thereof on the pin to predetermined limits, pressure exerting means carried by said lever and engaging said curved channel and adapted to exert bending force on the member to be bent forcing the same into said channel for bending the member to the shape of said channel, said pressure exerting means being adapted because of the sliding of the rotating lever on the pin to exert the bending force substantially in the direction of the center line of said channel during the entire bending operation, and means attached to the lever and engaging said head during the rotation of said lever along a predetermined path and acting to resist the force exerted by said pressure exerting means.

2,255,868
SYSTEM AND APPARATUS FOR FACSIMILE TELEGRAPHY

Raleigh J. Wise, Dunellen, Garvice H. Ridings, Summit, and Frederic L. O'Brien, Lyndhurst, N. J., and Fernand E. d'Humy, Scarsdale, N. Y., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Application November 13, 1936, Serial No. 110,760
Renewed June 22, 1940
57 Claims. (Cl. 178—13)



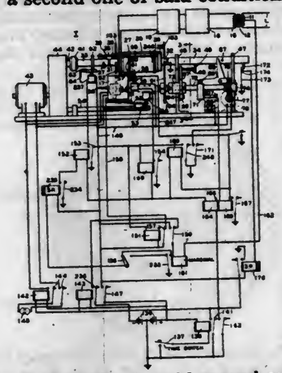
2. In apparatus for facsimile telegraphy, the combination of a copyholder, stationary supporting means for said copyholder, driving means adapted for engagement with said holder when said holder is operatively removed from said supporting means, and automatic means to remove said copyholder from said supporting means and place it in engagement with said driving means.

2,255,869
SYSTEM AND APPARATUS FOR FACSIMILE TELEGRAPHY

Garvice H. Ridings, Summit, and Raleigh J. Wise, Dunellen, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Application March 28, 1939, Serial No. 264,512
23 Claims. (Cl. 178—5)

1. In a facsimile telegraph system, a transmission medium, subject matter to be transmitted, transmitting and receiving apparatus operatively related to the terminals of said medium and utilized respectively to generate and record modulated alternating current signals representative of said subject matter, means for applying a plurality of different direct current voltage conditions to said medium, means for simultaneously impressing said alternating current signals and one of said direct current conditions upon said medium, means controlled by a characteristic of said subject matter for removing one of said direct current conditions from said medium and applying a second one of said conditions thereto,



and means responsive to said second condition to perform control functions of said receiving apparatus.

2,255,870
CHAIR CONSTRUCTION

John B. Adler, Muncie, Ind., assignor to Shwayder Bros. Inc., Denver, Colo., a corporation of Colorado

Application November 24, 1939, Serial No. 305,759½
6 Claims. (Cl. 155—142)



1. A foldable chair construction of the class described, comprising: a pair of spaced-apart front legs; a pair of spaced-apart rear legs; means for pivotally connecting each of said rear legs to a corresponding front leg, adjacent the upper end thereof; a seat member pivotally mounted between said front legs, intermediate the ends thereof; means carried by said rear legs for engaging said seat member and limiting swingable movement thereof in one direction; a toggle connecting each of said rear legs to said seat member; and means engageable by said toggle for limiting swingable movement of said seat member in said direction beyond a predetermined distance.

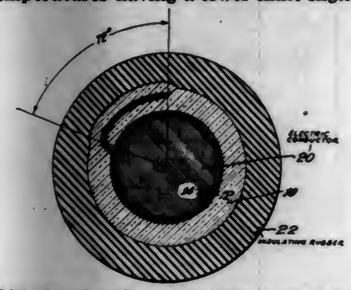
2,255,871
ELECTRICAL CONDUCTOR COATED WITH SEPARATOR STRIP AND METHOD OF MANUFACTURE

Eli Freydberg, New York, John F. McCullough, New Rochelle, and Raymond D. Coldwell, New York, N. Y., assignors to Freydberg Bros., Inc., New York, N. Y., a corporation of New York

Application June 15, 1939, Serial No. 279,264
3 Claims. (Cl. 174—120)

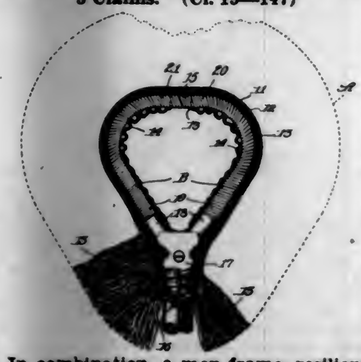
1. An insulated electrical conductor comprising a metallic core, an insulation layer, said layer comprising rubber vulcanized in place on said conductor and separator layer comprising regenerated cellulose which has a low coefficient of

friction with respect to said core and which is bonded to the metallic core by an adhesive, whereby said separator layer is prevented from slipping along said core, said adhesive being plastic only at temperatures having a lower limit slightly be-



low 300° F., whereby said adhesive may be caused to give the bond originally when said rubber is vulcanized in place by said entire conductor being subjected to a temperature higher than slightly below 300° F.

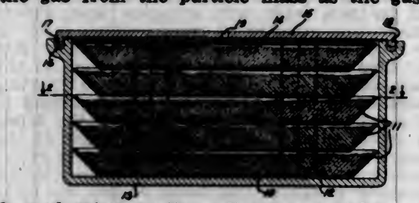
2,255,872
MOP
Warren G. Bailey, Evanston, Ill., assignor to O-Cedar Corp'n, Chicago, Ill., a corporation of Illinois
Application December 8, 1939, Serial No. 308,267
3 Claims. (Cl. 15—147)



1. In combination, a mop frame, resilient elements secured thereto and having outwardly extending free end portions, a strand-equipped mop body equipped with integral sleeve portions adapted to receive said frame end portions, said sleeve portions being separated from each other to provide an opening adjacent the extreme end portions of said resilient elements, and means accessible through said opening for securing said end portions together after they have passed through said sleeves.

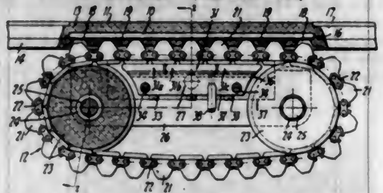
2,255,873
MAGNETIC BODY
Adolph F. Bandur, Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application February 25, 1938, Serial No. 192,485
5 Claims. (Cl. 148—16)

1. A method of treating finely divided magnetic particles to improve the magnetic properties and insulatability thereof which comprises heating a mass of the finely divided particles in a vented container at such a temperature as to generate and drive off deleterious gases, removing the gas from the particle mass as the gas is



formed, subsequently cooling the particles in the container, and removing oxygen from air entering the vented container during the cooling period.

2,255,874
TRAVELING ELECTRICAL CONTACTOR
Burtis W. Benbow, Benbow, Calif.
Application December 10, 1940, Serial No. 369,421
12 Claims. (Cl. 191—22)



1. A traveling contactor for a trolley wire comprising a bus bar mounted for movement parallel to and in spaced relation to the trolley wire, and an endless series of articulated conductor elements mounted for movement between said bus bar and said wire to provide a conducting path therebetween.

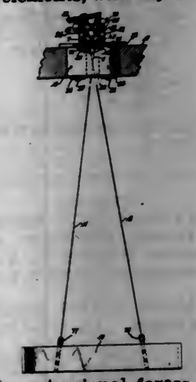
2,255,875
PROCESS OF REFINING VITAMINIFEROUS OILS
Loran O. Buxton, Harrison, N. J., and Eric J. Simons, New York, N. Y., assignors to National Oil Products Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application August 30, 1938, Serial No. 227,600
12 Claims. (Cl. 260—427)

1. In a process of refining fat-soluble vitamin-containing oils the step which comprises subjecting the oil to the action of activated carbon before the removal of all of the free fatty acids present therein.

2,255,876
GRAVITY METER
Dayton H. Clewell and Henry A. Maeder, Dallas, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application March 6, 1940, Serial No. 322,498
14 Claims. (Cl. 265—1.4)

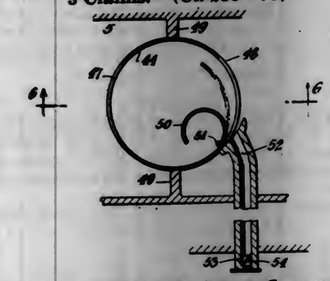
1. An instrument for measuring gravitational force or variations in gravitational force that comprises in combination a support, a torsion head base secured to said support, a V-block torsion head mounted on the torsion head base, said V-block torsion head having bearing grooves therein of substantially V-shaped cross-section, chucks disposed in said grooves, self equalizing and adjusting means for firmly holding the

chucks in the grooves, torsion elements having one of their ends secured to the chucks, and a mass secured to and supported by the free ends of the torsion elements, whereby a rotation of the



chucks to set up torsional forces in the torsion elements will adjust the sensitivity of the mass to vertical components of gravitational force acting upon it.

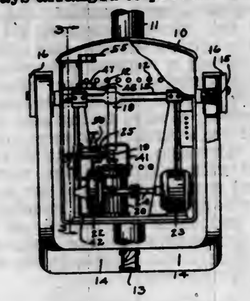
2,255,877
DRAFT REGULATOR
Gustaf Dalén and Georg Karl Vilhelm Johanson, Lidingo, Sweden, assignors to Svenska Aktiebolaget Gasaccumulator, Stockholm, Sweden, a corporation of Sweden
Application June 17, 1937, Serial No. 148,710
In Sweden June 22, 1936
3 Claims. (Cl. 236—93)



1. In a combustion device, a flue, means for heat insulating said flue, a bimetallic thermostatic element disposed in said flue adjacent to an opening therethrough and constructed and arranged so that change in shape of said element due to temperature changes varies its distance from said opening to regulate the flow of gas through the opening, and means for subjecting said element to variable quantities of air at substantially atmospheric temperature.

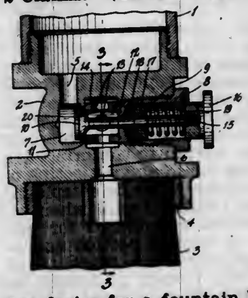
2,255,878
CROSSING GATE LOCK
Morris McD. Dilley, Louisville, Ky., assignor to Associated Manufacturers' Agency, Inc., Louisville, Ky.
Application November 25, 1938, Serial No. 242,195
5 Claims. (Cl. 39—8)

1. In a crossing gate control, the combination with an operating cylinder, a piston in the cylinder, a pump having a reversible intake and discharge flow for supplying fluid to the cylinder to actuate the piston, of an interlocking valve between the pump and the cylinder, said valve having a cylinder, a piston in the cylinder with a fluid receiving space between ends of the piston, a passageway leading from each end of the valve cylinder to the discharge and intake of said pump, a discharge passageway leading from a port in the valve cylinder located to be always in communication with said piston space, said discharge passageway connecting with each of said valve cylinder end passageways, a check valve between said discharge passageway and each of the other passageways arranged to prevent flow from those



passageways into the discharge passageway and permitting reverse flow, a passageway leading from a port in the valve cylinder to one end zone of the operating cylinder, another passageway leading from another port in the valve cylinder to the other end zone of the operating cylinder, said last ports being located to have said valve piston by travel thereof alternately include one of those ports and said discharge port in said piston space to control flow therebetween.

2,255,879
VALVE DEVICE FOR FOUNTAIN BRUSHES
Edward S. Garvey, Clayton, Mo., assignor to Garvey Fountain Brush & Ink Co., St. Louis, Mo., a corporation of Missouri
Application December 2, 1938, Serial No. 243,494
2 Claims. (Cl. 15—138)



1. In a valve device for a fountain brush provided with a main ink reservoir and a brush tip separated from the lower end of said main ink reservoir, a valve housing provided with threaded extensions at its upper and lower margins to connect the lower end of said main ink reservoir to the upper end of the brush tip, said valve housing forming the bottom wall of said main reservoir and having an inlet port at the top in free communicataion with the lower end of the main reservoir from which the ink flows by gravity, an auxiliary ink reservoir being formed at the bottom of said inlet port, said valve housing having a discharge port at the bottom for discharging ink by gravity from said auxiliary ink reservoir to the brush, said inlet port at the top of the valve housing being offset relative to the discharge port at the bottom, a horizonal passageway extending from a side face of the valve

housing to the auxiliary ink reservoir at the bottom of said inlet port, a tubular valve holder screwed into said passageway so as to communicate with said auxiliary ink reservoir and the discharge port, said tubular valve holder having an outer end portion exposed at one side of said valve housing and an inner end portion provided with an annular abutment shoulder firmly seated again an annular portion of said housing in an area at one side of said auxiliary ink reservoir, the opposite side of said auxiliary ink reservoir being closed to confine the ink, said tubular valve holder also having a reduced extension projecting from said annular abutment shoulder and provided with a valve seat at the inner end of said valve holder, a valve facing said closed opposite side of the auxiliary ink reservoir and engaging said valve seat, an operating stem integrally united with said valve and extending to said outer end portion of the tubular valve holder, and an enlarged operating member slidably mounted in said outer end portion of the valve holder and detachably screwed onto the outer end of said stem, so as to detachably secure the valve to said valve holder.

2,255,880

DOOR AND RUNNING BOARD FOR AUTOMOBILES

Eugene T. Gregorie, Grosse Ile, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware

Application December 12, 1938, Serial No. 245,081
11 Claims. (Cl. 296—44)



1. In an automobile, a body, a door hinged thereto to swing outwardly of said body upon a vertical axis, a floor for said body, a running board for said automobile having its upper surface lying in substantially the same horizontal plane as the floor of said body, said door being provided at its lower end with an outwardly flaring portion shaped to conform to the contour of said running board and projecting outwardly and below the same so as to completely encase and shield said running board when said door is in closed position and means for reinforcing said outwardly projecting portion against lateral distortion, comprising a plurality of reinforcing stiffening ribs located at spaced intervals along said flaring portion between the inner and outer sections thereof.

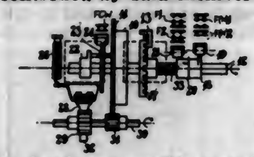
2,255,881

TELEPHONE SYSTEM AND AUTOMATIC SWITCH SUITABLE FOR USE THEREIN

John St. Clare William Graham, Liverpool, England, assignor to Associated Telephone & Telegraph Company, Chicago, Ill., a corporation of Delaware

Application January 8, 1938, Serial No. 183,980
In Great Britain February 1, 1937
27 Claims. (Cl. 179—32)

1. In a telephone substation, a line, a movable member, a local source of energy urging said member in one direction, an escapement for said member controlled over the line to cause said source to move said member step by step, and a circuit controlled by said member only when



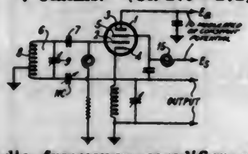
said member has been moved to a particular position by said source.

2,255,882

RADIO FREQUENCY AMPLIFIER

Jarrett L. Hathaway, Manhasset, and Wilbur C. Resides, Jackson Heights, N. Y., assignors to Radio Corporation of America, a corporation of Delaware

Application March 30, 1938, Serial No. 198,838
7 Claims. (Cl. 179—171)



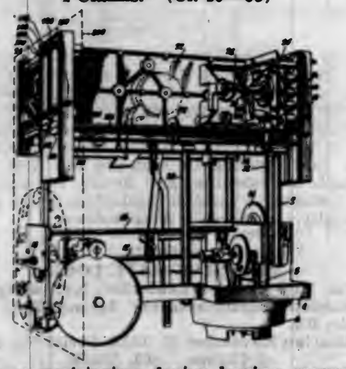
3. A radio frequency amplifier comprising a thermionic discharge tube having an anode, a control grid and a cathode, an input circuit comprising a tapped inductance and a condenser connected across said inductance, one end of said inductance being connected to said grid and said tap grounded, a low impedance output circuit connected between said cathode and ground and a connection including a neutralizing condenser connected between the end of said inductance remote from said grid connection and said cathode.

2,255,883

REGISTER DRIVE FOR DISPENSING PUMPS

Charles S. Hazard, New York, and William L. Marden, Jackson Heights, N. Y., assignors to Neptune Meter Company, a corporation of New Jersey

Application January 27, 1937, Serial No. 122,528
4 Claims. (Cl. 40—63)



1. In a registering device having means defining a plurality of indication display fields disposed in different directions, the combination of sets of targets provided with different indicia per set, each of said display fields being provided with engageable means shiftably mounted adjacent thereto, and means for operatively interconnecting the engageable means of said display fields, the targets of each set being provided with complementary means adapted to be engaged by said engageable means to insure attachment of targets of like indicia to each of said display fields at the same time.

2,255,884

V BELT

Theron L. Hedgpeth, Oak Park, Ill., assignor to Duro Metal Products Company, Chicago, Ill., a corporation of Illinois

Application June 28, 1940, Serial No. 342,871
4 Claims. (Cl. 74—234)



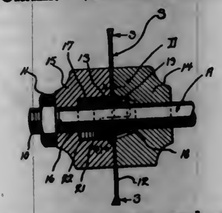
1. A rubber V-belt comprising a substantially trapezoidal rubber body characterized by the absence of reenforcing elements except a plurality of separate cords located adjacent the outer surface of the belt and separated from each other by parts of the rubber body, said belt being provided with a fabric wearing surface extending over its inner face and both of the working sides of said belt and about the outer corners to the outer face of the belt, and the edges of said fabric being sealed by the application of an additional strip of live resilient rubber vulcanized over the fabric at the outer face thereof, said belt having an additional layer of fabric located under the first-mentioned layer and extending over the working sides and inner face of said belt.

2,255,885

DEVICE FOR SECURING SAWS AND OTHER APPLIANCES TO ARBORS

Robert L. Herbst, Hortonville, Wis., assignor of one-half to Charles J. Steidl, Hortonville, Wis.

Application September 5, 1939, Serial No. 293,459
1 Claim. (Cl. 143—155)



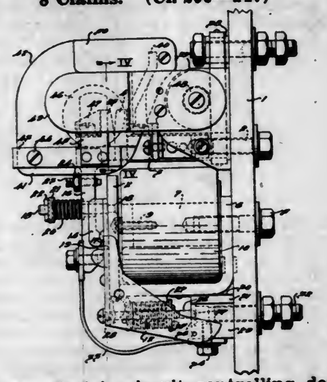
A device for securing saws and other appliances upon arbors comprising, a rigid block adapted to be secured to the arbor, a movable block adapted to be slidably mounted upon the arbor toward and away from the first-mentioned block for clamping a saw or other appliance on the arbor, each of said blocks having axial chambers formed therein in their adjacent faces, one of said chambers being internally threaded, a centering cone threaded in said last-mentioned chamber and movable into and out of the other chamber, said cone being adapted to snugly engage the wall or center opening of a saw or other appliance, said internally threaded chamber being provided with a keyway, and said cone having a series of grooves for the reception of a tool to facilitate the turning and adjustment of the cone, the turning of the cone alining a selected groove with the keyway, a key removably fitted in the keyway and such selected groove, and means for holding the movable block in tight contact with the saw or other appliance.

2,255,886

ELECTRIC SWITCH

William John Hudson, Milwaukee, Wis., assignor to Square D Company, Detroit, Mich., a corporation of Michigan

Application December 10, 1938, Serial No. 245,011
8 Claims. (Cl. 200—147)



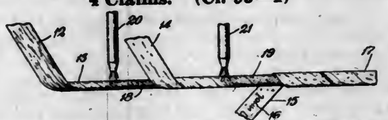
1. In an electric circuit controlling device, a pair of contacts, means to move one of said contacts relative to the other to effect opening and closing, an arc chute disposed about said contacts, a blowout coil to produce a magnetic flux about said contacts to effect a blowing out of any drawn arc, and a low reluctance magnetic path provided by a generally U-shaped magnetic circuit so disposed about the contacts as to produce a distortion downwardly of at least some of the normally horizontal lines of force adjacent to the contacts so as to bias the drawn arc to the center of the arc chute.

2,255,887

PAPER ROD AND THE METHOD OF CONSTRUCTING THE SAME

Morris Katz, Bronx, N. Y.

Application June 29, 1939, Serial No. 281,783
4 Claims. (Cl. 93—1)



1. An elongated strand-like body of rigid characteristics comprising a kraft paper core, a spiral casing arranged directly upon and adhered to the core, an outer spiral jacket arranged upon said casing and adhered thereto, said jacket being composed of water-proof material, and a metallic core element disposed and housed within said paper core.

2,255,888

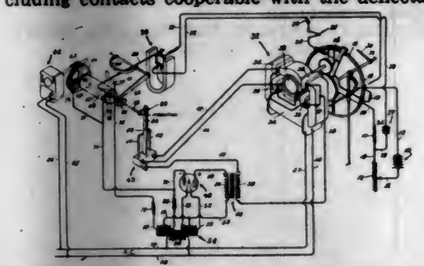
MEANS FOR INDICATING AND/OR RECORDING UNKNOWN QUANTITIES

Manfred J. Johnson, Naugatuck, Conn., assignor of one-half to The Lewis Engineering Company, Naugatuck, Conn.

Application October 17, 1936, Serial No. 106,085
13 Claims. (Cl. 172—239)

2. In a potentiometer system, an adjustable

slide wire; means for adjusting the slide wire, including an electro-responsive means operative in reverse directions; control circuits, for controlling the direction of operation of said means; an electron discharge system connected with said control circuits, for causing operation of the electro-responsive means; a galvanometer connected in circuit with the slide wire; means including contacts cooperable with the deflectable



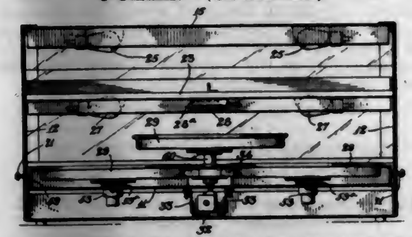
member for controlling the functioning of the electron discharge system in response to deflection of the galvanometer; and circuit control means connected in said control circuits, and automatically operative with the last-mentioned means, for causing the electron discharge system to operate the electro-responsive means in one direction or the other, depending on the direction of deflection of the galvanometer, so as to adjust the slide wire.

2,255,889

MERCHANDISE DISPLAY ARRANGEMENT

Paul M. Kleinwachter, Chicago, Ill.

Application February 3, 1940, Serial No. 317,061
3 Claims. (Cl. 211—1.6)



1. A merchandise display arrangement of the character described comprising, in combination, a stationary base structure, a plurality of carriers rotatably mounted on individual fixed axes over said base structure, and driving means common to all of said carriers for rotating said carriers simultaneously, said means being concentric with one of said carriers and including driving connections enabling stopping of any selected carrier without interfering with the continued rotation of the remaining carriers, said one carrier being located above and in overlapping relation to the other two carriers.

2,255,890

FLOOR COVERING MANUFACTURE

Richard G. Knowland, Pelham, N. Y., assignor to Bigelow-Sanford Carpet Co. Inc., Thompsonville, Conn., a corporation of Massachusetts

Application December 22, 1938, Serial No. 247,283
5 Claims. (Cl. 28—1)

1. The method of cementing together the component parts of a pile fabric floor covering which consists in interweaving with the non-plastic warps and weft of the backing fabric warp threads of plasticizable material to dispose the latter contiguous to the pile tuft loops, treating the woven fabric to plasticize the said plasticizable material to cause it to flow into the inter-



stices between the bights of the tuft loops and the warp and weft threads, and subsequently hardening the plasticized material whereby the warp and weft threads and the bights of the tuft loops are securely cemented together and raveling of a cut edge is prevented.

2,255,891

PLASTIC AND METHOD OF MAKING THE SAME

Joseph N. Kuzmick, Passaic, and Lamar S. Hilton, Bloomfield, N. J., assignors to Raybestos-Manhattan, Inc., Passaic, N. J., a corporation of New Jersey

No Drawing. Original application April 28, 1936, Serial No. 76,756. Divided and this application February 2, 1938, Serial No. 188,318
8 Claims. (Cl. 260—42)

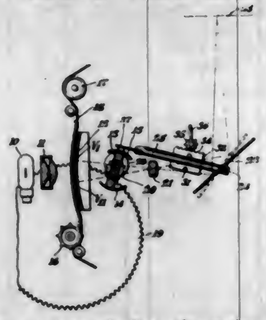
1. A plastic comprising a co-polymer of an incompletely polymerized chloroprene and a synthetic resin, the synthetic resin acting to controllably reduce the elongation or stretch of the chloroprene.

2,255,892

MOTION PICTURE APPARATUS

Jacob F. Leventhal, New York, N. Y., assignor to Leventhal Patents, Inc., New York, N. Y., a corporation of Delaware

Application October 2, 1940, Serial No. 359,332
6 Claims. (Cl. 88—16.8)



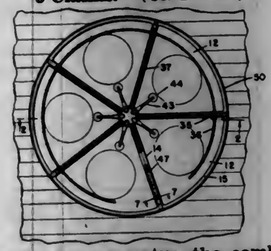
1. In a device of the character described, means for feeding motion picture film at uniform linear speed, rotatable plane-parallel refracting means arranged and adapted upon rotation in timed relation with the movement of the film to produce two successive stationary spaced virtual images of a luminous point on the moving film, means to rotate said refracting means in timed relation with the movement of said film, a lens for producing real images of said spaced virtual images, a pivoted reflector interceptive of light from said lens and rockable between two positions, and means actuated in timed relation with said refracting means for rocking said reflector between said positions and maintaining said reflector in each position for a predetermined period.

2,255,893

COMPARTMENT SHOWER

Howard G. Mullett, Milwaukee, Wis., assignor to Bradley Washfountain Company, Milwaukee, Wis., a corporation of Wisconsin

Application July 25, 1938, Serial No. 221,088
3 Claims. (Cl. 4—145)



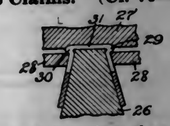
1. In a shower apparatus, the combination of a base formed of individual sector-shaped basins arranged in abutting relation, the fronts of said basins being recessed at their adjoining edges, metal covering strips extending over the abutting sides of said basins and through said reccesses at the fronts of said basins, a metal band surrounding the assembled basins, the lower ends of said strips at the fronts of said basins being secured to said band, and a common drain into which said basins discharge.

2,255,894

METHOD OF FORMING THE SHEARING HEADS OF DRY SHAVERS

Joseph Ormond, Newark, N. J., assignor to Schick Incorporated, a corporation of Delaware

Application July 15, 1939, Serial No. 284,623
5 Claims. (Cl. 76—104)



1. A method of forming shearing heads of dry shavers comprising the provision of a blank of sheet metal, piercing said blank to form a series of parallel slots within the limits of said blank, the aforesaid piercing providing slots that are oversize, then swaging the pierced blank to reduce the thickness thereof and to taper the material at the side walls of the slots whereby the slots are reduced in width at the bottom to the desired size and forming blades between the slots, then bending the blank within the slotted portion and near the ends of the slots and forming side walls within the longitudinal dimension of the slotted portion, whereby an overhanging comb portion is produced, said comb portion having tapered entrances between the blades.

2,255,895

WORKABLE NICKEL AND NICKEL ALLOY

Leonard Bessemer Pfeil, Edgbaston, Birmingham, England, assignor to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Original application October 6, 1936, Serial No. 104,179. Divided and this application April 25, 1939, Serial No. 269,912. In Great Britain October 15, 1935
6 Claims. (Cl. 75—171)

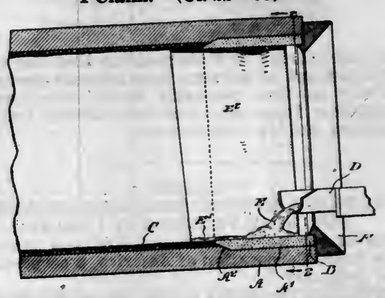
6. A nickel-base alloy containing from about 0.01% to about 0.2% of alkaline earth metal, about 0.01% to about 0.25% of at least one element from the group consisting of phosphorus, arsenic and antimony, and characterized by high workability compared to a similar alloy free from phosphorus, arsenic or antimony.

2,255,896

PROCESS FOR THE PRODUCTION OF CENTRIFUGAL CASTINGS

Heinrich Projahn, Gelsenkirchen, Germany, assignor to United States Pipe and Foundry Company, Burlington, N. J., a corporation of New Jersey

Application November 15, 1938, Serial No. 240,495
In Germany November 20, 1937
1 Claim. (Cl. 22—65)



The process for the production of centrifugal casting, especially centrifugally cast pipes, in moulds provided with a lining of granular refractory material distributed by centrifugal effect, consisting in introducing the lining into the mould in loose dry state, securing the granules in their relative positions by rotating the mould at such speed that said granular material offers the necessary resistance against the washing away forces of the inflowing metal, pouring the metal into said lined mould in a progressively advancing spiral stream extending throughout the length of the mould, and forming the casting while maintaining said mould at a speed sufficient for insuring the firm adhesion of the granules of the lining and the uniform distribution of the metal, the metal being poured initially directly onto a rigid ring of refractory material provided at one end of the mould and having an internal diameter and rotational speed equal to that of said lining, whereby to cause the metal poured onto said ring to flow onto said granular lining with a creeping action only and thereby minimize the washing away effect of such metal on said granular lining.

2,255,897

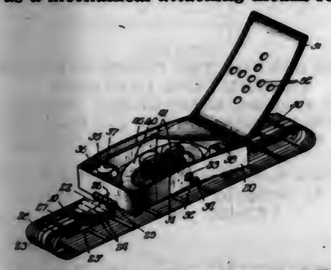
MEANS FOR RADIO COMMUNICATION

Andrew N. Rebori and James P. Hume, Chicago, Ill.; said Hume assignor to said Rebori

Application December 24, 1937, Serial No. 181,570
1 Claim. (Cl. 250—14)

A complete, self-contained and portable radio receiving device adapted to be attached to and completely carried on the wrist of the user, and comprising a housing constructed and shaped to be held on the wrist, earphone means, detecting means and tuning means mounted in said housing, and manually operable means extending from said housing in a position accessible for operation by the user in a manner similar to the winding stem of an ordinary wrist watch, said manually operable means being connected to

said tuning means for selectively adjusting the same, and antenna means in the form of a wrist strap attached to said housing and being adapted to surround the wrist of the user and thereby to serve as a mechanical attaching means for hold-



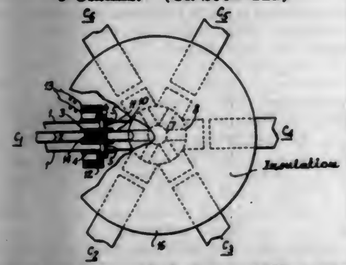
ing said housing in such position that the user, by movement of his arm, may lift said device to his ear so that relatively weak sound waves emanating from said earphone means may be rendered audible to said user.

2,255,898

JUNCTION AND SWITCHING ARRANGEMENT FOR HIGH FREQUENCY CABLES

John Glover Robb, Richmond, England, assignor to Radio Corporation of America, a corporation of Delaware

Application November 1, 1938, Serial No. 238,190
In Great Britain November 18, 1937
9 Claims. (Cl. 200—111)



1. An arrangement for connecting one high frequency cable to another comprising a pair of sleeves constituting electrical continuations of the conductors of said one cable, said sleeves being axially along said one cable and adapted in their extended position to engage corresponding conductors from said other cable and means for simultaneously extending said sleeves and means for retracting said sleeves.

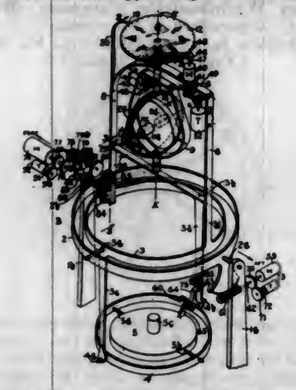
2,255,899

GYROSCOPIC COMPASS

Elliott P. Ross, Forest Hills, N. Y., assignor to Ford Instrument Company, Inc., Long Island City, N. Y., a corporation of New York

Application January 11, 1939, Serial No. 250,287
5 Claims. (Cl. 33—226)

1. In a gyroscopic compass, the combination of a stabilizing gyro-vertical adapted to maintain a horizontal plane, a universally mounted frame, power-driven follow-up means controlled by said gyro-vertical for driving said frame in accordance with the position of the gyro-vertical to maintain said frame horizontal, a compass gyroscope pivoted for three degrees of freedom in said frame, a ring mounted in said frame adapted to angular movement about a vertical axis, and precession-inducing means connected to the ring and to the gyroscope adapted to restore the axis of said gyroscope to the meridian



plane upon angular movement of the gyroscope relative to the frame, due to the departure of the gyroscope axis from the meridian plane.

2,255,900

REFRIGERATOR CAR STRUCTURE

Edgar E. Schlesinger, Chicago, Ill., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill., a corporation of Delaware

Application July 20, 1938, Serial No. 220,226
6 Claims. (Cl. 105—411)



1. In a refrigerator car having a longitudinally extending sill, spaced apart substantially vertical corner posts, a horizontally corrugated end wall sheet extending therebetween and secured thereto, spaced apart side walls, a bulkhead extending between said side walls in spaced relation to the end wall sheet to provide a refrigerant chamber therebetween in combination with a substantially horizontal beam nesting in a corrugation of the end wall sheet, means to secure said beam to said sill, a brace secured to said bulkhead, and means interposed between said brace and said sill to transmit horizontal forces from said brace to said beam.

2,255,901

METHOD OF PRODUCING GLAZED CHINTZ

Paul C. Schroy, Darien, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application April 5, 1939, Serial No. 266,136
2 Claims. (Cl. 91—70)

1. A process of preparing glazed chintz which comprises treating a chintz material with a sufficient amount of an aqueous solution including a triethanolamine salt of phthalic acid as an accelerator of the delayed action type and a thermosetting resin containing the condensation products of formaldehyde with melamine to provide a concentration of resin solids in the treated

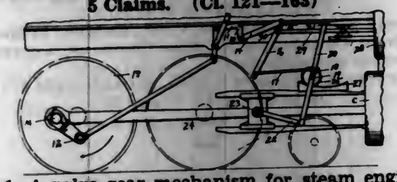
cloth between about 5% and 25% by weight, adjusting the moisture content to about 5–15%, glazing the material and curing the thermosetting resin with heat.

2,255,902

AUXILIARY VALVE GEAR FOR LOCOMOTIVES

Harry J. Sherrill, Youngstown, Ohio

Application January 2, 1940, Serial No. 311,974
5 Claims. (Cl. 121—163)



1. A valve gear mechanism for steam engines having a driven rotatable member, a driven reciprocable member, and a steam admission and exhaust valve, comprising a combination lever, deriving motion at its lower end portion from said reciprocable member and at its upper end portion from said rotatable member, and means including a pivot rod, a pinion gear engaging a rack providing a connection between the said lower end of the combination lever and the said reciprocable member, said means adapted to impart a modified movement to the said combination lever so as to reduce the effective movement of the combination lever during a portion of its travel and to increase the effective movement thereof during another portion of its travel.

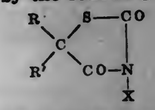
2,255,903

5,5-DISUBSTITUTED-2,4-THIAZOLIDIONES, AND PROCESS OF MAKING THEM

Horace A. Shonle and Wilbur J. Doran, Indianapolis, Ind., assignors to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana

No Drawing. Application July 25, 1938, Serial No. 221,232
30 Claims. (Cl. 260—302)

1. A 5,5-disubstituted-2,4-thiazolidione which is represented by the following formula:



in which R and R′ represent hydrocarbon groups of which at least one is a primary group, and each of which contains from 2 to 6 carbon atoms and has a carbon atom directly attached to the methylene carbon of the thiazolidione nucleus and to not more than two other carbon atoms, and in which the sum of the carbon atoms of R and R′ does not exceed 10; and X represents a member of the class consisting of hydrogen, an alkali metal, a stoichiometric equivalent of an alkaline-earth metal, ammonium, mono-alkyl ammonium, dialkyl ammonium, alkanol ammonium, and an equivalent of an alkylene diammonium.

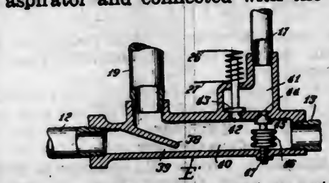
2,255,904

SUCTION-VAPOR HEATING SYSTEM

William M. Smith, Chicago, Ill., assignor to Vapor Car Heating Company, Inc., Chicago, Ill., a corporation of New York

Application July 26, 1939, Serial No. 286,544
1 Claim. (Cl. 237—6)

In combination with a radiating unit, and feed and return pipes leading thereto and therefrom an aspirator comprising a Venturi passage and a chamber beyond the venturi, supply and discharge pipes connected to the respective ends of the aspirator for delivering a flow of steam through the Venturi passage and chamber, the return pipe discharging into the aspirator chamber adjacent the venturi, a feed-chamber positioned above the discharge end portion of the aspirator and connected with the aspirator



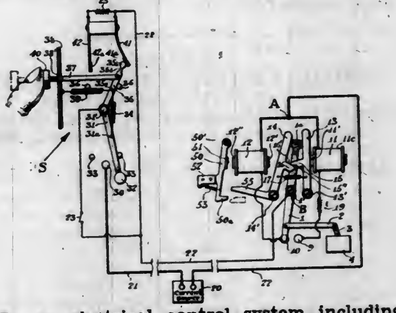
chamber through a steam port, a cut-off valve controlling the port, the feed-pipe leading from the feed chamber, a drain port between the feed chamber and the aspirator chamber, a thermostatic element positioned within the aspirator chamber in the path of the steam flow, and a valve member carried by the thermostatic element and closing the drain port when the thermostatic element is expanded in the presence of steam.

2,255,905

ELECTRICAL CONTROL

Richard M. Somers, West Orange, and Charles T. Jacobs, New Providence, N. J., assignors to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey

Application April 6, 1939, Serial No. 266,338
18 Claims. (Cl. 175—335)



1. In an electrical control system including means operable to supply currents at two different voltages through a common conductor: the combination of an electromagnetic assembly supplied with said currents, said assembly comprising a pair of electromagnetic devices and means for alternating the supply of current thereto; a movable system electromagnetically operated between respective positions by said devices; and means, comprised in said assembly, for rendering each of said devices ineffective to operate said system when supplied with current at a respective one of said two voltages.

2,255,906

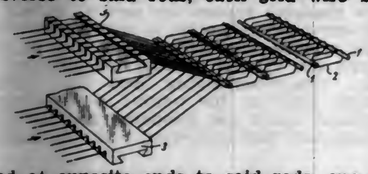
GRID

Stanton Umbreit, West Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application June 27, 1940, Serial No. 342,599
5 Claims. (Cl. 250—27.5)

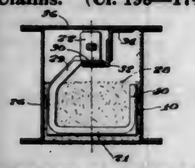
1. A grid comprising two spaced parallel side

rods, a plurality of individual parallel grid wires transverse to said rods, each grid wire being



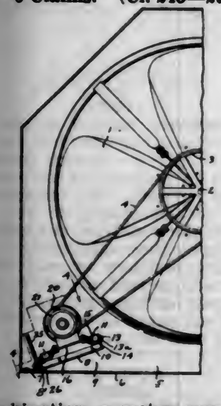
joined at opposite ends to said rods, one grid wire having greater heat conductivity than the next adjacent wire.

2,255,907
CONVEYER
Clarence Adamson, Aurora, Ill., assignor to Redler Conveyor Company, Quincy, Mass., a corporation of Massachusetts
Application May 15, 1940, Serial No. 335,274
8 Claims. (Cl. 198—174)



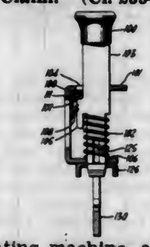
1. For use in a conveyer for conveying flowable solid material, having a casing, a conveying element traversable therethrough, said conveying element comprising a plurality of connected units each comprising an open flight member extended transversely of the casing and a tension link disposed above and substantially centrally of the flight member.

2,255,908
RESILIENT MOTOR SUPPORT AND BELT-TIGHTENING APPARATUS
Edward L. Anderson, Detroit, Mich., assignor to American Blower Corporation, Detroit, Mich., a corporation of Delaware
Application January 10, 1939, Serial No. 250,249
6 Claims. (Cl. 248—23)



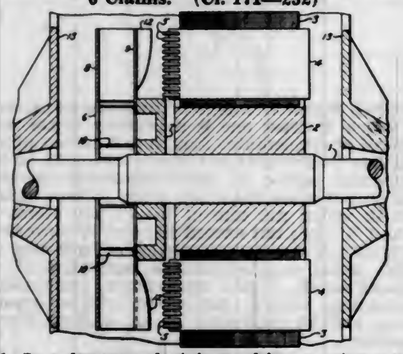
1. In combination, a motor support having a flange at one end and adjusting means at the other end, a motor for driving a belt and a motor platform having flanges at each end, rubber blocks bolted on each end of said flanges of the motor platform, and means to bolt some of those blocks to said support flange and other of said blocks to said adjusting means, the bolts in each of said blocks being so arranged that said bolts are separated by said rubber blocks, said adjusting means adjustably supporting the adjustable end of said motor platform in order to tighten the belt by pivoting said platform about the blocks secured to said support.

2,255,909
CALCULATING MACHINE
Harold T. Avery, Oakland, Calif., assignor to Marchant Calculating Machine Company, a corporation of California
Application October 7, 1936, Serial No. 104,471
1 Claim. (Cl. 235—145)



In a calculating machine, a key section comprising a channel member having aligned upper and lower slots formed in the flanges thereof with the upper slot of greater length than the lower, a plurality of flat key stems movable in said slots and each formed intermediate its ends with an extension, and means for retaining said stems in the member comprising a single removable retainer secured within said member in position for engagement by said extension.

2,255,910
BLOWER FOR FIELD COILS
René A. Baudry, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 24, 1937, Serial No. 176,266
6 Claims. (Cl. 171—252)



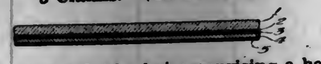
1. In a dynamo-electric machine, a rotor member having a plurality of salient pole pieces thereon, a blower mounted on the rotor member adjacent the ends of said pole pieces for forcing a ventilating gas through the machine, said blower having annular shroud rings and a plurality of generally radial blades secured between the shroud rings to discharge the gas radially through the peripheral opening between the rings, the shroud ring closest to said pole pieces having a plurality of openings at its outer periphery through which the ventilating gas is discharged into the space between the blower and the pole pieces at relatively high velocity with respect to the pole pieces, and deflector elements on said shroud ring adjacent each of the openings and arranged to direct the gas discharged through the openings to cause it to flow circumferentially in the space between the blower and the pole pieces and axially between the pole pieces.

2,255,911
GRADE CROSSING GUARD
George C. Burnison, Portland, Oreg.
Application May 2, 1938, Serial No. 205,529
3 Claims. (Cl. 39—6)



1. In a grade crossing guard, the combination of a retractible barrier which can be raised as an obstruction in the way of vehicular traffic in a roadway, a prime mover for raising and lowering said barrier and gearing interposed between said prime mover and said barrier, said gearing comprising a speed reduction gear, a pair of elliptical gears, and a connecting rod for lifting said barrier, the elliptical gearing rotating in a one to one ratio with the cycle of raising and lowering said barrier and angularly placed relative to said connecting rod to cause said barrier to be raised at one speed and to be lowered at a different speed.

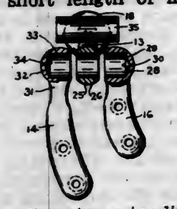
2,255,912
HECTOGRAPH BLANKET HAVING A COPY MASS CONTAINING A SMALL PERCENTAGE OF GLYCOL TYPE OR SORBITOL TYPE SOLVENT
William J. Champion, Berwyn, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application June 26, 1940, Serial No. 342,447
5 Claims. (Cl. 41—31.6)



1. A hectograph blanket comprising a backing, a copy mass secured to one side of the backing and cellulose ester lacquer on the other side of said backing, said copy mass comprising gelatin, glycerin, water, and from one-half to five percent of a substance selected from the group consisting of glycols, glycol ethers, and sorbitol.

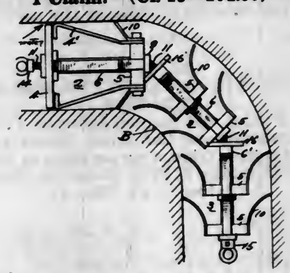
2,255,913
TOILET SEAT HINGE
James B. Coggins, Meriden, Conn.
Application April 24, 1940, Serial No. 331,429
1 Claim. (Cl. 4—236)

In a double hinge for a closet bowl seat and cover, a post adapted to be secured to the closet bowl, a short leaf adapted to be secured to said seat, a long leaf adapted to be secured to said cover, and a strong, stiff thin-walled hinge tube comprising a short length of metal tubing of



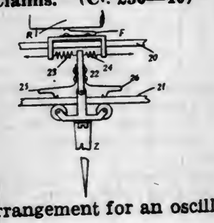
relatively large diameter extending through said post and having its ends seated in sockets formed on said long and short leaves which are located on opposite sides of said post.

2,255,914
PIPE SCRAPING TRAIN
Hubert R. Crane, Los Angeles, Calif.
Application August 3, 1940, Serial No. 350,531
1 Claim. (Cl. 15—104.06)



A pipe scraping train having, in combination, a central sleeve and a flexible skein rove in the sleeve and on which the sleeve is free to slide and to turn, a discal plate fixed on and projecting about one end of the sleeve and constituting a fulcrum element, a plurality of spaced collars fixed on the sleeve and spaced from the said plate and having bore surface scrapers to centralize the sleeve in a bore and said collars having water flow holes from face to face, and a sleeve in the train having a piston head for hydraulic propulsion of the train; the leading collar on each sleeve being concaved and having a forward hub forming a seat on which the plate of the next forward fulcrums and is adapted to tilt into the frontal concaved face of the adjacent collar; whereby to facilitate a short angle flex of the train.

2,255,915
TUNING ARRANGEMENT
Leon Ladislas de Kramolin, Berlin-Kladow, Germany
Application April 22, 1938, Serial No. 203,688
In Germany April 27, 1937
8 Claims. (Cl. 250—40)



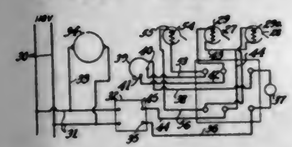
1. Tuning arrangement for an oscillatory elec-

tric circuit comprising an alternating current impedance which changes in value in response to a variable energizing bias applied thereto, said impedance being such that there is a lag between the change in impedance with respect to the change in bias, manually operated regulating means for varying the bias applied from said source to said alternating current impedance for tuning the oscillatory electric circuit to different frequencies, an indicating means, means for producing an electric current in accordance with the adjusted value of the alternating current impedance, and means for conducting said electric current to operate the indicating means.

2,255,916
ETHERS OF GLYCEROL
George L. Doelling, St. Louis, Mo.
No Drawing. Application April 4, 1938, Serial No. 199,862
5 Claims. (Cl. 167—22)

1. An antiseptic and detergent solution comprising a mono-amyl ether of glycerine and water, the mono-amyl ether of glycerine being over five per cent by volume of the solution.

2,255,917
AUTOMATIC AIR SHUTTER FOR OIL BURNERS
Harold B. Donley and Samuel Johnson, Columbus, Ohio, assignors to Columbus Metal Products Inc., Columbus, Ohio, a corporation of Ohio
Application May 9, 1938, Serial No. 206,800
8 Claims. (Cl. 236—1)



7. In oil burning apparatus of the type having a combustion vessel, means for feeding liquid fuel to said vessel, continuously operated means for delivering air to said vessel, valve means for controlling the flow of fuel through said feeding means, said valve means normally permitting sufficient fuel flow to operate said apparatus at a low stage, means for governing the quantity of air delivered to said vessel, said means normally providing sufficient air flow to convert the normal fuel flow to a combustible mixture, thermo-responsive means connected with said valve to move the same to open positions to increase the flow of fuel to said vessel, additional thermo-responsive means connected with said air flow governing means, and thermostatic switch means connected in circuit with said thermo-responsive members, said switch means being operable to effect the opening of said valve independently of and simultaneously with the opening of said air flow governing means.

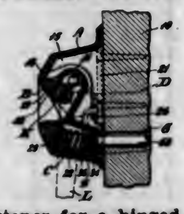
2,255,918
WELL PUMP
Harold R. Downs, Tulsa, Okla.
Application February 16, 1940, Serial No. 319,341
8 Claims. (Cl. 103—5)

1. In an oil lifting apparatus comprising a gas driven motor having a shaft for driving a rotary pump, means providing communication between the discharge side of the motor and the oil being pumped, and means mounted on the motor shaft and cooperating with the communicating means to allow periodic thrusts of motor discharge gas



into the oil stream to cause a frothy mixture of gas and oil.

2,255,919
DOOR FASTENER
William M. Dwyer, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application February 14, 1940, Serial No. 318,905
10 Claims. (Cl. 70—145)

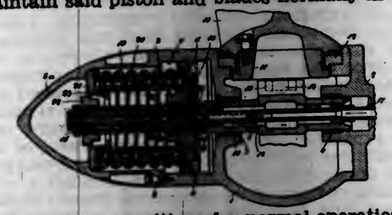


4. In a fastener for a hinged door of a container, the combination with a keeper engaging crank member mounted on the door; of a yieldingly mounted slotted keeper with which said crank member is engageable to pry the door open or force the same tightly closed, when said crank member is rotated in reverse directions, said crank member having camming engagement with the keeper when said door is slammed shut to force said keeper to yield and permit engagement of said crank member within the slot of the keeper; and a key-controlled plunger lock engageable with said keeper to lock the same against rocking movement, and having a portion projecting into the path of movement of said crank member to lock the latter against rotation in door opening direction.

2,255,920
SHIP PROPELLER HAVING ROTATABLE BLADES
John Elov Englesson, Kristinehamn, Sweden
Application January 12, 1938, Serial No. 184,513
In Sweden February 1, 1937
1 Claim. (Cl. 170—163)

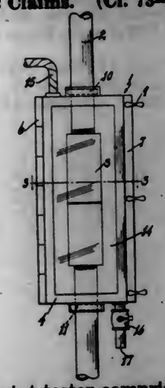
In an adjustable propeller blade assembly, a hollow shaft, a hub surrounding the end thereof and having a removable end cap, blades rotatably mounted in said hub, a sleeve having a piston secured thereon and slidable on said shaft, connections between said sleeve and said blades to rotate the latter, said piston being mounted to reciprocate in a cylindrical chamber in said hub,

said chamber having a removable end wall seated in said cap, a helical spring positioned in said cylindrical chamber with a slight clearance between the two and confined between said piston and said removable end wall to thereby tend to maintain said piston and blades normally in one



of two extreme positions for normal operation of the propeller, and valve means admitting a non-corrosive fluid under pressure from said hollow shaft to said cylindrical chamber to move said piston one way or the other, said spring being continually immersed in said non-corrosive fluid to prolong the life thereof.

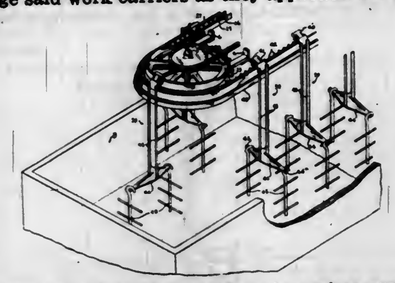
2,255,921
PIPE JOINT TESTER
Chester A. Fear, Long Beach, Calif.
Application March 17, 1939, Serial No. 262,436
2 Claims. (Cl. 73—51)



1. A pipe joint tester comprising a pair of sections, means hingedly mounting the sections along one vertical edge thereof, latch means on the swinging edges of the sections, a transparent pane in the side of each of the sections, an intake pipe extending into one of the sections, an outlet pipe extending from one of the sections, a valve in the outlet pipe, the packing means in the tester at the top and bottom thereof, said packing means surrounding the pipe, and packing means on the hinge and swinging edges of the sections.

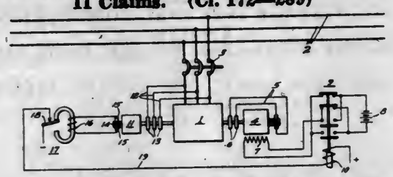
2,255,922
RETURN-TYPE FAST TRANSFER MACHINE
Victor Finston, Chicago, Ill., assignor to The Meaker Company, Chicago, Ill., a corporation of Illinois
Application November 12, 1938, Serial No. 240,183
16 Claims. (Cl. 204—202)

3. In combination in an electroplating machine of the return type, a frame, an electrolyte plating tank arranged beneath said frame, endless conveying means arranged on said frame, a plurality of work carriers mounted on said conveying means and arranged to be moved through said tank, and rapid end transfer means comprising rotatable arm means which are adapted to engage said work carriers as they approach the end



of said tank for moving said work carriers around the end of said tank independently of and disengaged from said endless conveying means.

2,255,923
STARTING MEANS FOR SYNCHRONOUS MOTORS
Samuel B. Griscom, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 12, 1938, Serial No. 224,514
11 Claims. (Cl. 172—289)

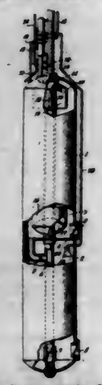


1. In combination with a synchronous motor which is adapted to be started as an induction motor, an exciter for supplying direct current field excitation to the motor, means for generating an alternating current of frequency equal to the slip frequency of the motor while it is running as an induction motor, means for reversing the direction of the current supplied by the exciter, and a polarized relay energized by said alternating current and connected to effect operation of said reversing means.

2,255,924
PNEUMATIC DISPLACEMENT PUMP
Louis Hegy, San Jose, Calif.
Application April 6, 1940, Serial No. 328,360
5 Claims. (Cl. 103—238)

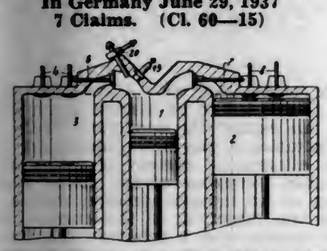
1. A pneumatic displacement pump comprising, a pair of pressure chambers having check-valved inlets, a discharge pipe having check-valved inlets from said chambers, a main piston valve cylinder, a conduit leading from each chamber to longitudinally spaced ports in said cylinder, an exhaust conduit and a compressed-air supply conduit leading to other spaced ports in said cylinder, a piston valve mounted in said cylinder with heads disposed thereon to form pressure chambers in the cylinder ends and to alternately place the first two conduits into communication with the compressed- air supply conduit and the exhaust conduit when moved axially, a second piston valve cylinder having ports formed therein connected, respectively, with the end pressure chambers in the main cylinder, with the compressed-air conduit, and with the atmos-

phere, a piston valve mounted therein with heads disposed thereon to alternately connect each port connected to an end pressure chamber with the atmosphere and with the compressed-air



conduit, and a float mounted in one of said first mentioned pressure chambers and operatively connected to said last mentioned piston valve to actuate the same.

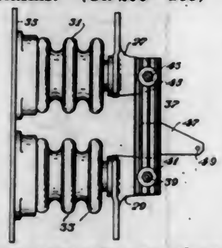
2,255,925
MULTISTAGE INTERNAL-COMBUSTION ENGINE
Christian Wilhelm Paul Heylandt, Berlin-Britz, Germany
Application June 21, 1938, Serial No. 214,920
In Germany June 29, 1937
7 Claims. (Cl. 60—15)



1. A two stroke cycle compound expansion internal combustion engine comprising a compression cylinder, a combustion cylinder in which combustion and primary expansion take place, a secondary expansion cylinder, a piston for each of said cylinders having a connecting rod, a crank-shaft having separate cranks to which said connecting rods are operatively connected, the compressor crank leading the combustion cylinder crank by 120 degrees, and the secondary expansion cylinder crank lagging the combustion cylinder crank by 120 degrees, a passage for air compressed in said compressor cylinder, having communication with said combustion cylinder, means controlling communication between said compressed air passage and said combustion cylinder, a conduit connecting said combustion cylinder and said secondary expansion cylinder and means controlling said conduit and arranged to open said conduit shortly before said combustion cylinder piston reaches its outer dead center to permit passage of burned gases from said combustion cylinder, said communication controlling means opening at substantially the same time as said conduit controlling means and permitting transfer of preliminarily compressed air into said combustion cylinder during substantially one half the inward or upward stroke of said combustion cylinder piston, said conduit controlling means being arranged to close said conduit before said communication controlling means is closed.

5. The method of operating a two cycle compound expansion internal combustion engine, which comprises injecting into and igniting a fuel charge in the combustion cylinder, in the presence of a compressed gas mixture composed of combustion products and pre-compressed air; causing the transfer of products of the resulting combustion from the combustion cylinder into the expansion cylinder during the travel of the combustion cylinder piston through its lower portion of its outward stroke and through a substantial portion of its subsequent inward stroke; introducing into the combustion cylinder precompressed air to mix with the combustion products, after the commencement of the gas transfer and until shortly after its termination; and compressing the gas mixture, still retained at the end of the transfer period, in the combustion cylinder, and prior to and after the next injection and explosion of a fuel charge.

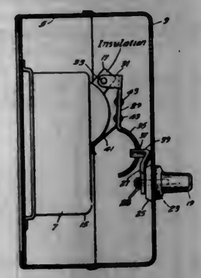
2,255,926
ELECTRICAL APPARATUS
Dietrich Müller-Hillebrand, Halensee, and Max Proschmann, Siemensstadt, Germany, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 18, 1939, Serial No. 257,154
In Germany February 19, 1938
8 Claims. (Cl. 200—163)



1. In electrical apparatus, an elongated flexible bridging member of a thickness which is small as compared with its width and which has at least one side thereof longitudinally grooved for increasing its torsional flexibility about a longitudinal axis and for providing at least one convex limited area contact surface.

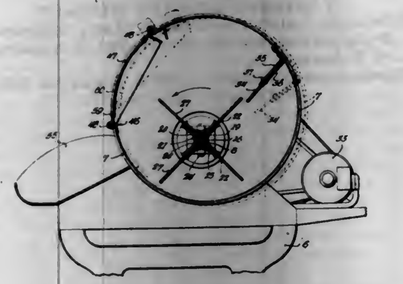
2,255,927
ENCLOSED CIRCUIT INTERRUPTER
Max Hüber, Berlin-Siemensstadt, and Albert Dahms, Berlin, Germany, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 2, 1939, Serial No. 277,068
In Germany June 2, 1938
17 Claims. (Cl. 200—50)

1. In an enclosed circuit interrupter, a housing having an openable cover, a circuit interrupter unit having an oscillatable actuating handle mounted in said housing, an operating handle rotatably mounted on said cover for moving said actuating handle to actuate the interrupter, means providing a separable connection between said handles, said means being operable to establish an operative connection between said handles after the cover is closed irrespective of any difference of position of said handles, by manual



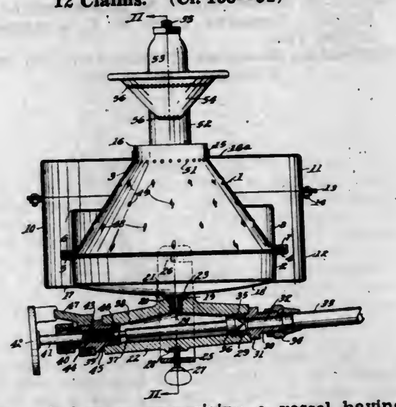
movement of said operating handle to a position corresponding to that of said interrupter handle.

2,255,928
HANDKERCHIEF FLUFFER
Joseph F. Huebsch, Miami, Fla., and Herbert J. Huebsch, Milwaukee, Wis., assignors to Huebsch Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application March 5, 1938, Serial No. 194,038
13 Claims. (Cl. 38—143)



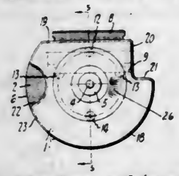
11. In a device of the character described, the combination of a casing for handkerchiefs and the like to be treated having a curved bottom portion toward which the handkerchiefs may freely gravitate, a rotor mounted to rotate in the casing on a horizontal axis and having yieldable paddles whose arc of movement is closer to the bottom of the casing than the top to provide a tendency to urge the handkerchiefs in the bottom of the casing toward the top of the casing to tumble the same about the casing, and a yieldable paddle mounted in the upper part of the casing and inclining toward the bottom thereof to intercept the free movement of the handkerchiefs as they are thrown into the upper part of the casing by the rotor so as to assist the tumbling action thereof and whose lower edge extends relatively close to the peripheral edges of the paddles to restrict the flow of handkerchiefs through a section of the casing to a relatively narrow passage which tends to straighten and fluff out the handkerchiefs during their passage therethrough, and means at the upper part of said casing permitting the feeding of the handkerchiefs to and discharging of the handkerchiefs from said casing.

2,255,929
THERMALLY CONTROLLED OIL BURNER
Milton D. Huston and Jackson G. Gilmore, Columbus, Ohio, assignors to Columbus Metal Products, Inc., Columbus, Ohio, a corporation of Ohio
Application March 4, 1935, Serial No. 9,249
Renewed February 2, 1939
12 Claims. (Cl. 158—91)



1. An oil burner comprising a vessel having a bottom, conical side walls and an open mouth of restricted diameter in the upper end thereof, said side walls being provided with distinct groups of primary and secondary openings for admitting air into said vessel, means for introducing oil into the bottom of said vessel, a casing surrounding said vessel and spaced from the walls of the latter providing for the delivery of air under substantially atmospheric pressures through the secondary air admitting openings of said vessel, a manifold surrounding the side of said vessel adjacent to the primary group of openings, and means for admitting air under forced draft into said manifold for passage into the interior of said vessel through said primary openings, whereby to provide for increasing the pressure on the air passing through said primary group of openings independently of the secondary group of openings.

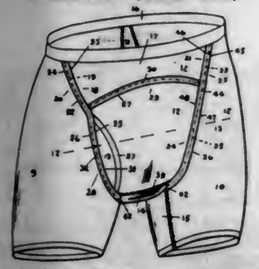
2,255,930
BLADE HOLDER
Percy Jepson, Oakland, Calif.
Application March 14, 1941, Serial No. 383,300
12 Claims. (Cl. 30—320)



1. A blade holder for a safety razor blade, comprising; a pair of disk-like elements in opposed relation secured together for rotation relatively about the same axis; blade positioning means for positioning such blade on one of said elements and between said elements with one cutting edge of said blade projecting outwardly of one edge of said one of said elements for cutting, and the outer edge of the other of said elements being formed relative to said axis to project radially inwardly and radially outwardly of the cutting

edge of a blade positioned by said positioning means for rendering such cutting edge operative and inoperative for cutting respectively when said elements are rotated relatively on said axis.

2,255,931
MAN'S UNDERWEAR
George M. Kloster, Utica, N. Y., assignor to Utica Knitting Company, Utica, N. Y., a corporation of New York
Application November 27, 1939, Serial No. 306,238
2 Claims. (Cl. 2—224)

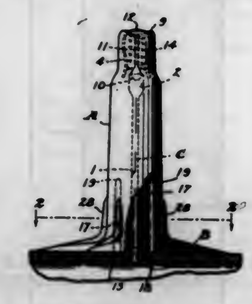


1. In a man's undergarment of the type mentioned, the combination of two main side members, each forming one side and a leg portion and part of the front and part of the back of the garment, an elastic waistband, a rear gore inserted between the rear edges of the main garment members and having its upper end secured to the waistband, a front panel beginning at the waistband and having its lower end at the front of the crotch, a crotch piece of spring-needle material and having its wales extending crosswise of the garment so that said crotch piece is of extreme elasticity from front to back, said crotch piece having its front edge secured to the lower end of the said panel and its rear edge secured to the lower end of the rear gore and having its side edges secured to the leg portions of the garment, two inelastic tapes having their upper ends secured to the waistband and extending downwardly along the seams joining the panel to the main members of the garment and continuing along the opposite side seams of the crotch piece to the rear line of the crotch piece and there secured to the seams connecting the rear gore and the adjacent portion of the main members, so that the side edges of the crotch piece are held from distention and the whole crotch piece is securely supported from the body of the garment and from the waistband thereof and the said crotch piece forms a pouch.

2,255,932
TIRE VALVE
Herman T. Kraft, Akron, and William C. McCoy, Shaker Heights, Ohio, assignors, by mesne assignments, to Jenkins Bros., Bridgeport, Conn., a corporation of New Jersey
Application July 8, 1937, Serial No. 152,595
20 Claims. (Cl. 152—430)

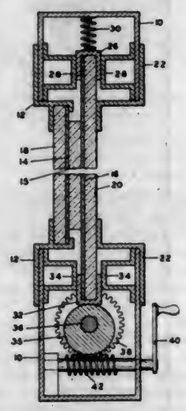
1. A molded rubber valve stem comprising an elongated body portion having a radially flared base integral therewith for attaching the valve stem to an article to be inflated therethrough, a relatively small diameter axial bore extending through the body and base for the passage of air, and a plurality of elongated cavities individually of greater cross sectional area than the bore formed in the body portion and extending in substantially parallel relation with the bore.

7. A molded rubber valve stem comprising an elongated body portion having a radially flared base integral therewith for attaching the valve stem to an article to be inflated therethrough, a bore extending through the body and base for the passage of air, a plurality of elongated cavities formed in the body portion and extending in



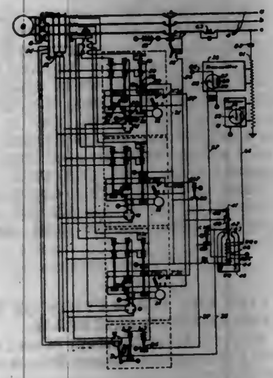
substantially parallel relation with the bore, a plurality of ribs formed on the body and extending longitudinally thereof, and the ribs disposed radially outward of the elongated cavities and parallel therewith whereby the valleys between the ribs diminish the section of rubber between adjacent cavities.

2,255,933
VARIABLE DENSITY WINDOW
Edwin H. Land, Cambridge, Mass., assignor to Polaroid Corporation, Dover, Del., a corporation of Delaware
Application December 12, 1940, Serial No. 369,763
9 Claims. (Cl. 88—65)



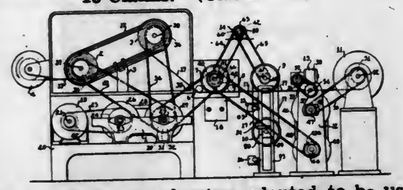
1. A variable density window comprising, in combination, means providing a plurality of substantially superimposed, relatively parallel, light-polarizing elements, a layer of transparent, rubbery cement between said polarizing elements, said cement being adapted under a predetermined stress to function as a half wave retardation element, and means for moving one of said polarizing elements with respect to the other and simultaneously exerting a shearing force on said cement layer sufficient to cause it to function substantially as a half wave retardation device.

2,255,934
CARRIER-CURRENT PROTECTIVE RELAYING SYSTEM
Bernard E. Lenehan, Bloomfield, and Shirley L. Goldsborough, Basking Ridge, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 29, 1939, Serial No. 270,822
7 Claims. (Cl. 175—294)



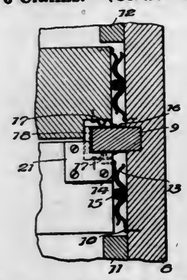
1. Relaying equipment for a transmission-line, including a signal-current pilot-channel between the ends of a line-section to be protected, and further including, at each of said ends, a quick-acting directional fault-responsive relaying-means for promptly effecting certain predetermined responses, including a circuit-closing operation and a circuit-opening operation, in response to the occurrence of a predetermined severity of fault-indicative line-conditions accompanied by a current-direction indicative that the fault is on the protected-line-section side of the relaying point, a quick-acting sensitive non-directional fault-responsive relaying-means for promptly effecting a circuit-closing operation, said sensitive non-directional fault-responsive relaying-means being sensitive to respond to less severe fault-indicative line-conditions than said directional fault-responsive relaying-means, a normally non-transmitting signal-current transmitter associated with said pilot-channel and including a normally open transmitter-controlling circuit, a signal-current receiver-relay associated with said pilot-channel and including a circuit-make-and-break member, means for maintaining the receiver-relay in an open-circuit condition during normal fault-free line-operating conditions, means for effecting a line-sectionalizing operation in response to said directionally responsive circuit-closing operation and a closed-circuit condition of said receiver-relay, means for causing said transmitter-controlling circuit to be closed in response to said non-directionally responsive circuit-closing operation and to be opened in response to said directionally responsive circuit-opening operation, means responsive to the receipt of a predetermined signal-current by said receiver-relay for blocking the change of said receiver-relay to its closed-circuit condition, and means responsive to a response of said directional relaying-means for causing the receiver-relay to change to its closed-circuit condition in the absence of said blocking action.

2,255,935
WIRE DRAWING AND SPOOLING APPARATUS
Darcy E. Lewellen and Emmons F. Lewellen, Columbus, Ind.
Application November 25, 1938, Serial No. 242,252
13 Claims. (Cl. 242—25)



1. In spooling mechanism adapted to be used with a wire-drawing apparatus, a winding spool, constant speed means for feeding wire towards said spool, variable speed driving means for driving the winding spool at different speeds, a first electrical control means operatively driving at a constant speed by said feeding means a second electrical control means operatively driven by the speed of the wire, said control means being arranged for asynchronous operation for adjustably varying the output speed of said variable speed driving means whereby to increase or decrease the speed of the winding spool to compensate for the varying layer diameter and positions of the wire as it is wound on the spool.

2,255,936
WEATHER STRIP
Adolph J. Mayer, La Grange, Ill.
Application April 24, 1939, Serial No. 269,720
6 Claims. (Cl. 20—69)

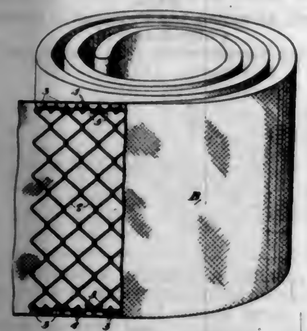


1. A window construction having a combined sash guide and weather strip comprising a sash and jamb having plane adjacent surfaces, a resilient undulating strip attached at one edge to the sash and overlying the edge of the sash, a corresponding cooperating resilient undulating strip attached to the jamb, said strips being shaped to yieldingly interfit, and the height of the undulating curvature being less than the distance between the sash and jamb to permit ready assembly of the sash and jamb with the strips attached.

2,255,937
FILTER
George F. McNamara, Waukegan, Ill., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application October 19, 1939, Serial No. 300,247
4 Claims. (Cl. 210—181)

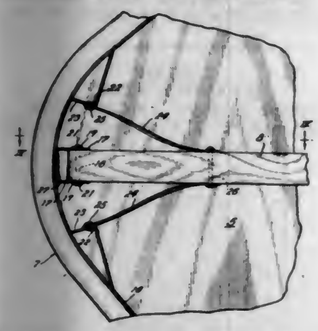
1. A filter comprising, in combination, a wire mat and a cloth bag enveloping said wire mat, at least one of the longitudinal edges of said

wire mat being enclosed by a helically coiled wire, said wire mat and said cloth bag being



coiled to provide separated cloth walls for penetration by the medium to be filtered.

2,255,938
FOLDING LEG TABLE
George L. Moore, Chicago, Ill.
Application February 3, 1938, Serial No. 188,530
2 Claims. (Cl. 311—98)



1. In a table, a top, a leg hinged by one of its ends to said top, the hinge axis being disposed in a plane substantially parallel to the plane of said top, said leg being arranged to swing about said hinge axis from an extreme position where it lies substantially parallel to the plane of the top to an extreme position where it lies substantially at right angles to the plane of the top, and a leaf spring pivotally connected by one of its ends to said leg at a place intermediate of said hinge axis and the free end of the leg and pivotally connected under stress by its other end to said top at a place spaced from said hinge axis in the longitudinal direction of said leg and said plane being on a plane that is both parallel with said leg frame axis and intersects both the leg frame axis as well as the angle formed by said extreme leg positions whereby said spring will be submitted to an increasing stress as it reaches an intermediate position so that it will exert a force on said leg as said leg moves to either extreme position, the force being in the direction of said movement in line with said hinge axis and the axis of the pivot connection of the spring and leg when said leg is in an intermediate position between said extreme positions, said spring being arranged to exert a maximum force between said leg and top when the leg is in said intermediate position.

2,255,939
SCREEN
Gustave A. Overstrom and George Overstrom, Los Angeles, and Conrad Overstrom, Altadena, Calif.
Application February 25, 1939, Serial No. 258,538
2 Claims. (Cl. 209—403)



2. A resilient support for a screen cloth comprising a screen frame including a strut having an elongated dovetailed groove formed by spaced apart upwardly and inwardly sloping substantially continuously flat side walls which extend substantially continuously from the bottom of said groove to the top thereof, and a resilient strip having a preformed bottom formed by sloping side walls which when in said groove have intimate contact with said side walls thereof the top of said strip extending above the side walls and being formed to provide an extended area adapted to bear against and support a screen cloth.

2,255,940
PROCESS FOR THE FORMATION OF LIGHT-POLARIZING MATERIAL
Howard G. Rogers, West Newton, Mass., assignor to Polaroid Corporation, Dover, Del., a corporation of Delaware
No Drawing. Application September 18, 1939, Serial No. 295,451
14 Claims. (Cl. 18—48)

1. In the process of forming a light polarizer from a transparent sheet of a plastic selected from the class consisting of polyvinyl alcohol and polyvinyl acetal, said sheet containing substantially oriented long straight-chain molecules having extended systems of conjugated double bonds, the steps comprising shrinking said sheet and stretching said shrunken sheet.

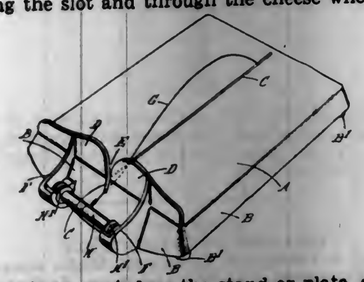
2,255,941
HEEL FOR FOOTWEAR
George R. Rule and Alice N. Rule, Los Angeles, Calif.
Application October 28, 1940, Serial No. 363,092
6 Claims. (Cl. 36—34)



1. A heel for a shoe or pump having a covering consisting of a plurality of coils of a cord extending in a general horizontal direction, adhering to the surface of the heel.

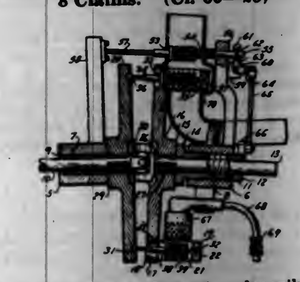
2,255,942
DEVICE FOR CUTTING CHEESE OR SIMILAR SUBSTANCES
Lionel Mark Salmon, Brentford, England
Application December 27, 1938, Serial No. 248,000
In Great Britain January 11, 1938
6 Claims. (Cl. 31—25)

1. A device for cutting cheese or the like, comprising a stand or plate on which the cheese to be cut is placed or supported and which has a slot located therein through which passes the cutting wire which is retained at one end and has a handle or gripping portion by means of which the wire can be pulled so as to be drawn along the slot and through the cheese when the



latter is supported on the stand or plate, a controlling ring at the under side of the device, and spring means connected to fixed parts of the device, said spring means being connected to and supporting said controlling ring, the said cutting wire passing through the said controlling ring.

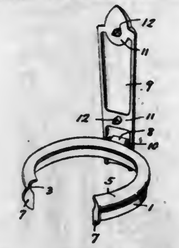
2,255,943
HEAT MOTOR
Emmett F. Sarver, Hollywood, Calif.
Application December 12, 1938, Serial No. 245,122
8 Claims. (Cl. 60—23)



1. A motor of the character described including a thermo-responsive element, rotary means supporting said element, means for connecting said element with the rotary means to effect rotation thereof, means supported on one side of said rotary supporting means to heat said element, means on the opposite side for cooling said element, and compensating means responsive to temperature at the cooled side of said rotary supporting means for adjusting said supporting means in accordance with variable working temperatures of the motor.

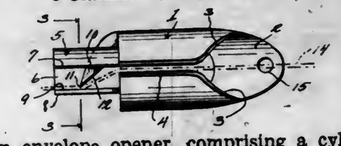
2,255,944
CAN OPENER
Joseph Frank Schindler, Omak, Wash.
Application April 25, 1940, Serial No. 331,677
1 Claim. (Cl. 220—51)

A milk can opener of the class described comprising a split, resilient clip adapted to be removably mounted on the upper portion of a can, said clip having a channel therein for the reception of a bead of the can, the clip further including an internal flange on its top engageable with the top of the can and still further including diverging guides on its ends for facilitating mounting said clip on the can, a hinge eye mounted on the periphery of the clip at an intermediate point and extending upwardly above said clip, a metallic bar of substantially arcuate cross section accommodating the hinge eye in its concave side, a transverse shaft mounted in the concave side of said bar ad-



jacent one end thereof and journaled in the hinge eye for pivotally mounting the bar on the clip, a thumb piece rising from the pivoted end of the bar, and integral punches projecting from the bar and adapted to penetrate the top of the can for forming spaced openings therein.

2,255,945
ENVELOPE OPENER
Harry V. Shuler, Ontario, Oreg., assignor of thirty-three and one-third per cent to C. F. Miller, Ontario, Oreg., and sixteen per cent to J. Fred Denham, Ontario, Oreg.
Application March 30, 1940, Serial No. 327,007
3 Claims. (Cl. 30—294)

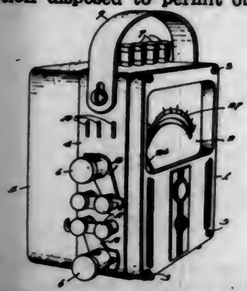


1. An envelope opener, comprising a cylinder body open at each end, the body having a relatively narrow slot through and longitudinally of the wall from one end and extending through a portion of the length of the body and a wider slot forming a continuation of the narrow slot to the other end of the body, the inner surface of the body adjacent an edge of the wider slot forming a floor on which the envelope slides, and a cutting blade extending obliquely within the portion of the body through which the wider slot is cut and extending across the slot and having an end in close proximity to said floor.

2,255,946
INSTRUMENT CASING
Uel L. Smith, Morris Plains, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 19, 1939, Serial No. 310,029
2 Claims. (Cl. 171—95)

1. In combination with an electrical instrument including an operating movement, indicating means and resistor means; a three-part casing comprising a central section divided into at least two compartments open at opposite ends of said central section, means for supporting said entire instrument on said central section with said operating movement at least partially disposed in one of said compartments with said indicating means exposed at the open end thereof, and with said resistor means at least partially disposed in the other of said compartments, said

supporting means including dust-proofing means to protect said operating movement, a front cover section and means for securing it to the end of said central section at which said indicating means is exposed, a transparent portion in said cover section disposed to permit observation of



said indicating means, and a rear cover and means for securing it to the other end of said central section to enclose said resistor and dust-proofing means, at least one of said casing sections being provided with openings for ventilating said resistor means.

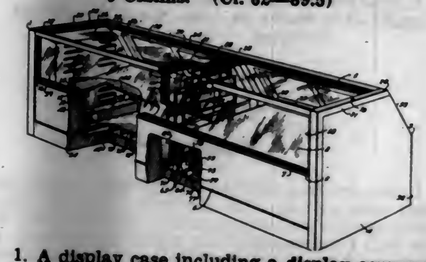
2,255,947

REFRIGERATOR DISPLAY CASE

Raymond H. Starr, Kansas City, Mo.

Application July 13, 1939, Serial No. 284,227

9 Claims. (Cl. 62—89.5)



1. A display case including a display compartment having a transparent front panel, a transparent panel transversely dividing said compartment into separate display sections and having an upper edge registering with a corresponding upper edge of the front panel, a transparent top panel supported in sealed contact with said upper edges of the front and dividing panels to provide substantially unobstructed visibility through said front and top panels into the display sections and from one display section to the other, said division panel being arranged to prevent air transfer from one section to the other, refrigerating ducts in the bottom of said display case, vertical ducts connecting the refrigerating ducts with the respective ends of the display sections, transparent panels spaced from said division panel to form continuations of the vertical ducts adjacent the division panel, and means for circulating air from the display sections to the refrigerating ducts for return to said display sections by way of said vertical ducts.

2,255,948

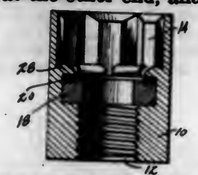
SELF-LOCKING SOCKET NUT

Carl A. Swanstrom, Maplewood, N. J., assignor to Elastic Stop Nut Corporation, Elizabeth, N. J., a corporation of New Jersey

Application January 28, 1938, Serial No. 187,356

9 Claims. (Cl. 151—7)

1. A self-locking socket nut comprising a nut body having a bore threaded at one end and providing a wrench receiving socket of non-circular cross-section at the other end, and a locking in-



sert located between the threaded portion of the bore and said socket, said insert being fixed in position in said bore by metal displaced from the wall of said socket.

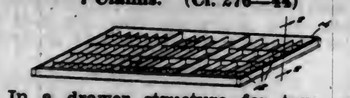
2,255,949

DRAWER CONSTRUCTION

Edward J. Thompson, Ludington, Mich., assignor to Thompson Cabinet Company, Ludington, Mich., a corporation of Michigan

Application June 24, 1941, Serial No. 399,541

7 Claims. (Cl. 276—44)



1. In a drawer structure for type cases, a drawer bottom member, a drawer side piece, the lower edge of which is cut away along its inner side providing a rib portion along its outer side, said side piece resting upon said bottom member by engagement of the cut away lower edge surface with said bottom member, a runner shoe for said drawer comprising an elongated member of generally channel formation having a bottom wall and side walls, said channel shaped runner shoe receiving and embracing said rib portion of the side piece, the overall width of said shoe being less than the width of said side piece.

2,255,950

DRAWER CONSTRUCTION

Frederick C. Shelters, Ludington, Mich., assignor to Thompson Cabinet Company, Ludington, Mich., a corporation of Michigan

Application June 24, 1941, Serial No. 399,540

9 Claims. (Cl. 276—44)



1. A runner shoe for drawer structures comprising an elongated member of generally channel formation having a bottom wall and side walls to receive and embrace a portion of the side piece of the drawer, one of said side walls of said shoe having at its upper portion a laterally disposed flange extending inwardly of the shoe to engage in a groove in the said side piece of the drawer.

2,255,951

PAPER MACHINE

Karl Helge Tomtlund, Karlstad, Sweden, assignor to Aktiebolaget Karlstads Mekaniska Werkstad, Karlstad, Sweden, a company of Sweden

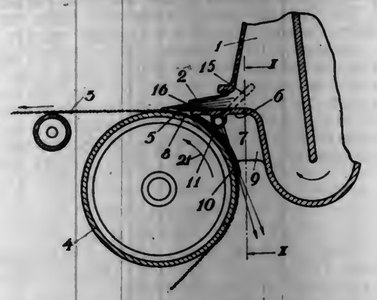
Application August 30, 1939, Serial No. 292,576

In Sweden August 31, 1938

11 Claims. (Cl. 92—44)

1. In a paper-machine of the Fourdrinier type, the combination of a breast-roll, a wire-cloth

running over said breast-roll, a breast-box, a pulp outlet nozzle on said breast-box for supplying pulp to said wire-cloth above said breast-roll, said outlet nozzle having a lower wall forming the upper boundary wall of an angle or gap between said outlet nozzle and the upward moving portion of said breast-roll, means enclosing said angle or



gap at the ends of said breast-roll, and means located adjacent said upper boundary wall for directing at least one jet of a fluid medium, extending over substantially the entire width of said breast-roll, substantially tangentially to the upwardly moving portion of said wire-cloth and in a direction substantially opposite to the direction of movement of said wire-cloth.

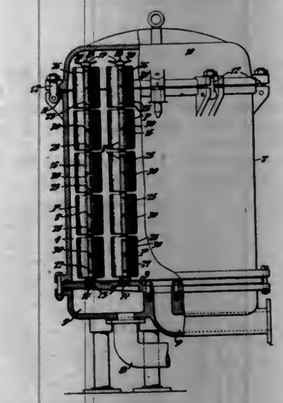
2,255,952

HOLDER FOR DYE COPS, PACKAGES, OR THE LIKE

William A. Traver, Providence, and John M. Wood, Cranston, R. I., assignors to Franklin Process Company, Providence, R. I., a corporation of Rhode Island

Application February 3, 1939, Serial No. 254,418

2 Claims. (Cl. 68—198)



2. A holder or stringer for supporting a plurality of dye-cops or packages of yarn or the like comprising a tubular member having perforations in its walls, rigid and imperforate annular bosses spaced along its length to adapt them to enter and close the ends of the cop-tubes in the packages strung on the holder, and guiding bosses arranged between the first-named bosses and fluted on their peripheries to provide for free passage of the dye-liquor or other fluid between the first-named bosses.

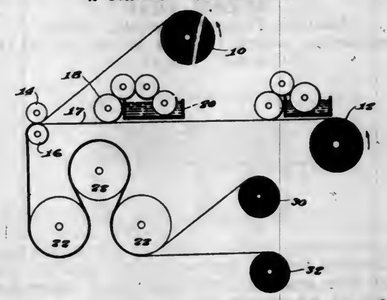
2,255,953

ORNAMENTAL WRAPPING SHEET AND METHOD OF MAKING THE SAME

John G. Vergobbi, Quincy, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts

Application October 14, 1938, Serial No. 235,018

2 Claims. (Cl. 41—33)



2. The process of producing a single ply glossy ornamental paper sheet suitable for use as a wrapper, comprising leading a web of paper from a supply roll thereof to between pressure rolls, leading a transfer web from a supply roll thereof to between said pressure rolls, first applying adhesive and then printing decorative designs upon the inner surface of the transfer web prior to its passage through the pressure rolls, adhesively affixing the webs together during passage between said pressure rolls, then partially drying the adhesive, and finally separating the transfer web from the wrapping web whereby to produce a wrapping web having the designs transferred thereto from the previously printed transfer web.

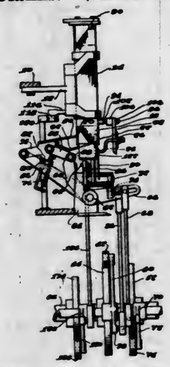
2,255,954

PACKAGING MACHINE

Robert William Vergobbi, Quincy, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts

Application July 26, 1940, Serial No. 347,721

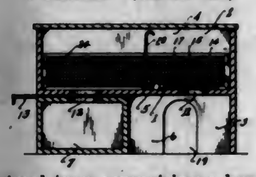
10 Claims. (Cl. 93—44.1)



1. In a packaging machine, in combination, a movable carrier provided with a plurality of carton holding pockets, each constructed to hold a carton with top and bottom flaps extended above and below the pockets, a gauge member disposed above the pocket and above the extended top flaps of the carton supported therein, bottom flap folding instrumentalities, and mechanism for

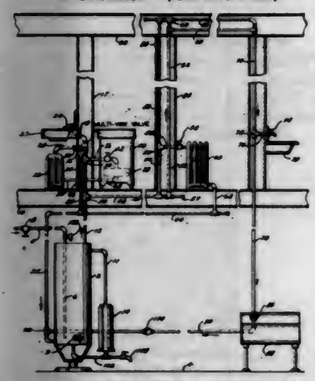
adjusting the position of the carton in the pocket to cause the top flaps to engage said gauge member and to cause the carton to be thereby disposed in a predetermined vertical position for subsequent operations to be performed thereon.

2,255,955
ANIMAL TRAP
Absolum Vickery, Chehalis, Wash.
Application August 10, 1940, Serial No. 352,149
6 Claims. (Cl. 43—58)



1. An animal trap comprising a box-like housing formed with a horizontal division plate dividing the housing into upper and lower compartments, an opening in the plate, an entrance opening in one wall of the housing below the plate, a partition on the plate within the upper compartment terminating short of the upper wall of the compartment, and a trapping mechanism supported on the division plate, means for holding the trapping mechanism in position to free the opening in the division plate, said means being operable to permit the trapping mechanism to be moved to a position by gravity for closing the opening in the division plate.

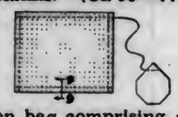
2,255,956
DUAL SERVICE HEATING SYSTEM
Oscar G. Watt, Tulsa, Okla.
Application June 26, 1939, Serial No. 281,281
8 Claims. (Cl. 237—19)



3. An improved dual service system of hot water circulation comprising a boiler, a plumbing fixture, a supply line connecting the boiler with the plumbing fixture, a control valve interposed in the supply line, a return line between the valve and the boiler providing circulation of the water, a first radiator, a first pipe connecting the radiator to the valve, a second pipe connecting the radiator to said return line, auxiliary radiators, piping connecting the supply line and the return line respectively with the auxiliary radiators, means operatively connected with said piping and return line for discharging air therefrom, said means including a pair of parallel pipes so constructed and arranged as to assure constant circulation of the water throughout the system.

8. An improved dual service system for hot water circulation comprising a boiler, a faucet, a supply line connecting the boiler with the faucet, a multi-way valve interposed in said line, a return line connecting the valve with the boiler to provide circulation of the water, a radiator, a pipe for leading water from the valve to the radiator, another pipe for leading water from the radiator to the return line, auxiliary piping connected to the supply and return lines and forming an auxiliary circuit for the circulation of water, said piping including a pair of parallel pipes to allow water from the supply line to flow simultaneously in plural paths to the return line, and a faucet interposed in the auxiliary piping.

2,255,957
TEA OR COFFEE BAG
John Yates, Quincy, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Original application September 16, 1938, Serial No. 230,243. Divided and this application July 14, 1939, Serial No. 284,407
6 Claims. (Cl. 99—77.1)



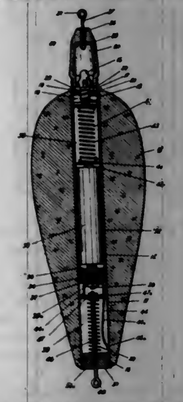
1. An infusion bag comprising a substantially rectangular container formed of two half sections of bag-forming material secured together along the marginal edges thereof and adapted to enclose a quantity of a commodity, at least one of said half sections being formed so that water may pass therethrough, and one of said half sections being of a self-supporting nature and being substantially stronger and more stable than the other half section and adapted to support said other half section.

2,255,958
SPRING CUSHION STRUCTURE
Vito Asaro and Edward Krajewski, Detroit, Mich., assignors to L. A. Young Spring and Wire Corporation, Detroit, Mich., a corporation of Michigan
Application September 1, 1939, Serial No. 293,000
11 Claims. (Cl. 155—179)



1. In a spring cushion structure, the combination with a supporting base, of a plurality of helically coiled body springs mounted on said supporting base in upright position, a top border frame to which the top coils of the outer border springs are secured, a fabric covering for said body springs secured at its edges to said top border frame and having padding material thereon, a plurality of upwardly bowed zigzag auxiliary spring elements arranged in spaced parallel relation, certain of the loops of adjacent auxiliary springs being connected by helical spring tie members, side members to which the ends of said auxiliary springs are secured, said side members being secured to the correspoding portions of the top border frame, helical connectors connected to certain of the loops of the end auxiliary springs, said connectors being connected to said top border frame at points intermediate their connection to said auxiliary springs and supporting at least said end auxiliary springs in outwardly inclined relation, a mat superimposed on said auxiliary spring elements and comprising a sheet of fabric having a plurality of reinforcing strands of resilient wire rove therethrough in spaced parallel relation, the ends of said strands being connected to flexible non-resilient tie members of fibrous material, the spaces between the reinforcing strands being substantially less than the length of the reaches of the zigzag bends of said auxiliary spring elements, said mat having unreinforced border portions overhanging said top border frame, and upholstery arranged upon said mat and secured to said supporting base.

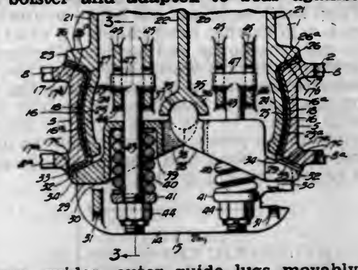
2,255,959
INDICATING FLOAT
Clarence G. Barber, Cedar Rapids, Iowa
Application January 25, 1940, Serial No. 315,509
4 Claims. (Cl. 43—17)



1. In a fishing float, a buoyant body portion, a tubular sleeve extending therethrough, a plug-like separator positioned in the sleeve to form an upper battery compartment and a lower switch compartment, an electrical conductor passing through the separator, a plug having an axial opening therethrough received in the lower end of the sleeve, a contact finger in the switch compartment connected with the conductor, and means for causing the contact finger to make contact with the sleeve, said means including a plunger and a plunger rod extending through the opening in the plug.

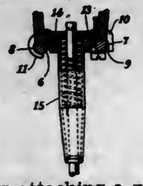
2,255,960
RAILWAY TRUCK
Donald S. Barrows, Rochester, N. Y., assignor to The Symington-Gould Corporation, Rochester, N. Y., a corporation of Maryland
Application September 15, 1938, Serial No. 230,085
30 Claims. (Cl. 105—197)

3. In a railway truck having a side frame which includes spaced column guides to form a bolster opening therebetween and a bolster end positioned in said opening arranged to angle horizontally with respect to the side frame, the combination of inner guide lugs formed integral with said bolster and adapted to bear against said



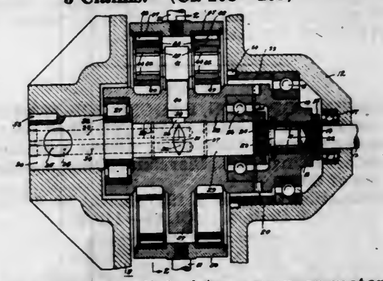
column guides, outer guide lugs movably connected to and outstanding from said bolster, and resilient means associated with said outer guide lugs for urging them against said column guides to thereby control the angling movement of the bolster.

2,255,961
DEAD END ANCHOR
Stephen P. Becker, Poughkeepsie, N. Y.
Application March 23, 1940, Serial No. 325,645
8 Claims. (Cl. 287—75)



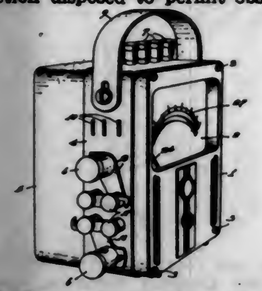
1. A clamp for attaching a wire to an anchor comprising a short wire with two terminals, a yoke having, at one end, a socket permanently attached to one terminal, at the other end, a socket attachable to the other terminal and, at the center, a hole and counterbore loosely enclosing a wire gripping clamp having a head permanently secured in the counterbore by lugs on the yoke bent over its head.

2,255,962
PUMP AND MOTOR
Elek Benedek, Mount Gilead, Ohio
Application October 18, 1933, Serial No. 694,179
3 Claims. (Cl. 103—161)



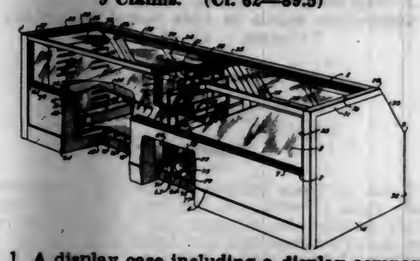
1. In a rotary radial piston pump or motor of the character described having a valve pintle supported at one end, a piston carrying barrel rotatably mounted on the pintle and in valving cooperation therewith, and said pintle having a

supporting means including dust-proofing means to protect said operating movement, a front cover section and means for securing it to the end of said central section at which said indicating means is exposed, a transparent portion in said cover section disposed to permit observation of



said indicating means, and a rear cover and means for securing it to the other end of said central section to enclose said resistor and dust-proofing means, at least one of said casing sections being provided with openings for ventilating said resistor means.

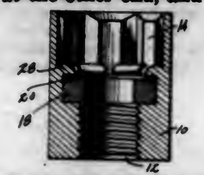
2,255,947
REFRIGERATOR DISPLAY CASE
Raymond H. Starr, Kansas City, Mo.
Application July 13, 1939, Serial No. 284,227
9 Claims. (Cl. 62—89.5)



1. A display case including a display compartment having a transparent front panel, a transparent panel transversely dividing said compartment into separate display sections and having an upper edge registering with a corresponding upper edge of the front panel, a transparent top panel supported in sealed contact with said upper edges of the front and dividing panels to provide substantially unobstructed visibility through said front and top panels into the display sections and from one display section to the other, said division panel being arranged to prevent air transfer from one section to the other, refrigerating ducts in the bottom of said display case, vertical ducts connecting the refrigerating ducts with the respective ends of the display sections, transparent panels spaced from said division panel to form continuations of the vertical ducts adjacent the division panel, and means for circulating air from the display sections to the refrigerating ducts for return to said display sections by way of said vertical ducts.

2,255,948
SELF-LOCKING SOCKET NUT
Carl A. Swanstrom, Maplewood, N. J., assignor to Elastic Stop Nut Corporation, Elizabeth, N. J., a corporation of New Jersey
Application January 28, 1938, Serial No. 187,356
9 Claims. (Cl. 151—7)

1. A self-locking socket nut comprising a nut body having a bore threaded at one end and providing a wrench receiving socket of non-circular cross-section at the other end, and a locking in-



sert located between the threaded portion of the bore and said socket, said insert being fixed in position in said bore by metal displaced from the wall of said socket.

2,255,949
DRAWER CONSTRUCTION
Edward J. Thompson, Ludington, Mich., assignor to Thompson Cabinet Company, Ludington, Mich., a corporation of Michigan
Application June 24, 1941, Serial No. 399,541
7 Claims. (Cl. 276—44)



1. In a drawer structure for type cases, a drawer bottom member, a drawer side piece, the lower edge of which is cut away along its inner side providing a rib portion along its outer side, said side piece resting upon said bottom member by engagement of the cut away lower edge surface with said bottom member, a runner shoe for said drawer comprising an elongated member of generally channel formation having a bottom wall and side walls, said channel shaped runner shoe receiving and embracing said rib portion of the side piece, the overall width of said shoe being less than the width of said side piece.

2,255,950
DRAWER CONSTRUCTION
Frederick C. Shelters, Ludington, Mich., assignor to Thompson Cabinet Company, Ludington, Mich., a corporation of Michigan
Application June 24, 1941, Serial No. 399,540
9 Claims. (Cl. 276—44)

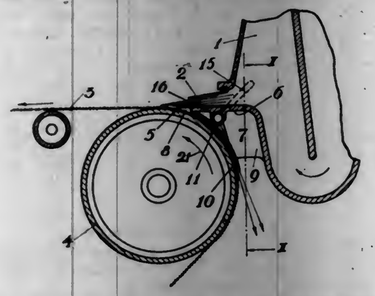


1. A runner shoe for drawer structures comprising an elongated member of generally channel formation having a bottom wall and side walls to receive and embrace a portion of the side piece of the drawer, one of said side walls of said shoe having at its upper portion a laterally disposed flange extending inwardly of the shoe to engage in a groove in the said side piece of the drawer.

2,255,951
PAPER MACHINE
Karl Helge Tomtlund, Karlstad, Sweden, assignor to Aktiebolaget Karlstads Mekaniska Werkstad, Karlstad, Sweden, a company of Sweden
Application August 30, 1939, Serial No. 292,576
In Sweden August 31, 1938
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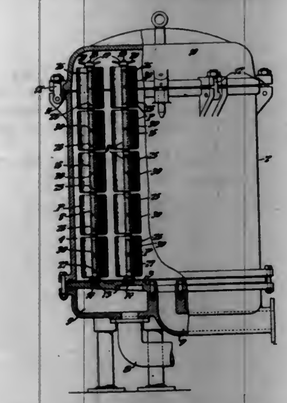
1. In a paper-machine of the Fourdrinier type, the combination of a breast-roll, a wire-cloth

running over said breast-roll, a breast-box, a pulp outlet nozzle on said breast-box for supplying pulp to said wire-cloth above said breast-roll, said outlet nozzle having a lower wall forming the upper boundary wall of an angle or gap between said outlet nozzle and the upward moving portion of said breast-roll, means enclosing said angle or



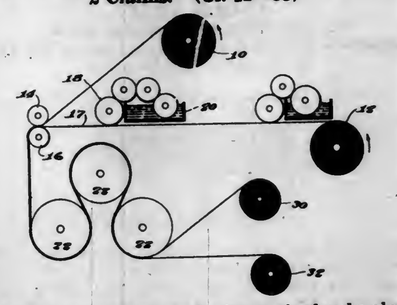
gap at the ends of said breast-roll, and means located adjacent said upper boundary wall for directing at least one jet of a fluid medium, extending over substantially the entire width of said breast-roll, substantially tangentially to the upwardly moving portion of said wire-cloth and in a direction substantially opposite to the direction of movement of said wire-cloth.

2,255,952
HOLDER FOR DYE COPS, PACKAGES, OR THE LIKE
William A. Traver, Providence, and John M. Wood, Cranston, R. I., assignors to Franklin Process Company, Providence, R. I., a corporation of Rhode Island
Application February 3, 1939, Serial No. 254,418
2 Claims. (Cl. 68—198)



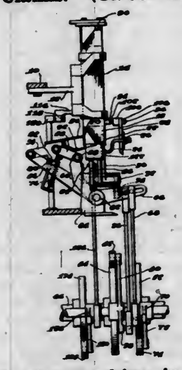
2. A holder or stringer for supporting a plurality of dye-cops or packages of yarn or the like comprising a tubular member having perforations in its walls, rigid and imperforate annular bosses spaced along its length to adapt them to enter and close the ends of the cop-tubes in the packages strung on the holder, and guiding bosses arranged between the first-named bosses and fluted on their peripheries to provide for free passage of the dye-liquor or other fluid between the first-named bosses.

2,255,953
ORNAMENTAL WRAPPING SHEET AND METHOD OF MAKING THE SAME
John G. Vergobbi, Quincy, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Application October 14, 1938, Serial No. 235,018
2 Claims. (Cl. 41—33)



2. The process of producing a single ply glossy ornamental paper sheet suitable for use as a wrapper, comprising leading a web of paper from a supply roll thereof to between pressure rolls, leading a transfer web from a supply roll thereof to between said pressure rolls, first applying adhesive and then printing decorative designs upon the inner surface of the transfer web prior to its passage through the pressure rolls, adhesively affixing the webs together during passage between said pressure rolls, then partially drying the adhesive, and finally separating the transfer web from the wrapping web whereby to produce a wrapping web having the designs transferred thereto from the previously printed transfer web.

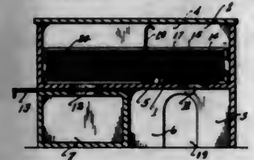
2,255,954
PACKAGING MACHINE
Robert William Vergobbi, Quincy, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Application July 26, 1940, Serial No. 347,721
10 Claims. (Cl. 93—44.1)



1. In a packaging machine, in combination, a movable carrier provided with a plurality of carton holding pockets, each constructed to hold a carton with top and bottom flaps extended above and below the pockets, a gauge member disposed above the pocket and above the extended top flaps of the carton supported therein, bottom flap folding instrumentalities, and mechanism for

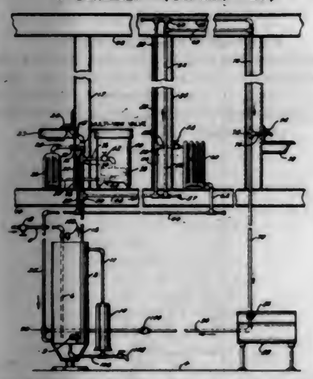
adjusting the position of the carton in the pocket to cause the top flaps to engage said gauge member and to cause the carton to be thereby disposed in a predetermined vertical position for subsequent operations to be performed thereon.

2,255,955
ANIMAL TRAP
Absolum Vickery, Chehalis, Wash.
Application August 10, 1940, Serial No. 352,149
6 Claims. (Cl. 43—58)



1. An animal trap comprising a box-like housing formed with a horizontal division plate dividing the housing into upper and lower compartments, an opening in the plate, an entrance opening in one wall of the housing below the plate, a partition on the plate within the upper compartment terminating short of the upper wall of the compartment, and a trapping mechanism supported on the division plate, means for holding the trapping mechanism in position to free the opening in the division plate, said means being operable to permit the trapping mechanism to be moved to a position by gravity for closing the opening in the division plate.

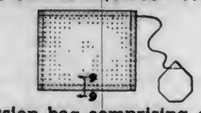
2,255,956
DUAL SERVICE HEATING SYSTEM
Oscar G. Watt, Tulsa, Okla.
Application June 26, 1939, Serial No. 281,281
8 Claims. (Cl. 237—19)



3. An improved dual service system of hot water circulation comprising a boiler, a plumbing fixture, a supply line connecting the boiler with the plumbing fixture, a control valve interposed in the supply line, a return line between the valve and the boiler providing circulation of the water, a first radiator, a first pipe connecting the radiator to the valve, a second pipe connecting the radiator to said return line, auxiliary radiators, piping connecting the supply line and the return line respectively with the auxiliary radiators, means operatively connected with said piping and return line for discharging air therefrom, said means including a pair of parallel pipes so constructed and arranged as to assure constant circulation of the water throughout the system.

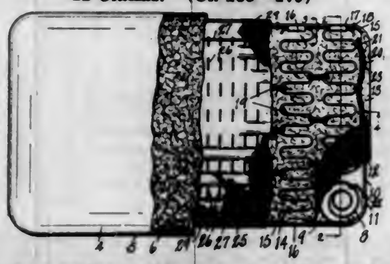
8. An improved dual service system for hot water circulation comprising a boiler, a faucet, a supply line connecting the boiler with the faucet, a multi-way valve interposed in said line, a return line connecting the valve with the boiler to provide circulation of the water, a radiator, a pipe for leading water from the valve to the radiator, another pipe for leading water from the radiator to the return line, auxiliary piping connected to the supply and return lines and forming an auxiliary circuit for the circulation of water, said piping including a pair of parallel pipes to allow water from the supply line to flow simultaneously in plural paths to the return line, and a faucet interposed in the auxiliary piping.

2,255,957
TEA OR COFFEE BAG
John Yates, Quincy, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Original application September 16, 1938, Serial No. 230,243. Divided and this application July 14, 1939, Serial No. 284,407
6 Claims. (Cl. 99—77.1)



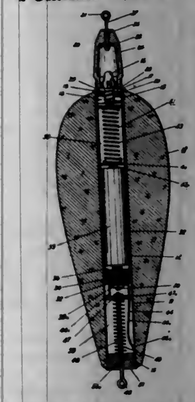
1. An infusion bag comprising a substantially rectangular container formed of two half sections of bag-forming material secured together along the marginal edges thereof and adapted to enclose a quantity of a commodity, at least one of said half sections being formed so that water may pass therethrough, and one of said half sections being of a self-supporting nature and being substantially stronger and more stable than the other half section and adapted to support said other half section.

2,255,958
SPRING CUSHION STRUCTURE
Vito Asaro and Edward Krajewski, Detroit, Mich., assignors to L. A. Young Spring and Wire Corporation, Detroit, Mich., a corporation of Michigan
Application September 1, 1939, Serial No. 293,000
11 Claims. (Cl. 155—179)



1. In a spring cushion structure, the combination with a supporting base, of a plurality of helically coiled body springs mounted on said supporting base in upright position, a top border frame to which the top coils of the outer border springs are secured, a fabric covering for said body springs secured at its edges to said top border frame and having padding material thereon, a plurality of upwardly bowed zigzag auxiliary spring elements arranged in spaced parallel relation, certain of the loops of adjacent auxiliary springs being connected by helical spring tie members, side members to which the ends of said auxiliary springs are secured, said side members being secured to the correspoding portions of the top border frame, helical connectors connected to certain of the loops of the end auxiliary springs, said connectors being connected to said top border frame at points intermediate their connection to said auxiliary springs and supporting at least said end auxiliary springs in outwardly inclined relation, a mat superimposed on said auxiliary spring elements and comprising a sheet of fabric having a plurality of reinforcing strands of resilient wire rove therethrough in spaced parallel relation, the ends of said strands being connected to flexible non-resilient tie members of fibrous material, the spaces between the reinforcing strands being substantially less than the length of the reaches of the zigzag bends of said auxiliary spring elements, said mat having unreinforced border portions overhanging said top border frame, and upholstery arranged upon said mat and secured to said supporting base.

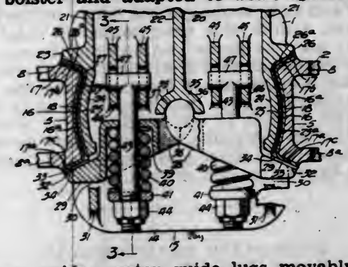
2,255,959
INDICATING FLOAT
Clarence G. Barber, Cedar Rapids, Iowa
Application January 25, 1940, Serial No. 315,509
4 Claims. (Cl. 43—17)



1. In a fishing float, a buoyant body portion, a tubular sleeve extending therethrough, a plug-like separator positioned in the sleeve to form an upper battery compartment and a lower switch compartment, an electrical conductor passing through the separator, a plug having an axial opening therethrough received in the lower end of the sleeve, a contact finger in the switch compartment connected with the conductor, and means for causing the contact finger to make contact with the sleeve, said means including a plunger and a plunger rod extending through the opening in the plug.

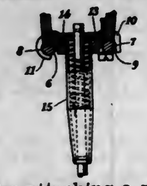
2,255,960
RAILWAY TRUCK
Donald S. Barrows, Rochester, N. Y., assignor to The Symington-Gould Corporation, Rochester, N. Y., a corporation of Maryland
Application September 15, 1938, Serial No. 230,085
30 Claims. (Cl. 105—197)

3. In a railway truck having a side frame which includes spaced column guides to form a bolster opening therebetween and a bolster end positioned in said opening arranged to angle horizontally with respect to the side frame, the combination of inner guide lugs formed integral with said bolster and adapted to bear against said



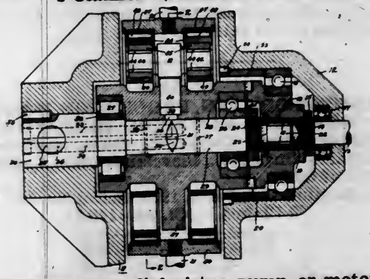
column guides, outer guide lugs movably connected to and outstanding from said bolster, and resilient means associated with said outer guide lugs for urging them against said column guides to thereby control the angling movement of the bolster.

2,255,961
DEAD END ANCHOR
Stephen P. Becker, Poughkeepsie, N. Y.
Application March 23, 1940, Serial No. 325,645
8 Claims. (Cl. 287—75)



1. A clamp for attaching a wire to an anchor comprising a short wire with two terminals, a yoke having, at one end, a socket permanently attached to one terminal, at the other end, a socket attachable to the other terminal and, at the center, a hole and counterbore loosely enclosing a wire gripping clamp having a head permanently secured in the counterbore by lugs on the yoke bent over its head.

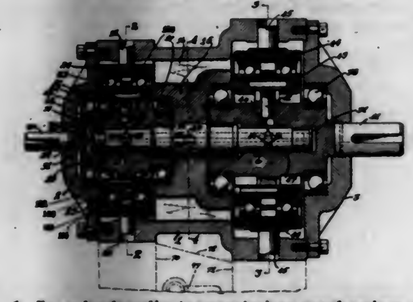
2,255,962
PUMP AND MOTOR
Elek Benedek, Mount Gilead, Ohio
Application October 18, 1933, Serial No. 694,179
3 Claims. (Cl. 103—161)



1. In a rotary radial piston pump or motor of the character described having a valve pintle supported at one end, a piston carrying barrel rotatably mounted on the pintle and in valving cooperation therewith, and said pintle having a

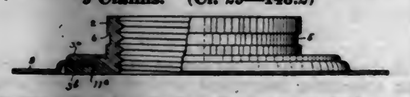
free end portion protruding beyond the barrel at the end opposite the pintle support, a driving head separate from the barrel, means independent of the pintle and barrel for rotatably supporting the head and for constraining the head from radial and axial loading of the barrel by the driving head, said driving head having an axial bore coaxial with the pintle and opening theretoward and receiving the said protruding end of the pintle, pilot bearing means for supporting the protruding pintle end in said bore for relative rotation with respect to the head and for resisting deflection of the pintle, means flexibly connecting the driving head and barrel, and impeller means carried by said driving head.

2,255,963
HYDRAULIC TRANSMISSION
Elek K. Benedek, Bucyrus, Ohio
Application February 7, 1935, Serial No. 5,429
4 Claims. (Cl. 60—53)



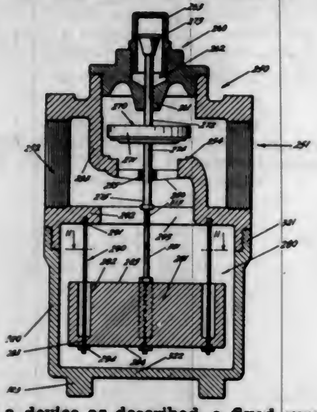
1. In a hydraulic transmission mechanism including a hydraulic radial piston pump having a piston carrying rotor, pistons reciprocable radially therein, an adjustable reactance means cooperable with the pistons to reciprocate the same consequent upon rotation of the rotor, and a reversible hydraulic radial piston motor having a piston carrying rotor, pistons reciprocable therein, an adjustable reactance means cooperable with the motor pistons, means respectively for adjusting the motor reactance means and the pump reactance means, control means operatively connected to both the motor and pump adjustment means for moving said adjustment means concurrently to different adjusted positions in predetermined relations in respect to each other, and means cooperable with the control means to adjust and set the same for effecting different predetermined adjusted relations between the adjustment means consequent upon operation of the said control.

2,255,964
BUSHING OR RING, PROCESS OF MAKING SAME, AND MOUNTING THEREFOR
Rudolph Biaho, Cleveland, Ohio, assignor to Metal Fittings, Inc., Cleveland, Ohio, a corporation of Ohio
Application October 4, 1937, Serial No. 167,313
9 Claims. (Cl. 29—148.2)



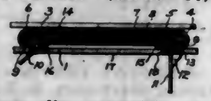
1. The herein disclosed process of forming bushings which consists in shaping metal to form an annular blank having a neck and an outwardly extending flange, then in splitting the flange in a plane between its opposite faces inwardly from its periphery throughout its circumference a predetermined distance, then in bending the inner split section of the flange laterally into substantially concentric relation to the neck, and finally cutting grooves in the outer face of the laterally bent flange section between its upper and lower circumferential edges, to form thereon a plurality of locking ribs.

2,255,965
VIBRATORY SHUT-OFF VALVE
Richard E. Brandon, Los Angeles, Calif.; A. H. Brandon, guardian of Richard E. Brandon, a minor, assignor, by mesne assignments, to George Pepperdine Foundation, a corporation of California
Application December 13, 1937, Serial No. 179,509
9 Claims. (Cl. 137—139)



1. In a device as described, a fixed supporting structure, a pendulum of a tri-filar type including a relatively heavy weight and a plurality of suspension means for the weight connected to the fixed structure, a device having means engaging an element connected to the pendulum weight and normally retained thereby in a first position, the weight being adapted to be displaced due to its inertia due to a movement of the supporting structure resulting from an earth shock, the said element when displaced releasing the means from its first position to have a free movement to a second position.

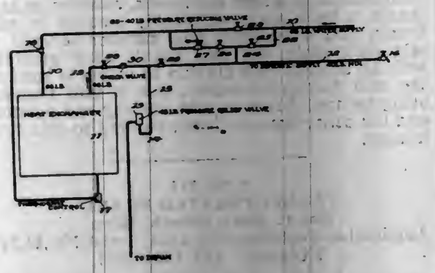
2,255,966
BUMPER CLIP AND INSTALLATION THEREOF
Wilmer H. Churchill, Saugus, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application July 29, 1939, Serial No. 287,375
3 Claims. (Cl. 16—86)



1. A bumper clip comprising a metal plate portion, attaching portions extending away from said plate portion for securing said clip to a support, one of said attaching portions being in the form of a hook for hook engagement with a supporting structure through an aperture

thereof, the other of said attaching portions being yieldable and having shoulder means for spring engagement with said supporting structure through an aperture to hold the hook in place, and at least a portion of said plate portion having a covering of non-metallic material.

2,255,967
COMBINED HEAT EXCHANGE AND DOMESTIC WATER SUPPLY SYSTEM
John W. Collins, Toronto, Ontario, Canada, assignor to The Trane Company, La Crosse, Wis., a corporation of Wisconsin
Application June 27, 1938, Serial No. 216,185
2 Claims. (Cl. 62—3)



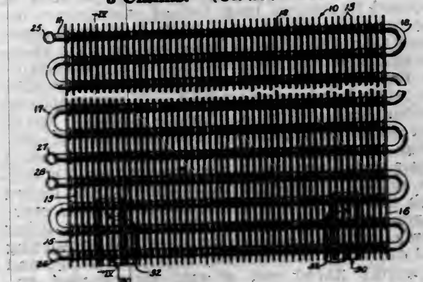
2. A system for supplying water for both heat exchange and domestic use which comprises a water supply line, a heat exchanger and a domestic water supply system normally in communication therewith, a valve for relieving the system of water in excess of domestic requirements upon rise in pressure when the domestic system is not in use, a by-pass line from the water supply line to the domestic supply system, a pressure reducing valve in said last-named line, and a valve for cutting off flow of water through said heat exchanger, the arrangement being such that when said last-named valve is closed water entering through the supply line will flow through said by-pass line past said pressure reducing valve, and into the domestic water supply system for use.

2,255,968
HAIR CURLER
Max Dunner, Brooklyn, N. Y.
Application December 14, 1940, Serial No. 370,085
6 Claims. (Cl. 132—33)



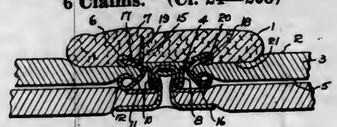
1. A curling device comprising a body and a stub clamping bar movably connected to said body, said stub clamping bar having a detachable section which is movable in unison with said stud clamping bar relative to said body, said detachable section having independent hair-clamping means movably connected thereto, said independent hair-clamping means being movable to an inoperative position when said section is assembled with the rest of the clamping bar of said curling device, so that the hair can be wound around said body and said section while said independent hair-holding means are located in inoperative position, said detachable section being adapted to clamp the hair against the body when said section is connected to said clamping bar.

2,255,969
HEAT EXCHANGER
Edgard C. Franco-Ferreira, Chicago, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application February 29, 1940, Serial No. 321,417
3 Claims. (Cl. 257—149)



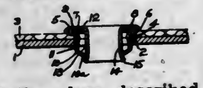
3. In a heat exchanger unit composed of tubes defining a serpentine path and spaced fins mounted on and bridging said tubes, the improvement which comprises a mounting bracket for the unit having a recessed portion extending between a pair of adjacent fins, said portion receiving a plurality of tubes in the recesses thereof and metal bonds of high thermal conductivity uniting said fins and said brackets to said tubes.

2,255,970
FASTENER ASSEMBLY
George L. Fowler, Arlington, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application June 27, 1939, Serial No. 281,400
6 Claims. (Cl. 24—208)



1. A fastener assembly comprising an ornamental part such as a button, a fastener member having means for cooperative fastener engagement with another part and an annular retainer portion of U-shaped cross-sectional shape, and an attaching means securing said fastener member to said ornamental part, said attaching means having upwardly extending attaching portions in fastened engagement with said ornamental part and downwardly extending prong portions having their free ends secured within said retainer portion whereby said parts are assembled together.

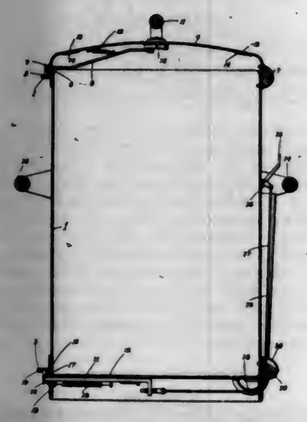
2,255,971
FASTENER SECURED INSTALLATION
Charles L. Hall, Detroit, Mich., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application June 8, 1939, Serial No. 278,072
1 Claim. (Cl. 16—2)



A device of the class described comprising a tubular support-engaging fastener member formed of resilient sheet material and adapted for insertion in and snap-fastener engagement

with an apertured support, said fastener member being formed with a base and yieldable fingers extending from said base with portions adapted for snap-fastener engagement with the apertured support, said base being formed with an axial opening substantially smaller than the distance between support-engaging portions of opposed fingers, at least two of said fingers being inwardly bowed with their free ends separated a distance substantially less than the opening in said base, a second sheet metal part adapted for assembly with said fastener part after the latter has been assembled with the apertured support, said second part having a tubular shank and an outwardly flaring end adapted for camming engagement with said inwardly disposed finger ends providing a rearwardly facing shoulder against which said finger ends may be locked with the finger ends disposed against said rearwardly facing shoulder, said second part being formed with a flange at its other end contacting and overlying said fastener base, said flange and outwardly flared end of said second part engaging and contacting opposite ends of said fastener member and acting to prevent withdrawal of said second part from its assembled position with said fastener member and also resist flattening and flexing of the bowed fingers and accidental dislodgment of the fastener part from the apertured support.

2,255,972
GARBAGE RECEPTACLE
Jack Harvard, Redondo Beach, Calif., assignor of one-half to Constance L. M. Irvine, Downey, Calif., and five per cent to John D. Fuller, Santa Cruz, Calif.
Application March 8, 1939, Serial No. 260,529
1 Claim. (Cl. 220—41)



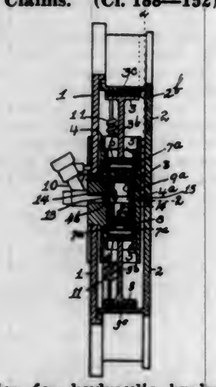
In a garbage receptacle including a cylindrical body initially open at its lower end, a circular bottom hinged on the body for downward opening movement, a releasable latch between the bottom and body, an annular flange about the body adjacent but above its lower end, the portion of the body below said flange flaring inwardly, a circular side wall upstanding from the bottom, and a separate annular flange on the side wall matching and engaging the body flange when the bottom is closed; said inwardly flaring portion of the body then closely fitting within said side wall.

2,255,973
DRESSING APPARATUS
Bert R. Hoobler, Grosse Pointe Park, Mich.
Application March 11, 1941, Serial No. 382,793
8 Claims. (Cl. 211—86)



1. In a device of the character described, the combination of a long flat shank, hangers on said shank, a back plate adjustably secured to said shank, and a resilient grip member secured to said back plate, the said shank being provided with an angular end portion to which is secured the said garment hangers, one of said hangers being secured direct to said angular end portion, and the other hangers being secured to said first hanger.

2,255,974
FLUID OPERATED BRAKE
Roy C. Hoyt, Duluth, Minn.
Application September 20, 1935, Serial No. 41,391
7 Claims. (Cl. 188—152)



1. A cylinder for hydraulic brakes having a medial wall and a chamber on each side of said wall, a perforated cup member positioned on each side of said wall, a flexible valve in each cup member, a piston seal in each chamber and a piston operable by said piston seal.

2,255,975
ART OF PACKING
Paul B. Hultkrans, Shorewood, Wis., assignor to Milprint, Inc., Milwaukee, Wis., a corporation of Wisconsin
Application May 16, 1940, Serial No. 335,509
10 Claims. (Cl. 93—6)



1. The method of sealing a box having a flexible lining and side flaps of approximately one

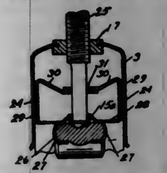
half the box width located adjacent to the protruding end of the lining, which comprises, folding the box flaps inwardly to bring opposite edge portions of the lining into approximate flat surface engagement with each other, permanently uniting said edge portions while thus held by the flaps to form a seal, and subsequently confining the seal closely adjacent to the end of the box.

2,255,976
TROLLING FISHHOOK
Thoralf Jorgensen, Vashon, Wash.
Application May 22, 1939, Serial No. 274,945
1 Claim. (Cl. 43—40)



A salmon trolling hook comprising a curved barbed hook portion, a shank portion extending therefrom, a prong portion extending from and integral with said shank portion and terminating in a point and an eye pressed from the shank portion so that the eye opening will lie in the plane of the shank and prong portions.

2,255,977
WRINGER AND THE LIKE
Walter L. Kauffman, II, Erie., Pa., assignor to Lovell Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Original application February 6, 1936, Serial No. 62,605. Divided and this application June 9, 1939, Serial No. 278,299
1 Claim. (Cl. 68—262)



In a wringer having a frame comprising a base and side stiles; and rolls mounted in the frame; the combination therewith of a top bar, the top bar having separated front and rear walls and said walls having sight openings therein; means exerting equalizing yielding pressure from a central position on the top bar on the ends of the rolls comprising a screw mechanism at the center of the top bar centering the pressure for the means; and an index plate having clipped fingers securing the plate to the spring, and side extensions providing index insignia adapted to move with the spring and across the openings in the top bar.

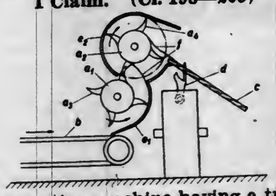
2,255,978
METHOD OF APPLYING PROTECTIVE COATINGS TO SHEETS
Henry L. Kohler, Kansas City, Mo., assignor to Andrew A. Kramer, Kansas City, Mo.
No Drawing. Application October 8, 1938, Serial No. 234,049
1 Claim. (Cl. 91—68.1)

The method of repairing a rupture in the zinc coating of a galvanized metallic sheet, comprising spreading a soft, creamy, putty-like amalgam of mercury and tin containing from 45% to 75% mercury by weight over the surface of said sheet at and adjacent said rupture, rubbing the resulting amalgam over said rupture, removing all the excess amalgam from said sheet and permitting the resulting amalgamation, over the entire area over which the same was spread, to proceed undisturbed throughout the thickness of said zinc coating over said area until a hard amalgam coating over said area having the spangled appearance of the galvanizing coating on said sheet, is produced.

2,255,979
METHOD OF APPLYING PROTECTIVE COATINGS TO SHEETS
Henry L. Kohler, Kansas City, Mo., assignor to Andrew A. Kramer, Kansas City, Mo.
No Drawing. Application October 8, 1938, Serial No. 234,051
4 Claims. (Cl. 91—68.1)

4. The method of making a corrosion resisting coating having the appearance of a galvanizing coating on a galvanized metallic sheet, comprising making a soft, creamy, putty-like amalgam principally of mercury, lead and tin, containing from 50% to 80% mercury by weight, from 16⅔% to 6⅔% lead by weight, and from 33⅓% to 13⅓% tin by weight, applying a thin coating of said amalgam to said sheet, removing excess amalgam from said sheet, and leaving said coating undisturbed until said amalgam penetrates and amalgamates with all the zinc on the area of said sheet having said amalgam applied thereto and said coating hardens after such complete amalgamation.

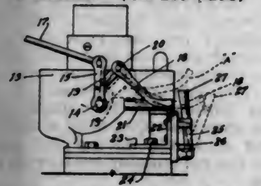
2,255,980
GRAIN HARVESTER
Heinrich Kuhlmann, Bad Oeynhausen-Eidinghausen, Germany
Application January 2, 1941, Serial No. 372,743
In Germany December 28, 1939
1 Claim. (Cl. 198—209)



In a harvesting machine having a transversely moving conveyer apron, and an elevated binding deck, means for elevating grain from the conveyer to the binding deck comprising a lower elevator drum at the delivering end of the conveyer apron, an upper elevator drum above the first drum, the two drums rotating in opposite directions, each drum having teeth fixed thereto the teeth on the two drums intermeshing and a casing so arranged in relation to the drums, close to the ends of their teeth, as to present with said drums, a closed S-shaped path for the grain, the

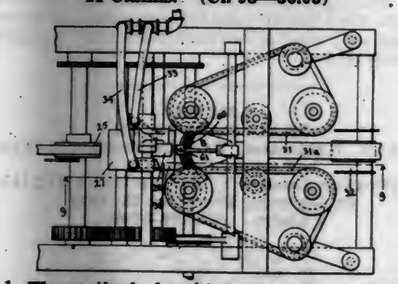
lower portion of the casing open on the side toward the conveyer apron and closed on the opposite side, and the upper portion closed on the side toward the conveyer apron and open on the opposite, delivery, side.

2,255,981
SAFETY STOP FOR ENGINES
Alfred Lagerberg, Lance Creek, Wyo.
Application July 19, 1940, Serial No. 346,364
2 Claims. (Cl. 123—198)



1. A safety device for engines of the type having a governor which operates a throttle lever to maintain the speed of the engine uniform under varying load conditions comprising: a switch operating lever hingedly attached to the throttle lever at its one extremity; means for movably supporting the other extremity of said lever; and a switch in the path of the latter extremity to be contacted thereby and opened when the throttle approaches the open position, said switch being in circuit with the ignition current to said engine.

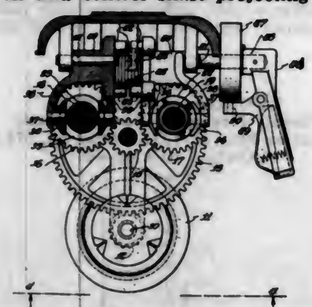
2,255,982
METHOD OF MAKING TAPERED CUPS
Harold S. Labombarde, Nashua, N. H., assignor to Dixie-Vortex Company, Chicago, Ill., a corporation of Delaware
Application June 27, 1936, Serial No. 87,628
Renewed April 14, 1939
11 Claims. (Cl. 93—36.05)



1. The method of making tapered cups consisting in forming blanks into folded and glued tapered cups complete in flat form; then forcefully partially opening the complete flat cups; and then completing the opening and, coincidentally with said complete opening, nesting the cups while moving each blank continuously along a predetermined path.

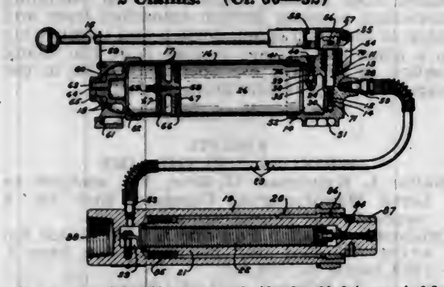
2,255,983
SPEED CHANGER
Waldemar N. Olson, Brookfield, Ill., assignor to Reynolds Electric Co., Chicago, Ill., a corporation of Illinois
Application April 24, 1940, Serial No. 331,334
1 Claim. (Cl. 74—337.5)

A speed changer comprising two clutch members and associated gears arranged to provide four different speeds by shifting of said clutch members; two spaced bell crank levers, each having one arm operatively connected with one of said clutch members; a control shaft in operative association with said levers; two adjacent cams on said control shaft projecting between



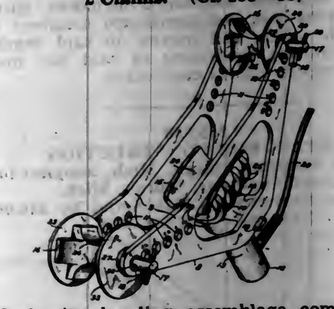
said levers; and two pins on each lever contacting with diametrically opposite sides of the adjacent cam, said cams being so shaped as to cause selective operation of said clutches to produce said four different speeds by continuous rotation of said control shaft.

2,255,984
HYDRAULIC PUMP SYSTEM
Edward M. Pfauser, Elm Grove, Wis., assignor to Blackhawk Mfg. Co., Milwaukee, Wis., a corporation of Wisconsin
Application October 21, 1939, Serial No. 300,501
2 Claims. (Cl. 60—52)



2. In combination, a relatively light portable ram unit adapted to be readily positioned by an operator in practically any working position relative to the work, said ram unit including a cylinder and a plunger provided with a spring constantly and positively urging the plunger into the cylinder to expel liquid from the latter, a hydraulic pump unit having a frame forming a displacement chamber and a piston cooperable with said chamber, a flexible hose connecting said ram cylinder with said pump frame and chamber, an elongated tubular liquid supply reservoir secured to said pump frame and being communicable with said pump chamber, non-return valves controlling flow from said reservoir through said chamber to said hose, a by-pass valve adapted to connect said cylinder and hose directly with said reservoir around said pump chamber, a floating partition within said reservoir movable therealong in one direction by liquid compressed by said spring and plunger and in the opposite direction by atmospheric pressure opposed to pump suction, a closure cap for the end of said reservoir remote from said pump frame, said cap comprising a section detachably secured directly to the reservoir to form a stop for said partition and having a central projection, and a supporting section adjustable about the axis of said projection and cooperating with said frame to provide a base for normally supporting said reservoir in approximately horizontal position.

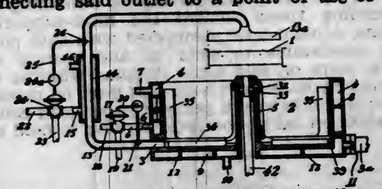
2,255,985
PIPE BENDING ASSEMBLAGE
Edward M. Pfauser, Elm Grove, Wis., assignor to Blackhawk Mfg. Co., Milwaukee, Wis., a corporation of Wisconsin
Application November 27, 1939, Serial No. 306,239
2 Claims. (Cl. 153—38)



2. A pipe bending assemblage comprising, a small portable ram having a cylinder and a plunger movable within the cylinder both provided with screw threaded corresponding ends, flexible conduit means for delivering fluid under pressure to said cylinder to move said plunger while permitting universal movement of the ram, a frame having a hub provided with screw threads adapted for attachment to said cylinder end threads and being provided with integral approximately parallel and triangular side plates each having series of holes extending toward the corners thereof remote from said hub, parallel pins cooperable with selected alined holes of said side plates, a pipe engaging block rotatably supported by each of said pins and having plane parallel circular opposite side flanges widely separated and located on the opposite sides of an annular series of pipe contacting grooves of different curvature adapted to coact with pipes of different diameters, and a pipe bending saddle movable outwardly between said blocks by said ram and having screw threads adapted for attachment to said plunger end threads, the entire assemblage being invertible and transportable while utilizing said circular block flanges as supporting wheels and said ram as a handle.

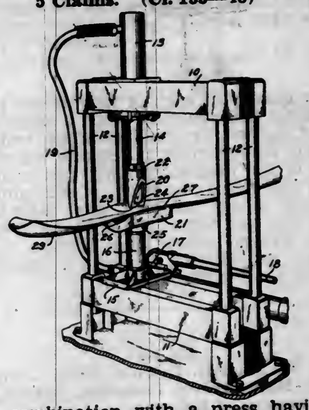
2,255,986
APPARATUS FOR CONDITIONING CHOCOLATE OR THE LIKE
Edward D. Rapisarda, Agawam, Mass., assignor to Baker Perkins Company, Inc., Saginaw, Mich., a corporation of New York
Original application September 4, 1937, Serial No. 162,560. Divided and this application December 4, 1939, Serial No. 307,871
3 Claims. (Cl. 257—4)

1. Apparatus for conditioning chocolate and the like comprising in combination, a cylindrical reservoir having upright side walls and a circular bottom, outlet means from the reservoir adjacent the bottom, means for heating said side walls, means for cooling said bottom, agitator means and pump means for removing cooled chocolate from said bottom and impelling it through said outlet, thermostatic means for controlling the temperature of the side walls in response to the temperature of the chocolate, and conduit means connecting said outlet to a point of use of the



chocolate, means for applying heat to the walls of said conduit, a thermostat in said conduit beyond said heating means, and means operable responsive to said thermostat for controlling the temperature of said conduit heating means.

2,255,987
AUTOMOBILE REPAIR EQUIPMENT
Edward H. Schultz, Milwaukee, Wis., assignor to Blackhawk Mfg. Co., Milwaukee, Wis., a corporation of Wisconsin
Application December 19, 1938, Serial No. 246,571
5 Claims. (Cl. 153—48)

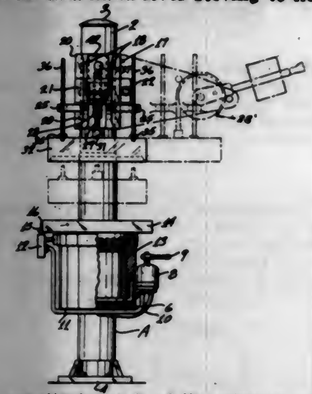


2. In combination with a press having elements mounted upon a normally stationary frame and relatively movable toward each other to distort work located therebetween, a plunger member carried by one of said press elements and having a relatively sharp wedge shaped portion provided with a work engaging edge crossing the axis of relative movement of said elements, and a saddle member carried by the other press element and having approximately parallel work engaging side edges separated by a relatively wide and shallow valley crossing said axis, said members being relatively rotatable about said axis to cause said wedge member edge to coact with an intervening work piece either substantially parallel to or at any angle transversely of said side edges and said wedge edge being of less length than the width of said valley.

2,255,988
MOLDING MACHINE
Connor B. Shanley, Kirkwood, Mo.
Application August 30, 1939, Serial No. 292,575
2 Claims. (Cl. 22—45)

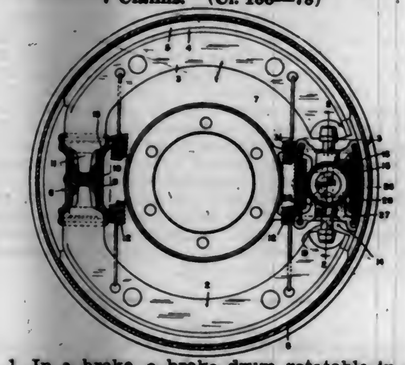
1. A molding machine comprising flask-supporting means, a head member having laterally spaced parallel arms extending over and spaced

above said flask-supporting means, a pulley rotatably mounted between the arms, a flexible cable mounted on said pulley connected at one end to the pulley and having its remaining end depending freely toward the flask-supporting means, a hand lever connected with said pulley and oscillatable to wind up and unwind said cable, stops on said arms stopping winding and unwinding movement with said lever on opposite sides of and beyond a perpendicular dead center, a weight on said hand lever serving to hold said



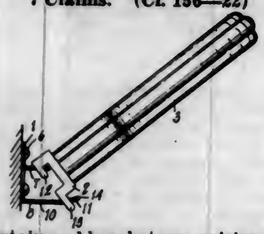
lever by gravity in each of its extreme positions and against the respective stops, a sand-tamping member carried by the depending end of the cable and consequently raised and lowered with respect to the flask-supporting means by winding and unwinding movement of said pulley, and guide rod means between said sand-tamping member and said arms holding the sand-tamping member against lateral and twisting displacement and yet allowing free and unimpeded upward and downward movement.

2,255,989
BRAKE
Charles W. Sinclair, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application October 9, 1939, Serial No. 298,668
7 Claims. (Cl. 188—78)



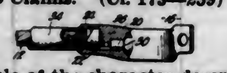
1. In a brake, a brake drum rotatable in opposite directions, brake friction means engageable with said drum and movable circumferentially in both directions of rotation of said drum and having spaced ends, a stationary bracket, a member supported on said bracket for movement in directions substantially parallel to the axis of the brake drum and effective upon movement in one direction relative to the bracket to move the ends of said friction means outwardly relative to said drum, said member in the retracted position of said friction means being circumferentially movable in both directions, and means for normally centering said friction means in retracted position comprising members extending transversely of the bracket through opposite sides thereof and engaging opposite sides of said first mentioned member, each of said last mentioned members being circumferentially movable with said first mentioned member in a direction away from the other of said last mentioned members, spring means urging said last mentioned members toward each other, and means on said bracket member limiting movement of said last mentioned members toward each other.

2,255,990
CURTAIN ROD CONSTRUCTION
Philip B. Stratton, Sturgis, Mich., assignor to Kirsch Company, Sturgis, Mich.
Application February 24, 1941, Serial No. 380,086
7 Claims. (Cl. 156—22)



7. A curtain rod bracket comprising a base and a pair of vertically aligned arms, one having a vertical aperture therein and the other having a pair of vertical apertures spaced along a line extending outwardly from said base.

2,255,991
BATTERY CABLE
John Taylor, Kansas City, Mo.
Application September 19, 1940, Serial No. 357,342
3 Claims. (Cl. 173—259)

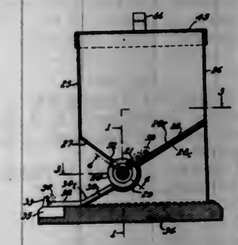


1. In a cable of the character described having a conductor, means for connecting the cable comprising a split-ring forming a terminal head; a radially extending fin on the head; and a separate anchor to tie the head to said conductor, said head having a convex outer face around the point of connection between the head and said fin, said anchor having lugs embracing the fin and ears circumscribing said conductor, said anchor being embedded in a body molded thereabout, the said body having one end thereof in contact with the said convex outer face of the head.

2,255,992
DISPENSING DEVICE
Paul J. Ulibarr, Los Angeles, Calif.
Application August 5, 1940, Serial No. 351,500
3 Claims. (Cl. 312—84)

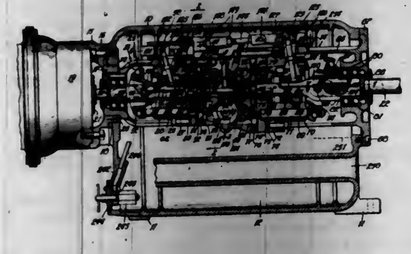
1. In a dispensing device, an elongated member of a generally cylindrical shape, means whereby said member is mounted in a horizontally extending position to turn about its axis, a split sleeve

encircling said member and gripping it in a friction tight manner, the split in said sleeve combining with said member to form a dispensing re-



cess, a hopper positioned to deliver elongated articles singly to said recess, and means to partially rotate said member about its axis to dispense articles singly from said hopper.

2,255,993
FLUID TRANSMISSION
Gunnar A. Wahlmark, Rockford, Ill.
Application September 9, 1938, Serial No. 229,223
9 Claims. (Cl. 60—53)



9. A fluid transmission comprising, in combination, a casing, a fluid reservoir in said casing, a pump in said casing having inlet and outlet ports, a motor in said casing having inlet and outlet ports, means forming a supply passage between the outlet port of the pump and the inlet port of the motor, means forming a return passage from the outlet port of the motor to the inlet port of the pump, an auxiliary pump having a discharge port connected to said return passage to supply fluid under pressure to the inlet of the first mentioned pump, and means for discharging excess fluid from said auxiliary pump onto the first mentioned pump and motor parts to lubricate said parts.

2,255,994
TIRE CONSTRUCTION
Albert A. Bush, deceased, late of Akron, Ohio, by The Firestone Park Trust and Savings Bank, executor, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application January 13, 1937, Serial No. 120,406
7 Claims. (Cl. 152—209)

1. A tire having a traction tread composed of a plurality of traction elements arrange in successive groups around the circumference of the tire, on both sides of the centerline thereof, said groups being laterally aligned, the centers of the elements on one side of the centerline of the tire, in any group, being of different relative spacing in a circumferential direction from

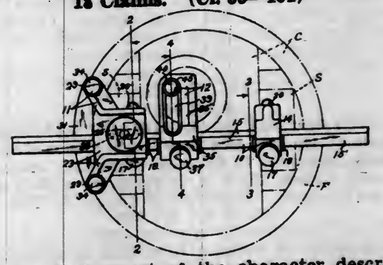


those of the same group on the opposite side of said centerline.

2,255,995
PLASTICIZER
Rex P. Cosgrove, Toledo, Ohio, assignor to Plaskon Company, Incorporated, Toledo, Ohio, a corporation of Delaware
No Drawing. Application August 29, 1938, Serial No. 227,339
2 Claims. (Cl. 260—33)

1. A composition comprising a thermosetting formaldehyde-urea reaction product and a plasticizer which has a melting point of about 173° C. and which is substantially identical with the substance obtained by adding 125 parts of substantially water-free triethanolamine to 265 parts of pyridine, then adding 159 parts of paratoluene sulfonyl chloride gradually with agitation, cooling the liquid to remove the heat generated by the reaction, then stopping the cooling and continuing the agitation until the temperature of the liquid has risen to 20° C., followed by addition of methanol to cause precipitation, filtering off and drying the precipitate, dissolving it in water, adding a small amount of triethanolamine to the water solution, and crystallizing said substance from the solution.

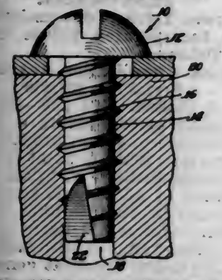
2,255,996
GEAR SETTING GAUGE
Ralph L. Dodge, Syracuse, and Fay F. Adkinson, De Witt, N. Y., assignors to New Process Gear Corporation, Syracuse, N. Y., a corporation of Delaware
Application March 25, 1940, Serial No. 325,818
18 Claims. (Cl. 33—181)



1. An instrument of the character described comprising, in combination, a micrometer gauge, a supporting means, means operatively connecting the micrometer gauge to the supporting

means with the spindle of said gauge arranged to extend in predetermined relation therewith, a positioning means operatively connected to said supporting means, said supporting means and said positioning means including contact elements adapted to engage a first surface having a curved contour and a second surface having a contour distinguished from that of said first surface respectively, said contact elements being so constructed and arranged in fixed spaced relation with respect to each other both longitudinally and transversely of said first surface that when in said engagement with said surfaces the spindle of said gauge is maintained thereby with the axis thereof substantially coincidental with a line extending in a plane normal to the axis of curvature of the first surface and in predetermined angular relation with respect to said second surface.

2,255,997
THREAD CUTTING SCREW
Walter M. Hanneman, Oak Park, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois
Application April 10, 1941, Serial No. 387,917
5 Claims. (Cl. 85—47)



1. A thread cutting screw for use in materials such as plastics and other materials exhibiting like characteristics including a threaded shank having a holding section and an entering section, and a screw head formed integral with the shank, the thread on said shank being of relatively coarse pitch, the thread convolutions of said entering section diminishing in external diameter to facilitate entrance within an unthreaded aperture and traversed by a recess to provide a relatively coarse tooth serrated cutting edge, said recess being defined by two normally intersecting surfaces one of which is flat and traverses the entering thread convolutions to form the aforesaid cutting edge and the other arcuate for deflecting chips away from said cutting edge, the cross-sectional area of said recess at the entering extremity of the screw shank forming a substantial portion of the total circular cross-sectional area of the screw in that vicinity to provide ample chip receiving space.

2,255,998
MANUFACTURE OF HARDENED ARTICLES
Arthur M. Howald and Leonard S. Meyer, Toledo, Ohio, assignors to Plaskon Company, Incorporated, Toledo, Ohio, a corporation of Delaware
No Drawing. Application August 9, 1938, Serial No. 223,908
1 Claim. (Cl. 260—39)

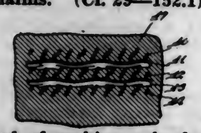
A method of making hardened articles that comprises preparing a self-hardening, pliable composition comprising a water solution of a water-soluble formaldehyde-urea reaction product, a hardening agent therefor, and a sufficient quantity of plaster of Paris to prevent material cracking upon hardening of the composition, said composition containing from about 3 to about 4 parts of said formaldehyde-urea reaction product, and from about 2 to about 2.7 parts of water for every 15 parts of plaster of Paris, and molding said composition under pressure.

2,255,999
BRACELET LOCKET
Wilhelm Kuehner, Providence, R. I., assignor to Excell Manufacturing Company, a corporation of Rhode Island
Application February 21, 1941, Serial No. 380,019
5 Claims. (Cl. 63—19)



1. A bracelet locket comprising a body having a bottom wall, the bottom wall at its opposite ends being provided with openings to which the ends of a bracelet may be attached, a cover hinged adjacent one end of the bottom wall and provided with a catch, the stock of the bottom wall being cut and deflected adjacent the said other end to provide a latch to engage said catch and releasably hold the cover in closed position and to form one of the said openings.

2,256,000
BRAKE SHOE REINFORCING AND METHOD OF MAKING THE SAME
William M. McNeil, Wheaton, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application February 20, 1939, Serial No. 257,357
7 Claims. (Cl. 29—152.1)



1. The method of making a brake shoe reinforcing which comprises forming a plurality of elongated strips of expanded metal, each of said strips having substantially the same shape, positioning said strips in face-to-face relationship so that the end edges of each are substantially congruent, tightly clamping said strips together only adjacent their end edges, and passing a sufficiently heavy electrical current through said strips only adjacent said clamped end edges to weld them together at their points of contact adjacent said edges, whereby an integral, layered reinforcing is produced having flexibility and freedom of movement between the layers adjacent the central portions of said reinforcing.

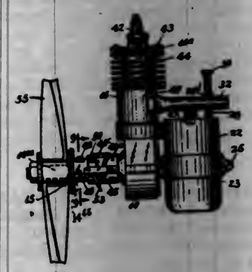
2,256,001
EXERCISER
Robert L. Titus, Los Angeles, Calif., assignor of one-half to Bertha Saunders, Los Angeles, Calif.
Application March 18, 1940, Serial No. 324,477
3 Claims. (Cl. 272—57)

1. An exerciser which includes: a lower plate; an upper rotatable plate mounted thereon, said plates being of sufficient size to accommodate a person's feet; and means centrally disposed in said plates holding them loosely in spaced relation at their centers but permitting said upper



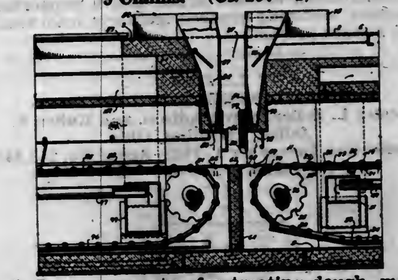
plate to tilt and thereby frictionally engage the outer portion of said lower plate throughout a considerable portion of its surface, whereby when a person stands on said upper plate the frictional drag between said plates will be sufficient to impede free rotation of said upper plate.

2,256,002
TOY AIRPLANE MOTOR
Joseph Molnar, Trenton, N. J.
Application May 2, 1940, Serial No. 332,936
3 Claims. (Cl. 123—73)



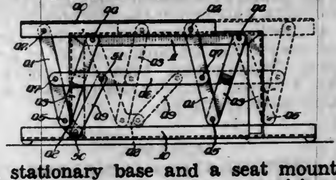
1. In an airplane motor, an air-tight crankcase having a tubular member on one side, a crank shaft rotative through said tubular member and having a cam adjacent the outer end of said tubular member, a cylinder mounted on said crankcase and having its inner end connected with the interior of said crankcase, a hollow piston in said cylinder and having a connecting rod connecting it with said crank shaft, a small fuel tank mounted on said crankcase and having a fuel discharge pipe with a nozzle opening controlled with a needle valve, an air inlet pipe encasing that portion of the fuel discharge pipe having the nozzle opening and connecting with a fuel inlet port in the side of said cylinder at a point beneath said piston when the piston is in its outer position, said cylinder having a passage with a bottom port aligning with a port in said piston when the piston is in its inner position and having a top port just above the piston in its inner position, said cylinder also having a burnt fuel discharge port just above said top port, and a baffle on the top of said piston for separating the latter ports, said mounting of said fuel tank comprising a band securely encircling said fuel tank, a plug closing the end of said crankcase opposed to said tubular member, and screw passing freely through an opening in said band and threadedly engaging an opening in said plug, said screw having its head sunk so as to be flush with the inside periphery of said band.

2,256,003
APPARATUS FOR TREATING DOUGH
Curtis J. Patterson, Mission Hills, Kans.
Application July 31, 1939, Serial No. 287,428
9 Claims. (Cl. 107—4)



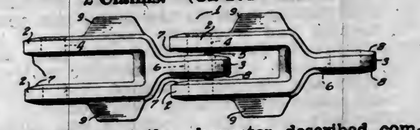
1. In an apparatus for treating dough, means forming a plurality of respectively confined chambers, means for effecting continuous travel of dough through said chambers collectively, means adapting the interior of certain of said chambers for respectively proofing and baking said dough, and means for forming an air curtain between said chambers to delimit proofing and baking action on the dough in said chambers respectively during travel of the dough therethrough.

2,256,004
MOVABLE SUPPORT
Joseph R. Thomas, Chicago, Ill.
Application June 14, 1937, Serial No. 148,159
5 Claims. (Cl. 155—61)



1. A stationary base and a seat mounted to glide thereon, the mounting comprising front and rear pairs of swinging links at each end of the seat, the upper ends of the links of each pair being pivoted to the base and seat to swing freely thereon and depending therefrom and pivotally connected to each other at their lower ends, and a rigid coordinating bar extending directly between and pivotally connected at its ends to one of the links of the front and rear pairs at one end of the seat for controlling the extent of swinging movement of the seat.

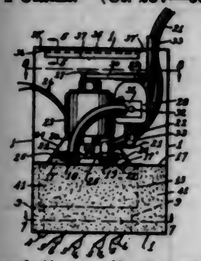
2,256,005
CONVEYERS
Robert W. Wood, Detroit, Mich.
Application November 18, 1940, Serial No. 366,049
2 Claims. (Cl. 104—172)



1. A device of the character described comprising links formed with spaced arms and a projecting finger, a pin for securing the finger of one link between the spaced arms of the next adjacent link, said finger being of lesser width than the space between said arms and being ta-

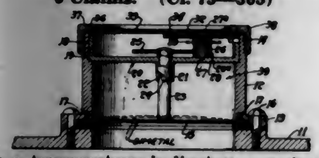
pered adjacent its end, said arms being tapered adjacent their ends, said pin being of smaller cross section than the opening in the said finger through which it passes, outwardly projecting flanges formed on said arms, and a supporting structure including grooved members into which said flanges project.

2,256,006
HEAT DISTRIBUTING UNIT
Lester L. Zeller, New Madison, and Ruben E. Zeller, Versailles, Ohio
Application December 1, 1938, Serial No. 243,342
1 Claim. (Cl. 237—63)



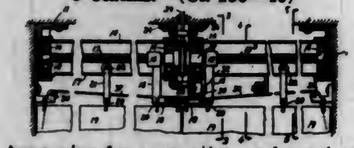
A heat circulating unit comprising in combination, a case with a motor mounted therein, an impeller pump operated by said motor with a circulating fan being secured on one end of the motor shaft, a conduit carrying heated water to the intake opening of the impeller pump, a radiator positioned within the case and connected to the outlet opening of the impeller pump by means of a second conduit, a third conduit carrying water from the radiator to a return line, a check valve connected with the third conduit preventing the flow of water in a reverse direction therethrough with the check valve forming a means whereby the radiator is maintained in filled condition.

2,256,007
TEMPERATURE INDICATOR
Hilmar A. Andresen, Chicago, Ill., assignor to E. Edelmann & Co., Chicago, Ill., a corporation of Illinois
Application July 24, 1939, Serial No. 286,263
6 Claims. (Cl. 73—363)



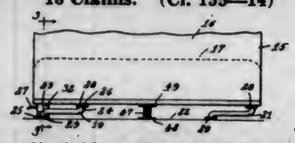
5. In a temperature indicator, a casing, means for mounting said casing on a tank or the like over an opening therein, a diaphragm carried by said casing, means for sealing the periphery of said diaphragm relative to said tank surrounding said opening whereby the diaphragm spans the opening and is directly responsive to the temperature of the medium in said tank, said diaphragm being formed of bimetallic material, a slidably and rotatably mounted shaft carried by said casing and engaging said diaphragm at substantially the center thereof, a cam surface stationary relative to said casing, a projection from said shaft coacting therewith for imparting rotation to said shaft as it is moved in one direction by said diaphragm, means biasing said shaft to revolve in an opposite direction to return it and keep said projection in contact with said cam surface and said shaft in contact with said diaphragm, an indicator operatively connected with said shaft by means of step-up gearing, and a cover for said casing to enclose said indicator, biasing means and shaft, said cover having a window to observe the movement of the indicator.

2,256,008
SUPPORTING AND MANIPULATING CURTAINS AND THE LIKE
Fredrick Donald Armstrong, Brighton-le-Sands, near Sydney, Australia
Application February 26, 1940, Serial No. 320,956
In Australia June 7, 1939
5 Claims. (Cl. 156—46)



4. Apparatus for supporting and manipulating curtains comprising, in combination, a tube slotted on the underside, a rod supported longitudinally within said tube, right and left-handed screw threads upon the respective ends of said rod, an electric motor set up to drive said rod for rotation in either direction, nuts adapted to ride upon the respective screw threads aforesaid and complementarily arranged, lugs depending from said nuts and extending through the tube slots, a trip switch set up for operation by the travel of said lugs to stop the electric motor at a prearranged position, rollers borne by the tube, said rollers extending beyond each of the nuts aforesaid and curtain supporting means attached to each of the lugs and the rollers aforesaid.

2,256,009
ADJUSTABLE VEHICLE SEAT
Lyle C. Atwood, Rockford, Ill., assignor to The Atwood Vacuum Machine Company, Rockford, Ill., a copartnership composed of Seth B. Atwood and James T. Atwood
Application January 22, 1940, Serial No. 314,936
18 Claims. (Cl. 155—14)

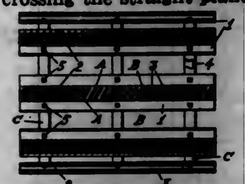


1. An adjustable seat adapted for use in automobiles and the like comprising in combination with a seat adapted to extend an appreciable portion of the width of the interior of the vehicle, crank means in spaced relation to one another and all extending lengthwise relative to the seat in the same direction from their pivots on the bottom of the vehicle and providing upright pivotal supports for the seat, on which the seat is adapted to have parallel movement fore and aft in an arc with the pivot of each of said crank means as a center, and means for releasably locking the seat in a selected adjusted position.

2,256,010
RASP BAR FOR GRAIN THRESHING CYLINDERS
Harry S. Ausherman and William S. Ausherman, Abilene, Kans.
Application March 7, 1940, Serial No. 322,714
1 Claim. (Cl. 130—27)

In a rasp bar for grain threshing cylinders, of

the class described, comprising an elongated body portion arcuate in cross section, the body portion having an extension integrally joined and equal in length to the body portion and centrally disposed with respect to cross section of the body portion, the outer extremity of the extension being flat, while the edges thereof are in parallelism longitudinally and at right angle to the flat portion and having a plurality of teeth diagonally crossing the straight plane of the ex-



tension, integrally joined thereto, and spaced therealong, said teeth each being rectangular in cross section, the terminal ends of which are at right angle outward from the plane of the extension and the said ends obliquely angling inward from their respective edges, and the said bar being reversible to forwardly position either end of the teeth with respect to the direction of rotation of a cylinder, and means in the body portion at each side of the extension to secure the bar to a cylinder as reversed selectively.

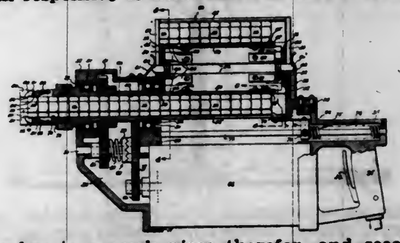
2,256,011
DRAFTING INSTRUMENT
John McK. Ballou, Los Angeles, Calif., assignor to S. M. Tymann and Leo Schinagel, doing business as Advance Aircraft Tool Company, Los Angeles, Calif.
Application March 11, 1941, Serial No. 382,767
4 Claims. (Cl. 33—30)



1. In apparatus of the character described, a frame, a clip centrally secured to said frame, said clip being provided with a plurality of fastening ears engaging the underside of said frame, a pinion and spindle rotatably mounted between said clip and the upper side of said frame, lugs bent down from the underside of said frame with faces lying in a transverse plane thru the axis of said spindle, retaining tongues formed from the frame material on its underside, and a measuring scale with parallel edges slidably retained on the underside of said frame by contact with two of said ears and said lugs and said tongues, said scale being provided with limit stops to prevent its removal from said frame.

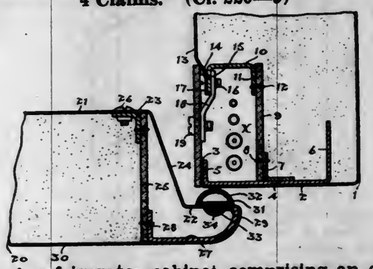
2,256,012
AUTOMATIC TOOL
Walter Blair, Detroit, Mich., assignor of one-fourth to Charles L. Brown, Detroit, Mich.
Application August 7, 1939, Serial No. 288,817
9 Claims. (Cl. 81—125)

4. In a tool device, a barrel having a longitudinal bore with a series of attachment members residing in co-alignment therewithin and movable therealong, said bore having an outlet at one of its ends for the members, means for exerting a force upon the members to protract the latter in the direction of said outlet, pawl means supported for movement about an axis between a pair of positions therefor at one of which said pawl means resides in the path of protraction of the foremost member in said bore to oppose said protraction and at the other of which said pawl means resides in lateral spaced relation to said path responsive to attachment of said foremost



member to a work piece therefor, and second pawl means resiliently carried by said first pawl means for movement substantially unitarily therewith about said axis and extensible into position ahead of the member next in line to said foremost member for normally urging said first pawl means into said first mentioned position therefor and opposing protraction of said next-in-line member.

2,256,013
REFRIGERATOR CABINET FRAME CONSTRUCTION
William H. D. Brouse, Toronto, Ontario, Canada
Application April 14, 1938, Serial No. 201,920
4 Claims. (Cl. 220—9)

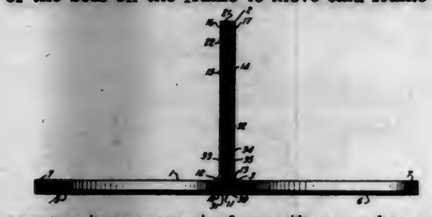


1. A refrigerator cabinet comprising an outer sheet metal shell having an inturned terminal edge flange, a reinforcing sheet metal strip arranged within said outer shell having a flange to coincide with the flange of the shell and a flange spaced therefrom, a rigid strip of insulating material secured to said metal strip intermediately between its flanged edges, a flanged metal strip secured to the inward edge of said insulating strip, an inner shell of sheet metal supported on said flanged metal strip, and an insulating closure member extending between the outward edge of the inner shell and the inward edge of the outer shell.

2,256,014
SIGNALING DEVICE
Horace N. Carver, Wichita, Kans.
Application January 15, 1938, Serial No. 185,169
2 Claims. (Cl. 248—176)

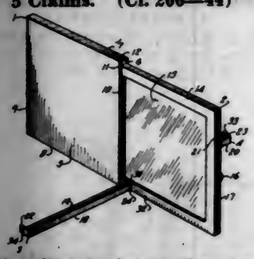
1. A road signal including a frame adapted to carry a signal element, a pair of duplicate mating members arranged on opposite sides of the frame and normally forming an enclosure therefor, said members having adjacent cut-out por-

tions, bosses on the members extending laterally therefrom adjacent said cut-out portions, a boss on the frame extending through said cut-out portions adjacent the bosses of said members, and means hinging said bosses together to swingingly interconnect said frame and mating members, portions of said members bounding said cut-out portions being engageable with portions of the boss on the frame to move said frame in



response to movement of a mating member outwardly relative to the other mating member, the boss on said frame being reduced at its inner end to allow said mating member portions to pass by the same and having relatively flat outer portions for engagement by one of said mating member portions when the latter is in substantially perpendicular relation to the other mating member portion.

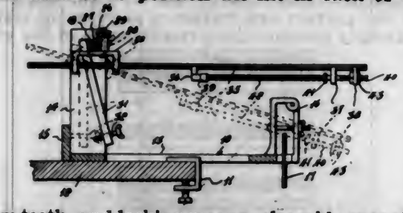
2,256,015
SIGNALING DEVICE
Horace N. Carver, Wichita, Kans.
Application April 21, 1938, Serial No. 203,348
5 Claims. (Cl. 206—44)



1. In a signaling device of the character described, a housing having top, bottom, side and end walls, a signaling element slidably mounted in the housing, one of said housing end walls comprising a section having one end pivotally mounted on another of said walls, the other end of said section being movable away from the housing and laterally of the side walls thereof to allow movement of the signaling element outwardly relative to the housing and for engaging a support for the housing to maintain the housing upright and the signaling element in operative condition, and a substantially duplicate section having one end pivoted to the wall pivotally supporting the other section and cooperating with said first named section in forming said end wall, the other end of said second named section being movable laterally of the housing in a direction substantially opposite to the first named section to cooperate with the first named section in forming a support for the housing and the signaling element.

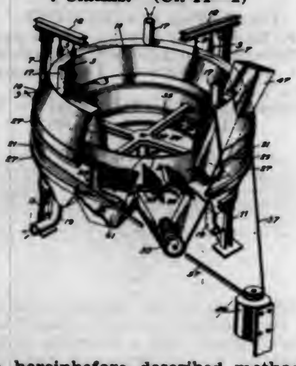
2,256,016
SAW CLAMP AND FILE GUIDE
Jacob W. Coghlan, Walsenburg, Colo.
Application December 1, 1938, Serial No. 243,456
1 Claim. (Cl. 76—31)

In a device of the class described a frame having clamping means adapted to removably support a saw, a rod rotatably mounted in said frame and provided with a plurality of rows of notches, a yoke shaped member loosely mounted on said rod, a bar slidably mounted in said yoke and adapted to removably support a file, means carried by said yoke to successively engage a row of said notches to position the file in each of the



saw teeth, and locking means releasably engaging one end of said rod for selectively positioning the rows of notches relatively to said aforementioned means, an arm depending from said yoke and provided with a set screw at its free end to engage a portion of said frame for limiting the vertical swinging movement of the file supporting rod in one direction relatively to the saw.

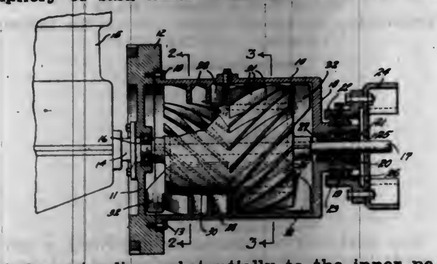
2,256,017
COAL TREATMENT
Maurice Donovan Curran, St. Louis County, Mo.
Application April 28, 1937, Serial No. 139,532
7 Claims. (Cl. 44—1)



1. The hereinbefore described method of removing volatile smoke-producing material from coal which comprises passing a hot gas over coal which carries with it the vapor of a normally liquid aromatic substance that is effective to free the coal of its smoke-producing hydrocarbons while maintaining the coal at a temperature sufficient to maintain the normally liquid substance in a gaseous state and remove smoke-producing volatiles from the coal.

2,256,018
HYDRAULIC CLUTCH
John Custer, Detroit, Mich.
Application September 25, 1939, Serial No. 296,438
5 Claims. (Cl. 192—58)

1. In a hydraulic clutch for coupling an engine to a load, a rotatable outer drum containing a quantity of liquid, said drum having a plurality of spaced internal blades around the periphery thereof, an inner rotatable drum within said outer drum and having a plurality of external blades spaced around its periphery, said internal blades extending substantially to the outer periphery of said inner drum and said external



blades extending substantially to the inner periphery of said outer drum and overlapping said internal blades.

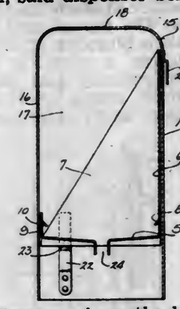
2,256,019
THERMOHYDROMETER
Harold W. Eden, Chicago, Ill., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application May 29, 1940, Serial No. 337,815
5 Claims. (Cl. 265—46)



1. In a bulb hydrometer including a barrel having a lateral opening adjacent one end, an apertured cap forming a nozzle at said end for attaching a hose, a suction bulb at the other end and a weighted gravity float shiftable endwise in the barrel, the combination of a grommet having a passage therethrough positioned with one end projecting through the lateral barrel opening, a portion of said grommet at the inside end extending into the barrel beneath the float providing a support therefor, a recess in the lower side of said portion of the grommet to receive the bulb of a thermometer, the other end of said grommet being outside the barrel, and a thermometer having a bulb in the recess extending in sealed relationship through the passage in said grommet to a position outside the barrel forming thereby a visual temperature indicator for liquid drawn into the barrel to be measured.

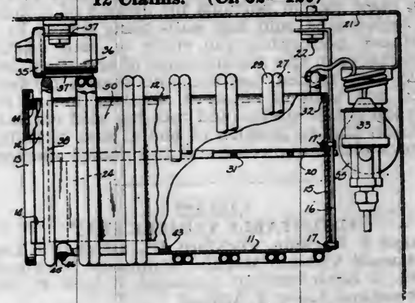
2,256,020
DISPENSER FOR PAPER ARTICLES
John B. Engel, Green Bay, Wis., assignor to Bay West Paper Company, Green Bay, Wis., a corporation of Wisconsin
Application June 17, 1940, Serial No. 340,867
5 Claims. (Cl. 312—50)

1. The combination with a cabinet in the form of an inverted shell open at its bottom and having a weathertight joint throughout front, back, sides and top in permanent connection, of a paper article dispenser fitted to said shell and freely receivable and removable through its bottom, and means for releasably supporting the dispenser in the shell, said dispenser being supported at a



sufficient distance above the bottom of the shell to protect the contents, including the article presented for withdrawal, from exposure to the elements.

2,256,021
FREEZING APPARATUS
John F. Furry, Galesburg, and Arthur D. Ames, Lake Bracken, Ill., assignors to Outboard, Marine and Manufacturing Company, Waukegan, Ill., a corporation of Delaware
Application April 15, 1939, Serial No. 268,042
12 Claims. (Cl. 62—126)

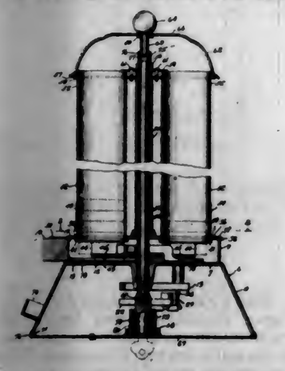


5. In a refrigerating apparatus, a freezing chamber and an adjacent source of artificial light, said chamber including the combination of a base, a removable elongated housing of U-shaped transverse section, an interior shelf supported and spaced from said base, a refrigerant conducting conduit encircling and spaced from the sides and top of the freezing chamber and having its bottom portion rigidly secured to the base to permit heat transfer between the conduit and the base, and a rear wall enclosing the end of said housing and adapted to admit rays of said artificial light from the blue-green end of the spectrum while excluding heat rays.

2,256,022
DISPENSING MECHANISM
William A. Gabriel, Oakland, Calif., assignor to Sanitary Vending Company
Application December 24, 1938, Serial No. 247,619
5 Claims. (Cl. 312—64)

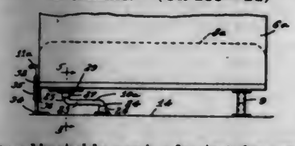
1. A dispensing mechanism comprising, a base casing having a top wall and an upstanding cylindrical collar circumscribing said wall, said collar being formed with a discharge opening therein for articles to be dispensed, an ejector mounted substantially centrally on said top wall

and having a part extending through said opening for manual displacement of said ejector to and from said opening, a carriage rotatably mounted on said base casing and including a horizontal plate positioned above said ejector and being supported on the top of said collar and being provided with a plurality of circumferentially spaced openings, a plurality of vertical article containers carried by said plate in said last named openings, article receiving means carried by said plate under said openings and



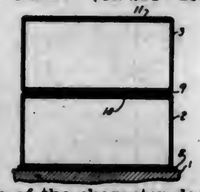
including a bottom wall and opposed circumferentially spaced side walls, said containers having open bottom portions for deposit of articles in said means, said side walls being spaced by a distance permitting the entry of said ejector therebetween and the discharge of an article into said first named opening, and means between said side walls of adjacent receiving means for engaging said ejector and rotating said carriage into an aligned position of one of said receiving means with said ejector and first named opening.

2,256,023
ADJUSTABLE VEHICLE SEAT
Joseph F. Harmon, Rockford, Ill., assignor to The Atwood Vacuum Machine Company, Rockford, Ill., a copartnership composed of Seth B. Atwood and James T. Atwood
Application January 22, 1940, Serial No. 314,929
3 Claims. (Cl. 155—14)



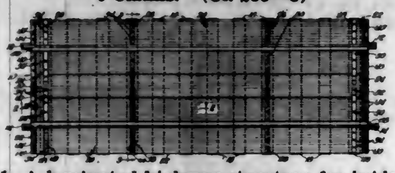
1. An adjustable seat adapted for use in automobiles and the like comprising in combination with a seat adapted to extend an appreciable portion of the width of the interior of the vehicle, means providing an upright pivotal support for that end of the seat remote from the driver's position, a crank member having substantially parallel upright pivot pin ends spaced longitudinally with respect to the seat for adjustably supporting the driver's end of the seat, a fixed bearing support for one of said pivot pins adapted to be secured to the floor under the driver's end of the seat, another bearing support for the other pivot pin carried on a slide working in a guide adapted to be secured to the bottom of the seat extending longitudinally with respect thereto, and means for securing the seat in adjusted position.

2,256,024
APPARATUS FOR STACKING ARTICLES
Irving Hill, Lawrence, Kans.
Application November 24, 1939, Serial No. 305,953
1 Claim. (Cl. 214—10.5)



In a device of the character described, a substantially plane sheet, opposite faces of said sheet being of adhesive character relative to contacting surfaces of stacked articles.

2,256,025
LAMINATED RAILROAD CROSSING
Percy E. Hoak, Des Moines, Iowa
Application September 3, 1940, Serial No. 355,208
6 Claims. (Cl. 238—8)



1. A laminated highway structure for bridging railway ties and rails comprising a series of laminated units including planks free from interlocked engagement respectively with each other positioned face to face and resting edgewise on the ties with the long cross sectional dimension extending veritically, a row of said units being positioned endwise relative to each other in parallel rows covering portions of the ties between the rails, means for securing the ends of said units comprising a set of plates for each end each having an upper element extending over the full width adjacent the ends of said respective units lying next to the rails wherein the ends of the upper elements lie adjacent and spaced from each other, an intermediate portion of said plate overlying the flat vertical side of a plank adjacent the rail, and a lower leg positioned beneath the rail the plates having fasteners extending through said plates and ties respectively to hold the units in place.

2,256,026
BINOCULAR
Fred Husar, Chicago, Ill.
Application August 2, 1939, Serial No. 288,005
2 Claims. (Cl. 88—41)



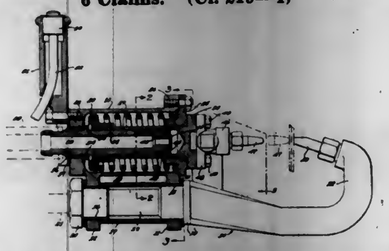
1. In an instrument of the character described, in combination with a spectacle frame-work comprising, a bridge member, and temple bar members provided with forward extensions swivelably secured to the said bridge member, lens retaining means, intermediate link members pivotally secured at one of their ends to the forward extensions of the said temple bar members, their other ends having perpendicularly bent portions pivotally and adjacently secured to the said lens retaining means, and further provided with offset portions at the ends of the said perpendicularly bent portions cooperating with the said lens retaining means to function as stop means, and a single lens member interchangeably and removably mounted in the said lens retaining means, thus permitting both eyes of an observer to view an object simultaneously thru the focal center of the said lens member.

2,256,027
FLUID COOLED ELECTRIC CONDUCTOR
Albert D. Jardine and Harry V. Beronius, Detroit, Mich.
Application April 15, 1940, Serial No. 329,712
2 Claims. (Cl. 174—15)



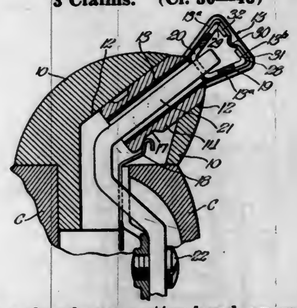
1. A liquid cooled electric cable comprising a conductor, a sheathing of electric insulating material enclosing said conductor, an open-ended conduit for flow of a cooling fluid and arranged in said sheathing in heat transfer relation with said conductor, spaced sealing means sealing the spaces between said conductor and said sheathing and between said conductor and said conduit, means in said conduit to prevent direct flow therethrough and disposed intermediate said sealing means, fluid outlets in said conduit anterior to said third-named means, and fluid inlets in said conduit posterior to said third-named means.

2,256,028
PORTABLE WELDING DEVICE
Albert D. Jardine and Harry V. Beronius, Detroit, Mich.
Application March 17, 1941, Serial No. 383,691
6 Claims. (Cl. 219—4)



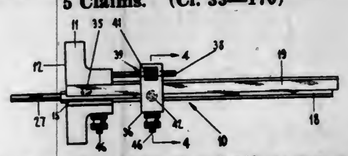
1. In a portable welding device, a supporting member, a conductor member carried by said supporting member and having an electrode, a reciprocable cylinder carried by said supporting member and carrying an electrode for cooperation with the first-named electrode, an open ended tubular piston in said cylinder and having an outer end for connection by a flexible conduit to a source of fluid pressure to move said cylinder in one direction, said cylinder being reciprocable relative to said piston and said supporting member being rotatable relative to said piston, and means for moving said cylinder in the opposite direction.

2,256,029
DRY SHAVER CUTTER HEAD
Andrew S. Knapp, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application February 21, 1938, Serial No. 191,699
3 Claims. (Cl. 30—43)



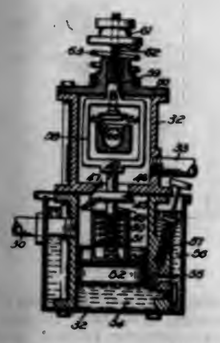
1. In a dry shaver cutter head, an outer cutter member of uniform thickness having a cutting face portion, said portion having a plurality of series of slots extending partially across the width thereof and defining thereby a plurality of cutting teeth in each of said series, an inner cutter member coacting with each of said series of cutting teeth, said slots being arranged on opposite sides of the center of said cutting face portion and being wider in one series than the slots in the other series, and a relatively narrow imperforate separating and reinforcing rib on said cutting face between said series of slots forming an inwardly extending depression, said rib having a depth not greater substantially than the thickness of said inner cutter member, said rib being adapted to sustain the teeth on said cutting face against bending, under the pressure produced by normal shaving operations.

2,256,030
COMBINATION VERNIER CALIPER, DEPTH GAUGE, AND HEIGHT GAUGE
Joseph Lipani, Brooklyn, N. Y.
Application January 13, 1941, Serial No. 374,198
5 Claims. (Cl. 33—170)



1. In a combined vernier depth gauge, caliper and height gauge, comprising a body having a dove-tailed groove, two scales having a combined trapezoidal cross-section mounted within said groove, one of said scales being narrower than the other, each of said scales having a threaded aperture at one end, an extension rod of predetermined length having a threaded end for threadably securing in the threaded aperture of said narrow scale, said narrow scale having the zero reading at the threaded end, means for locking said wider scale to said dove-tailed body, a hollow member having means for locking to said narrow scale, said body having a threaded extension, said hollow member having threaded means in engagement with said threaded extension, whereby rotation of said threaded means will move said narrow scale for measuring distance in relation to said body, and means for aligning said scales during said measuring.

2,256,031
VALVE APPARATUS FOR PUMPING SYSTEMS
Irvin E. Litz, Denver, Colo.
Application December 16, 1938, Serial No. 246,089
2 Claims. (Cl. 277—44)



1. An intermittently operable accumulator comprising an accumulating chamber inclusive of means suitable for connecting said chamber with a source of gas under pressure and inclusive of an exhaust port, an escapement chamber, a piston operable in said chambers and positioned to separate them, a spring-closed valve positioned at said exhaust port to govern the flow of fluid from the accumulating chamber, spring means connecting the piston with the valve whereby said valve is opened by movement of the piston away therefrom, and a body of liquid having limited escapement yieldingly confined in said escapement chamber in a position to be pressed by said piston when the piston is acted upon by accumulating gas under pressure in said accumulating chamber whereby movement of the piston under the influence of accumulating gas is retarded.

2,256,032
HOLLOW-GROUND SAFETY RAZOR BLADE AND SHARPENER
Frank E. McKee, Oklahoma City, Okla.
Application July 6, 1939, Serial No. 283,006
3 Claims. (Cl. 30—337)



1. In a hollow ground razor blade sharpener of the class described, a blade holder comprising a hand hold, a movable jaw and a fixed jaw for longitudinally gripping a razor blade, a hollow ground razor blade having end cross-groove means for cooperating with the said jaws, an adjusting arm for the movable jaw, knurled nut and screw means for reciprocating the said arm and movable jaw, an arched hump on the adjusting arm between the two jaws, the said blade having a longitudinal groove in the back thereof for co-acting with the hump of the adjusting arm against displacement of the blade, a filler guide for the adjusting arm and an enclosing sheath for the said arm and said filler guide.

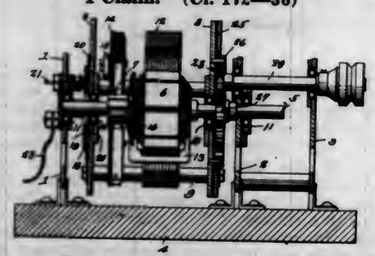
2,256,033
METHOD OF MAKING REFRACTORY BODIES OF TIN OXIDE
Dan McLachlan, Jr., Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
No Drawing. Application May 18, 1940, Serial No. 336,038
4 Claims. (Cl. 25—156)

1. Method of making a refractory body which comprises molding a batch containing a substantial amount of stannic oxide, firing the molded body at a temperature and for a time sufficient to sinter it to a coherent porous mass, impregnating the porous body with a solution containing a salt of a metal which when raised to sintering temperatures will accelerate the shrinkage of the refractory, the amount of metal introduced into the body being equivalent, as oxide, to .5%–2% of the weight of the body, drying the impregnated body and firing it in an oxidizing atmosphere at 1300°–1500° C.

2,256,034
ARTIFICIAL LEATHER SUBSTITUTE
Carl Ludwig Nottebohm, Weinheim, Baden, Germany, assignor to the firm Carl Freudenberg, Weinheim, Baden, Germany
No Drawing. Application February 26, 1938, Serial No. 192,893. In Germany December 3, 1936
9 Claims. (Cl. 154—2)

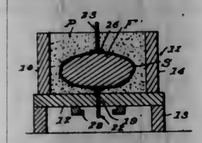
1. In a process for the manufacture of unwoven sheet products resembling artificial leather by complete, thorough impregnation of carded fiber fleeces with liquid binding agents between rollers, the improvement comprising pretreating each fiber fleece individually on one side superficially with agglutinating substances in such quantities as to produce after drying, a surface, which is as close as possible and which prevents the binding agent used for the subsequent complete thorough impregnation from penetrating too easily, drying each fiber fleece directly after this treatment individually bringing two dried fleeces together between a pair of rollers in such a manner that the pretreated sides of the fleeces are on the outside, and introducing the binding agent between said fleeces, whereby complete penetration and binding of the fleeces to a substantially single sheet product takes place, which is dried and pressed.

2,256,035
MOTOR
Rutherford B. Potter, Santa Barbara, Calif., assignor by order of court to Sadie E. Potter
Application February 19, 1940, Serial No. 319,793
1 Claim. (Cl. 172—36)



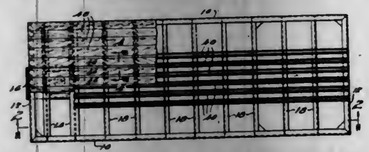
In a motor the combination with fixed bearing members, of parallel shafts journalled therein, meshing gears secured to the shafts, an armature connected to one of the shafts, and a structure, including field coils, mounted for rotation on said armature shaft, said structure including fixedly connected disks at opposite sides of and spaced from the armature, an internal gear secured to one of the disks and positioned to receive motion from the gear on the armature shaft through the gear on the other shaft, all of the gears being proportioned to the relative speeds of the armature and the field coil structure for transmitting motion in one direction from the armature shaft and from the rotatable structure to the other shaft, a commutator rotatable with the armature, brushes rotatable with the field coils, and cooperating with the commutator, spaced insulated contact rings on one of the disks, and electrically connected to the respective commutator brushes, and brushes carried by one of the fixed bearing members for contact with the respective rings and connection with the leads of an electric circuit.

2,256,036
MATRIX OR MOLD APPARATUS AND METHOD OF MAKING SAME
Rufus P. Redmond, Saratoga Springs, N. Y.
Application December 13, 1938, Serial No. 245,474
11 Claims. (Cl. 18—44)



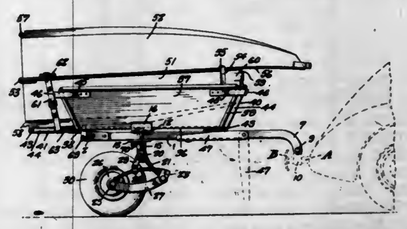
1. In the making of a foot last mold from a body in plastic condition having a parting strip therein, positioning the parting strip within the plastic body, and thereafter pressing the foot against the parting strip to conform the parting strip to the contour of the adjacent portion of the foot counter to the action of the plastic body.

2,256,037
VEHICLE FLOOR STRUCTURE
Frederick M. Reid, Detroit, Mich., assignor to Fruehauf Trailer Company, Detroit, Mich., a corporation of Michigan
Application March 6, 1941, Serial No. 381,993
4 Claims. (Cl. 296—28)



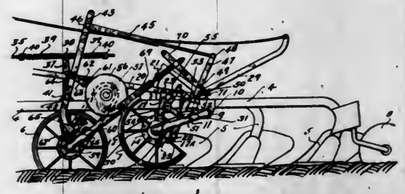
1. In a vehicle frame and floor structure, in combination, a pair of transversely spaced longitudinally extending metallic side members, a plurality of longitudinally spaced metallic cross-members interconnecting said side members and rigidly secured thereto substantially in the plane of said side members to provide a frame substantially devoid of major draft transmitting elements extending longitudinally thereof below the same, draft applying means secured to the lower face of at least one of said cross-members adjacent the forward end of said structure, wheel supporting means secured to the lower face at least two of said cross-members adjacent the rear end of said structure, a plurality of angularly sectioned metallic members arranged longitudinally of said structure over the central portion thereof in transversely spaced relation with respect to each other and overlying said cross-members and connecting the first mentioned of said cross-members with the last mentioned of said cross-members, and wooden flooring elements overlying said cross-members and cooperating with said angularly sectioned metal members to provide a complete floor surface for said structure.

2,256,038
BOAT CARRYING TRAILER
Alvie C. Woodruff, Juntura, Oreg.
Application January 29, 1940, Serial No. 316,238
2 Claims. (Cl. 280—106)



1. In a motor vehicle trailer, a wheeled chassis including a substantially U-shaped frame having its bight portion rearwardly disposed, said frame being made up of a pair of members having downwardly curved forward ends for connection to the vehicle, means pivotally connecting the rear ends of the members together to allow adjustment thereof toward and way from each other, a spring strip secured to and following the shape of the bight portion for urging the members toward each other, and adjustable bracing means for said members and secured thereto and bridging the same.

2,256,039
SELF-LIFTING PLOW
Perry C. Axtell, Moro, Oreg.
Application May 16, 1940, Serial No. 335,625
12 Claims. (Cl. 97—72)



1. In a tractor-drawn series of plows wherein each plow is provided with means for raising and lowering the plow shares relative to the surface being operated on, means for manually operating the raising and lowering mechanism of the leading plow from the tractor or power operator, means for controlling the raising and lowering mechanism of the following plow, and means automatically operated by the raising and lowering mechanism of the leading plow to compelling actuation of the controlling means of the following plows to produce an operating condition of the following plow in accordance with the operating condition of the leading plow.

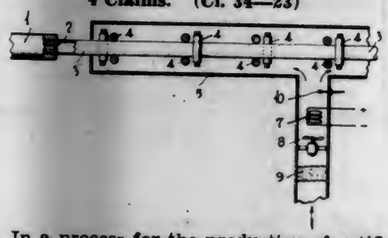
2,256,040

PROCESS FOR DRYING ARTIFICIAL GUT PRODUCED FROM ANIMAL FIBROUS MATERIAL

Oskar Walter Becker, Heidelberg, and Emil Weiss, Weinheim, Germany

Original application October 10, 1936, Serial No. 105,144. Divided and this application November 12, 1937, Serial No. 174,258. In Germany October 15, 1935

4 Claims. (Cl. 34—23)



1. In a process for the production of artificial gut from fibrous animal starting materials by treating the said starting materials with swelling chemicals and finally with bases, shredding the swollen material, extruding the resulting swollen fibrous masses from a nozzle containing an annular orifice and drying the resulting artificial gut by passing unsaturated, hot, drying air thereover, the improvement which consists in adjusting the temperature of the unsaturated, hot drying air throughout the entire drying step to a temperature which when registered by a wet thermometer of a psychrometer arranged in such drying air does not exceed 22° C. whereby the temperature of the drying artificial gut does not exceed 22° C.

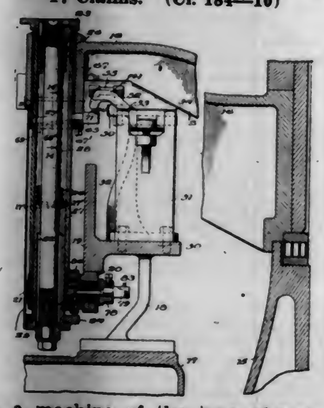
2,256,041

LUBRICATING SYSTEM

Frank S. Bell, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York

Application July 20, 1939, Serial No. 285,607

17 Claims. (Cl. 184—10)



1. In a machine of the type wherein a set of relatively movable instrumentalities requiring lubrication are mounted for movement along an orbital path, means for supplying lubricant to said instrumentalities, said means comprising a relatively stationary lubricant delivery means, an elongated, imperforate lubricant transfer arm having a smooth, continuous undersurface substantially fixed with respect to said path and positioned to receive lubricant from said delivery means, lubricant collecting means mounted for movement with said set of instrumentalities, positioned to receive lubricant by wiping contact with said surface during said movement along said path, and means for conducting the lubricant from said collecting means to said instrumentalities.

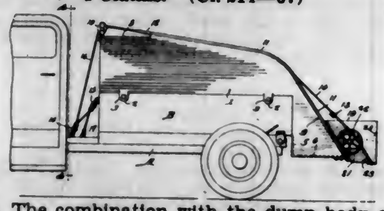
2,256,042

SELF-LOADING ATTACHMENT FOR VEHICLE DUMP BODIES

John Skelton Boone and John L. Caldwell, Chapel Hill, N. C.

Application August 28, 1940, Serial No. 354,610

4 Claims. (Cl. 214—67)



1. The combination with the dump body of a truck, of a housing detachably joined to the body and opening into the top and back thereof, said housing having an inlet opening in its top, a track on the housing inclined upwardly from the lower portion of the back thereof to the opening, a carrier movable along the track and normally supported on the back portion thereof, and means operated by the upward movement of the dump body for moving the carrier along the track and upwardly to the opening, said means including a bail pivotally connected to the carrier, flexible elements connected at one end to the bail and extended over the housing, said elements being anchored at their other end, and fixed and movable sheaves about which said elements are looped, the movable sheaves being mounted on the body.

2,256,043

SKIRT DISPLAY FORM

Morris Cohen, Washington, D. C.

Application December 17, 1940, Serial No. 370,550

1 Claim. (Cl. 223—68)



A skirt display form comprising an elongated body portion to be vertically arranged in use and adapted to have the skirt applied to its front side, a stand to be arranged at the rear of the body portion and terminating at its upper end at an elevation substantially beneath the top of the body portion, said stand including a vertical rod and a horizontal rod carried thereby, and a pair of hooks secured to the body portion and disposed upon its rear side and at an elevation substantially beneath the top of the body portion, said hooks being spaced so that they may be mounted upon the horizontal rod upon opposite sides of the vertical rod, to entirely conceal the horizontal rod as well as the upper portion of the vertical rod of said stand.

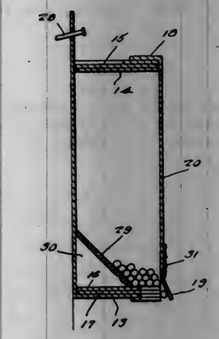
2,256,044

MATCH CONTAINER AND DISPENSER

Luther W. Copeland, Como, Miss.

Application May 2, 1939, Serial No. 271,409

1 Claim. (Cl. 206—31)



A combination match container and dispenser comprising a box-like structure including a vertical front wall, said front wall being slit at its lower edge to separate the same from the bottom of the box-like structure and upwardly a substantial distance at its side edge portion to define an outwardly movable flap adjacent the bottom of the box-like structure, said flap being adapted to be flexed outwardly to release matches from the bottom of the box-like structure and a striker strip disposed across the front wall of the box-like structure and having end portions disposed in overlapping position and secured to the side walls of the box-like structure, said strip being adapted to reinforce the front wall just above the flap to prevent upward tearing of the flap.

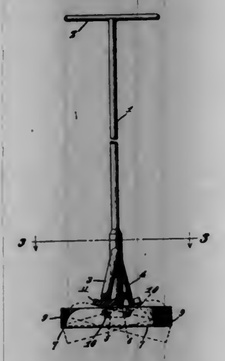
2,256,045

CATCH BASIN CLEANING DEVICE

Kenneth Dargitz, Mount Pleasant, Mich.

Application January 6, 1941, Serial No. 373,337

7 Claims. (Cl. 294—53.5)



1. A catch basin cleaning device comprising a handle, a pair of parallel arranged elongated pan like buckets pivotally associated with the handle upon opposite sides thereof and having one of their ends open, and said buckets being arranged for disposal of the open ends in opposite directions.

2,256,046

FOUNDRY COMPOSITION

Harry W. Dietert, Detroit, Mich., assignor to Peerpatco Incorporated, a corporation of Delaware

No Drawing. Application March 14, 1941, Serial No. 383,407

4 Claims. (Cl. 22—188)

1. In a composition of matter of the class described, a foundry binder consisting of boric anhydride and a preponderance of clay.

2,256,047

FOUNDRY COMPOSITION

Harry W. Dietert, Detroit, Mich., assignor to Peerpatco Incorporated, a corporation of Delaware

No Drawing. Application March 14, 1941, Serial No. 383,423

5 Claims. (Cl. 22—188)

1. In a composition of matter, a mold composition consisting of a preponderance of sand, a clay of which montmorillonite is a large constituent and an added amount of iron oxide.

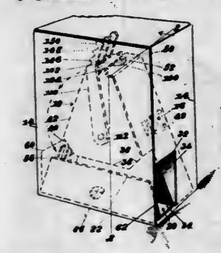
2,256,048

ANIMAL TRAP

Samuel J. Evans, Princeton, W. Va.

Refiled for abandoned application Serial No. 76,668, April 27, 1936. This application August 1, 1939, Serial No. 287,855

6 Claims. (Cl. 43—75)



1. In an animal trap, an animal operated treadle comprising a plate adapted to occupy a substantially horizontal elevated position above said base, a flange formed on said plate having slots formed in the ends thereof, there being slots in said base interlocking with said first-mentioned slots, said interlocking slots providing a knife edge pivotal support for said treadle, and spring means for maintaining said plate in elevated position.

2,256,049

HEATER

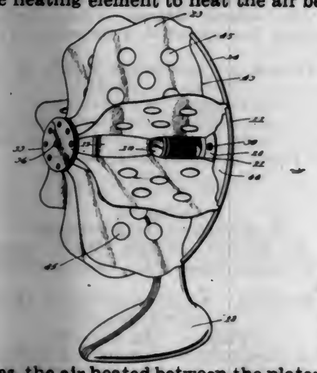
George B. Gallup, Bradenton, Fla., assignor of one-half to William B. Johnson, Charlotte, N. C.

Application September 4, 1940, Serial No. 355,398

9 Claims. (Cl. 219—34)

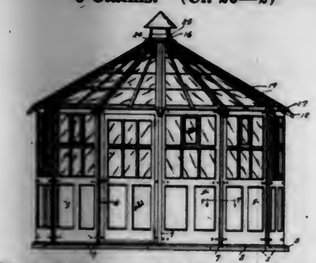
1. In combination with a heater having a curved reflecting surface, said surface having an axis along which radiant energy is directed thereby, a heating unit extending outwardly from said surface, and spaced metallic plates in such relation to said reflecting surface as to absorb radiant energy therefrom, said plates extending generally radially from and substantially parallel to said axis, said plates being disposed substantially parallel to said heating unit and in close proximity thereto but spaced therefrom so as to intercept

and utilize a part of the radiant energy issuing from the heating element to heat the air between



the plates, the air heated between the plates being diffused radially and outwardly form the sides of the heater.

2,256,050
BUILDING
Ray C. Hansen, Portland, Oreg., assignor to M and M Wood Working Company, Portland, Oreg., a corporation of Oregon
Application August 28, 1939, Serial No. 292,225
6 Claims. (Cl. 20—2)



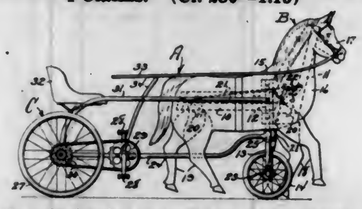
1. In a house construction, a foundation of polygonal form comprising a set of trapezoidal elements, one for each side of said polygon, said elements having their short bases outwardly, a second set of trapezoidal elements overlying said first set and attached thereto in overlapping relationship with their long bases outwardly, and a plurality of identical wall panels, one of said wall panels being supported in upstanding relation by each element of said second set of trapezoidal elements.

2,256,051
MATERIAL EXCAVATING, LOADING, TRANSPORTING AND PLACING MACHINE
Jack B. Halle, Detroit, Mich., assignor to Gar Wood Industries, Inc., a corporation of Michigan
Application August 10, 1938, Serial No. 224,131
10 Claims. (Cl. 37—126)



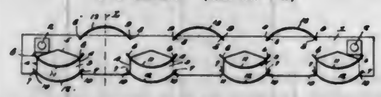
1. In a machine of the class described, a frame, a material load receiving bowl and scraper element mounted on said frame, ground wheels adjacent one end of said frame, resilient means interposed between said wheels and said frame for normally urging said scraper element and bowl upwardly, and hydraulic means for elevating and lowering said scraper element relative to said wheels.

2,256,052
VELOCIPEDE
Joseph Alfred La Bille, Chicago, Ill.
Application December 20, 1939, Serial No. 310,241
4 Claims. (Cl. 280—1.15)



1. A velocipede comprising a sectional body frame, a steering fork connecting the sections of said frame together and turnable by one of said sections, an image built about said frame and having movable legs and a flexible neck, the latter movable with the turnable section, a wheeled vehicular part connected with the steering fork, a steering wheel journaled in said fork, and means operated by the steering wheel for imparting motion to the said legs.

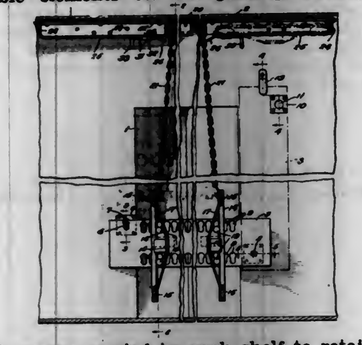
2,256,053
DRAIN PAN
George Raymond Lindahl, Los Angeles, Calif.
Application November 19, 1940, Serial No. 366,305
6 Claims. (Cl. 62—1)



1. A drain pan including superposed spaced troughs arranged in laterally spaced pairs, the upper troughs having drain openings, arcuate baffles bridging the spaces between said pairs and overlapping the upper troughs, spaced bars engaged by and connecting the side edges of the troughs and baffles, there being recesses in the bars bridged by the troughs.

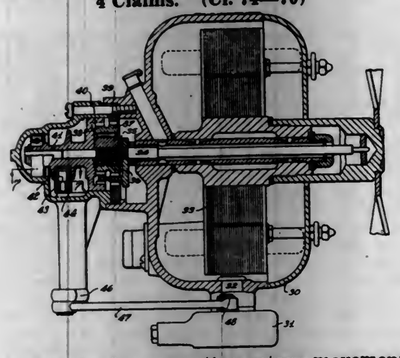
2,256,054
FREIGHT CAR BULKHEAD
Alva McEwen, McComb, Miss.
Application February 24, 1941, Serial No. 380,351
3 Claims. (Cl. 105—369)

1. In combination with a freight car and removable bulkheads, shelves adjacent the ceiling of the car and on opposite sides thereof, guiding means above and substantially parallel with each shelf, flexible suspending elements connecting the ends of the bulkheads with the guiding means and adapting the bulkheads to be raised and lowered and the effective lengths of the flexible elements to be varied by rotating the bulkheads to wind the flexible elements thereon or unwind the same therefrom, whereby when the bulkheads are rotated to reduce the effective lengths of the flexible elements so that the bulkheads are disposed adjacent the shelves the bulkheads may be guided into and out of engagement with the shelves by movement of the flexible elements on the guiding means, and



latch means carried by each shelf to retain the bulkheads thereon.

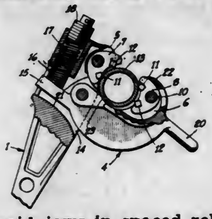
2,256,055
OSCILLATING DEVICE
Karl K. Probst, Detroit, Mich., assignor to himself and J. H. Shoemaker, as trustees for Probst-Shoemaker-Merrill Company
Application March 13, 1939, Serial No. 261,499
4 Claims. (Cl. 74—70)



1. Gearing for converting rotary movement of a drive shaft into oscillatory movement of a second shaft, comprising a cam member loosely mounted on said drive shaft, said cam member having a circumferential cam groove disposed with the main portion thereof in a plane non-perpendicular to the axis of said drive shaft and a relatively short portion disposed in a plane perpendicular to the axis of the drive shaft and constituting a dwell, a radial lever on said second shaft having a roller on its free end disposed in said cam groove to oscillate said lever while the roller is in said main portion of said groove and to hold said lever stationary while the roller is in said dwell portion, and speed reducing gearing connecting the drive shaft with said cam member for rotating the cam member at a slower speed than the drive shaft.

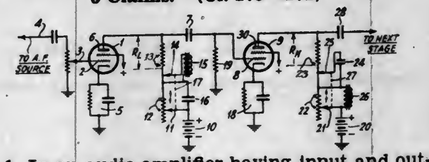
2,256,056
TUBING TONG
James P. Ratigan, Los Angeles, Calif.
Application June 19, 1940, Serial No. 341,362
5 Claims. (Cl. 81—91)

1. In a tubing tong, the combination of: a handle jaw; a pivoted jaw having a curved inner surface facing said handle jaw hingedly secured to said handle jaw for movement toward and away therefrom; a tubing engaging bit secured to the inner surfaces of each of said jaws in such relative locations that one of said bits lies beyond a diametrical line passing through the other of said bits and the center of a tubing placed between said jaws and engaged with said curved surface; an auxiliary tubing engaging bit carried



by each of said jaws in spaced relation to said first-named bits; and means securing said auxiliary bits against movement toward said tubing relative to said first-named bits beyond a position disposing said auxiliary bits in close spaced relation to said tubing when said first-named bits are engaged therewith, whereby said auxiliary bits are engageable with said tubing when said first-named bits are forced into the surface of said tubing a predetermined distance.

2,256,057
TONE CONTROL CIRCUIT
Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 23, 1939, Serial No. 263,603
3 Claims. (Cl. 179—171)

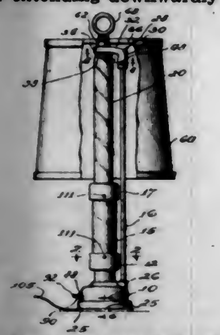


1. In an audio amplifier having input and output terminals, a passive coupling network connected across the amplifier between said input and output terminals and comprising a resistor element of fixed value, a reactance element adjustably connected to said resistor element to shunt an adjustable portion thereof, a second reactance element of opposite sign to the first reactance element arranged in series with said resistor element, a variable resistor element in shunt with said second reactance element, and uni-control means for varying the magnitudes of both resistor elements in successive order and in such a manner that at least one of said reactance elements is always short-circuited.

2,256,058
FLUORESCENT LIGHTING FIXTURE
Frank J. Roesler, Chicago, Ill., assignor to Electro Manufacturing Co., Chicago, Ill., a partnership composed of John R. Allen, Victor Nemeroff, and Danielle Nemeroff
Application April 17, 1941, Serial No. 388,923
5 Claims. (Cl. 240—81)

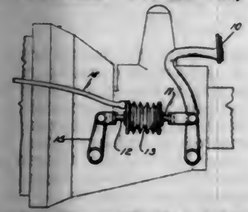
5. A fluorescent lighting fixture comprising a support adapted to house a starting mechanism, a lower socket mounted in said support, a fluorescent tube with its lower end mounted in said lower socket and extending vertically from said

support, a hollow shaft attached to and extending upwardly from said support, a hollow attachment member attached to the upper end of said hollow shaft and having a portion extending laterally above the upper end of said fluorescent tube, an upper socket attached to the upper end of said attachment member, the upper end of said fluorescent tube attached to said upper socket, a shade attached to said attachment member and extending downwardly around said



fluorescent tube to cover a substantial portion of said fluorescent tube, a covering surrounding a substantial portion of said fluorescent tube, to conceal substantially all of said fluorescent tube not concealed by said shade, and electrical conducting means extending from said lower socket through said support and from said upper socket through said attachment member, said hollow shaft and said support thence to a source of electrical supply.

2,256,059
CLUTCH CONTROL CONSTRUCTION
Elwyne O. Shreffler, Manteno, Ill.
Application January 30, 1941, Serial No. 376,604
2 Claims. (Cl. 192—99)



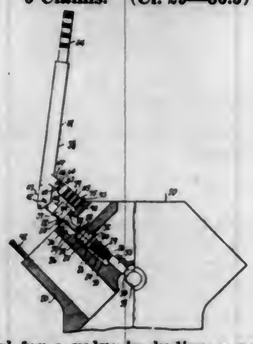
1. In combination with the clutch and intake manifold of an automotive vehicle, said clutch having a pedal and a release arm, linkage having parts between and attached to the pedal and to the release arm, a compressible air-tight member attached to and separating parts of said linkage, and an air-tight connection leading from said air-tight member to the intake manifold.

2,256,060
REINFORCING BAR
Joseph D. Stites, Onancock, Va.
Application March 29, 1940, Serial No. 326,616
4 Claims. (Cl. 72—111)



1. A twisted reinforcement bar, comprising two portions of substantially the same cross-sectional area integrally interconnected by a web of lesser cross-sectional area than either individual portion, said portions and web being twisted as a unit about the longitudinal axis of the bar, and longitudinally spaced, relatively narrow transversely extending ribs interconnecting said portions and said web.

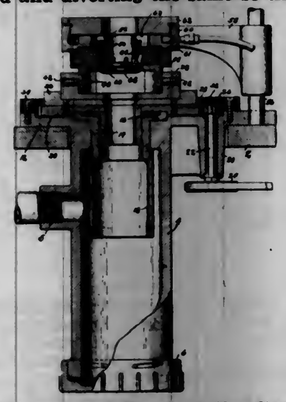
2,256,061
VALVE TOOL
Karl A. Tapken, Waterbury, Conn.
Application September 9, 1940, Serial No. 355,926
6 Claims. (Cl. 29—86.3)



1. A tool for a valve including a valve-element having a valve-head and a valve-stem, a bushing, a spring and a bushing-retainer, comprising: a body-member having a side-opening head and stem recess forming a structure to partially surround the head and stem of a valve-element; said recess being of such height as to allow longitudinal movement of the valve-element in the recess and being provided with a seat adapted to engage an upper portion of the valve-element when it is moved relatively longitudinally downwardly in the recess, and said recess being adapted to permit an upper portion of said valve-element to move transversely relatively to said body-member to admit the valve-element into the recess of said body-member and allow the valve-element to move longitudinally down to a seated position in said recess; and locking-means becoming operative when said valve-element is seated in said recess and adapted to lock said valve-element against transverse movement out of said recess from said seated position, but permitting a longitudinal upward movement followed by a transverse movement out of said recess; said body-member being adapted to be moved transversely and endwise partly into a valve-port and receive said upper portion of said valve-element in said recess while said valve-head is held raised by a tool.

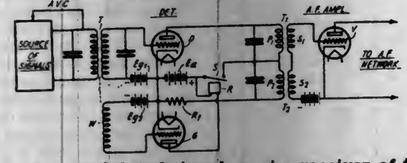
2,256,062
METHOD OF MAKING DIAMOND TOOLS
Rutherford H. Taylor, Millburn, N. J., assignor to J. K. Smit & Sons, Inc., New York, N. Y., a corporation of New York
Application April 9, 1940, Serial No. 328,640
3 Claims. (Cl. 22—202)

2. In the manufacture of diamond tools such as core bits, the method which comprises positioning diamonds in the perforations in the horizontally disposed bottom of a mold, placing a tool shank in vertical position above the mold bottom with the lower end of the shank adjacent said diamonds, and while introducing an inert gas into the mold about the exterior shank and thence about the diamonds and while rotating the assembly about the vertical axis of the mold and shank pouring molten metal vertically into the mold and diverting the same so that it flows



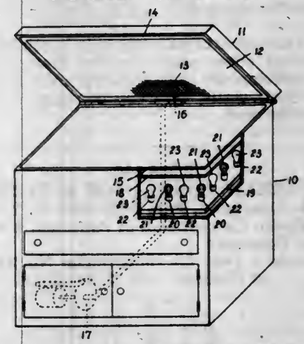
practically horizontally about the diamonds and the end of the tool shank, thereby to embed the diamonds in a metal matrix which is united to the tool shank.

2,256,063
RECEIVER NOISE CONTROL CIRCUITS
Bernardus D. H. Tellegen and Vivian Cohen Henriquez, Eindhoven, Netherlands, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application October 28, 1935, Serial No. 47,098. Renewed September 23, 1938. In Germany February 1, 1935
18 Claims. (Cl. 250—20)



1. In a modulated signal carrier receiver of the type including a demodulator having a signal input circuit, a network coupled to the demodulator output circuit and arranged to transmit therethrough the modulation component of the demodulated carrier energy, a rectifier having a high frequency input circuit, means responsive to current flow of said rectifier for greatly reducing the transmission efficiency through at least a portion of the receiver between the demodulator and the output of said network whereby the transmission through said network is impaired, means responsive to signal carrier amplitude increase for decreasing the signal transmission efficiency of a portion of the receiver preceding said demodulator to maintain the carrier amplitude at the demodulator input circuit substantially uniform, means biasing said rectifier to prevent said current flow in the absence of a high frequency voltage in the rectifier input circuit whose amplitude is greater than a predetermined amplitude of the signal carrier voltage and auxiliary means responsive to the rectifier current flow for minimizing the effect of electrical impulses produced in the receiver output by operation of said rectifier responsive means.

2,256,064
PHOTOGRAPHIC REPRODUCTION APPARATUS
John B. Tupper, Upper Montclair, N. J.
Application June 8, 1940, Serial No. 339,417
7 Claims. (Cl. 95—73)



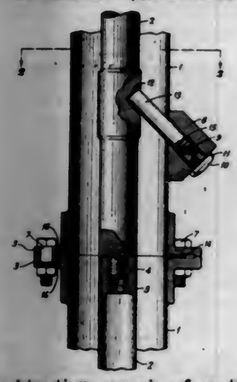
1. In photographic printing apparatus of the character in which a sheet of sensitized photographic paper and an object to be reproduced are mounted in a frame, and the frame with the sensitized paper and object therein is exposed to a delimited illuminated field, a cabinet, a substantially smooth transparent member mounted at the top of said cabinet and defining the delimited exposure field, a lamp receptacle base mounted immediately beneath the transparent member, and improved means providing for illumination of said field which comprise a first set of lamp receptacles mounted on said receptacle base and suitably connected in a negative reproduction circuit within the limits of said field, lamps for illuminating said field with light rays in the vicinity of the yellow portion of the spectrum mounted in said lamp receptacles, a second set of lamp receptacles mounted on said receptacle base and suitably connected in a positive reproduction circuit also within the limits of said field, lamps for illuminating said field with light rays in the vicinity of the blue portion of the spectrum mounted in said second set of receptacles, each set of receptacles with lamps therein being so arranged as to illuminate the same delimited field to which the frame with photographic paper and object to be reproduced mounted therein is exposed for photographic reproduction, and separate switch control means for the negative reproduction circuit and for the positive reproduction circuit, whereby the lamps giving off light rays in the vicinity of the yellow portion of the spectrum only may be energized to illuminate the delimited field of exposure when a photographic negative is to be reproduced from an object, and the lamps giving off light rays in the vicinity of the blue portion of the spectrum only may be energized to illuminate said delimited field of exposure when a photographic positive is to be reproduced from a negative.

2,256,065
TUBULAR CAR AXLE AND METHOD FOR MAKING IT
Bertis H. Urschel and Harold C. Urschel, Bowling Green, Ohio, assignors, by mesne assignments, to Pittsburgh Steel Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 21, 1939, Serial No. 300,601
8 Claims. (Cl. 29—165)

2. The method of making a railway car axle,

comprising upsetting axially the end portions only of a thin walled cylindrical tube to increase their wall thickness by permitting their inner surfaces to contract, the connecting central portion of said tube remaining substantially undisturbed, and then reducing the diameter of at least a portion of said end portions to further thicken their walls, whereby bearings and wheel seats are formed.

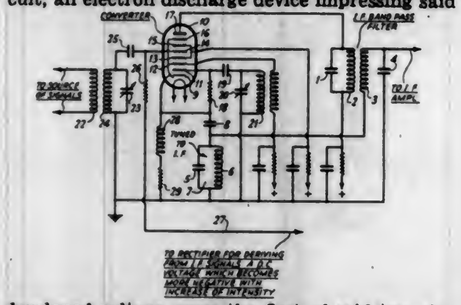
2,256,066
COAXIAL CONDUCTOR SYSTEM
George L. Usselman, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application June 25, 1938, Serial No. 215,743
20 Claims. (Cl. 174—28)



9. In combination, a pair of sections of high frequency coaxial transmission line placed end-to-end, said sections comprising hollow outer conductors having integral therewith external flanges near adjacent ends surrounding the circumferences thereof, the hollow conductors of said sections being tapered at the line of contact therebetween, and means located externally of said hollow conductors for forcing said flanges directly together into contact with each other, whereby said tapered ends are wedged together at the current carrying surfaces, the inner conductors of said line having a plurality of notches symmetrically positioned around the circumference thereof, an insulator rod individual to each notch and having one end inserted therein and its other end passing through the outer conductor and maintained in fixed relation thereto, said rods being set at acute angles with respect to the axis of said inner conductor.

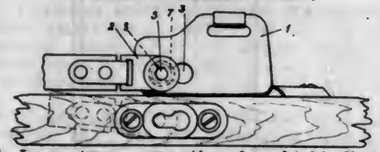
2,256,067
RECEIVER SELECTIVITY CONTROL
Jacob van Slooten, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application February 4, 1939, Serial No. 254,554
In Germany May 27, 1938
10 Claims. (Cl. 250—20)

7. In a bandpass network of the type comprising at least two resonant circuits coupled in cascade, said circuits being tuned to a common desired frequency, a third resonant circuit tuned to said frequency and connected in the second of said two circuits, said third circuit developing voltage of said frequency from said second circuit, an electron discharge device impressing said



developed voltage upon the first of said two circuits in a phase to change the degree of coupling between said two circuits, and means for varying the gain of the said device thereby to adjust said degree of coupling.

2,256,068
STRAP CONNECTOR
Reinhold Vöster, Stuttgart, Germany
Application July 6, 1939, Serial No. 283,023
In Germany June 9, 1938
2 Claims. (Cl. 280—11.35)

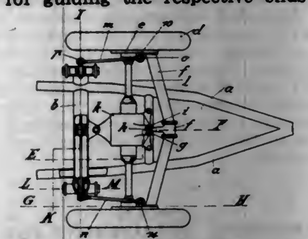


1. In a strap connection for ski bindings, in combination, a plate rigidly attached thereto having a pair of circular openings of different diameters connected by a neck having a pair of substantially plane opposing faces, said plate having an inwardly raised portion surrounding said neck, a strap connector adapted to be interconnected with said plate, a stud projecting inwardly from said connector, the free end of which has a diameter larger than that of the smaller opening, whereas the shank of the stud has a diameter smaller than that of either openings but larger than that of the connecting neck, one side of said shank being flat to decrease the size thereof to less than the diameter of said neck so that said connector may be moved from one opening to the other in a predetermined position, and spring means surrounding said stud intermediate said plate and said connector.

2,256,069
VEHICLE AXLE SUSPENSION
Max Wagner, Stuttgart, Germany, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany, a corporation of Germany
Application April 14, 1938, Serial No. 202,029
In Germany April 14, 1937
24 Claims. (Cl. 267—57)

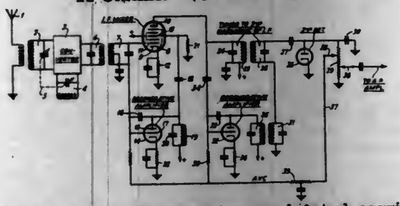
1. In a vehicle having a frame, a stiff axle, road wheels rotatably mounted on opposite ends of said axle, said frame being positioned beneath said axle and the center of said wheels, a pair of links on each side of the frame, each pair pivotally connected at one end with the frame and at their other end to said axle, and

forming with said axle and frame a link quadrilateral for guiding the respective ends of said



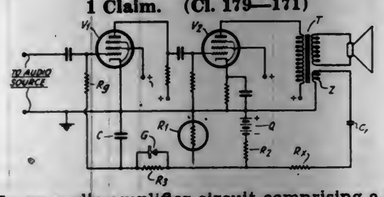
axle relatively to the frame, and means for resisting transverse movement of said axle.

2,256,070
RADIO RECEIVING SYSTEM
Roy A. Weagant, Douglaston, Long Island, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application July 9, 1940, Serial No. 344,488
11 Claims. (Cl. 250—20)



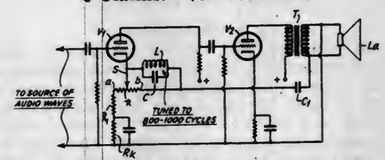
1. In a system for receiving modulated carrier energy, the method which includes reducing the energy to a lower carrier frequency, producing unmodulated energy of said reduced carrier frequency, heterodyning the modulated carrier energy of reduced frequency with said unmodulated energy of said reduced carrier frequency, deriving from the combined energies modulated carrier energy of an harmonic of said reduced frequency, producing unmodulated energy of said harmonic frequency, combining said modulated harmonic energy with said unmodulated energy of said harmonic frequency to produce energy of the modulation component frequencies.

2,256,071
AUDIO AMPLIFIER VOLUME CONTROL CIRCUIT
Lothar Brück, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application May 16, 1939, Serial No. 273,899
In Germany June 16, 1938
1 Claim. (Cl. 179—171)



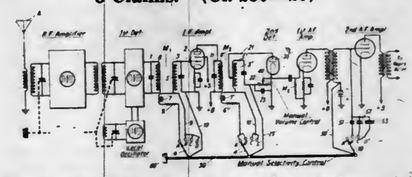
In an audio amplifier circuit comprising a tube having input and output electrodes, an audio output circuit coupled to the output electrodes, an audio volume expansion circuit coupled between said output circuit and said tube input electrodes, said control circuit comprising a coil coupled to the output circuit, a source of direct current in series with a resistor of predetermined value across said coil, a temperature-dependent uranium-dioxide resistive element in shunt across said series arranged current source and resistor, said resistive element being connected between said tube input electrodes in a manner to apply voltage developed thereacross to said input electrodes in a sense to vary the amplifier gain directly with audio signal level at said audio output circuit, a time constant network in circuit between said input electrodes and said resistive element, and a rectifier element connected across a resistive element of said time constant network between one of said input electrodes and a terminal of said resistive element to cause speedy discharge of said developed voltage.

2,256,072
TONE CONTROL CIRCUIT
Lothar Brück, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application July 29, 1939, Serial No. 287,275
In Germany August 1, 1938
6 Claims. (Cl. 179—171)



1. In a wave transmission network of the type comprising at least one tube provided with input and output circuits, said input circuit being adapted to have wave energy of a wide band of frequencies applied thereto, said tube being provided with at least a control grid, cathode and output electrode, said output circuit being coupled to said output electrode; the improvement which includes a degenerative wave voltage feedback path coupled between said output circuit and a point of relatively fixed alternating potential, means connecting said cathode to a second point on the path which is at a higher alternating potential than said first point, means connecting said grid to said fixed point, and a resonant circuit tuned to a narrow median frequency band of said wide band, operatively associated with said feedback path to diminish the feedback over said narrow median band.

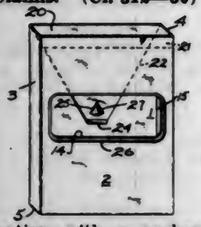
2,256,073
VARIABLE SELECTIVITY DEVICE
Wendell L. Carlson, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 3, 1934, Serial No. 751,305
8 Claims. (Cl. 250—20)



1. In combination with a radio receiver of the type including a radio frequency signal transmission network and an audio frequency signal

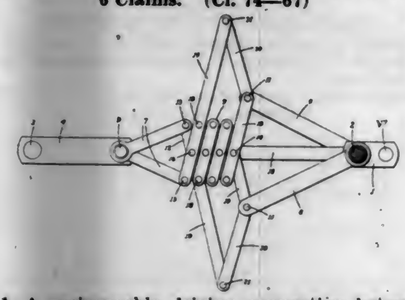
transmission network, means for adjusting the degree of selectivity of said radio frequency network, means for adjusting the transmission of the higher audio frequencies through the audio network, means for varying both said adjusting means, said adjusting means being constructed and arranged in such a manner that said varying means is adapted to vary both adjusting means for a portion of the varying means adjusting range and solely said audio adjusting means for another portion of said range.

2,256,074
LOCKING DISPENSER FOR PACKAGED SHEET MATERIAL
Earl R. Crebbs, San Francisco, Calif.
Application March 25, 1941, Serial No. 385,066
7 Claims. (Cl. 312—50)



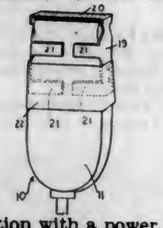
1. In combination with a package of folded articles dispensible through a front opening and having a rear opening therein, a dispenser comprising a body having a rear wall adapted to be fastened to a support, and a front wall connected to said rear portion by bottom and side walls only, said front wall having an aperture therein registering with the front opening of said package when said package is inserted in said dispenser, and a locking cover for said dispenser, said cover being a separate unit having a top portion fitting the opening at the top of said dispenser, a downwardly extending front portion fitting the inside surface of the front wall of the dispenser, and a downwardly extending rear portion fitting the inside surface of the rear wall, said cover being slidably inserted into the top of the dispenser, and means on said rear wall cooperating with means on said downwardly extending rear portion of said cover to lock said rear portion to said rear wall.

2,256,075
CONNECTING ROD
Raphael Du Coe, Sonora, Calif.
Application May 13, 1940, Serial No. 334,833
6 Claims. (Cl. 74—67)



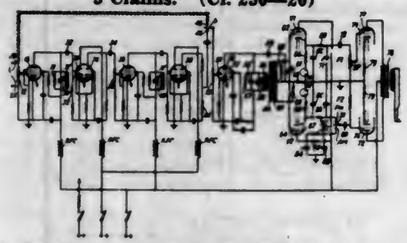
1. A reciprocable driving connection between corresponding cranks of spaced parallel drive and driven crank shafts, the driven crank having a greater throw than the drive crank, said connection comprising a lazy tongs linkage assembly connected between the shaft of the drive crank and the crank pin of the driven crank, and means including an instrumentality connected with the crank pin of the drive crank to effect a positive extension and contraction of the linkage assembly upon rotation of the drive crank, the differential in length of said assembly corresponding to the relatively greater throw of the driven cranks.

2,256,076
HAIR TRIMMING ATTACHMENT FOR ELECTRIC RAZORS
Leon M. Coles, Port Chester, N. Y.
Application January 19, 1939, Serial No. 251,672
4 Claims. (Cl. 30—31)



1. In combination with a power razor comprising a handle having a cutter means at one end thereof and a power means in the handle for operating said cutter means, said cutter means including an outer stationary element and an inner movable element, each of said elements elongated and having teeth opening along its opposite longitudinal edges, a hair trimming attachment on said razor and including arms against the sides of said handle and a part extending over said stationary cutter element, said part having teeth opening through its opposite longitudinal edges for guiding hairs to said elements whereby to have the razor cut on up and on down strokes, and resilient means encircling the razor handle and clamping the arms of the attachment against the handle.

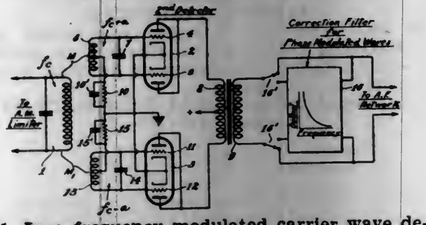
2,256,077
FREQUENCY MODULATION RECEIVER
Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application November 17, 1939, Serial No. 304,888
5 Claims. (Cl. 250—20)



1. In a receiver, an input impedance, means for impressing modulated wave energy thereon, a transformer comprising a tuned primary coupled to a tuned secondary, means coupling said tuned primary to said impedance, a pair of electron discharge tube systems each having an anode, a cathode, and a control grid electrode, means connecting the secondary winding

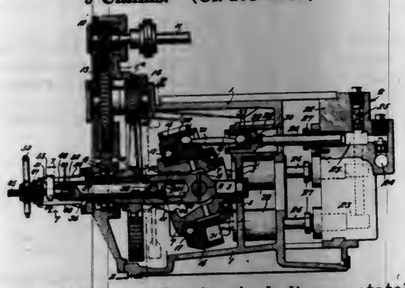
of said transformer between said control grids, a resistance connecting a point on said secondary winding to the cathodes of said tube systems, means coupling the control grids of said tube systems to said impedance, impedances connected between the cathodes of said tube systems, an output impedance connected with the anode of one of said tube systems, a utilization circuit, and switching means for connecting said utilization circuit in shunt to the impedances between the cathodes of said tube systems or in shunt to one of said impedances and to the output impedance connected with the anode of the other of said tube systems.

2,256,078
FREQUENCY MODULATION DETECTOR
Murray G. Crosby, Riverhead, and Harry Tunick, Rye, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Application July 31, 1940, Serial No. 348,850
4 Claims. (Cl. 250—27.1)



1. In a frequency modulated carrier wave detection system, a pair of full wave rectifiers, said rectifiers having independent wave input circuits, means for applying to said independent input circuits frequency modulated waves, said independent circuits being oppositely mistuned by equal frequency magnitudes with respect to the mean frequency of said waves, and means for connecting the output circuits of said full wave rectifiers in phase opposition to provide a modulation voltage output circuit.

2,256,079
SWASH PLATE MECHANISM
Richard W. Dinzl, Westfield, N. J., assignor to The Watson-Stillman Co., Roselle, N. J., a corporation of New Jersey
Application December 3, 1940, Serial No. 368,365
9 Claims. (Cl. 103—162)



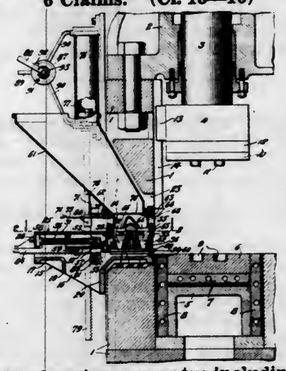
1. In a swash mechanism including a rotatably mounted shaft, and a swash element mounted upon said shaft for rotation thereby and for rocking about an axis transverse to the shaft axis to vary its pitch, said shaft having an axial bore, a pitch-adjusting plunger mounted for reciprocation along the shaft axis within said bore, slide blocks borne by said plunger, pivotal mountings for said blocks on the plunger supporting them at diametrically opposite sides of the shaft for rocking about an axis parallel to said transverse axis of the swash element, the shaft having longitudinal clearance slots for said block mountings, cam means rigid with the said swash element and forming cam slots at opposite sides of the shaft and slidably receiving said blocks and arranged in a common plane disposed to slope with reference to the shaft axis in all positions to which the swash element is rocked, whereby longitudinal shift of said plunger along the shaft axis will shift said blocks with it to act upon said cam means and rock the swash element to change its pitch, and screw means to adjust said plunger along the shaft axis and thereby adjust the pitch of the swash element.

2,256,080
OIL BURNER
Knut Karl Herman Ewerydand Tor Axel Ödman, Karlskrona, and Lars Axel Widing, Stockholm, Sweden, assignors to Aktiebolaget Götaverken, Gothenburg, Sweden, a corporation of Sweden
Application October 5, 1939, Serial No. 298,063
In Sweden April 4, 1939
9 Claims. (Cl. 299—122)



1. In an oil burner, a nozzle for atomizing fuel oil supplied to said nozzle, a housing, a rotatable oil catching means disposed within said housing and adjacent to the path of the oil jet delivered by the nozzle and adapted to catch portions of said oil jet and upon rotation to convey said portions to the interior of said housing, and means for removing said oil from the interior of said housing, whereby it is prevented from entering the combustion zone of the oil burner.

2,256,081
MOLD-CHARGING APPARATUS
Francis S. Farley, Westfield, N. J., assignor to The Watson-Stillman Co., Roselle, N. J., a corporation of New Jersey
Application January 5, 1940, Serial No. 312,449
6 Claims. (Cl. 18—16)



6. Mold-charging apparatus including a charge carrier having a vertical bore, a bushing rotatably and vertically shiftable within said bore and in-

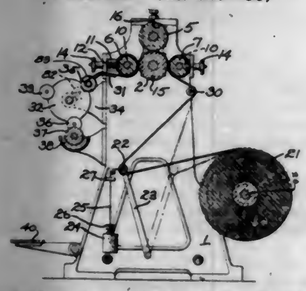
wardly beveled at its upper end and having an external screw thread around its lower end portion, a fixed internal screw thread borne by the carrier and screw-engaged with said external thread, a second bushing fitted within said first bushing and inwardly beveled at its upper end, means holding said second bushing against vertical shifting relatively to said bore, the first bushing protruding within the bore above the second bushing, the interiors of said bushings together with said bore defining a charge-receiving cavity open at its upper and lower ends and said screw connection rendering the first bushing vertically adjustable by rotating it to vary the degree of said protrusion and thereby vary the capacity of said cavity, and locking means releasably engageable with the exterior of the first bushing at a point intermediate the ends of the latter to maintain such adjustment of the bushing; means supporting the carrier for shifting to move the cavity between a charge-receiving position and a delivery position over a mold; and closure means to keep the lower end of the cavity closed when the cavity is away from its delivery position.

2,256,082

PAPER CONVERTING MACHINE

Donald M. Feurt, San Francisco, Calif., assignor to Consolidated Cover Co., San Francisco, Calif., a corporation of California

Application February 12, 1940, Serial No. 318,471
15 Claims. (Cl. 242—56)



5. A paper converting machine comprising male and female die rolls, an interrupted cut-off knife on said male die roll, an output felt roll resiliently held against said female die roll, a re-wind roll, a parent roll for feeding an uncut paper strip between said die rolls under said felt roll and onto said re-wind roll, and a flat surface in contact with said paper adjacent said re-wind roll for electrostatically charging said paper.

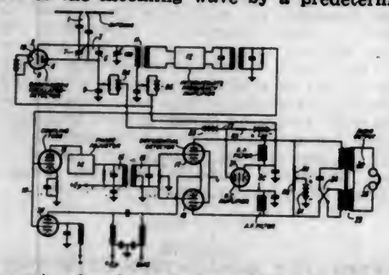
2,256,083

AUTOMATIC FREQUENCY CONTROL SYSTEM FOR BRAKING-FIELD OSCILLATORS

Ralph W. George, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application April 15, 1939, Serial No. 268,014
1 Claim. (Cl. 250—20)

In an ultra short wave frequency-modulation receiver, a multi-electrode Barkhausen oscillator coupled to a receiving antenna for beating with the received signal to produce an intermediate frequency, an intermediate frequency amplifier, a detector coupled to the output of said intermediate frequency amplifier, a direct current amplifier and a low pass audio frequency filter coupled to the output of said detector, and a circuit from said direct current amplifier to an electrode of said oscillator for maintaining the frequency thereof at a steady value differing from that of the incoming wave by a predetermined



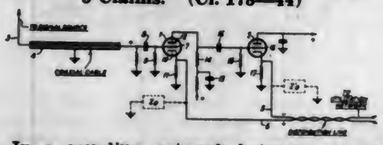
amount, whereby only low frequency variations of the direct current voltage are passed to said oscillator.

2,256,084

COUPLING CIRCUITS

E. Dudley Goodale, Bayside, Long Island, and Raymond A. Monfort, St. Albans, N. Y., assignors to Radio Corporation of America, a corporation of Delaware

Application June 17, 1939, Serial No. 279,686
5 Claims. (Cl. 178—44)



1. In a coupling network between an unbalanced voltage source and a balanced voltage network, a pair of cascaded tubes, means for impressing the unbalanced voltage between the input electrodes of the first tube, means for impressing the output voltage of the first tube upon the input electrodes of the second tube, a resistive impedance individual to and connected to the cathode of each of said tubes, each of said impedances being in the space current path of its respective tube, means degeneratively applying to the input electrode of each tube voltage developed across its respective cathode impedance, and a direct current voltage connection between the cathode end of each impedance and said balanced network.

2,256,085

HIGH FREQUENCY COUPLING CIRCUITS

E. Dudley Goodale, Flushing, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application June 1, 1940, Serial No. 338,343
5 Claims. (Cl. 178—44)



1. In combination with a source of unbalanced high frequency signal voltage, a pair of electron discharge tubes arranged in cascade, means for impressing signal voltage upon the input grid of the first of said tubes, a resistive impedance connected to, and individual to, the cathode of each tube, a single auxiliary resistive impedance common to, and arranged in series with, each of the first named resistive impedances, said auxiliary impedance being in the space current path of each of said tubes, and an output connection to the cathode end of each of said first resistive impedances whereby the signal voltages at said output connections are balanced.

2,256,086

COMBINATION TOOL WITH IGNITION TESTER

Alexander A. Guziel, West Los Angeles, Calif.

Application January 22, 1940, Serial No. 314,910
10 Claims. (Cl. 175—183)



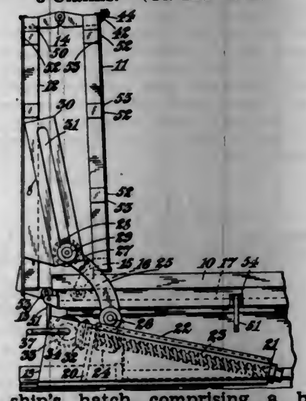
1. A spark plug tester comprising an elongated electrically conductive shank, an insulated transparent handle on said shank, an electric lamp in said handle having electrical contact with said shank, a contact member on the exterior of said handle spaced from said shank, an electrical connection between said contact and said lamp, and a spark gap leading between said connection and said shank.

2,256,087

SHIP'S HATCH

Stephen Hay, London, England, assignor to The Gas Light & Coke Company, London, England, a British company

Application May 24, 1939, Serial No. 275,420
In Great Britain September 13, 1938
3 Claims. (Cl. 114—201)



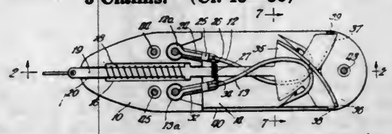
1. A ship's hatch comprising a hatchway frame, a cover adapted to extend over said frame, a hinge interconnecting the cover and frame, a lead screw extending along a side of said hatchway frame, the axis of rotation of said lead screw extending transversely to said hinge, means for rotating said lead screw, a track on the cover below the upper surface thereof and above said lead screw, said track and lead screw, when the hatch is closed, lying within the height of the frame, said track and lead screw, when the hatch is closed, lying on opposite sides of and each being inclined with relation to a horizontal plane so that they diverge as they extend from the hinge axis, a nut on the lead screw restrained against rotation and an arm operatively secured to the nut and extending between said nut and track.

2,256,088

FISH LURE

Edward F. Hogan, Chicago, Ill.

Application September 1, 1938, Serial No. 227,936
3 Claims. (Cl. 43—36)



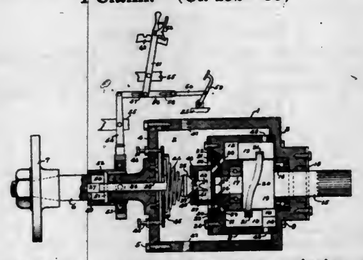
1. In a lure of the character described, a lure body, two hooks movably mounted thereon and lying one over the other in overlapping relation, a cam member separating said hooks, and oppositely directed cam portions on said member for engaging the hooks, said cam member being movable lengthwise of the body to project the hook points and barbs from the body, and resilient means urging said hooks into overlapping relation, oppositely disposed guide tracks on said body, and projections on said cam member and riding on said guide tracks.

2,256,089

DRIVE TRANSMISSION

Marcus A. Holpfer, Pittsburgh, Pa.

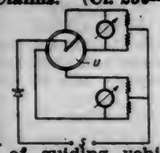
Application November 13, 1940, Serial No. 365,553
1 Claim. (Cl. 192—59)



In a fluid controlled drive transmission of the character described, the combination of a housing for the fluid, a driven shaft secured to said housing, a casing including a valve chamber and provided with a plurality of cylinders secured in said casing, a plunger mounted in each of said cylinders, a driving shaft revolubly engaged in said casing, an annular cam carried by said driving shaft and actuated by the rotation of the latter for imparting reciprocal movement to said plungers in said cylinders for drawing the fluid from said housing into said cylinders and for discharging said fluid from said cylinders into said valve chamber, a disk valve operatively engaged by said driving shaft for controlling the passage of the fluid to and from said cylinders, and a spring controlled automatically operable valve element engaged in said driven shaft for

regulating the discharge of the fluid from said valve chamber to cause the rotation of said driven shaft at a speed similar to or varying from the speed of said driving shaft.

2,256,090
METHOD AND MEANS FOR GUIDING AIRCRAFT
Waldemar Ilberg and Karl Röhrich, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application December 24, 1937, Serial No. 181,520
In Germany December 24, 1936
13 Claims. (Cl. 250—11)



5. A system of guiding vehicles by radiant energy which comprises a transmitter, a plurality of separate directive radiators, means for sequentially energizing said radiators from said transmitter with spaced impulses of radiant energy whereby a plurality of overlapping guide rays are produced, a receiver for said impulses, a plurality of indicating instruments equal in number to the number of said directive radiators and means for sequentially switching said receiver to each of said indicating instruments in synchronism with the energization of said radiators, said means for sequentially energizing said radiators comprising a contact connected to each radiator, a plurality of contact arms connected to said transmitter and so operating between said contacts that only one of said contacts is engaged by a contact arm at any instant, said arms each having a length equal to one-half the length of the operating wave whereby the arms which are not in engagement with a contact present no load on said transmitter.

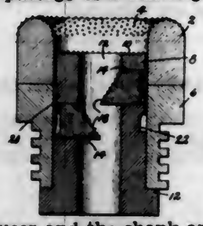
2,256,091
SHOE PROTECTOR
John Khandjian, Brooklyn, N. Y., assignor of one-half to Peter J. Tarzian, Brooklyn, N. Y.
Application February 14, 1940, Serial No. 318,820
2 Claims. (Cl. 36—72)



1. A shoe protector cut from a single piece of material, said material being reinforced at the bottom thereof, a holding strap formed integral with the protector, slits in one side of the protector to form adjusting and holding means for the strap.

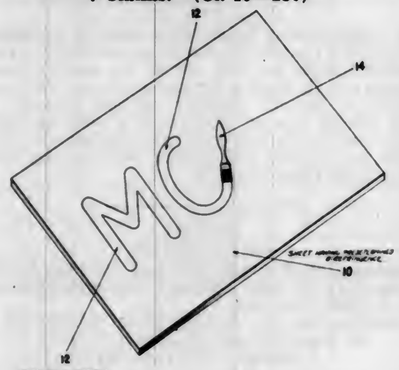
2,256,092
DIAMOND BIT
Frank E. Koebel, Glen Ridge, and John H. Metz, Verona, N. J., assignors to J. K. Smit & Sons, Inc., New York, N. Y., a corporation of New York
Application April 6, 1940, Serial No. 328,258
2 Claims. (Cl. 255—61)

1. A bit comprising in combination, a core-producing shell, a tool shank carrying said shell, a hollow cylindrical core-reducer lying within said shell and shank and terminating short of the end of the shell, said shell, shank and core-reducer being constructed and arranged to provide for the passage of a flushing fluid between



the core reducer and the shank and shell to the forward end of the bit, and a core crusher extending radially through the wall of said reducer approximately to the center thereof so as to engage and destroy by attrition the reduced core passing through the core-reducer.

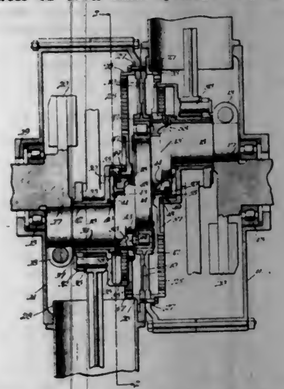
2,256,093
MATERIAL HAVING VARYING BIREFRINGENCE AND METHOD OF MANUFACTURE
Edwin H. Land, Boston, Mass., assignor, by mesne assignments, to Polaroid Corporation, Dover, Del., a corporation of Delaware
Application July 14, 1938, Serial No. 219,268
7 Claims. (Cl. 40—130)



5. As a new article of manufacture, a sheet of birefringent plastic, predetermined areas of said plastic having a predetermined birefringence, and other predetermined areas of said plastic having a birefringence differing therefrom, said difference in birefringence being due to differences in the degree of micellular orientation within said areas.

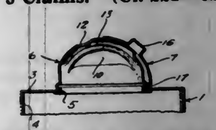
2,256,094
AIRPLANE ENGINE
Bradford C. Lynch, Paterson, N. J.
Application October 1, 1938, Serial No. 232,887
4 Claims. (Cl. 123—55)

1. In a two row radial engine construction the combination including a composite crank-case, cylinders disposed about the periphery of said composite crank-case in offset relation, a crank-shaft rotatably mounted in said crank-case, said crank-shaft having a separate crank-pin for each row of said engine, a crank-arm for each crank-pin, pistons reciprocating in said cylinders, piston rods operatively connecting said pistons to said separate crank-pins, a spool interposed between said piston rods and each of said crank-pins, a gear fixed on each side of the center portion of said crank-case, a gear fixed on each of said spools, an idler gear on each of said crank-arms, each of said idler gears cooperating with



its respective crank-case gear and spool gear, each of said gear trains being adapted to drive its respective spool negatively one revolution for each revolution of said crank-shaft makes in a positive direction.

2,256,095
POWDER CONTAINER
Frank H. Maloney, Elmhurst, Long Island, N. Y., assignor to Brass Goods Manufacturing Co., Brooklyn, N. Y., a corporation of New York
Application April 29, 1938, Serial No. 204,969
5 Claims. (Cl. 221—62)



1. A powder container including, in combination, a cap member, a dispensing head member secured thereto, and a closure plate, said head member including an arcuate boss formed with overhanging guide shoulders and with a stop shoulder and having a dispensing opening, and said closure plate including inturned flanges for slidably embracing said guide shoulders and a stop flange cooperative with the stop shoulder of the arcuate boss to limit forward movement of the closure plate and cooperative with the cap member to limit rearward movement of the closure plate, the closure plate being trapped against separation from the head member by the securement of the head member to the cap member.

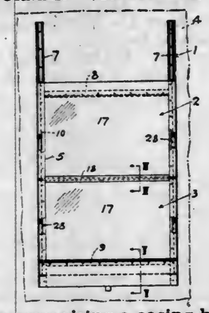
2,256,096
POLYAZO COMPOUNDS
Eugene A. Markush, Jersey City, N. J., assignor to Pharma Chemical Corporation, New York, N. Y., a corporation of New York
No Drawing. Application June 3, 1938, Serial No. 211,603
4 Claims. (Cl. 260—173)

1. A polyazo compound having the general formula:

A—N=N—B—N=N—B—NH—CO—D—N=N—R

in which A is the radical of 2-naphthylamine-6,8-disulphonic acid, B is the radical of 3-methyl-1-amino benzene, D is the radical of 4-amino-1-benzoyl chloride, and R is the radical of a member of the group consisting of beta naphthol and its sulphonated compounds which dyes are dark brown powders, soluble in water with red coloration, soluble in concentrated sulphuric acid producing brown shades and which compounds dye cellulosic fibers bright-orange shades.

2,256,097
WINDOW
John M. Mahoney and David R. Leahy, Schenectady, N. Y., assignors to American Locomotive Company, New York, N. Y., a corporation of New York
Application May 15, 1940, Serial No. 335,220
4 Claims. (Cl. 189—72)

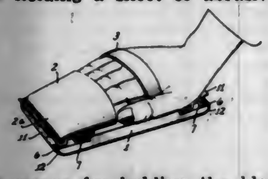


1. A window comprising a casing having a portion along each of two oppositely disposed sides thereof providing side margins, an opening between said margins, and a groove in each portion, dove-tailed in cross section, opening in an inboard direction through the adjacent margin and extending longitudinally thereof; a sash for said opening disposed at the inboard side of said margins adapted for movement longitudinally relative thereto for positioning said sash, said sash having side portions providing margins opposite to and overlapping said casing margins, each said sash margin having an orifice in line with the adjacent groove opening and a cam-coacting face adjacent said orifice; and a device at each said sash margin, carried by said sash and bodily movable therewith during said longitudinal movement, having a mounting provided with a head disposed in the adjacent groove for movement therein during said sash movement, and a stem extending from said head with a working fit through said adjacent groove opening and the adjacent sash orifice to the inboard side of said sash, said device further having a cam pivotally connected to said mounting opposite said cam-coacting face operable when rotated in one direction through engagement with the adjacent cam-coacting face, to move said sash at its margin adjacent said cam toward said casing and when rotated in the opposite direction to free said adjacent margin, and a handle connected to said cam for rotation thereof.

2,256,098
HAND SANDING AND RUBBING BLOCK
Dodd Mauldin, Beverly Hills, Calif.
Application September 21, 1940, Serial No. 357,679
12 Claims. (Cl. 51—187)

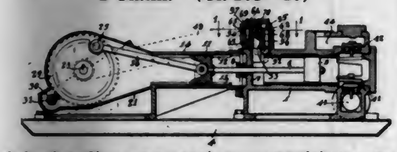
1. A handsanding and rubbing block for supporting and retaining abrasives and the like, comprising a rectangular relatively flexible plat-

form, a wire clamp secured to each end of the block for holding a sheet of abrasive and the



like, and means for holding the block on the hand including a hand strap and finger pocket spanning the upper surface of said platform.

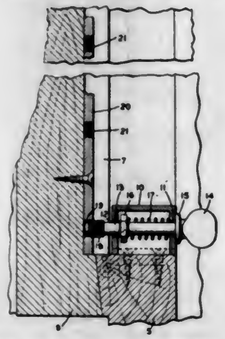
2,256,099
PUMPING APPARATUS
Waldemar F. Mayer, Los Angeles, Calif., assignor to Byron Jackson Co., Huntington Park, Calif., a corporation of Delaware
Application July 18, 1938, Serial No. 219,801
1 Claim. (Cl. 103—10)



A hydraulic power system comprising a source of motive liquid under pressure, a supply of liquid to be pumped, a rotary driven element, and hydraulic apparatus actuated by said motive liquid and adapted to drive said rotary driven element and pump said pump liquid, said apparatus comprising a base, a plurality of cylinders mounted thereon, pistons reciprocable in the cylinders and dividing the latter into motive liquid ends and pump liquid ends, valve means for successively admitting motive liquid to the motive liquid ends of said cylinders to actuate said pistons in one direction, the pump liquid ends of said cylinders having valved suction and discharge connections for pump liquid, means including a rotary element rotatably mounted on said base and interconnecting said pistons, a power takeoff element operatively connected to said rotary element, means for connecting said power takeoff element in driving relation with said driven element, whereby the apparatus functions simultaneously as a hydraulic motor and as a hydraulic pump, and for disconnecting said power takeoff element from said driving element, whereby the apparatus functions solely as a hydraulic pump, and means for interconnecting the pump liquid ends of said cylinders, as by removal of the pump liquid discharge valves, to render the pump liquid connections ineffective whereby the apparatus functions solely as a hydraulic motor.

2,256,100
WINDOW LOCKING DEVICE
John Megela, New York, N. Y.
Application August 23, 1940, Serial No. 353,799
1 Claim. (Cl. 292—251)

A locking device for double-hung sash windows comprising the combination of a plunger housing fixed to the top of the upper rail of the lower sash, a plunger slidably mounted in said housing, said plunger being provided at one end with a threaded portion and at the other end with a flatted portion to permit manual rotation of the plunger, said plunger at its threaded end being adapted to engage a bar member spaced from said housing a distance greater than the threaded portion of said plunger, said bar member being fixed to the inner face of a side rail of the upper sash and being provided with a plurality of vertically aligned threaded holes adapted to receive the threaded portion of the plunger, means to engage said plunger with either of said holes, said last recited means comprising impositive means to urge said plunger against said bar member



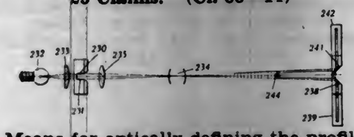
and a tapered end on the threaded portion of said plunger, a shoulder on said plunger arranged to abut said housing after said threaded portion is engaged with one of said plurality of threaded holes, whereby continued rotation of said plunger is effective positively to draw said sashes together, and means to render said locking device ineffective comprising a tapped portion in said housing adjacent to and adapted to receive the threaded portion of said plunger.

2,256,101
GLOW DISCHARGE STABILIZER TUBE
Erwin Müller, Berlin-Eichwalde, Germany, assignor to Stabilovolt G. m. b. H., Berlin, Germany, a company
Application November 12, 1938, Serial No. 240,133
In Germany November 11, 1937
4 Claims. (Cl. 250—27.5)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)



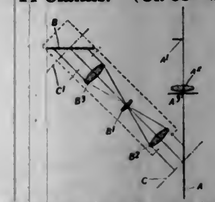
1. A glow discharge tube for keeping voltages constant, comprising a double-walled container, the walls thereof being spaced apart, an anode and a cathode disposed in said container to form a glow discharge gap, and conducting means connected to said anode and cathode to admit electric current thereto, said anode and cathode having the form of layers, the latter consisting of colloidal graphite, the cathode layer being applied to the inner surface of the outer wall of said container, and the said anode layer being applied to the inner surface of the inner wall and a gas filling in said container in contact with said anode and cathode, whereby, upon admission of electric current, glow discharge takes place between the anode and cathode reducing the input voltage, while the out-put voltage remains substantially constant, independent of input current fluctuations.

2,256,102
OPTICAL MEASURING OR TESTING APPARATUS
Richard Edmund Reason, Leicester, England, assignor to Kapella Limited, Leicester, England, a company of Great Britain
Application June 1, 1938, Serial No. 211,231
In Great Britain June 2, 1937
25 Claims. (Cl. 88—14)



1. Means for optically defining the profile of a plane section of an object, comprising a source of light, two parallel and oppositely directed knife edges constituted by the two sides of a slot, reflecting devices in the paths of the two sets of rays from the source respectively passing the two knife edges for separately deflecting them to form non-parallel images of the knife edges and for deflecting the rays on to the object surface, and an optical system acting in conjunction with the reflecting devices to form coplanar and mutually inclined focussed images of the two knife edges on adjacent parts of the surface of the object and thereby to define adjacent non-collinear portions of the plane section profile thereon.

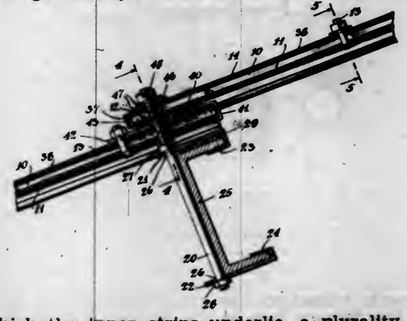
2,256,103
OPTICAL PROJECTING APPARATUS
Richard Edmund Reason, Leicester, England, assignor to Kapella Limited, Leicester, England, a company of Great Britain
Original application June 1, 1938, Serial No. 211,231. Divided and this application June 4, 1940, Serial No. 338,691. In Great Britain September 24, 1937
14 Claims. (Cl. 88—24)



1. Optical apparatus for projecting an image of a plane profile, comprising an optical system arranged to produce a rectified image free from distortion due to oblique projection, means for rotating such system about an axis inclined to the direction in which the profile is viewed, and means for maintaining the correct angular relationship between the optical axis of the system and the image and object planes whereby images of the profile obtained in different rotational positions of the optical system will be properly correlated with one another in the image plane.

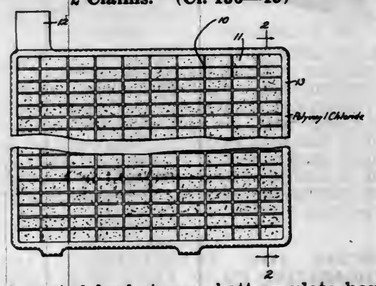
2,256,104
ASSEMBLED STRUCTURE
Caleb Ringle, Jersey City, N. J.
Application May 16, 1940, Serial No. 335,622
8 Claims. (Cl. 108—16)

1. A roof comprising, in combination, purlins, a plurality of rows of rigid roof sheets in which each row of sheets except the highest overlaps and underlies the next higher row at a purlin and in which the sheets of each row are slightly spaced, a plurality of rigid inner strips underlying the spaces between the sheets of each row and each extending from one purlin to an adjacent purlin, means securing the upper ends of the inner strips to the purlins, each of said inner strips being of substantially the same length as the two spaced sheets which it underlies, upwardly extending bolts secured to each of said inner strips and held against rotation thereby during assembly in the spaces between the sheets



which the inner strips underlie, a plurality of batten strips overlying the spaces between the sheets of each row and through which said bolts extend, and means connected to each inner strip of a lower row of inner strips and to each inner strip of the next higher row of inner strips and adjacent overlapping sheets for preventing downward endwise movement of the sheets of the higher row of the overlapping sheets before and after the battens which overlie the sheets of the said higher row are applied.

2,256,105
BATTERY PLATE
McConnell Shank, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application June 7, 1938, Serial No. 212,253
2 Claims. (Cl. 136—19)

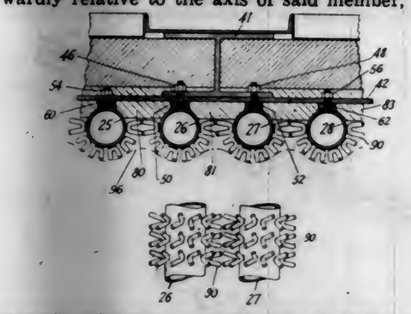


2. A pasted lead storage battery plate having its active surfaces covered by porous insulating separators, the edges of the plate and the separators being coated with an insulating film of plasticized gamma polyvinyl chloride so that electric current can reach the plate only through pores of the separator.

2,256,106
FURNACE
Rolfe Shellenberger, Westfield, N. J., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application May 20, 1938, Serial No. 208,991
1 Claim. (Cl. 122—6)

Apparatus of the character described compris-

ing, in combination, a tubular wall cooling member defining a furnace boundary surface and adapted to be connected into fluid circulation, metallic extensions welded to the tubular member and distributed over its furnace face, each of said extensions being a unitary structure including an intermediate welding base from which a plurality of spaced legs or studs extend outwardly relative to the axis of said member, and



ceramic refractory material over at least a part of the furnace face of the tubular member and covering said legs to present a furnace face, the zone (longitudinally of the extension) determined by the legs of each extension being oblique to the longitudinal axis of the tubular member with the legs of adjoining extensions overlying large connecting bodies of refractory which extend both longitudinally and transversely of the furnace face of said member.

2,256,107
CARRIAGE CLAMP
Arthur Zadek, New York, N. Y.
Application June 21, 1940, Serial No. 341,664
1 Claim. (Cl. 24—81)

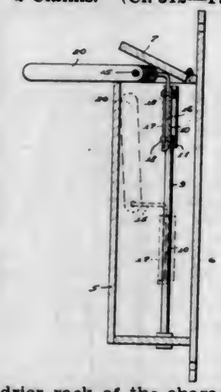


A one piece carriage clamp comprising a strip of resilient material having an upwardly arched midportion and a centrally disposed rib projecting therefrom throughout the entire length of the clamp, and, on each end, the material is formed into a substantially heart-shaped downwardly open resilient gripping jaw, the closed ends of said jaws being disposed in a horizontal plane considerably above the apex of said arched midportion.

2,256,108
PROCESS FOR TRANSFERRING LIGHT-POLARIZING FILMS FROM ONE SUPPORT TO ANOTHER
Robert P. Blake, Cambridge, Mass., assignor, by mesne assignments, to Polaroid Corporation, Dover, Del., a corporation of Delaware
No Drawing. Application July 26, 1938, Serial No. 221,349
3 Claims. (Cl. 88—65)

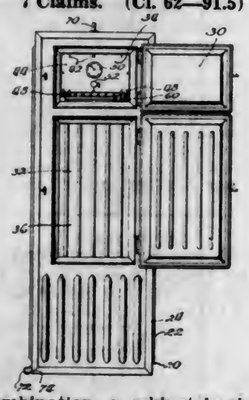
1. The process comprising forming upon a suitable support an exceedingly thin film of a vinyl compound containing a high concentration of minute, needle-shaped light polarizing particles, orienting the needle axes of said particles to substantial parallelism simultaneously with the formation of the film, and transferring said film from said first-mentioned support to a second support by applying between the contacting faces of said second support and said film an adhesive comprising a softener for said film, said adhesive being a non-solvent of said polarizing particles and pressing said second support evenly against said film before said film is appreciably softened.

2,256,109
CLOTHES DRIER
Carl Norman Blaisdell, Somerville, Mass., assignor to William M. Bass, Lynn, Mass.
Application April 6, 1940, Serial No. 328,280
2 Claims. (Cl. 312—176)



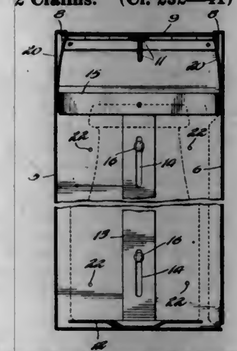
1. In a drier rack of the character described, an attaching plate having a casing mounted thereon and open at its top, a pair of guide rods rising from the bottom of said casing, a carrier slidably associated with said rods, a member mounted on said carrier and movable therewith, a plurality of article-suspension arms pivoted to said member to swing relative thereto to project outwardly of the casing and across the top of the same when in use, and to be moved downwardly into the casing when the carrier is moved to retracted position and a spring biased hinge cover for the top of the casing and cooperable with the upper edge of the casing for retaining the carrier in elevated position and the arms extending outwardly across the said upper edge of the casing.

2,256,110
REFRIGERATED CONTAINER
Leonard F. Clerc, Chicago, Ill.
Application March 9, 1939, Serial No. 260,703
7 Claims. (Cl. 62—91.5)



6. In combination, a cabinet having heat insulating outer walls and having doors for obtaining access to the interior of the cabinet, a casing having a dividing wall separating said casing into an upper and lower compartment, means for cooling the interior of said upper compartment, a liquid having a freezing point lower than that of water contained in said lower compartment, and means providing passageways along the vertical interior walls of said cabinet to permit the circulation of air around closely packed contents of said container toward and away from said casing.

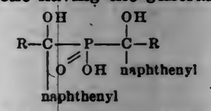
2,256,111
CONTAINER
Dennis T. Cull, Cicero, Ill., assignor to Orville P. Fox, Oak Park, Ill.
Application December 21, 1939, Serial No. 310,294
2 Claims. (Cl. 232—41)



1. A safety parcel receptacle having an opening with a spring pressed inwardly opening door, a door latch comprising a flat spring secured at one end to the inside of the receptacle and the other end free and tending to flex inwardly near the opening into the path of the door and to engage the inside of the door when closed, a support in the container movable by a weight placed thereon through said opening, and means carried by and movable with said support to engage and press the free flexed end of the spring toward the receptacle and thus to release the latch when there is no weight on the support.

2,256,112
YARN CONDITIONING PROCESS AND COMPOSITION THEREFOR
Joseph B. Dickey, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application September 18, 1940, Serial No. 357,291
15 Claims. (Cl. 28—1)

1. The method of eliminating the tendency of yarns, filaments or fibers to accumulate charges of static electricity, which comprises applying thereto a composition containing as its essential anti-static component a phosphonic acid of a ketone having the general formula:



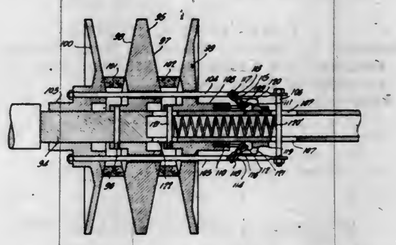
wherein R is a substituent selected from the group consisting of hydrogen, alkyl, alkylene, aryl, heterocyclic, cycloalkyl and naphthenyl.

2,256,113
CLOSURE CAP FOR BOTTLES, JARS, AND THE LIKE CONTAINERS
Eustace Gray, Auckland, New Zealand
Application July 6, 1939, Serial No. 283,090
In New Zealand September 15, 1938
3 Claims. (Cl. 221—147)



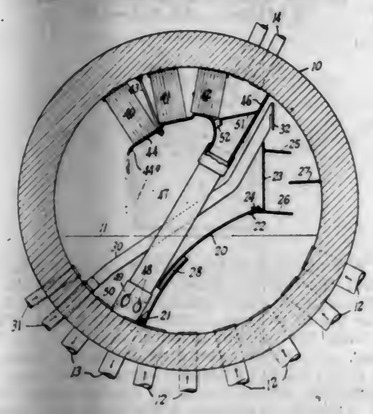
1. A closure cap for bottles, jars or like containers for liquids, constructed to make an airtight seal upon such containers comprising a well in the top of the cap, a tube opening and extending from the bottom of such well into the container, a cylinder extending inwardly from said cap, said cylinder having a closed inner end with an aperture therein, a cover on the outer end of said cylinder, a plunger slidable in the cylinder, a stem on said plunger extending through the cover, a spring urging said plunger towards said cover, means at the inner face of said plunger adapted to seal the aperture in the inner end of the cylinder when the plunger is adjacent said end, and means for locking the stem and plunger in such aperture sealing position.

2,256,114
VARIABLE SPEED DRIVE WITH MULTIPLE BELTS
Don Heyer, Los Angeles, Calif., assignor to U. S. Electrical Motors, Inc., Los Angeles, Calif., a corporation of California
Original application April 22, 1933, Serial No. 667,379. Divided and this application April 22, 1940, Serial No. 330,835
8 Claims. (Cl. 74—230.17)



1. In a multiple belt variable ratio transmission device, a shaft, a pulley section fixed to the shaft, said pulley section having inclined faces on opposite sides, a pair of movable pulley sections, respectively on opposite sides of the fixed section, each of said movable pulley sections having an inclined face opposed to the corresponding inclined face of the fixed section, and means for simultaneously moving the movable sections toward the fixed section for increasing the effective pulley diameters, comprising a pull rod connected to one movable section and passing through the other sections, and a pivoted lever connecting said pull rod to the other movable section.

2,256,115
SEPARATOR
James C. Hobbs, Painesville, Ohio
Application December 4, 1937, Serial No. 178,164
12 Claims. (Cl. 122—491)



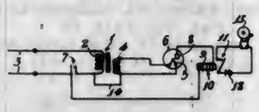
1. In combination, a steam and water drum having a water space and a steam space, a steam outlet from said steam space, a steam and water separator in said steam space comprising a multiplicity of side-by-side inclined corrugated moisture collecting plates arranged to form unobstructed narrow channels therebetween having an unobstructed inlet thereto and a substantially uniform flow area throughout their extent, an inclined bottom plate arranged to close the bottom of said channels for at least a major portion of their length, means forming a moisture collecting chamber opening to the remaining portion of said channels, and continuously closed drain pipes connected to said collecting chamber and having their lower ends submerged in and opening to said water space.

2,256,116
CALCULATING DEVICE
Howard R. Hughes, Houston, Tex., assignor to Hughes Tool Company, Houston, Tex., a corporation of Delaware
Application October 31, 1939, Serial No. 302,140
7 Claims. (Cl. 235—69)



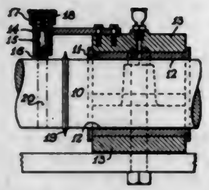
1. A calculating device of the character described, comprising in combination: a relatively rigid elongated member; an elastic proportioning scale attached by its zero end to said member and adapted to be stretched to place a selected point on the elastic scale opposite a selected point on the rigid member so that the ratio of the value of each graduation on the elastic scale relative to the distance of the graduation from said zero point is the same as the ratio of the value of said selected scale point to the distance of said selected scale point from said zero point; rotary means on said member attached to said elastic scale to adjustably stretch the elastic scale; and index means to indicate the extent to which said rotary means is rotated to stretch the elastic scale, said index means being calibrated to indicate said ratio.

2,256,117
TIMING DEVICE
Kedric V. Keeley, Los Angeles, Calif.
Application February 12, 1938, Serial No. 190,304
5 Claims. (Cl. 161—1)



1. A timing system comprising a vacuum tube having a thermionic cathode and an anode, the cathode being adapted to be electrically heated, a current source, a device adapted to be energized from said source, an energizing circuit for said cathode to heat the same, and means for substantially simultaneously interrupting flow of heating current to said cathode and completing an electrical circuit including said source, said tube and said device in series, whereby current flows in said series circuit to energize said device only while said cathode remains heated following interruption of heating current thereto.

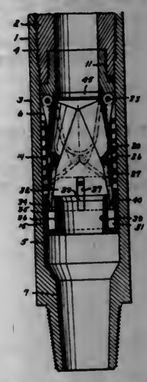
2,256,118
METHOD AND APPARATUS FOR REDUCING WEAR ON LUBRICATED BEARING SURFACES
Spiro Kyropoulos, Pasadena, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application January 13, 1939, Serial No. 250,710
7 Claims. (Cl. 184—1)



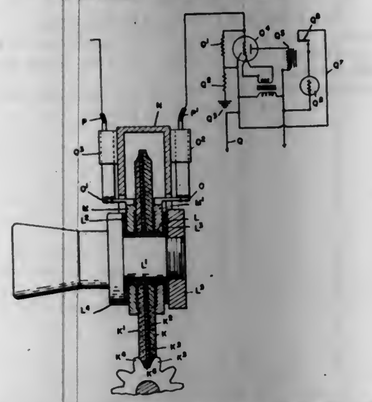
1. A method of increasing the effective oiliness of a body of lubricating oil between two relatively moving bearing surfaces comprising maintaining said moving bearing surfaces at equal electric potentials.

2,256,119
BACK PRESSURE VALVE
Ralph A. Lillich, Houston, Tex.
Application October 21, 1938, Serial No. 236,173
12 Claims. (Cl. 255—28)

1. In combination with a drill stem a tubular body having an enlarged bore therein, complementary valve members hinged in the body to be moved to close the passageway and to be moved back into said bore so that the passage through the body will be unobstructed, an orificed piston in the bore below said members, links connecting the piston to said valve members, and means resiliently urging said piston downwardly to normally hold the valve members in retracted position.



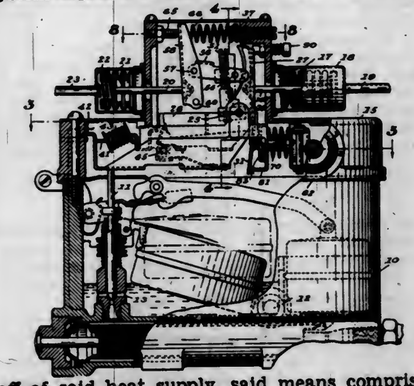
2,256,120
ELECTRIC INDICATOR FOR GRINDING MACHINES
Hans J. Lovenston, Detroit, Mich., assignor to Gear Grinding Machine Company, Hamtramck, Mich., a corporation of Michigan
Application May 20, 1940, Serial No. 336,315
4 Claims. (Cl. 177—311)



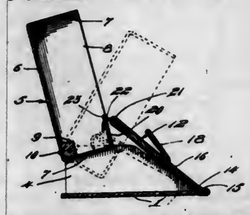
1. An electrically conductive grinder wheel having a plurality of portions insulated from each other, an insulator mounting for said wheel on its driving spindle, and a separate external electrical signal circuit connected with each portion of said wheel and including the work to be ground, whereby the contact of the grinding surface of each of said portions with the work will be indicated by its corresponding signal circuit.

2,256,121
REFRIGERATOR CONTROL DEVICE
Lourdes V. McCarty, Milwaukee, Wis., assignor to Edmund E. Allyne, Cleveland, Ohio
Application September 12, 1939, Serial No. 294,567
7 Claims. (Cl. 62—5)

1. In a method of control for intermittent absorption refrigeration systems, the combination of temperature influenced means for turning on and turning off the heat supplied to said system together with means to bias the turning off of said heat supply, said means comprising the temperature influenced turn on means.



2,256,122
DISPLAY HOLDER
Henry McGill, Attleboro, Mass., assignor to Babcock Box Company, Attleboro, Mass., a partnership composed of Henry McGill and Albert J. Carpenter
Application May 16, 1940, Serial No. 335,438
3 Claims. (Cl. 206—44)

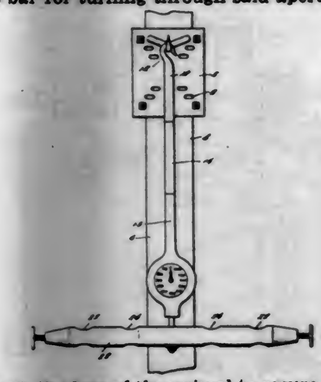


1. A display holder comprising a base wall, separating supporting members carried by the base and spaced from each other to receive a cover member therebetween, a cover member pivotally mounted on said supporting members for movement into open or closed position relative to the base, said cover member comprising a top wall, and side walls carried by said top wall and having free edges movable into proximity with the base wall to form with the base wall a closed container in the closed position of the cover member, a display member pivotally supported by the base, and means carried by the cover member engageable with said display member for raising the same into inclined display position relative to the base when the cover member is moved into its open position relative to the base.

2,256,123
GAME HANGER
Steve Medigovich, Bisbee, Ariz.
Application May 2, 1938, Serial No. 205,659
1 Claim. (Cl. 17—44)

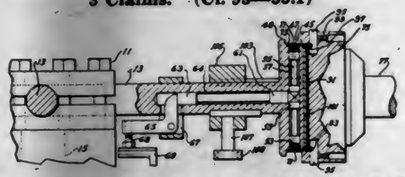
A hanger for suspending the carcasses of animals comprising an elongated bar having a hooked upper end and a cross bar at its lower end provided with a plurality of diametrical apertures therein for receiving the legs of the animals, said cross bar having a through axial bore therein, and a pair of impaling hand screws extend-

ing into said bore from opposite ends of said cross bar for turning through said apertures and



through the legs of the animal to secure the same to said cross bar.

2,256,124
MACHINE FOR MAKING PAPER RECEPTACLES
Carl A. Moeller, Randolph, Mass., assignor to Norfolk Paper Co., Inc., Randolph, Mass., a corporation of Massachusetts
Application July 30, 1940, Serial No. 348,475
3 Claims. (Cl. 93—55.1)



1. In a machine for making paper receptacles, the combination with a rotary forming die, of means for advancing the die axially to secure the end closure in a paper cylinder, a support for the cylinder, said support comprising a portion adapted to be received within the paper cylinder, an outwardly flaring portion for engaging and expanding the open end of the paper cylinder, bodily yielding gripping means for engaging the inner surface of the inner wall of the cylinder, and devices for actuating the gripping means to prevent relative movement between the contacting surfaces of the cylinder and the gripping means while permitting said means to yield bodily to permit a limited movement of the end of the cylinder over the flaring portion of the support under the pressure of the die to expand permanently the open end of the paper cylinder.

2,256,125
GRASSHOPPER EXTERMINATOR
Fred P. Noffsinger, Ralph L. Noffsinger, and George H. Loustalet, Greeley, Colo.
Application September 1, 1939, Serial No. 293,024
2 Claims. (Cl. 43—138)



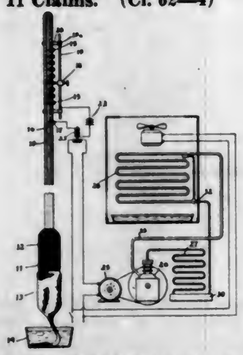
1. A grasshopper exterminator of the type designed to be pushed ahead of a vehicle comprising: a substantially vertical plate; an endless belt conveyor extending horizontally across the bottom of said plate; a crushing roller positioned opposite the delivery extremity of said conveyor to receive the grasshoppers therefrom; a spring pressed roller bearing against said crushing roller; and means for driving said conveyor and said rollers.

2,256,126
GUTTER SUPPORT
Max Rachlin, Flushing, N. Y.
Application November 20, 1940, Serial No. 366,477
9 Claims. (Cl. 248—48.2)



7. An article of the character described comprising a substantially flat plate and a gutter circle, said plate having an upstanding lug to which said circle is secured, said plate having a protuberance in the form of a bent strip, a vertical slot in said bent strip and a lower portion of said circle being received in said slot.

2,256,127
REFRIGERATING APPARATUS
Nelson J. Smith, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application February 26, 1937, Serial No. 127,923
11 Claims. (Cl. 62—4)

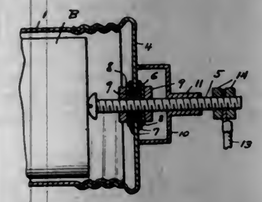


1. In an air conditioning system, an evaporator, refrigerant liquefying means in refrigerant flow relationship with said evaporator, means for circulating air to be conditioned over said evaporator, and control means for said liquefying means comprising a wet and dry bulb temperature responsive element in which the dry bulb has been darkened so as to absorb radiant heat.

2,256,128
INK
Milton T. Supan, Red Bluff, Calif.
No Drawing. Application February 7, 1939, Serial No. 255,163
2 Claims. (Cl. 106—20)

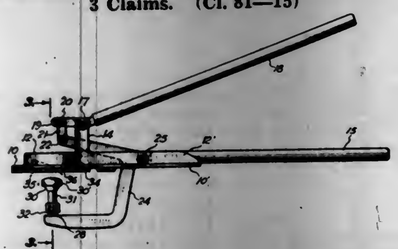
2. The method of producing a blue ink which comprises mixing with water a mineral deposit shown on analysis to contain ferrous sulphate 7.81%, ferric sulphate 26.85%, ferric oxide 1.59%, aluminum sulphate 14.47%, magnesium sulphate 1.55%, sodium sulphate .69%, allowing the solution to stand to effect the settlement of insoluble articles, removing the supernatent liquid, mixing with said supernatent liquid a substantially 5% solution of potassium ferrocyanide whereby an intense blue colored solution is obtained, allowing such solution to stand for a predetermined period for the separation of the solution into a lower blue colored portion and an upper substantially clear portion, drawing off said clear portion, then mixing with the blue colored portion solutions of potassium ferrocyanide and oxalic acid each of approximately 3% strength.

2,256,129
COMBINED FLASHLIGHT AND TESTING DEVICE
Herbert H. Tainer, Oregon City, Oreg.
Application June 11, 1940, Serial No. 339,948
1 Claim. (Cl. 200—60)



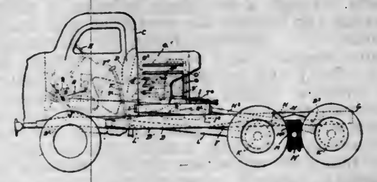
A switch for a flashlight which includes a case having a battery therein, said switch comprising a cap member for attachment to one end of the case, a screw bolt passing through the cap member, means for connecting the screw bolt to the cap member and insulating it therefrom, the head of the bolt being located inwardly for contact with the battery, a small metal cap having a threaded neck through which an outer portion of the bolt passes, the last mentioned cap when in one position on the bolt engaging the cap member and in another position being spaced from the cap member and nuts on the outer end of the bolt for connecting a conductor thereto.

2,256,130
METAL RESHAPING TOOL
Robert S. Trachsel, St. Joseph, Mo.
Application February 5, 1940, Serial No. 317,366
3 Claims. (Cl. 81—15)



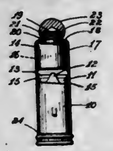
1. A metal re-shaping tool comprising a main frame member provided with a rigid handle extension and also with a ring element for engagement with one face of the metal, a U-shaped frame having one corner portion thereof fulcrumed in said main frame member, a dolly or pressure element carried by one arm of said U-shaped frame for movement into engagement with the opposite face of the metal opposite to said ring element, a lever also fulcrumed on said main frame member intermediate said ring element and the fulcrum point of said U-shaped frame, and pivotal operative connections between said lever and the other arm of said U-shaped frame.

2,256,131
MULTIMOTORED VEHICLE
Frederick A. Ward, Highland Park, Mich., assignor to Gear Grinding Machine Company, Hamtramck, Mich., a corporation of Michigan
Application May 26, 1939, Serial No. 276,009
5 Claims. (Cl. 180—22)



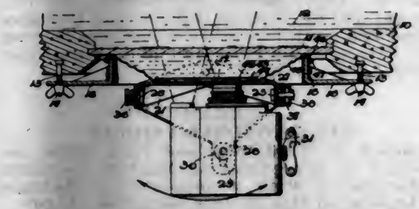
1. The combination with a truck including a chassis, a single motor unit mounted thereon, a cab arranged above said motor unit, a single rear driving axle, and a propeller shaft between said motor unit and axle, of a second motor unit mounted on said chassis in rear of, in close proximity to and at a higher level than said first mentioned motor unit, a second driving axle, a propeller shaft connecting said second motor unit and second axle arranged to provide working clearance over the first axle, a hood enclosing said second motor unit in rear of said cab having apertures in the sides thereof for entrance of cooling air and apertures in the rear wall for the exit of air, a plurality of radiators arranged within the hood in rear of the forward end of said motor unit and on opposite sides thereof, and means also in rear of the forward end of said second motor unit for propelling air through said radiators.

2,256,132
COSMETIC CONTAINER
James L. Younghusband, Chicago, Ill.
Application March 7, 1941, Serial No. 382,205
3 Claims. (Cl. 132—79)



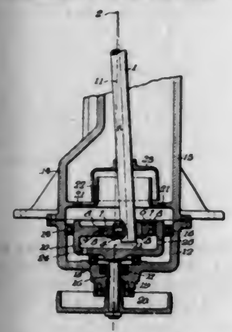
1. A cosmetic container comprising a body portion adapted to hold lipstick of a desired color, said body portion having side walls and a base, a removable cap adapted to slide over the side walls of the container down to the base, said cap extending above the upper ends of said side walls and providing a chamber therein, said chamber adapted to hold nail polish of a color for harmonizing with the color of the lipstick in the body portion, the top portion of said cap adapted to be opened to permit access to and use of the nail polish in said chamber.

2,256,133
REFRACTIVE EQUALIZER
George W. Barnes, Clifton Heights, Pa., assignor to E. R. Fenimore Johnson, Moorestown, N. J.
Application October 26, 1940, Serial No. 363,050
15 Claims. (Cl. 95—11)



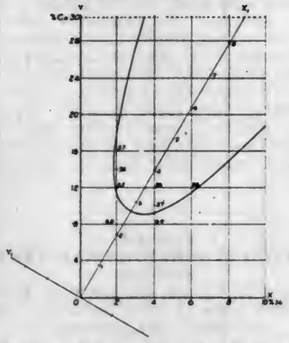
1. In a refractive equalizer for photographing objects through a boundary between a medium in which the objects are contained and another medium of a different index of refraction, a window opposite said boundary, a camera having its focal line perpendicular to the plane of said window, means providing two degrees of rotational freedom for said window and said camera with respect to said boundary and means maintaining a medium having substantially the same index of refraction as the medium containing the objects between the boundary and said window.

2,256,134
CRUSHER AND LIKE APPARATUS
Raymond Ernest Henri Bornay, Maisons-Laffitte, France
Application March 6, 1940, Serial No. 322,607
7 Claims. (Cl. 74—86)



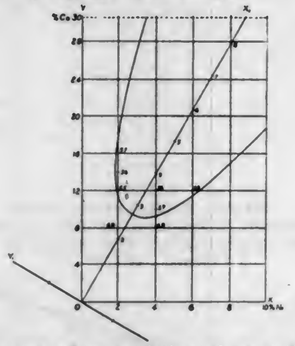
1. A transmission device for a grinder provided with a pendulous shaft having a conical movement of rotation, the said transmission device comprising a fixed housing, a rotatable member in the form of a cup so mounted as to be able to rotate in the said fixed housing and provided with an offset recess in which is arranged the outer ring of a spherical ball bearing, the inner ring of which is at right angles to the pendulous shaft and connected with this shaft by means which can longitudinally slide with respect to the said shaft while driving the latter but which cannot rotate with respect to the said shaft, the cup member resting against the said fixed housing on a level with the spherical ball bearing by means of another ball bearing, the said cup member extending through the lower part of the said fixed housing through the medium of a rotatable packing and directly carrying a driving member outwardly of the said housing.

2,256,135
FERROUS ALLOY
Arthur T. Cape, Santa Cruz, Calif., and Charles V. Foerster, Canton, Ohio, assignors to Coast Metals, Inc., Canton, Ohio
Application August 3, 1940, Serial No. 351,135
2 Claims. (Cl. 75—128)



1. A ferrous alloy consisting of more than 3% but not more than 5% carbon, nickel in amounts of from 1.7% to 10%, chromium in amounts of from 9% to 30%, copper in amounts of from .2% to about 5%, molybdenum in amounts of from .2% to about 2%, phosphorus in amounts of from about .06% to .2%, the balance of the alloy being iron.

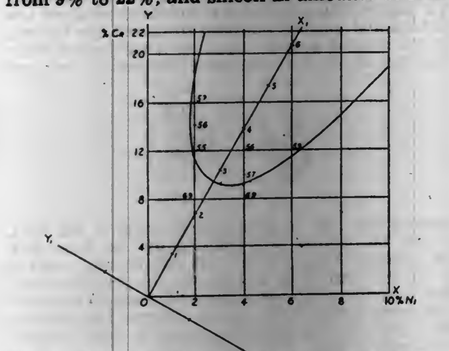
2,256,136
FERROUS ALLOY
Arthur T. Cape, Santa Cruz, Calif., and Charles V. Foerster, Canton, Ohio, assignors to Coast Metals, Inc.
Original application August 3, 1940, Serial No. 351,135. Divided and this application June 26, 1941, Serial No. 399,828
2 Claims. (Cl. 75—125)



1. A ferrous alloy consisting of more than 3% but not more than 5% carbon, nickel in amounts of from 1.7% to 10%, chromium in amounts of from 9% to 30%, and copper in amounts of from .2% to 5%, the balance of the alloy being iron.

2,256,137
FERROUS ALLOY
Arthur T. Cape, Santa Cruz, Calif., and Charles V. Foerster, Canton, Ohio, assignors to Coast Metals, Inc., Canton, Ohio
Application August 3, 1940, Serial No. 351,134
1 Claim. (Cl. 75—128)

A ferrous alloy consisting of more than 3% but not more than 5% carbon, nickel in amounts of from 1.7% to 10%, chromium in amounts of from 9% to 22%, and silicon in amounts of from

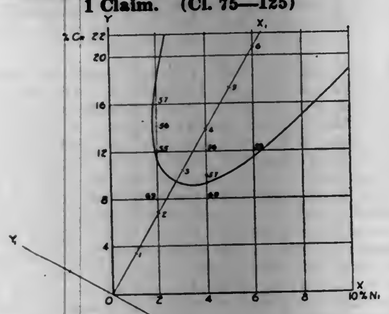


2% to 5.5%, in accordance with the following schedule:

Nickel	Silicon
1.7%- 3%	2% -3½%
3% - 5%	3½%-4½%
5% -10%	4½%-5½%

the remainder of the alloy being iron, and the silicon being present in an amount which renders the metal in the "as-cast" state no longer austenitic but critically ferritic.

2,256,138
FERROUS ALLOY
Arthur T. Cape, Santa Cruz, Calif., and Charles V. Foerster, Canton, Ohio, assignors to Coast Metals, Inc., Canton, Ohio, a corporation of Delaware
Original application August 3, 1940, Serial No. 351,134. Divided and this application June 26, 1941, Serial No. 399,829
1 Claim. (Cl. 75—125)

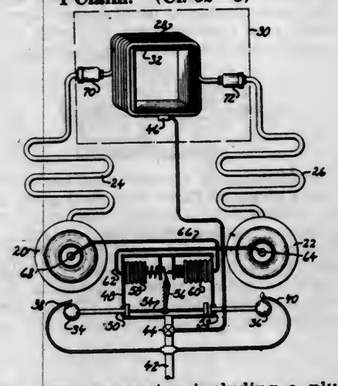


A ferrous alloy consisting of more than 3% but not more than 5% carbon, nickel in amounts of from 1.7% to 10%, chromium in amounts of from 9% to 22%, copper in amount of from .2% to 5%, and silicon in amounts of from 2% to 5.5%, in accordance with the following schedule:

Nickel	*Silicon*
1.7%- 3%	2 %-3½%
3 %- 5%	3½%-4½%
5 %-10%	4½%-5½%

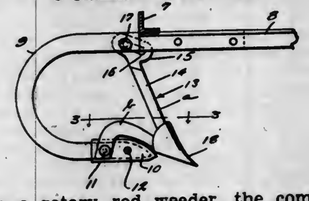
the remainder of the alloy being iron, and the silicon being present in an amount which renders the metal in the "as-cast" state no longer austenitic but critically ferritic.

2,256,139
REFRIGERATING APPARATUS
John W. Craig, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application April 7, 1938, Serial No. 200,704
1 Claim. (Cl. 62—5)



Refrigerating apparatus including a plurality of generator-absorbers, a condenser connected to each of the generator-absorbers, an evaporator connected to two of said condensers, and a flow control device located in each of the connections between said evaporator and said two condensers, each of said flow control devices including two passages for conducting refrigerant to and from the evaporator respectively, one of said passages including a constantly open restricted portion and a second portion in series therewith, a valve for controlling the flow through said second portion and a valve for controlling the flow through the other of said passages.

2,256,140
WEEDER ATTACHMENT
John M. Dalimata, Chester, Mont.
Application June 26, 1939, Serial No. 281,240
3 Claims. (Cl. 97—42)



1. In a rotary rod weeder, the combination with a rotary rod and the supporting members therefor, of a furrow forming plow located in front of a portion of the rod, and means for supporting the plow from a supporting member of the rod with the upper portion of the plow projecting from the ground to provide a furrow in the ground after the passage of the weeder.

2,256,141
COAL SIZING APPARATUS
Preston Dane, Poteau, Okla., Elijah H. McCulloch, Fort Smith, Ark., and Samuel Smedley, Poteau, Okla.
Application November 30, 1939, Serial No. 306,932
3 Claims. (Cl. 209—358)

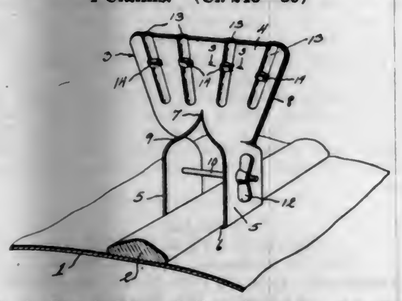
1. In a coal separating and sizing machine, an

elongated trough-like frame including sides and a bed plate, adapted for the feeding of the coal along the same, means for feeding the coal along said plate comprising a pair of endless conveyor chains having upper runs slidable over said plate lengthwise thereof and adjacent opposite sides of the same, respectively, cross bars extending between said chains to be dragged thereby over the plate, and thereby feed the coal along the same, and a series of grates in said plate spaced



apart longitudinally thereof and each including grate bars disposed flush with said plate and extending lengthwise thereof, the bars of said grates being spaced different distances apart in different grates, said cross bars being of angle iron form and disposed between said upper runs with the sides thereof converging upwardly whereby said bars function to lift the coal during the feeding operation and thereby mix the same.

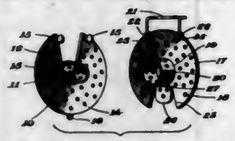
2,256,142
VEHICLE FLAG SUPPORT
Marvin E. Dean, Collinsville, Ill.
Application September 14, 1940, Serial No. 356,851
4 Claims. (Cl. 248—39)



4. A flag holder of the character described, comprising a body of sheet metal having a relatively wide top edge and having downwardly converging side edges, the sheet metal body being split centrally from its lower edge toward its top edge to provide two portions, said portions being torsionally twisted to bring the wide faces into opposed relation and to form supporting legs, said legs at their free ends having transversely extending inturned flanges forming gripping jaws, coupling means between the legs facilitating drawing the legs together, the body above the legs having tongues pressed therefrom and longitudinally bowed, and the body further having channels pressed therein and extending from the said top edge in downwardly convergent relation, each of said channels having the bowed portion of a tongue extending thereacross.

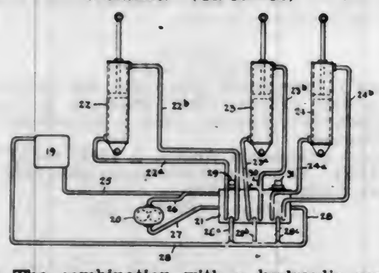
2,256,143
HAIR SWIRLER
Mabel F. Dunlavy, Potter, Nebr.
Application January 3, 1941, Serial No. 373,034
1 Claim. (Cl. 132—40)

A hair swirler comprising, a base disk provided at its center with a hollow stud and provided with a cut out to allow a strand of hair next to the head to be received within the swirler, a securing disk having a hollow stud rotatably connected with the first named stud and provided with a cut out to receive said strand of hair near the tip, a flap pivoted to the inner wall of the last named cut out adapted to clamp the tip end of the strand against the last named stud while the strand of hair is being manually wrapped



around the last named stud to form a pin curl, a pair of headed pins carried by the base disk on opposite sides of the cut out thereof, and a U-shaped wire lock pivoted on the securing disk and provided with open loops adapted to straddle said pins beneath the heads thereof for detachably latching the disks together to hold the pin curl until it sets.

2,256,144
HYDRAULIC CONTROL SYSTEM
Clayton E. Gifford and John F. Harrison, Marion, Ohio, assignors to The Huber Manufacturing Company, Marion, Ohio, a corporation of Ohio
Application March 27, 1939, Serial No. 264,314
3 Claims. (Cl. 60—52)

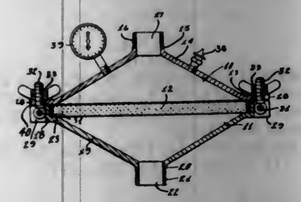


2. The combination with a hydraulic system comprising a plurality of jacks, a force pump, a reservoir and suitable interconnecting conduits, of separate control means for each of said jacks comprising a volumetric valve for regulating the flow of fluid from the reservoir to the pump proportionately to the amount required to be delivered to the jack with which said valve is associated, said volumetric valves being connected in parallel, one of said valves being a slow valve adapted to permit the delivery of less fluid than the other of said valves, said slow valve being provided with an auxiliary volumetric valve intermediate said valves and said pump for limiting the delivery of fluid by all of said valves to said pump, a diverter valve for controlling the flow of fluid from said pump to the jack with which said control means is associated, and a single control device for each control means for simultaneously actuating the valves associated therewith.

2,256,145
FILTER
Alvin Hock, Cincinnati, Ohio
Application January 17, 1938, Serial No. 185,301
2 Claims. (Cl. 210—112)

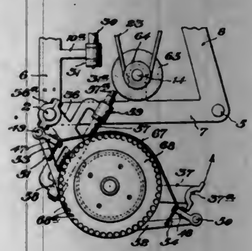
1. In a filter of the class described, the combination of a pair of conical shaped housings, each having a rim coextensive in area, one of said housings having a counterbored recess below its

rim an amount substantially equal to the thickness of a stone filter block received therein and said recess terminating in an inwardly extending radial shoulder forming a seat for said stone filter block, a stone filter block within said recess and resting directly on the radial shoulder and having its perimeter spaced substantially inwardly of the wall of the recess, a rubber packing ring around the perimeter of the filter block and between the same and the wall of the recess and normally being of insufficient lateral thickness to fill the space between the filter block per-



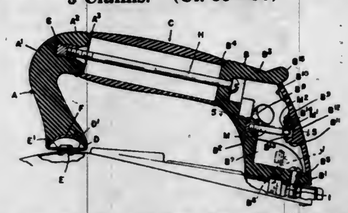
imeter and recess wall, said packing ring being wider than the filter block is thick and having its one end contacting the filter block seat and its other end above the filter block and adapted to be engaged by the rim of the other housing, and means for exerting only an axial movement of said housings relative to one another to squeeze the packing ring therebetween and causing a lateral expansion thereof to fill the space between the filter block perimeter and recess wall and to thereby seal the joints between the housing rims and around the perimeter of the filtering block.

2,256,146
BUTTON BLANK SLICING AND GRINDING MACHINE
Warren E. Knott, Federalsburg, Md.
Application June 15, 1940, Serial No. 340,825
15 Claims. (Cl. 79—15)



1. In a machine for operating on button blanks, a driven shaft; a rotatable tool mounted thereon; a disk-shaped head rotatably mounted adjacent the tool; means for rotating said head; the peripheral portions of said head and tool being normally disposed in overlapping relation; said head having recesses in its periphery each adapted to partly encircle a blank and to carry same around to and past the said tool; and a stationary flexible band yieldingly contacting the periphery of the head and the exposed portions of the series of the blanks in way of the tool to hold the blanks in frictional contact with the walls of the recesses as same approach and are operated upon by the tool.

2,256,147
HANDLE
Frank Kuhn, Grosse Pointe Farms, and Laurence H. Thomas, Birmingham, Mich., assignors to American Electrical Heater Company, Detroit, Mich., a corporation of Michigan
Application April 1, 1940, Serial No. 327,307
3 Claims. (Cl. 38—90)



1. A handle for electric laundry irons or the like comprising a plurality of sections of dielectric material including a pair of spaced column sections merging at their upper ends in oppositely extending portions with annular seats at their ends, a tubular handhold section between said column sections and engaging the annular seats in the oppositely extending portions thereof, the rear column section being recessed from its rear side to form a chamber for receiving the terminals of the electrical heating unit and the connections thereto and said forward section having threads therein, a bolt for securing said sections to each other having its head in the recess in said rear column section its shank passing through said tubular handhold section and its threaded portion engaging said threads in the forward column section, and a cover for closing the recess in said rear section having a snap-on engagement therewith.

2,256,148
METHOD OF PREPARING COPOLYMERS
Joy G. Lichty, Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 31, 1938, Serial No. 199,185
13 Claims. (Cl. 260—84)

2. A method of preparing copolymers which comprises polymerizing a mixture of at least two monomers each containing an ethylenic linkage and at least one containing conjugated double bonds in the presence of a chloropropionitrile.

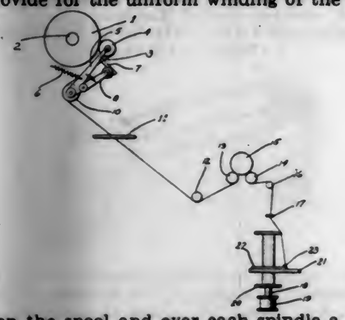
2,256,149
PREPARATION OF METHYL VINYL KETONE
John R. Long, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 4, 1940, Serial No. 338,743
5 Claims. (Cl. 260—595)

1. A method of preparing methyl vinyl ketone which comprises acetylating 3-chlor-2-butanone and pyrolyzing the resulting product to obtain the methyl vinyl ketone.

2,256,150
APPARATUS AND METHOD FOR PRODUCING ELASTIC YARN
Gerald D. Mallory, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application August 2, 1940, Serial No. 349,644
5 Claims. (Cl. 57—34)

1. In a twister of the type comprising a plural-

ity of spindles adapted to be rotated at high speed and each adapted to carry a spool, adjacent each spool a traveller adapted to circulate around the spool and travel over the length of the spool to provide for the uniform winding of the mate-



rial on the spool and over each spindle a guide, the improvement which comprises a roll adapted to hold rubber hydrochloride film and means for slitting the film into a plurality of strips with means for conveying each such strip to a separate guide and spool.

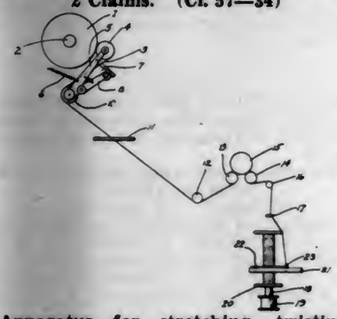
2,256,151

CUTTING, STRETCHING, AND TWISTING

Ralph C. Martin, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware

Application August 2, 1940, Serial No. 349,881

2 Claims. (Cl. 57—34)



1. Apparatus for stretching, twisting and winding film which comprises a feed roller, a plurality of knives for slitting the film into strips, a heated roller with separate means for passing each strip over the roller and means for twisting each separate strip of film and simultaneously winding it at a speed higher than the speed of travel of the surface of the heated roller.

2,256,152

STYRENE COPOLYMERS

Howard S. Nutting and Peter S. Petrie, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application October 10, 1939, Serial No. 298,848

2 Claims. (Cl. 260—73)

1. As a new synthetic resin, the product of the conjoint polymerization of styrene and between about 0.1 and about 5.0 per cent by weight of 2-methyl acrolein, being a clear, hard, resinous solid.

2,256,153

TIRE CORD AND THE LIKE

Theodore A. Richi, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 12, 1936 Serial No. 84,979

6 Claims. (Cl. 154—46)

6. A rubber article having embodied therein cords made up of a core of rayon fibers, said core being coated with a casein-latex mixture containing an age resister which promotes continued adhesion between the rayon cord and the rubber.

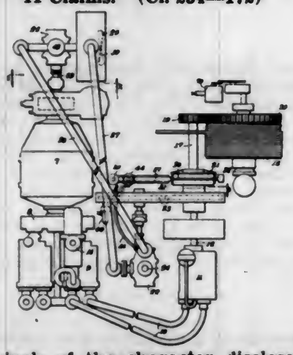
2,256,154

WINCH

John C. Smaltz, New York, N. Y., and Carl W. Kahlerth, Newark, N. J., assignors to McKiernan Terry Corporation, New York, N. Y., a corporation of New Jersey

Application October 15, 1938, Serial No. 235,205

11 Claims. (Cl. 254—172)



3. A winch of the character disclosed, comprising in combination, a motor continuously running while the winch is in operation, a booster pump driven by said motor, a fluid transmission including an A-end driven by said motor and a B-end operated from said A-end, a hoisting drum, a brake pump, differential drive gearing from said B-end to said drum and brake pump including a drive member operated by said B-end, a driven member operating said drum and a reaction member operating said brake pump, a brake for holding said reaction member, a pressure controlled hydraulic power unit for operating said differential brake, pressure connections between said booster pump and brake pump and a pressure conduit from said pressure connections to said pressure controlled power unit.

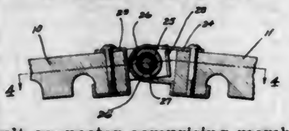
2,256,155

BELT FASTENER

Chester F. Smith, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware

Application June 22, 1938, Serial No. 215,289

8 Claims. (Cl. 24—33)



8. A belt connector comprising members to be attached to adjacent ends of a belt, a rubber bushing embraced by one of said members and a pin non-rotatably mounted on the other of said members and extending through said bushing, said pin being vulcanized to the rubber bushing.

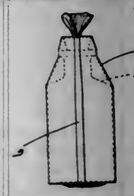
2,256,156

PACKAGING

James E. Snyder, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware

Application July 12, 1939, Serial No. 284,006

9 Claims. (Cl. 93—2)



1. The method of wrapping an article which comprises wrapping a thin sheet of rubber hydrochloride film around the article, heating at least one of the protruding ends of the wrap until it wilts, and pressing portions of the heated protruding film from different sides of the article together to cause them to cohere.

2,256,157

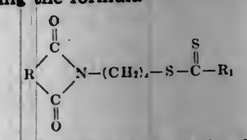
VULCANIZATION OF RUBBER

George W. Watt, Austin, Tex., assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 11, 1939, Serial No. 250,335

4 Claims. (Cl. 260—784)

1. The process of treating rubber which comprises vulcanizing it in the presence of a compound having the formula



in which R is arylene and R_1 is furyl and x is a whole number from one to three inclusive.

2,256,158

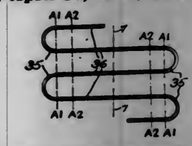
SPRING

Eugene R. Weisbender, Manhattan, Kans.

Application July 24, 1940, Serial No. 347,227

13 Claims. (Cl. 245—2)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A ribbon-like spring formed of a continuous piece of elongated stock into substantially uniplaned surface-forming members transversely of the ribbon and spaced from one another longitudinal of the ribbon, and a spring arch between each adjacent pair of said members, said arches being disposed on a plane at right angles to the plane of said ribbon.

2,256,159

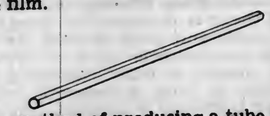
RUBBER HYDROCHLORIDE SIPPER

Foster J. Young, Kent, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware

Application November 9, 1939, Serial No. 303,633

5 Claims. (Cl. 154—8)

1. A tube of multi-ply, curled rubber hydrochloride film.



5. The method of producing a tube which comprises stretching one ply of rubber hydrochloride film, uniting it to a ply of cast film, heating the laminated product to cause it to curl, and uniting opposite edges of the curled sheet by heat and pressure to form the tube.

2,256,160

MAKING POLYMERIZED VINYL AROMATIC ARTICLES

Edgar C. Britton and Walter J. Le Fevre, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application November 18, 1938, Serial No. 241,161

6 Claims. (Cl. 173—244)

1. The method of polymerizing a vinyl aromatic compound to produce an article of desired shape which comprises polymerizing the compound at a temperature above 100° C. until the polymerization is from 50–85 per cent complete, to obtain a product which is sufficiently plastic to permit shaping of the same at temperatures not greatly higher than 100° C. and is sufficiently solid to retain its shape at room temperature, shaping the partially polymerized material and completing the polymerization.

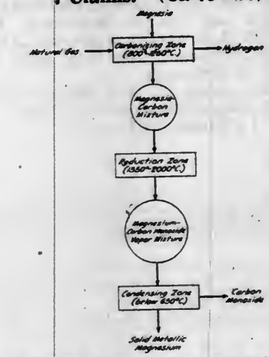
2,256,161

PRODUCTION OF LIGHT METALS

Joseph D. Hanawalt and John S. Peake, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

Application March 13, 1940, Serial No. 323,714

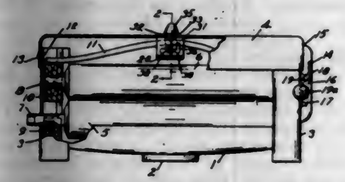
7 Claims. (Cl. 75—67)



1. A method of producing a light metal which comprises: preparing a reduction charge by passing a stream of a gaseous hydrocarbon into intimate contact with a mass consisting essentially of a porous oxide of a metal selected from the

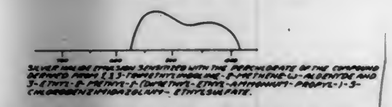
class consisting of the alkaline earth metals, magnesium, aluminum, silicon and beryllium in a carbonizing zone maintained at such a temperature above the minimum carbonization temperature of the hydrocarbon but below the temperature at which the oxide is reduced appreciably by carbonaceous material that carbonization of the hydrocarbon occurs substantially all within the oxide mass, whereby hydrogen is liberated and there is obtained an intimate mixture of the oxide and finely divided carbon, and withdrawing the hydrogen as it is formed, said carbonizing operation being carried out for a time sufficient to form a reduction charge in which carbon is present in a proportion substantially equivalent chemically to the oxide; then heating the oxide-carbon reduction charge so formed in a reducing zone maintained at a reaction temperature to reduce the metal oxide and liberate the metal as a vapor; and condensing the vapor.

2,256,162
WRINGER AND THE LIKE
Walter L. Kauffman, II, Erie, Pa., assignor to Lovell Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application June 9, 1939, Serial No. 278,301
6 Claims. (Cl. 68—263)

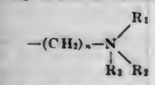


1. In a wringer or the like having a frame; and rolls mounted in the frame; the combination therewith of a top bar on the frame; a pressure mechanism for the rolls comprising a pressure means and a pressure adjusting device mounted on the top bar and movable horizontally and rectilinearly with relation thereto, said device interposing as it is moved stepped spacing surfaces varying the spacing of the pressure means from the top bar.

2,256,163
PHOTOGRAPHIC SILVER HALIDE EMULSION
Karl Kumetat and Gustav Wilmanns, Wolfen, Kreis Bitterfeld, Germany, assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application December 23, 1939, Serial No. 310,826
In Germany December 24, 1938
4 Claims. (Cl. 95—7)

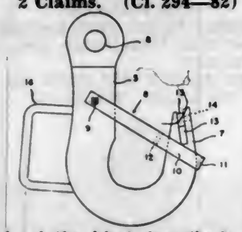


1. A silver halide gelatine emulsion containing an unsymmetrical benzimidazole trimethine cyanine dye in which one of the nitrogen atom of the benzimidazole nucleus carries the radical



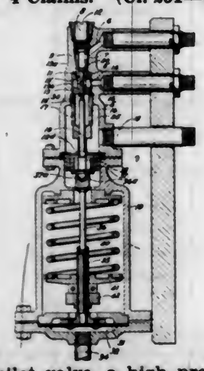
n being a whole number greater than 1 and R_1, R_2, R_3 being alkyl.

2,256,164
SAFETY HOOK
Edward J. Mahoney, Jersey City, N. J., assignor to Mahoney-Clarke Inc., New York, N. Y., a corporation of New York
Application November 14, 1939, Serial No. 304,361
2 Claims. (Cl. 294—82)



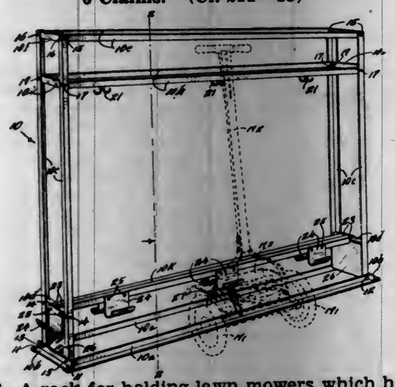
1. A hook of the kind described comprising a downwardly extending shank portion, a curved hook portion extending substantially parallel to the shank formed on the end thereof and terminating in an upwardly extending bifurcated nose portion to a point substantially midway the shank portion, a link member hinged to said shank portion at a point substantially opposite the end of the nose portion and including spaced arms with a cross piece at their outer ends, a flat locking bar pivotally mounted in the bifurcated portion of the nose, the pivotal point of said locking bar being positioned so that a portion of the bar on one side of said pivotal point may be swung into the bifurcated portion of the nose into alignment with said nose portion and so that the portion of the bar on the other side of the pivotal point forms an elongation of the nose portion whereby the link member may be moved free of the hook portion, said locking bar being adapted to be swung and to gravitate to a position horizontally across the nose portion and the spaced arms of the link member for locking said link member on the nose portion.

2,256,165
PILOT VALVE
Henry J. Mastenbrook, Cleveland, Ohio, assignor to The Swartwout Company, Cleveland, Ohio, a corporation of Ohio
Application July 14, 1937, Serial No. 153,580
4 Claims. (Cl. 251—76)



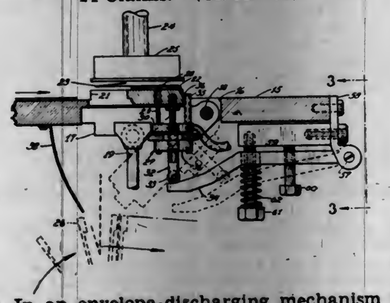
1. In a pilot valve, a high pressure chamber, an intermediate pressure chamber and a low pressure chamber, axially aligned relatively adjustable cylindrical valve seats dividing said chambers from each other, a cylindrical valve closure member axially movable in said seats having ports adjacent thereto by the movement of which with respect to said seats the pressure of said intermediate chamber is varied, means urging said closure member toward said low pressure chamber, and flexible fluid impervious means closing the side of said low pressure chamber which intersects the axis of said valve seats, said flexible means carrying a rigid part with a flat load bearing surface normal to said axis and movable in the direction of said axis, said valve closure member extending into said low pressure chamber and having a smooth rounded end bearing upon said flattened surface.

2,256,166
RACK FOR LAWN MOWERS
Charles M. McCarthy, Minneapolis, Minn.
Application November 10, 1939, Serial No. 303,808
6 Claims. (Cl. 211—13)



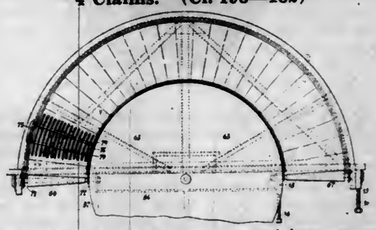
1. A rack for holding lawn mowers which have a cutting cylinder, supporting wheels at the ends of said cylinder, a small roller at one side of said cylinder and a comparatively long handle extending at right angles to the axis of said cylinder comprising a frame having a base portion adapted to rest upon the floor and a portion disposed a short distance above said base portion and a bracket projecting outwardly from said last mentioned portion and disposed at a short distance above the floor constructed and arranged to receive and hold said roller to maintain said mower adjacent said rack supported on said wheels and with said handle inclined rearwardly toward and resting against said rack.

2,256,167
AUTOMATIC AIR ENVELOPE KNOCKOUT
Edmund B. Moore, Brooklyn, N. Y.
Application March 14, 1936, Serial No. 68,797
14 Claims. (Cl. 93—72)



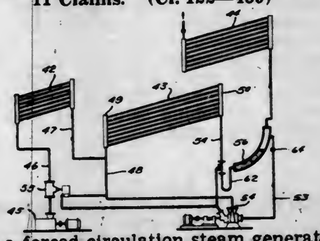
3. In an envelope-discharging mechanism for the downwardly swingable trap of an envelope machine, said trap having an opening therethrough, a guide on the under surface of the trap, a yoke movable in said guide in a direction substantially normal to the top of said trap, a plunger carried by said yoke, extending through said trap opening, an air nozzle on said yoke adapted to extend at times above the top of said trap, a cam on said envelope machine, and a cam follower on said yoke engaged with said cam, said cam being so formed as to raise said yoke with respect to said trap upon downward swinging of said trap.

2,256,168
CONVEYER OF THE ENDLESS BAND TYPE
John Currie Paterson, Peterborough, England, assignor to Baker Perkins Company Inc., Saginaw, Mich.
Application September 28, 1938, Serial No. 232,224
In Great Britain September 29, 1937
4 Claims. (Cl. 198—182)



1. A conveying device comprising an open-work endless band arranged for travel in a curved or semicircular path between terminal radial roller means, said band comprising inner and outer chain elements connected by spaced radial spokes and flexible, closely wound coiled springs closely adjacent each other extending between the spokes.

2,256,169
STEAM GENERATOR WITH FORCED CIRCULATION
Heinrich Peters, Berlin, Germany, assignor to La Mont Corporation, New York, N. Y., a corporation of New York
Application March 31, 1938, Serial No. 199,144
In Germany November 28, 1936
11 Claims. (Cl. 122—489)



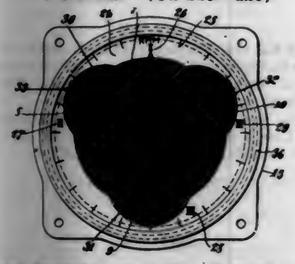
1. In a forced circulation steam generator, the combination with a generator circuit comprising steam generator tubes, a circulating mechanism connected to the input and to the discharge ends of said tubes and a centrifugal steam separator, a stabilizing reservoir connected to said circuit, said stabilizing reservoir being so located and so connected with said circuit that water in excess of that which can properly be handled in said circuit at a given time may be directed into said reservoir for later discharge again into said circuit, and means for insuring such direction

of the excess water under predetermined pressure conditions in said circuit between the discharge ends of said generator tubes and the intake of said separator.

2,256,170
PROPELLER SYNCHRONIZING AND OTHER INSTRUMENTS

Walter P. Powers, East Orange, N. J., assignor to Associated Patentees, Inc., a corporation of New Jersey

Application January 24, 1941, Serial No. 375,817
7 Claims. (Cl. 116—129)



1. In an instrument of the character disclosed, the combination of superposed main and supplemental grids composed of parallel lines in vernier relation to cooperatively produce a shadow bar extending across the field of overlap of the superposed grids, said grids being mounted for relative rotational adjustments of one in respect to the other, there being a plurality of said supplemental grids in superposed relation to said main grid and each being rotationally adjustable independently of said main grid, said main grid being of a width to collectively cooperate with all the supplemental grids, the latter individually being of less width and positioned to stand in a single row when cooperatively related to said main grid.

3. A multiple engine propeller synchronizer, comprising a flat main grid of spaced substantially parallel lines mounted for pivotal movement on an axis substantially at right angles to the plane of said grid, an engine driven speed responsive device for rotationally positioning said main grid, other individual engine speed responsive flat grids pivotally mounted in overlying substantially parallel relation to said main grid and composed of spaced substantially parallel lines in vernier relation to the lines of said main grid to cooperatively form with said main grid indicator bars extending the full extent of superposition of said other and main grid lines and engine speed responsive devices for individually rotationally positioning said other grids in respect to said main grid.

2,256,171
METHOD OF FOCUSING ELECTRON MICROSCOPES

Helmut Ruska, Berlin-Nikolassee, Germany, assignor to "Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung," Berlin, Germany, a corporation of Germany

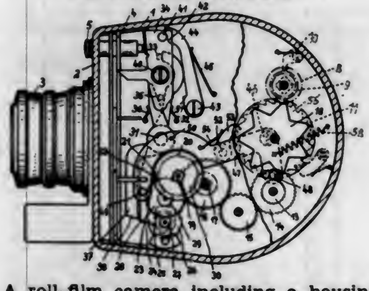
No Drawing. Application February 28, 1940, Serial No. 321,237. In Germany September 16, 1938
5 Claims. (Cl. 250—49.5)

1. The method of electron-microscopically examining organic substances of weak electron-optical contrasts, which comprises adding to the organic substance to be examined colloidal particles of an inorganic material chemically inert with respect to said organic substance and of greater density than said organic substance so as to form a conglomerate of strong electron-optical contrasts, subjecting the conglomerate thus obtained to electron-microscopical magnification, and adjusting the magnification by focusing the magnified image on the contrasts of the conglomerate.

2,256,172
ROLL-FILM CAMERA

August Schatz, Josef Braun, and Rudolf Heim, Triberg, Germany

Application April 18, 1939, Serial No. 268,514
In Germany September 7, 1935
3 Claims. (Cl. 95—31)



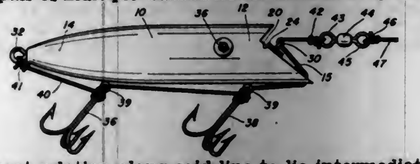
1. A roll-film camera including a housing, a lens, a tensioned type shutter supported in said housing behind said lens, rotatable means for engagement with a film spool whereby to feed the film on said spool, a spring motor, a gear train means between said spring motor and said rotatable means, shutter release means for releasably holding said tensioned shutter in tensioned condition and movable to release said shutter, and a pair of crossed levers biased to pivot in opposite directions about a common pivot, means with said levers to tension the shutter and to return the shutter release means to holding position, means on said shutter release means for engaging said levers whereby to reverse the same upon movement of said shutter release means to release said shutter, stop means on said gear train, one end of the first of said levers being normally reposed against said stop means, the corresponding end of the other lever being engageable with said stop means upon reversal of said levers whereby to lock said gear train means and said motor against operation until after release of said shutter, and rotatable abutment means rotatable with said gear train and engageable with said first lever upon movement away from position of repose whereby to prevent return thereof after return of said shutter release means to its first position until rotation of said gear train disengages said abutment means from said lever.

2,256,173
ARTIFICIAL MINNOW PLUG

Otto Schechterle, Seattle, Wash.

Application September 25, 1940, Serial No. 358,197
10 Claims. (Cl. 43—46)

1. An artificial minnow fish lure comprising a minnow body having a screw eye adjacent its trailing end and a notch on its head end, a socket member having a restricted throat said member being cemented in the head end of said body, a boss releasably engaged in said socket member and including a line guiding eye, and a trolling line attached to said screw eye, said line having a pair of multiple-barbed hooks secured in spaced



apart relation along said line to lie intermediate the ends of said body, said line passing forwardly to engagement in said notch and also to pass through the guide eye on the head end of said body.

2,256,174
PROCESS OF PRODUCING ACETYLENE FROM HYDROCARBONS

Heinrich Schilling, Heidelberg, and Ludwig Heer, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana

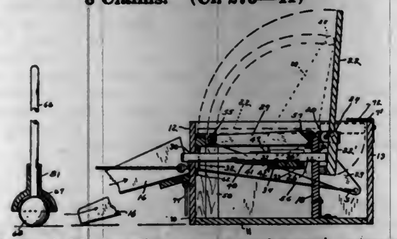
No Drawing. Application July 1, 1937, Serial No. 151,542. In Germany July 4, 1936
2 Claims. (Cl. 204—171)

1. The process of producing acetylene from normally liquid hydrocarbons which comprises passing an inert carrier gas through an electric arc, adding said hydrocarbons to the gas before the arc, converting said hydrocarbons to the gaseous condition before the gas reaches the arc, quenching the gaseous products leaving the arc by admixing them immediately after their exit from the arc with a normally liquid hydrocarbon and preventing entry of the quenching liquid into the arc zone, thereby avoiding cooling of said zone.

2,256,175
PORTABLE GAME APPARATUS

Francis J. Schmidt, Wauwatosa, Wis.

Application February 29, 1940, Serial No. 321,461
8 Claims. (Cl. 273—41)

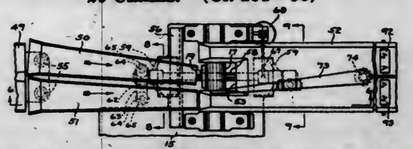


3. Portable bowling game equipment, comprising the combination of a cabinet having a front wall provided with a row of apertures and a partition near its rear wall provided with corresponding apertures, a set of pins having their end portions respectively mounted in the front wall and partition wall apertures, a set of puppets pivotally mounted in the space between the partition and the rear wall with depending end portions in the path of the pins, and reset means including a pair of pivoted arms and a connecting rod intermediate the unpivoted ends thereof and normally disposed to lie in a horizontal plane adjacent the top wall of the partition, a lever offset from said arms within the cabinet and a rod extending through the front wall to engage the offset lever whereby to provide reset means accessible from outside the cabinet, and a cover for the cabinet having means for connecting one of its margins with the front wall underneath the forwardly projecting ends of said pins, whereby a ball may be rolled across the cover into contact with any one of the pins.

2,256,176
SHEARING ELONGATED MATERIAL

John W. Sheperdson, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a corporation of Massachusetts

Application September 11, 1940, Serial No. 356,239
20 Claims. (Cl. 164—66)

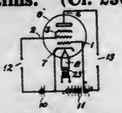


6. Apparatus for shearing elongated material comprising a wheel arranged to be rotated continuously about its axis and provided with a peripheral surface in the form of a circle, a member rotatable about an axis parallel with the wheel axis and shaped to provide an outer surface in the form of a circular arc, a movable shear blade, means connecting the member to the shear blade to actuate the same, releasable means to hold the member stationary in a predetermined position with the said surfaces out of contact, the member being biased to turn about its axis when said means is released and bring the said surfaces into contact, thereby causing the wheel to drive the member through a portion of a revolution by frictional engagement therewith, the various parts being so constructed and arranged that the shear blade will pass through its cutting position during the said portion of a revolution, and a friction brake arranged to decelerate the member after the said surfaces have moved out of contact, the releasable means being arranged to stop the rotation of the member at the completion of one revolution.

2,256,177
THERMIONIC TUBE AND CIRCUIT

Charles Francis Stromeyer, East Orange, N. J., assignor to Revelation Patents Holding Company, New York, N. Y., a corporation of Delaware

Application March 29, 1939, Serial No. 264,689
19 Claims. (Cl. 250—27)



1. A thermionic tube having a cathode capable of emitting electrons and an anode, a space-charge grid capable of producing a virtual cathode in the space between the space-charge grid and anode when a positive potential is applied to the space-charge grid, at least one signal-control grid between the space-charge grid and anode, an auxiliary grid between the signal-control grid and anode, a direct connection between the signal-control grid and the said auxiliary grid.

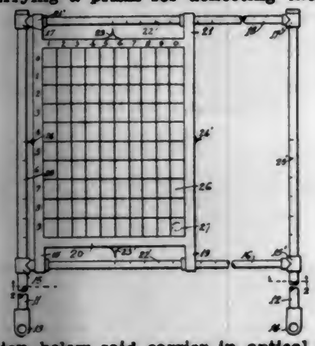
2,256,178
FILM READING SYSTEM

Robert Stuart, Forest Hills, N. Y.

Application February 4, 1939, Serial No. 254,694
6 Claims. (Cl. 88—24)

1. A system for reading microfilm, comprising

a carrier having transparent squares, means for securing the film to said carrier with one frame of the film in register with each square, a supporting frame for said carrier, a sliding head secured to said frame, a crosshead, an arm carrying a projector above said carrier, and a second arm carrying a prism for deflecting the line of



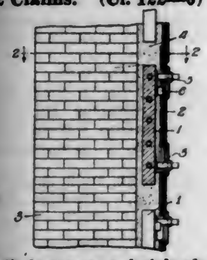
projection below said carrier in optical register with said projector, said arms rigidly connected to move together by said crosshead slidably supported by said sliding head to adjust the projector to register with any frame and means for projecting the subject of the frame through said prism.

2,256,179

SHAFT COOLING SYSTEM FOR BLAST FURNACES

Thomas Thomson, London, England, assignor to H. A. Brassert & Company, Chicago, Ill., a corporation of Illinois

Application November 27, 1939, Serial No. 306,279
In Germany November 10, 1938
2 Claims. (Cl. 122—6)



1. In a shaft furnace, a brick shaft construction, a metallic shell enclosing the brickwork and spaced therefrom, cooling members located between the brickwork and shell, and refractory material filling the spaces between the brickwork, shell and cooling members.

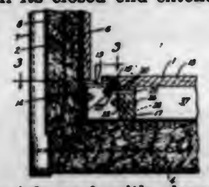
2,256,180

FLOOR RACK FOR REFRIGERATOR VEHICLES

Gustav P. Torburn, Oakland, Calif.

Application February 7, 1940, Serial No. 317,662
1 Claim. (Cl. 105—375)

In a refrigerator car having a wall and a floor, a floor rack comprising a stringer extending substantially parallel with said wall in spaced relation thereto and transversely extending slats supported upon the upper surface of said stringer and extending relatively close to said wall, a hinge butt secured to said wall adjacent said floor, said butt comprising spaced apart arms and a substantially horizontal integrally formed pintle supported by said arms in spaced relation to said wall, a notch in the under side of one of said slats between said stringer and said wall, an inverted U-shape hinge strap secured to said stringer with its closed end extending upwardly



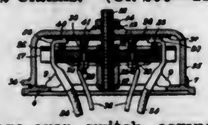
into said notch and with depending flanges straddling said pintle in rotative engagement therewith, one of said flanges having a width substantially equal to the distance between said arms to prevent movement of the rack parallel with said wall, and a bolt extending between said flanges below said pintle to limit upward movement of the rack.

2,256,181

CHANGE-OVER SWITCH

Joseph Tyrner, Englewood, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York

Application March 20, 1940, Serial No. 324,967
2 Claims. (Cl. 200—11)



1. A change-over switch comprising a base member having an annular portion carrying upwardly extending radial ribs and a central hub supported by said ribs, a disc of insulating material having cavities therein and mounted on said ribs, springs in said cavities, contact members supported above said disc on said springs and adapted for connection to conductors, a dish-shaped cover member adapted to cover said disc and engage the annular portion of said base member, contact members secured to but insulated from the inside of said cover member and adapted to cooperate with the contact members supported on said disc, and means for retaining said cover member in any one of a plurality of angular positions on said base member.

2,256,182

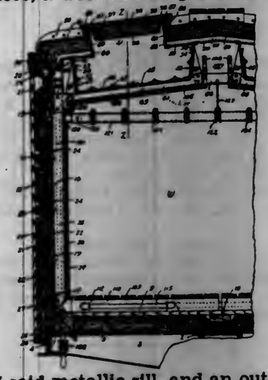
REFRIGERATOR CAR CONSTRUCTION

Ralph B. Winship, Montreal, Quebec, Canada, assignor, by mesne assignments, to Standard Railway Devices Company, a corporation of Delaware

Original application June 30, 1938, Serial No. 216,732. Divided and this application April 28, 1939, Serial No. 270,572
7 Claims. (Cl. 105—409)

1. A wall structure for a refrigerator car comprising a metallic sill forming part of the underframe of the car, a wooden sill mounted upon and secured to said metallic sill, a metallic sub-sill mounted upon and secured to said wooden sill, an inner metallic plate, a plurality of spaced apart vertical posts extending between and secured to said metallic sub-sill and inner metallic plate, insulating material outside of the posts and supported thereby, an outer metallic plate, a wooden piece secured to the inside of the outer

metallic plate, a plurality of spaced apart brackets connecting said inner metallic plate and said wooden piece, a wooden stringer mounted on the



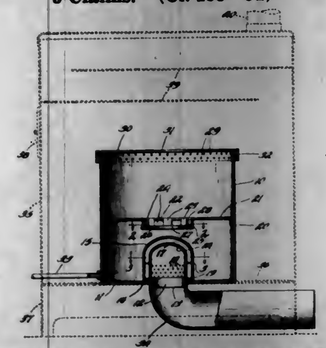
outside of said metallic sill, and an outer sheathing extending between and secured to said wooden piece and stringer.

2,256,183

BURNER

John Wojcicki, Chicago, Ill., assignor of one-half to Julius Bandyga, Chicago, Ill.

Application June 5, 1940, Serial No. 338,839
3 Claims. (Cl. 158—91)



1. A burner comprising a casing, said casing constituting a combustion chamber, the bottom of said casing being provided with an opening, a collar integrally formed with the bottom of said casing and on the marginal edge of said opening, an inverted cup-shaped shell positioned over said opening and in frictional engagement with said collar, and a like larger outer shell in concentric relation with the first shell and in engagement with said bottom, each of said shells being provided with a plurality of perforations, the perforations in the two shells being on different horizontal planes, the two shells constituting an air preheating chamber, and means for admitting fuel to the combustion chamber externally of the shells.

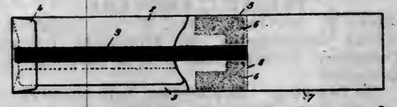
2,256,184

MANIFOLDING PAY ENVELOPE

Charles J. Allen, Teaneck, N. J., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine

Application June 22, 1940, Serial No. 341,847
1 Claim. (Cl. 282—25)

A pay envelope made from a single piece of paper comprising a front side, flaps secured to opposite sides of said front side and folded over one another and adhesively secured together adjacent one longitudinal edge of the envelope, an end flap adhesively secured to the overlapped flaps and closing one end of the envelope, a sealing flap at the opposite end of the envelope, a detachable extension flap at the distal end of the sealing flap, one of said side flaps being relatively narrow and terminating short of the



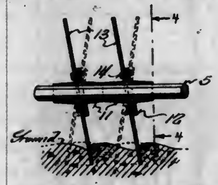
longitudinal central section of the envelope, whereby the overlapped side flaps cause only a double thickness of material at the longitudinal central section of the envelope, and an area of transfer material applied to and extending along said longitudinal central section of the back of the envelope and the underside of the sealing flap, said sealing flap having adhesive on the underside thereof at opposite sides of the transfer material thereon but not over the transfer material.

2,256,185

GROUND WORKING IMPLEMENT

Mando S. Ariens, Brillion, Wis.

Application October 9, 1939, Serial No. 298,639
1 Claim. (Cl. 97—212)



A ground-working implement comprising, a frame supported by traction wheels, a transverse hexagonal driven shaft journaled in said frame, a plurality of spaced ground engaging discs mounted on said shaft and disposed in parallel planes at an acute angle to the longitudinal axis of said shaft, hubs mounted on said shaft and abutting each other, said hubs being provided with flanges intermediate their ends, said discs being slidably mounted on the hubs for abutting contact with the flanges, fastening elements extending through the discs and into said flanges for binding said discs to the flanges, and power-driven means for rotating said hexagonal shaft.

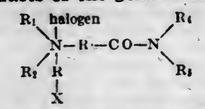
2,256,186

QUATERNARY NITROGEN COMPOUNDS

Gerhard Balle, Frankfort-on-the-Main, and Karl Horst, Hofheim in Taunus, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application March 3, 1939, Serial No. 259,632. In Germany October 10, 1935
6 Claims. (Cl. 260—561)

1. The products of the general formula:



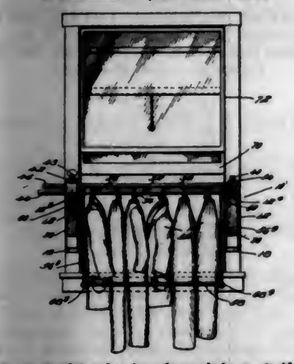
wherein R_1 and R_2 represent lower aliphatic

hydrocarbon radicals, R_4 and R_5 represent members of the group consisting of hydrogen, hydrocarbon radicals and aliphatic hydrocarbon radicals substituted by hydroxy-groups, R_3 and R_4 represent aliphatic hydrocarbon radicals, and X means amidated COOH.

2,256,187
MINERAL OIL PRODUCT AND PROCESS OF TREATING THE SAME
Thomas W. Bartram, Nitro, W. Va., assignor, by mesne assignments, to Monsanto Chemical Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 17, 1935, Serial No. 31,882
12 Claims. (Cl. 44—9)

1. A cracked petroleum distillate fuel unstable to oxidation containing a small proportion of an ester of a phosphorous acid.

2,256,188
DETACHABLE DEVICE FOR AIRING CLOTHES
Maurice M. Berren, Providence, R. I.
Application May 24, 1940, Serial No. 337,105
8 Claims. (Cl. 211—124)

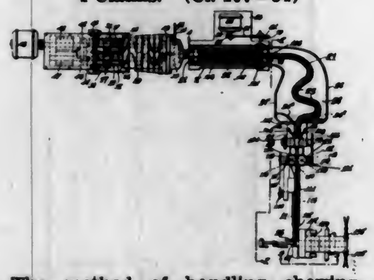


1. A detachable device for airing clothes on the outside of a window, comprising, in combination, a pair of shelf brackets, adapted to be secured to the outer surface of a building on opposite sides of a window in horizontally aligned relationship, one of said brackets having a threaded holding stud projecting upwardly from the outer end thereof, and the other of said brackets having a duplex rod holding loop projecting upwardly from the outer end thereof, two rods of similar shape, each having a free end engageable within said loop and a hole on the opposite end for receiving said threaded stud, one comprising a clothes hanger supporting rod and the other comprising a clamping rod for clamping against clothes hanger hooks inserted on said clothes hanger supporting rod, and a clamping nut threadable on said stud over the holes in said rods, a pair of retaining frames each adapted to abut one end of a group of garments mounted on clothes hangers supported on said clothes hanger supporting rod, detachably mounted on said clothes hanger supporting rod exterior of said clothes, each of said frames comprising a triangle formed of bent wire having a loop for threading on said clothes hanger supporting rod at the apex thereof and terminating in spaced ends in the base thereof, and a retaining frame spacer and retaining bar having a loop at each end thereof detachably securable to one of said wire frames through the space between the spaced wire ends in the base thereof.

2,256,189
ANTIOXIDANT FOR RUBBER
Max Bögemann, Cologne-Mulheim, Otto Bayer and Rudolf Schröter, Leverkusen, Rhine, and Hans Pohle, Cologne-Mulheim, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application October 11, 1938, Serial No. 234,396. In Germany October 12, 1937
3 Claims. (Cl. 260—576)

3. Compounds selected from the class consisting of N-phenyl-N'-cyclohexyl-p-phenylene diamine and N-naphthyl-N'-cyclohexyl-p-phenylene diamine.

2,256,190
METHOD OF HANDLING CHEWING GUM
Jacob Warren Bowman, Philadelphia, Pa., assignor, by mesne assignments, to William Steell Jackson and Son, Philadelphia, Pa., a firm comprising William Steell Jackson and Joseph Gray Jackson
Original application April 7, 1934, Serial No. 719,450. Divided and this application October 9, 1935, Serial No. 44,148. Renewed February 15, 1940
4 Claims. (Cl. 107—54)

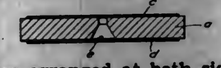


1. The method of handling chewing gum rapidly from the batch to be wrapped which consists in extruding a strand of bulky section substantially as thick as it is wide, in concurrently with the extrusion surface-heating the extruding strand to surface tackiness, in surface-cooling and surface-sweetening the strand by shaking the strand with sugar along a portion of its travel length and along sequentially later portions of its travel length in reducing, cutting and wrapping the strand.

2,256,191
METHOD FOR EXAMINING OBJECTS IN AN AIR SPACE BY MEANS OF ELECTRON MICROSCOPES
Bodo v. Borries, Berlin-Spandau, and Helmut Ruska, Berlin-Nikolassee, Germany, assignors to "Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung," Berlin, Germany, a corporation of Germany
Application April 12, 1939, Serial No. 267,404
In Germany April 13, 1938
5 Claims. (Cl. 250—51)

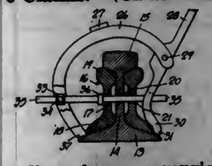
1. A device for examining, in an electron-microscope having an electronic vacuum vessel,

objects which must be kept in air, said device comprising an object holder forming a separate body to be exchangeably inserted into the vacuum vessel, said body having an aperture for the passage of electron rays, two foils pervious



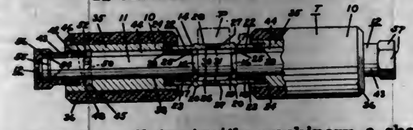
to electron rays arranged at both sides of said holder respectively and covering said aperture to provide an air space in said aperture, and means for gas-tightly joining said foils with said holder so as to hermetically seal said air space.

2,256,192
RAIL SPLICE CLAMP
Raymond J. Chapman, Orange Township, Noble County, Ind.
Application September 6, 1940, Serial No. 355,558
6 Claims. (Cl. 29—84)



1. A rail splice clamp comprising a curved frame adapted at one end thereof to engage one rail splice plate, a lever pivoted to the other end of said frame and including a forked portion adapted to engage a rail splice plate opposite said first plate, and an aligning pin slidably carried by said frame adjacent its rail engaging end and adapted to be freely received between the forks of said lever.

2,256,193
TOP ROLL
Leland D. Cobb, Forestville, Conn., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 10, 1939, Serial No. 289,332
11 Claims. (Cl. 19—142)



1. In a top roll for textile machinery, a shaft, an antifriction bearing arranged to be handled as a unit with the shaft, roll members removably mounted on the shaft at each side of the bearing, and end caps demountably locked in journalled engagement with the ends of said shaft which project out of said rolls.

2,256,194
METHOD OF IMPROVING THE ADHESION OF RUBBER TO COTTON
Richard A. Crawford, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application August 17, 1939, Serial No. 290,625
5 Claims. (Cl. 154—40)

1. The method of improving the adhesion of rubber to cotton which comprises applying to the cotton a shellac-amine soap, associating the treated cotton with vulcanizable rubber, and vulcanizing the assemblage.

2,256,195
MANUFACTURE OF DINITRO-ORTHO-CRESOL
William F. Filbert, Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 16, 1939, Serial No. 273,889
5 Claims. (Cl. 260—622)

2. A method of preparing 4,6 dinitro-ortho-cresol, which comprises reacting at an elevated temperature sulfuric acid of at least 75% strength with ortho-cresol, treating the resultant material in dilute solution with at least two molecular equivalents of nitric acid while maintaining the reacting mixture at a temperature of at least 70° C., separating the product formed, and washing said product by agitation in a molten condition with hot water.

2,256,196
PURIFICATION OF DIPHENYLAMINE
William F. Filbert, Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 2, 1940, Serial No. 316,929
5 Claims. (Cl. 260—576)

5. A method of purifying diphenylamine which comprises treating freshly granulated diphenylamine with an organic solvent for the substances causing discoloration of diphenylamine, but which possesses a limited solubility for diphenylamine, said solvent being selected from the group consisting of the alcohols and hydrocarbons, said solvent being brought into intimate contact with the surface of the grains of diphenylamine for a time sufficient to dissolve the adsorbed impurities thereon, and separating the grains from the solvent.

2,256,197
REFRIGERATOR CAR
Paul E. Finger, New Kensington, Pa., assignor, by mesne assignments, to Standard Railway Devices Company, a corporation of Delaware
Application April 14, 1939, Serial No. 267,787
5 Claims. (Cl. 62—17)



1. In a refrigerator car having a refrigerant bunker near an end wall of the car, a doorway in a side wall remote from said bunker, a door adapted to close said doorway, a floor rack for supporting a lading upon the floor and providing a space therebetween, and a bulkhead between said bunker and the lading compartment of the car, said bulkhead being spaced from the floor and roof to provide openings for air circulation, a refrigerant container below the roof alined with said doorway and extending substantially the width thereof, an enclosing structure for said container having a cold air discharge opening and an air inlet opening, a flue associated with said door and communicating between said cold

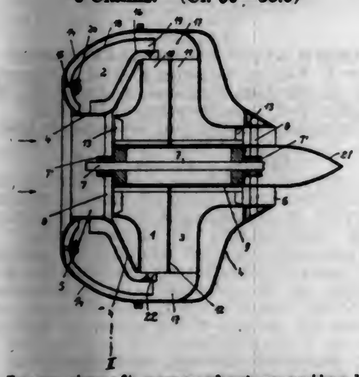
air discharge opening and said space whereby air cooled by the refrigerant in said bunker circulates under said bulkhead to said space upwardly through the lading compartment and returns over said bulkhead to said bunker and whereby air cooled by the refrigerant in said container circulates through said flue to said space, upwardly through the lading compartment and returns through said air inlet opening to said container thereby refrigerating the lading remote from said bunker.

2,256,198

AIRCRAFT POWER PLANT

Max Hahn, Seestadt Rostock, Germany, assignor to Ernst Heinkel, Warnemunde, Germany

Application May 31, 1939, Serial No. 276,572
In Germany May 27, 1938
6 Claims. (Cl. 60—35.6)



1. In an aircraft power plant operating by the effect of reaction, a housing, a channel in the housing for introducing air and a channel for discharging gas, a bearing connected to the housing and disposed in the entrance channel, another bearing connected to the housing and disposed in the discharge channel, a rotor journalled in the bearings and comprising a one-step compressor and a one-step turbine, entrance openings being provided in the compressor adjacent to the entrance channel of the housing and discharge openings being provided in the turbine adjacent to the discharge channel of said housing, said compressor having outlet ports and said turbine having inlet ports the compressor also having vanes arranged in meridian sections and simultaneously arranged axially for introducing the air and radially for the discharge of the air, the turbine likewise having vanes arranged in meridian sections and simultaneously arranged radially for the introduction of the gas and axially for the discharge of the gas and a ring-shaped combustion chamber connecting the outlet port of the compressor and the inlet port of the turbine, the said combustion chamber being arranged at the frontal surface of the housing coaxially around the entrance channel for the air.

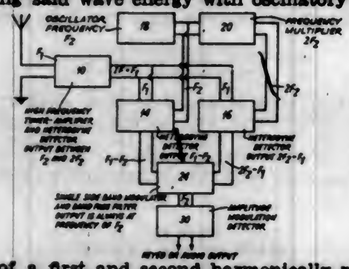
2,256,199

MEANS FOR ELIMINATING PHASE AND FREQUENCY MODULATION

Clarence W. Hansell, Fort Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application August 12, 1939, Serial No. 289,728
12 Claims. (Cl. 250—20)

1. The method of demodulating amplitude modulated wave energy and limiting the effect of extraneous phase and frequency modulation of said wave energy which includes the steps of, beating said wave energy with oscillatory ener-



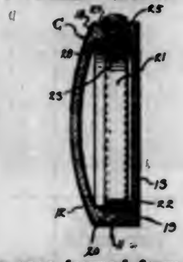
gies of a first and second harmonically related frequencies and combining the energies resulting from said beating action to obtain a resultant of constant phase and frequency for demodulation purposes.

2,256,200

WATCHCASE

Donovan J. Heilman, Madison, Wis.

Application July 28, 1939, Serial No. 286,958
3 Claims. (Cl. 58—90)



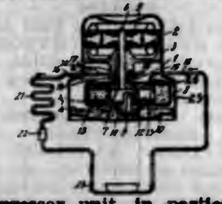
3. A watch case formed from plastic material having a body and an integral transparent face, a cushion rubber ring fitted in said body, a works-carrying ring connected with the rubber cushion ring, a removable cover for the case having an annular shoulder for sealing contact with the cushioning ring, a stem extending into the case, and means for preventing the seeping of moisture around the stem.

2,256,201

REFRIGERATING APPARATUS OF THE COMPRESSION TYPE

Rudolf Hintze, Berlin-Charlottenburg, Germany, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany, a corporation of Germany

Application February 24, 1938, Serial No. 192,287
In Germany February 26, 1937
13 Claims. (Cl. 230—79)



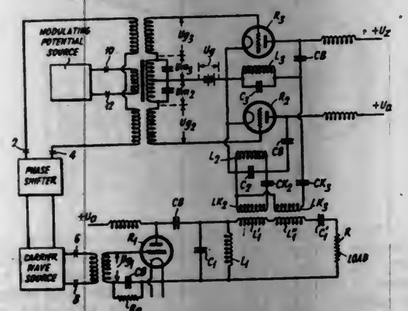
1. A compressor unit, in particular for refrigerating systems, having a sealed housing forming an oil sump, a limited quantity of oil disposed in said sump, a stationary member in said housing having a suction duct and a compression duct, a rotary impeller arranged in said housing, a container eccentrically surrounding said impeller and forming a pumping chamber together with said impeller, said suction duct and said compression duct being arranged to sequentially communicate with said chamber when said impeller is in operation, said container having ducts communicating with said sump to effect the formation of an annular oil body in said container for compressively acting on said chamber when said impeller is in operation, an electric motor disposed in said housing and connected with said impeller, and means for causing the oil to lubricate said motor when said impeller is in operation.

2,256,202

MODULATION

Rudolf Hofer, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application May 7, 1938, Serial No. 206,578
In Germany May 20, 1937
14 Claims. (Cl. 179—171.5)



1. In a high efficiency carrier wave modulating and amplifying system, a load circuit, a source of carrier waves, an amplifier having an input coupled to said carrier wave source and having output electrodes coupled to said load circuit, a carrier suppressor modulator comprising a pair of tubes having input electrodes coupled to said carrier wave source and having output electrodes coupled by separate circuits to said load circuit and to the output electrodes of said amplifier, means for controlling the amplification of the tubes of said modulator in push-pull relation in accordance with signal potentials, and means for producing a phase relation between the carriers supplied to the inputs of said amplifier and modulator such that the energy supplied by said modulator to said load and to the output electrodes of said amplifier is in phase with the carrier energy on the output electrodes of said amplifier during the positive half cycles of the modulating potentials and is in phase opposition during the negative half cycles of said modulating potentials.

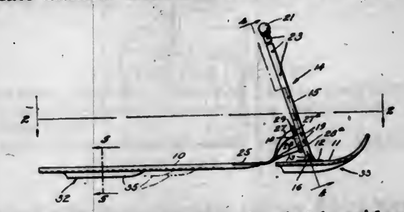
2,256,203

SCOOTER SKI

Ralph R. Hylan, Lexington, Mass.

Application June 5, 1940, Serial No. 338,979
1 Claim. (Cl. 280—23)

An improved scooter ski comprising in combination a front and rear runner, a steering post pivoted to said rear runner, a rectangular slide-way recess extending all of the way along the lower surface of said rear runner, a T-shaped skate member located in said recess having the



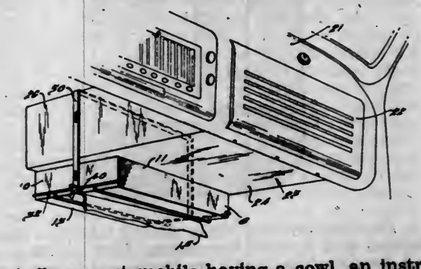
flat top face of the T shape located in said recess slideway, said skate member being longitudinally adjustable in said slide way recess.

2,256,204

TISSUE DISPENSER FOR AUTOMOBILES

Charles M. Jameson, Detroit, Mich.

Application December 5, 1939, Serial No. 307,662
4 Claims. (Cl. 206—19.5)



1. In an automobile having a cowl, an instrument panel extending downwardly adjacent the rear edge of the cowl, and a glove compartment having bottom, side, and top walls projecting forwardly from the instrument panel below and in spaced relation to the cowl, the combination of a carton having an opening in one side thereof and containing tissue adapted to be withdrawn through said opening, and means for holding said carton with its opposite side against the bottom of said compartment, said last-named means including a relatively rigid supporting member engaging said one side of said carton without obstructing said opening and having its extremities adjacent the opposite ends of said carton, and an elastic member extending around the side and top walls of said compartment, and connected at its ends to the said extremities of said member, said supporting member being so constructed that a carton may be withdrawn and replaced when the supporting member is pulled downwardly against the force exerted by said elastic member without disconnecting said members.

2,256,205

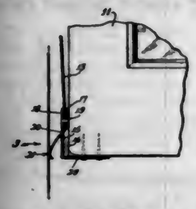
GLIDER HOOK FOR SASH BALANCES

James B. Jessup, Burbank, Calif., assignor to Duplex, Inc., West Hollywood, Calif., a corporation of California

Application April 1, 1940, Serial No. 327,155
8 Claims. (Cl. 16—205)

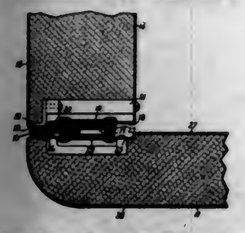
1. A glider hook of the character described comprising a bracket member for attachment to a sash, said member being formed with a slot for the reception of a leaf spring, a spring retaining boss extending inwardly from said bracket, and a leaf spring fulcrumed in the said slot having a

portion extending outwardly from the bracket for frictional engagement with a member external



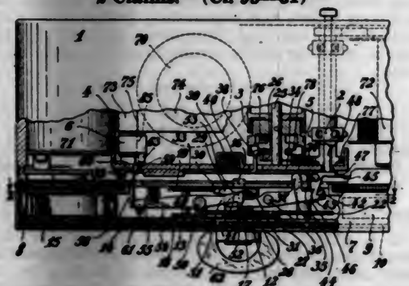
thereof and a portion extending upwardly inside the bracket and mounted on the said boss.

2,256,206
REFRIGERATOR CABINET
James L. Knight, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application April 6, 1938, Serial No. 200,394
5 Claims. (Cl. 220—9)



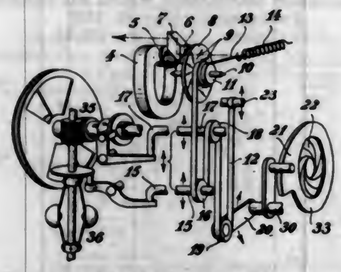
1. In combination with a cabinet having a door opening and a door for closing said opening, a wall construction including inner and outer metallic shells and insulating material therebetween, a thermally resistant breaker strip of relatively resilient non-hygroscopic material extending between adjacent edges of said shells, a relatively wide channel in the outer surface of said breaker strip, said breaker strip being provided with a reinforcing member of relatively stiff material lodged in said channel and exposed to view when the door is open.

2,256,207
ROLL FILM CAMERA WITH SPRING MOTOR
Ludwig Leitz and Heinrich Broschke, Wetzlar, Germany, assignors, by mesne assignments, to Frank Dumur, Lausanne, Switzerland
Application April 19, 1939, Serial No. 268,710
In Germany May 12, 1938
2 Claims. (Cl. 95—31)



1. In a motor driven camera, a focal plane shutter including a leading and a following shutter curtain, rewinding means therefor, a self starting spring motor for driving said rewinding means, a lever relay device engaging said motor for holding the same normally inactive, a hook connected to said relay and normally held thereby in the path of movement of said following shutter curtain to latch the relay in holding position, a shutter release for opening the shutter to make an exposure, means carried on said following shutter curtain engaging said hook at the end of its movement to release the same from its said normally held position and a spring urging said relay away from the holding position and operable upon the release of said hook for actuating said relay to release the motor to drive said rewinding means.

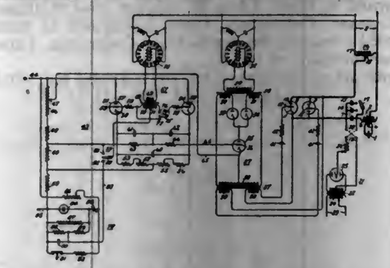
2,256,208
COMBINED CAMERA AND EXPOSURE METER
Ludwig Leitz and Heinrich Broschke, Wetzlar, Germany
Application December 12, 1940, Serial No. 369,796
In Germany January 5, 1940
9 Claims. (Cl. 95—10)



1. In a combined photographic camera and exposure meter, said camera having a film sensitivity adjuster, a diaphragm and diaphragm adjuster, a shutter and shutter adjuster and means for holding said adjusters in their adjusted positions; said meter having a photoelectrically actuated exposure indicating pointer; a rotatable disk and pulley mounted in optically operative relation to said pointer, said disk having exposure indicating marks adapted to be moved into registry with said pointer by rotation of said disk and pulley, a transmission belt having one end connected to said sensitivity adjuster and the other end connected to said pulley, the free run of said belt operatively engaging said other adjusters, spring actuated means for rotating said disk and pulley in one direction and means for moving said adjusters to vary the free run of said belt in accordance with such movements to cause rotation of the disk and pulley in the same or opposite direction whereby to move one of said disk marks into register with said pointer to indicate correct exposure adjustment of said diaphragm and shutter.

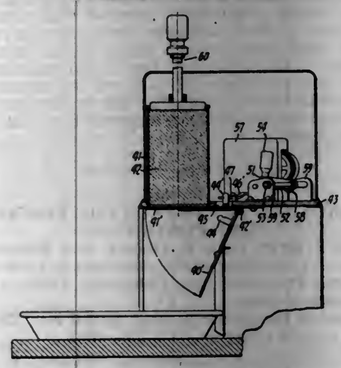
2,256,209
ELECTRIC TRANSLATING CIRCUIT
Louis G. Levoy, Jr., Ballston Lake, N. Y., assignor to General Electric Company, a corporation of New York
Application August 17, 1939, Serial No. 290,602
51 Claims. (Cl. 171—119)

1. The method of energizing a load circuit from an alternating current supply circuit through electric translating apparatus including a circuit comprising an inductance and a capacitance tuned substantially to the frequency of the alternating current circuit which comprises preestablishing a charge on said capacitance and



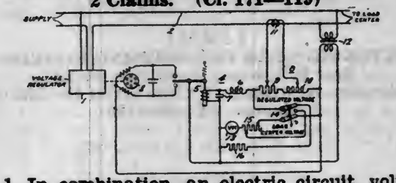
subsequently connecting the supply circuit to said load circuit through said resonant circuit.

2,256,210
ANIMAL FEEDING DEVICE
Alberta A. MacDonell, San Francisco, Calif.
Application November 17, 1939, Serial No. 304,929
5 Claims. (Cl. 161—10)



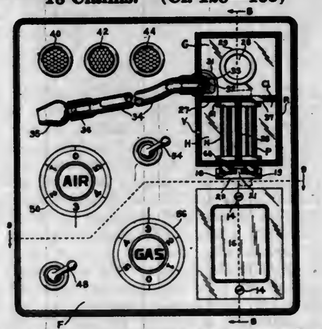
1. A device for dispensing food for consumption by an animal comprising a cylindrical, open-ended, tubular receptacle for the food, a closure plate closing one end of the receptacle and a cylindrical plunger in axial alignment with the axis of the receptacle for movement through the receptacle axially thereof but normally closing the opposite end, means mounting said plate for movement from over said one end to open position, a plate securing means releasably securing said plate in position over said one end, and actuating means arranged and adapted to simultaneously release said plate securing means for movement of said plate to open position and to cause said plunger to fall by gravity for forcing the food within the receptacle therethrough and out of said one end, said tubular receptacle being disposed vertically and of uniform diameter throughout its length, said closure plate being disposed below and across the lower open end of the receptacle, said plunger being disposed over the upper end of the receptacle, the food adapted to be enclosed within the receptacle being supported on said plate and said plunger being gravity actuated and supported against movement by the plate and food thereon when the plate is in closed position, but free to move downwardly on the food to force the food downwardly through the lower end of the receptacle when the plate is moved to open position, and guide means cooperatively associated with said plunger for maintaining the plunger coaxial with the receptacle during said downward movement of said plunger.

2,256,211
VOLTMETER CIRCUIT
Salvatore Minneci, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application October 25, 1940, Serial No. 362,805
2 Claims. (Cl. 171—119)



1. In combination, an electric circuit, voltage sensitive circuit controlling means connected across said circuit at a particular place thereon through a line drop compensating impedance, means for passing a current through said impedance which is proportional to the current in said circuit so as to cause said circuit controlling means to respond to the voltage at another place on said circuit, an indicating voltmeter, an impedance corresponding in ohmic value to said line drop compensating impedance, an impedance corresponding in ohmic value to said voltmeter, and means for selectively causing said voltmeter to indicate accurately the voltage of said circuit at said places for all loads on said circuit without disturbing the setting of said circuit controlling means comprising two position switching means which in one position connects said voltmeter in parallel with said voltage sensitive circuit controlling means and in its other position connects said voltmeter across said circuit at said particular place through said impedance corresponding in ohmic value to said line drop compensating impedance and also connects said impedance corresponding in ohmic value to said voltmeter in parallel with said voltage sensitive circuit controlling means.

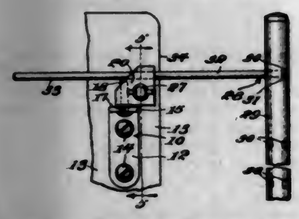
2,256,212
INHALATOR
Alan R. Morrison, Spokane, Wash., assignor to Emmett L. Harrigan, Lakewood, Ohio
Application June 6, 1939, Serial No. 277,639
18 Claims. (Cl. 128—185)



1. An inhalator comprising a small capacity electrolyte reservoir having a septum dividing the same into two compartments, a closure for said reservoir, a pair of electrodes mounted in

said reservoir and on opposite sides of said septum, one of said compartments being vented, a gas chamber communicating with the other of said compartments, an inhaler tube leading from said gas chamber, means for supplying a current of air to said gas chamber, a low voltage transformer, a low amperage rectifier in circuit with said transformer and with said electrodes, the positive pole of said rectifier being connected to that electrode which is in the compartment communicating with said gas chamber.

2,256,213
EXTENSION BAR FOR IRONING BOARDS
Bror E. Nilsson, Oceanside, N. Y.
Application November 27, 1939, Serial No. 306,367
2 Claims. (Cl. 38—106)



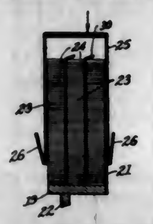
1. A rack support for use on an ironing board comprising a fixed bracket having a pivot, a frame including an arm extending transversely of the said pivot, and a clamp including cooperative plate elements adjustable relative to each other to grip the said pivot and arm therebetween, whereby movement of the plates away from each other will permit the arm to be simultaneously moved longitudinally and angularly to a selected position and whereby movement of the plates toward each other will cause the same to frictionally engage the pivot and arm to hold the frame in the said selected position.

2,256,214
GRADING AND TERRACING MACHINE
Benjamin F. Owen, Omaha, Nebr.
Application November 28, 1940, Serial No. 367,536
4 Claims. (Cl. 37—163)



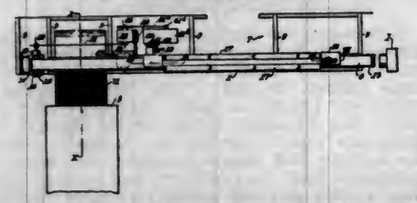
1. In a grading and terracing machine, a ridge beam provided with ground wheels and having a downwardly projecting stabilizing frame rigidly secured thereto, a casting swingably mounted on the stabilizing-frame and including a pair of parallel, connected side plates provided with horizontal flanges, an apertured, horizontal control-plate disposed upon and secured to the flanges of the casting, a scraper blade disposed below the ridge beam and having a pair of opposed adjusting-plates disposed at the sides and pivotally mounted on the casting and provided with a plurality of apertures concentric with said pivotal mountings, a keeper carried by the casting and disposed in selected apertures of said adjusting-plates, and a locking-pin on the ridge beam adapted to be moved into a selected aperture of said control-plate.

2,256,215
METHOD OF PACKAGING SAGGER PINS
Howard S. Orth, Clair R. Oberst, and William E. Cramer, Columbus, Ohio, assignors to Industrial Ceramic Products Inc., Columbus, Ohio, a corporation of Ohio
Application November 26, 1937, Serial No. 176,678
1 Claim. (Cl. 226—2)



The method of packaging sagger pins which comprises producing from a disorderly mass of sagger pins groups of horizontally disposed parallel pins, stacking said groups of parallel pins in substantially vertical orderly piles in an open sided holder, placing a substantially vertical separator having a laterally directed flange at its upper edge between adjacent stacks of pins, positioning said holder when filled in an inverted shipping carton, inverting the holder and carton to position the stacks of pins on the flanges of the separators and removing the holder without disturbing the orderly arrangement of the pins and separators.

2,256,216
METHOD AND APPARATUS FOR FORMING CLAY PRODUCTS
Howard S. Orth, Clair R. Oberst, and William E. Cramer, Columbus, Ohio, assignors to Industrial Ceramic Products, Inc., Columbus, Ohio, a corporation of Ohio
Application November 3, 1938, Serial No. 238,576
21 Claims. (Cl. 25—105)



4. The method of forming sagger pins comprising the steps of extruding a column of clay onto a conveyor belt which is moving at a greater speed than said column, simultaneously severing a portion of said column therefrom and pressing the severed portion on said belt to make it stick thereon and move in unison therewith, simultaneously and repeatedly moving a knife with said belt and through the severed portion of said column to sever it into a plurality of equal length sections while on said belt, and passing said sections through a drying kiln.

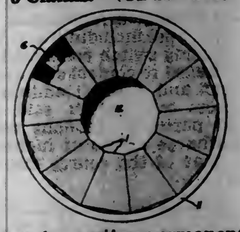
21. In mechanism for forming sagger pins, a belt-like conveyor, a cutting device positioned adjacent to said conveyor, said device comprising a knife mounted for movement into and out of engagement with said conveyor, means for moving said knife into and out of engagement with said conveyor in timed relation to the movement of said conveyor, and means movable with and relative to said knife for engaging said conveyor to move said knife in unison with said conveyor during movement of said knife into and out of engagement with said conveyor.

2,256,217
EXPANSION PLUG FOR INTERNAL COMBUSTION ENGINES
Sidney E. Pearson, Kansas City, Kans.
Application June 8, 1939, Serial No. 278,069
1 Claim. (Cl. 220—25)



A plug for closing an opening through the wall of an engine block or the like, comprising a dish-shaped, perforated cover provided with an annular flange adapted to bear against the marginal edge of the wall around the opening to be closed when the body of the cover is within the opening; a perforated head extending substantially diametrically across the opening in spaced relation to the cover; a coupling bolt provided with an internally threaded, axial socket at one end thereof and means at the other end for pivotally engaging the head at the perforation thereof; external screw-threads on the said bolt at the socketed end thereof; a nut on the bolt movable toward and from the outer face of the innermost portion of the cover; and an L-shaped key having external screw-threads at one end in screw-threaded engagement with the internal threads of the bolt, said nut being below the plane of the annular flange when the same is forced against the cover.

2,256,218
METHOD AND APPARATUS FOR CASTING PERMANENT MAGNETS
John D. Seaver, Cohasset, Mass., assignor to General Electric Company, a corporation of New York
Application October 4, 1939, Serial No. 297,910
5 Claims. (Cl. 22—203)



1. A process for casting permanent magnet alloys which comprises rotating a mold having openings therethrough and a metal closure plate for the outer ends of said openings, and pouring molten metal into said rotating mold and onto said plate to thereby simultaneously form a pair of polepieces mounted on said plate.

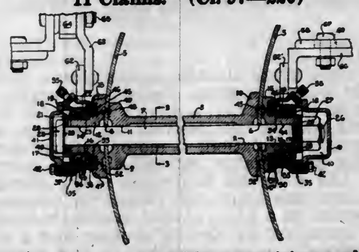
2,256,219
POWER MOWING MACHINE
Adolph Ronning, Minneapolis, Minn.
Application May 26, 1938, Serial No. 210,200
3 Claims. (Cl. 56—10)

1. In combination, a vehicle, a lawn mower carried by the vehicle for severing grass as the vehicle moves forwardly over a lawn, a chamber forming receptacle disposed adjacent the mower to directly receive the grass cut thereby and thrown into the chamber in loose momentarily suspended condition, a comminuting device



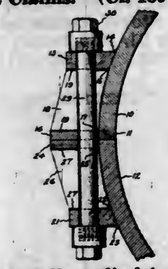
tubularly connected to said receptacle and comprising a power driven cutter and blower adapted to creating a suction in said chamber, for removing the cut grass in momentary suspension therein, and for further reduction of the grass into finely cut particles for discharge upon the lawn.

2,256,220
DISK GANG ASSEMBLY
Oscar W. Sjogren, Huntington Park, Calif., assignor to Killefer Manufacturing Corporation, Los Angeles, Calif., a corporation of California
Application October 4, 1939, Serial No. 297,841
11 Claims. (Cl. 97—220)



1. A disk gang assembly comprising a plurality of ground working disks, spacers between said disks, end caps at opposite ends of said assembly, bearing members mounted on said end caps, and a gang bolt extending through aligned openings in said disks, spacers, and caps and bearing against the outer ends of said bearing members to draw said assembly together into a rigid unitary structure.

2,256,221
ELASTIC FLUID TURBINE CASING
Arthur R. Smith, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 18, 1938, Serial No. 196,709
2 Claims. (Cl. 189—36)



1. A substantially cylindrically-shaped fabricated elastic fluid turbine casing having two halves with faces engaging each other near a

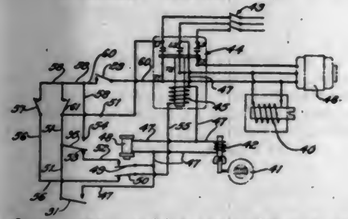
plane through the axis of the cylindrical casing, and means securing the two halves together comprising a flange with a row of openings for each half welded to a portion thereof circumferentially spaced from its face, and a plurality of bolts projecting through the openings for securing the halves together, intermediate portions of the bolts being so closely spaced with the adjacent surfaces of the cylindrical casing that the holding force of the bolts is applied to the casing in a line substantially tangent to the line of juncture of the two halves.

2,256,222

COUNTER FOR SHOE PRESS MACHINES

John Frederick Smith, Quincy, Mass., assignor to Compo Shoe Machinery Corporation, Boston, Mass., a corporation of Delaware

Application July 12, 1939, Serial No. 284,080
5 Claims. (Cl. 235—92)



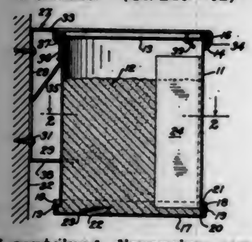
1. A shoe press machine comprising a carrier movable past a loading station, a plurality of presses on said carrier, a driving motor for moving said carrier successively to present said presses at said station, a motor driving circuit including an operator controlled motor starting switch and a carrier controlled motor stopping switch, operator controlled means for increasing the pressure in a press at said loading station, a circuit including an electric counter and a pilot switch closable upon operation of said pressure increasing means to energize said counter and cause it to register once, a sustaining circuit arranged to be energized upon closure of said pilot switch and connected with said counter to keep the latter energized after said pilot switch is opened, said motor starting switch being included in said sustaining circuit and arranged to deenergize the latter when moved to motor starting position, and means controlled by said sustaining circuit preventing completion of said motor driving circuit whenever said sustaining circuit is energized, whereby said motor cannot be started while said pressure increasing means is in position to close said pilot switch.

2,256,223

SELF-CONTAINED DISPENSING CAN

Laurence J. Stovel, Richmond, Calif.

Application July 31, 1939, Serial No. 287,462
3 Claims. (Cl. 146—61)



1. A self-contained dispensing can especially suitable for the dispensing of soap and the like, said dispensing can consisting of a hollow cylindrical body adapted to receive and hold a charge of soap, a closure immovably fastened to and sealing one end of said body, a disc closure rotatably mounted on the other end of said body and adapted to be gripped and turned by the hand; said disc closure having an arcuately shaped, tapered slot therein extending from the exact-center of the disc closure to its periphery with the wider portion of the slot adjacent to the center of said disc closure, and an arcuately shaped, tapered severing element on said disc closure projecting within said body; said tapered severing element having its wider portion adjacent to the center of said disc closure, said severing element including a cutting edge and a wall which constitutes the side wall of said slot over which cut material from a charge in said body is guided to and through the slot.

2,256,224

CIRCUIT FOR ELECTRIC DISCHARGE DEVICES

Richard N. Thayer, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York

Application April 14, 1939, Serial No. 267,802
2 Claims. (Cl. 176—124)



1. A starting and operating circuit for a gaseous electric discharge device having electrodes adapted to be preheated by the passage of current comprising means forming a partially resonant series circuit for connecting said device with a source of alternating current supply, said means being capacitive and including a reactor and a capacitor, a starting switch connected across said device and arranged to control said electrode preheating current and a small additional reactor connected across said switch, said reactor influencing said partially resonant series circuit whereby a discharge device of higher operating voltage than that of the source may be started and operated.

2,256,225

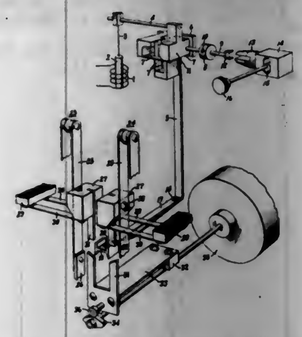
ELECTRORESPONSIVE DEVICE

Louis W. Thompson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application November 29, 1940, Serial No. 367,865
2 Claims. (Cl. 200—87)

1. A primary electroresponsive controller for an automatic regulator comprising, in combination, an electromagnet having a winding which is energized in accordance with the value of a condition to be regulated and having a movable armature assembly, a set of crossed leaf springs for providing a frictionless pivotless mounting for said armature assembly, means attached to said armature assembly for balancing the pull of said

winding thereon when said winding is energized in accordance with the normal value of said condition, two sets or normally open contacts, one contact of each set being crossed leaf spring mounted, a continuously reciprocating member for engaging a part of said armature assembly whenever said assembly departs from its normal position so as to impart a reciprocating motion



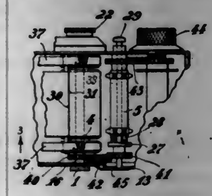
to said part, means responsive to said reciprocating motion of said part for periodically closing one or the other of said sets of contacts depending upon the direction of the departure of said armature assembly from said normal position, and means for increasing the ratio of the time closed to the time open of said sets of contacts in proportion to the magnitude of the departure of said armature assembly from said normal position.

2,256,226

FOCAL PLANE SHUTTER

Adam Wagner and Ferdinand Mal, Wetzlar, Germany, assignors, by mesne assignments, to Frank Dumur, Lausanne, Switzerland

Application May 16, 1939, Serial No. 273,903
In Germany June 2, 1938
3 Claims. (Cl. 95—57)



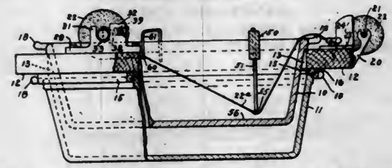
1. In a braking device for a focal plane shutter which includes a leading and a follow up curtain which are released successively to form an exposure opening and which curtains move with accelerated motion when released, a mechanism for decreasing the speed of the leading curtain so that both of said curtains may enter the exposure area at the same speed after their release and for again decreasing the speed of said leading curtain at the end of its movement to avoid jar and noise, said mechanism consisting of a brake, brake actuating means interposed between said brake and said leading curtain and operatively connected to both for automatically operating said brake when said leading curtain is released and just before an exposure and for again automatically operating said brake after an exposure for the purposes aforesaid.

2,256,227

SURGICAL BANDAGE IMPREGNATING DEVICE

John Zaccheo, New Rochelle, N. Y.

Application November 21, 1939, Serial No. 305,570
9 Claims. (Cl. 91—32)



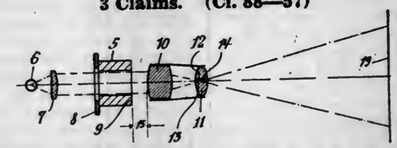
6. A bandage impregnating apparatus comprising in combination, a vessel; a supply roll of bandage; means for mounting the roll for unrolling the bandage and near one margin of the vessel; a means for guiding the bandage through the vessel; a pair of brackets adjustably secured near said margin and provided with vertical faces engaging the ends of said roll, for retarding rotation of the roll and keeping the bandage taut and guiding the bandage drawn through the vessel.

2,256,228

OPTICAL SYSTEM FOR MEASURING PURPOSES

Otto Zimmermann, Wetzlar, Germany

Application June 5, 1940, Serial No. 338,891
In Germany March 2, 1939
3 Claims. (Cl. 88—57)



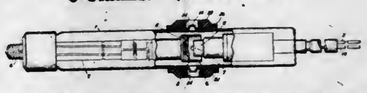
1. In an optical system for use in optical measuring projection apparatus, said system consisting of two optical lens elements, the first element being a positive element, means for fixedly supporting and spacing said elements so that the rear focal point of said first element coincides with the first principal point of the second element and means for illuminating the object to be projected by said system with a parallel beam of light.

2,256,229

X-RAY TUBE AND SHIELD

Zed J. Atlee, Elmhurst, and Jack T. Wilson, Evanston, Ill., assignors to General Electric X-Ray Corporation, Chicago, Ill., a corporation of New York

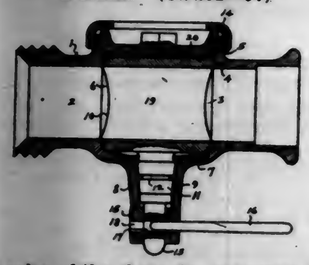
Application February 12, 1940, Serial No. 318,516
6 Claims. (Cl. 250—146)



1. In combination, an X-ray tube having an anode and a cathode, a vitreous envelope enclosing said anode and cathode, the envelope being provided in the vicinity of the anode with a vitreous window part which is highly permeable to X-rays and the presence of which gives rise to excessive local potential gradients at the boundaries of the window, and a shielding structure embracing the said envelope and having a radially extending opening in alignment with the said window part, said shielding structure com-

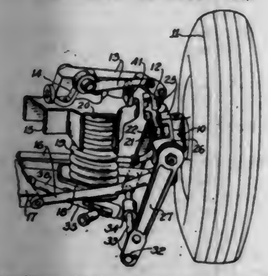
prising an insulating substance which incorporates a sufficient amount of a conductive substance to impart partial conductivity thereto.

2,256,230
SANITARY VALVE
Niles Atterbury, Pittsburgh, Pa.
Application July 25, 1939, Serial No. 286,317
1 Claim. (Cl. 251—97)



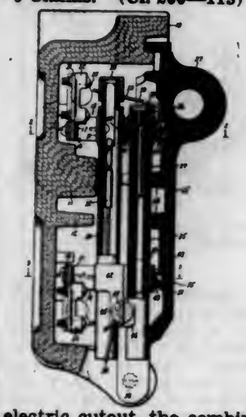
In a valve of the character described, the combination of an elongated horizontally disposed valve body provided with a passage extending throughout the length thereof, said body being formed with a plug barrel extending vertically through said passage intermediate of the ends of the latter, said barrel provided with a dipped bottom having a rounded peripheral edge, said barrel having an open top surrounded with a collar flange, a cylindrical valve plug revolubly mounted in said barrel and having a passage opening commensurate to the transverse area of said passage and being aligned with the latter when in the open position, the lower peripheral edge of said plug being rounded and seated in the rounded peripheral edge of said bottom, detachable means engaged on said collar for closing said open top of said barrel, said bottom formed with a depending seating sleeve having a tapered inner periphery, a tapered seating stem carried by said plug and engaging in said sleeve, said stem carrying a connecting shank projecting beyond the lower end of said sleeve, a hub mounted on the projecting end of said shank, and a tapered cross bar longitudinally adjustable in an aperture provided in said shank and in said hub for forcibly seating said stem in said sleeve.

2,256,231
CAMBER ADJUSTING DEVICE
John H. Bender, Los Angeles, Calif.
Application April 5, 1941, Serial No. 387,101
7 Claims. (Cl. 153—78)



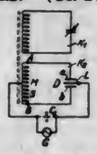
6. A bending device including a jaw member comprising detachably connected, complementary jaw bars of elongated form having clamping faces intermediate their ends, said member presenting polygonal end portions, and levers having means at one end receiving the said end portions of the jaw member in relatively non-rotatable relation.

2,256,232
ELECTRIC CUTOUT WITH LIGHTNING PROTECTION
Ralph S. Bennett, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application January 13, 1939, Serial No. 250,787
9 Claims. (Cl. 200—115)



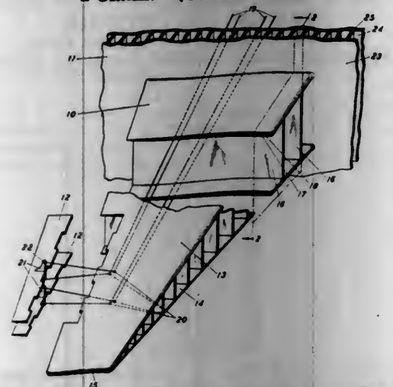
1. In an electric cutout, the combination with an insulating support having a pair of spaced line terminal contacts mounted thereon, and a fuse assembly carried by said support and including a fuse link electrically connected between said contacts; of an expulsion gap interrupter including an expulsion tube having spaced electrodes providing a discharge gap in the tube and having spaced terminals for said electrodes, means supporting said interrupter with its said terminals in electric association respectively with said contacts, and means including said terminals and electrodes operative to provide a lightning impulse discharge path interconnecting said contacts by way of said gap and tube when the circuit between the contacts is open due to rupture of said fuse link.

2,256,233
DIFFERENTIAL CONDENSER CIRCUITS
Hans Berthold, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application June 7, 1939, Serial No. 277,784
In Germany June 16, 1938
2 Claims. (Cl. 178—44)



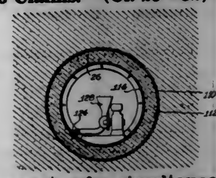
1. An electric circuit arrangement comprising a voltage divider coil and a constant capacity circuit across the ends of said coil comprising a variable condenser comprising a semi-circular plate rotatable about an axis and a pair of stationary plates disposed on opposite sides of said axis and parallel with the plane of said rotatable plate and in capacity relation therewith, the adjacent edges of said stationary plates having a concave falcate shape, and a substantially fixed capacity connected between said rotatable plate and the center of said coil.

2,256,234
AIRPLANE WING AND FUSELAGE
Frank Ellison Best, Indianapolis, Ind.
Application April 11, 1939, Serial No. 267,263
1 Claim. (Cl. 244—117)



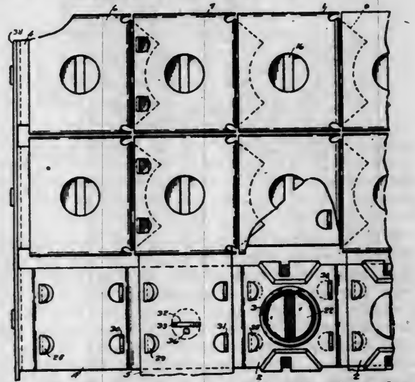
In an airplane having wings and a fuselage, a wing comprising sheets substantially straight lengthwise of said wing, separated at their respective junctures with the fuselage but converging to a common juncture near the outer end of said wing, said sheets being spaced apart at intervals by transverse plates rigidly joined therewith, said sheets being thicker near the fuselage and thinner outward therefrom, said sheets being substantially equidistant apart and slightly curved downwardly from their front edge toward their rear edge as respects their transverse profile, said sheets also having tapering holes substantially lengthwise thereof from small holes at the wing tip end to larger holes at the fuselage end thereof, said holes forming thin reinforcing webs substantially lengthwise of the wing therebetween.

2,256,235
METHOD AND APPARATUS FOR MOLDING CONCRETE PIPE
Charles B. Breedlove, Detroit, Mich.
Application May 26, 1938, Serial No. 210,240
3 Claims. (Cl. 25—32)



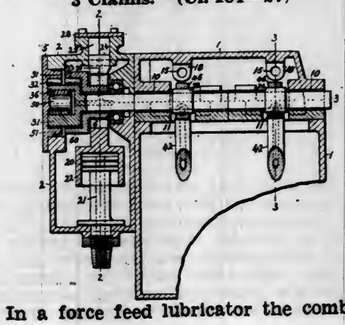
3. In an apparatus for simultaneously forming and laying concrete pipe for tunnel purposes and comprising, a pair of concentrically disposed forms defining an elongated annulus having a cross section similar to that of the pipe to be formed and an axis capable of being arranged substantially coincident with the axis desired for the pipe, a closure member carried by said forms over the head end of said annulus, means providing a source of wet concrete, means carried within the inner form of said pair and providing a source of pressure in active communication with said concrete for bodily moving the latter, and concrete flow inlet means formed in and carried by said inner form and providing from within said inner form an unrestricted communication between said annulus and said moving concrete so that concrete entering said annulus under the influence of said pressure is thereafter conveyed for a predetermined period of form immobility through said annulus toward the end thereof opposite said closure carrying end exclusively responsive to said pressure and thereafter against said closure member to protract said forms relatively to said concrete.

2,256,236
FLEXIBLE SPRING CUSHION
George W. Bristol, New York, N. Y.
Application June 15, 1940, Serial No. 340,820
7 Claims. (Cl. 267—1)



1. A flexible spring cushion of the type having a base, a stud with substantially vertical grooves therein, a cap with projections extending into said grooves, and a spring resiliently urging said cap away from said base and stud, characterized in that the stud is removably held to the base by clips, and by inwardly extending bosses on the caps and studs for locating the ends of the springs, said bosses having transverse slots for receiving straight sections at the ends of the springs for preventing the springs turning.

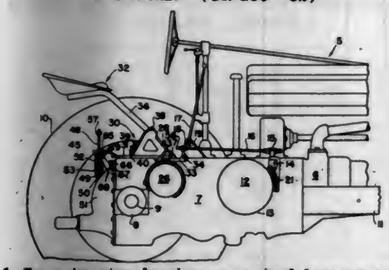
2,256,237
LUBRICATOR
Martin F. Broden, Montreal, Quebec, Canada
Application September 26, 1938, Serial No. 231,738
In Canada September 28, 1937
3 Claims. (Cl. 184—27)



1. In a force feed lubricator the combination

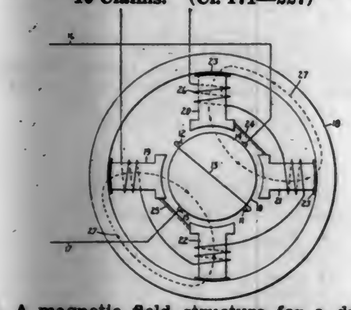
of a drive mechanism comprising a stationary piston, a steam passage therethrough, a reciprocating cylinder having a yoke, a shaft having a one way clutch, a cam journalled on the shaft and having a clutch ring and oscillated by the yoke and adapted to rotate the shaft, a reverse one way clutch mounted on the shaft and having a stationary clutch ring therefor and an oil chamber having one or more plunger pumps actuated by the shaft.

2,256,238
SAFETY CONTROL DEVICE
Theophilus Brown, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application April 18, 1940, Serial No. 330,307
8 Claims. (Cl. 180—82)



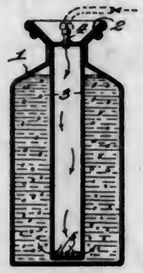
1. In a tractor having a control lever movable between two positions, a safety device for operating said lever comprising an operator's platform movable into engagement with the lever to move the latter into one of said positions, a seat supporting bracket rigidly fixed to the platform and movable therewith, a seat carried on said bracket, and means biasing said platform toward said engagement, said biasing means being overcome by the weight of an operator on said platform.

2,256,239
DYNAMOELECTRIC MACHINE
Bascom H. Caldwell, Jr., Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 25, 1939, Serial No. 301,256
10 Claims. (Cl. 171—227)



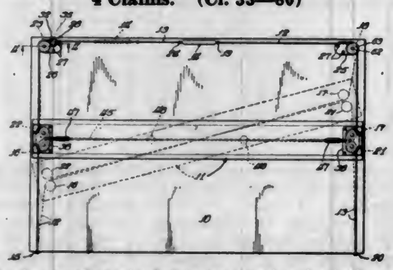
1. A magnetic field structure for a dynamoelectric machine having a rotatable member with a winding and a commutator connected thereto with sets of primary commutator brushes and secondary commutator brushes electrically displaced from each other about the commutator for providing a primary circuit and a secondary circuit through the rotatable member winding, which includes a plurality of pole pieces each arranged to carry a primary and a secondary component of magnetic excitation to form primary poles of certain pairs of adjacent pole pieces, adjacent pole pieces of different primary poles being arranged to form pairs of pole pieces providing secondary poles, and means for substantially shunting therethrough residual magnetic excitation along said primary poles.

2,256,240
MILK CAN OR CONTAINER
Ezra Jay Clemons, Los Angeles, Calif.
Application January 8, 1940, Serial No. 312,802
1 Claim. (Cl. 31—2)



A milk can having a restricted neck and a combined cover and cylinder, said cylinder extending from the cover, through the neck and substantially to the bottom of the can, said cylinder and restricted neck fitting to provide a fluid escape passage, said cylinder having a valved top, a closed bottom from contact with the bottom of the can and apertures in its side wall substantially at the bottom thereof, said valved top and apertures comprising a conduit for the introduction of a treating fluid, to milk within the can, at least a portion of said treating fluid being permitted to pass through said escape passage, and said cylinder having sufficient volumetric capacity to retain therein, when the valve is closed after the initial treatment of the milk in the can, a sufficient quantity of treating fluid to supplement that which may escape from the treated milk and can during a normal period of storage or shipment.

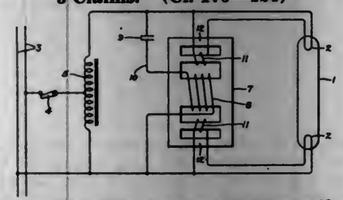
2,256,241
PARALLEL STRAIGHTEDGE DEVICE
Harold L. De Lisle, Sheboygan, Wis.
Application July 27, 1939, Serial No. 286,743
4 Claims. (Cl. 33—80)



4. A parallel straightedge device including an elongated relatively thin body portion having on its lower face a single relatively narrow longitudinal groove, a pulley housing carried by the straightedge at each end thereof, each housing

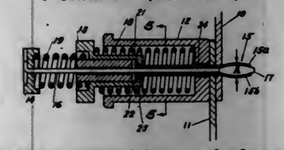
carrying a pair of pulleys each for one of the runs of a cable associated with said straightedge and relatively movable with respect thereto around said pulleys, said pulleys being side by side in a common plane relatively close to and parallel with said body portion, apertures at the inner edges of the housings for the cable runs, a single slot near each end of the body portion for the cable runs jointly to pass from a housing into said groove, and a keeper insert pressed into the lower face of said body portion flush therewith bridging said groove to retain the cable therein.

2,256,242
GASEOUS ELECTRIC DISCHARGE APPARATUS
Martin A. Edwards and Harold W. Lord, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application November 16, 1939, Serial No. 304,749
3 Claims. (Cl. 176—124)



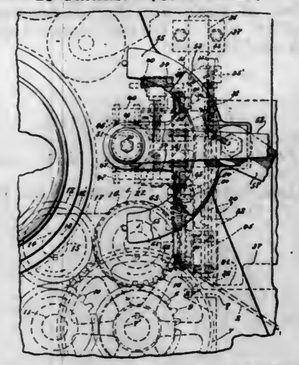
1. In combination, a source of alternating current supply, a gaseous electric discharge device connected to be supplied therefrom, said device having electrodes arranged to be supplied with heating current, and means for controlling said heating current comprising a circuit connected in parallel with said device and including a capacitor and inductive reactance means constructed to saturate and to become resonant with said capacitor at the starting voltage of the device and to desaturate and to become non-resonant with said capacitor at the arc drop voltage thereof.

2,256,243
FASTENING DEVICE
Russell W. Edwards, Los Angeles, Calif.
Application May 2, 1941, Serial No. 391,559
9 Claims. (Cl. 85—5)



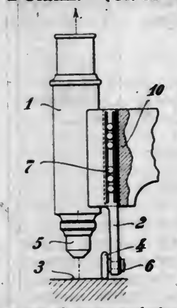
1. A fastener comprising: a body, an expansible elongated pin co-axial with said body and projectable axially therefrom, a spring connected to one end of said pin and functionally interposed between said pin and said body and operative to retract said pin longitudinally, a second spring in series with said first spring, a rod connected to said second spring at a point remote from said first spring, said rod extending axially through said pin and having an enlargement at its free end portion, said enlargment being operative to engage the free end portion of said pin and effect expansion thereof, said enlargement normally engaging said pin to effect diametrical expansion thereof but movable axially to permit diametrical contraction of said pin in response to compression of said second-mentioned spring.

2,256,244
PRINTER SLOTTER, COMBINED PULL ROLL, AND GATE CONTROL
Thomas S. Fitchett, Glen Arm, Md., assignor to F. X. Hooper Company, Glen Arm, Md., a corporation of Maryland
Application January 14, 1941, Serial No. 374,338
15 Claims. (Cl. 271—10)



1. In a machine of the type described having a feed table, gates, co-operating upper and lower pull rolls and a reciprocating feed, a carriage above the table and having the gates secured thereto, the gates having means for adjustment relatively to the carriage toward and from the table means for adjusting the carriage toward and from the table to give a corresponding adjustment of the gates, moving carriers for the top roll bearings and means connecting the carriers to the carriage whereby the adjustment of the gates by moving said carriage gives a corresponding and similar adjustment of the top roll providing for gripping and advancing by the rolls of the blanks of the thicknesses to which the gates are adjusted.

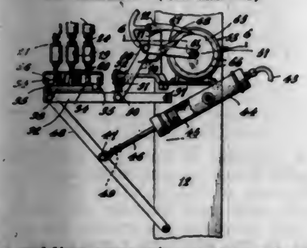
2,256,245
MICROSCOPE
Hans Fricke, Wetzlar, Germany, assignor to Ernst Leitz, G. m. b. H., Wetzlar, Germany
Application February 1, 1939, Serial No. 253,963
In Germany March 24, 1938
1 Claim. (Cl. 88—39)



In a microscope for examining an object which is moved laterally under the microscope objective during the examination while the microscope is held laterally immovable relative to the object, said microscope comprising a supporting arm, a microscope tube with objective thereon, means for supporting said tube and objective upon said arm in vertically movable relation

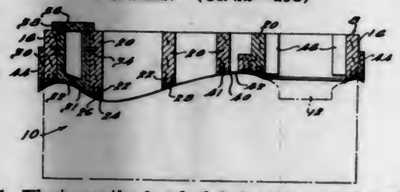
thereto, a member connected to said tube and movable therewith, said member extending below said objective for continuously contacting and resting upon the surface of the object to be examined to automatically raise and lower said tube and objective in response to surface irregularities in the object whereby to maintain said objective in predetermined focused relation to said surface at any point thereof passing under the objective and a surface contacting roller carried by said member.

2,256,246
WELDING APPARATUS
John F. Geibel, Buffalo, N. Y., assignor to Master Metal Products, Inc., Buffalo, N. Y., a corporation of New York
Application October 6, 1939, Serial No. 298,288
14 Claims. (Cl. 219—4)



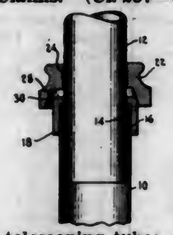
1. In a welding apparatus, a frame having relatively movable electrode-supporting members mounted thereon between which the work to be welded is adapted to be placed, a plurality of fixed electrodes applied to one of said members, a plurality of companion individually displaceable electrodes applied to the other member, normally-open, circuit-closing contacts operatively associated with said displaceable electrodes, and means operatively connected to the respective contacts of said displaceable electrodes for bringing them into circuit-closing relation in predetermined sequence to successively render the companion sets of electrodes operative.

2,256,247
DIE FIXTURE
Harvey G. Groehn, Trenton, Mich.
Application August 23, 1940, Serial No. 353,872
7 Claims. (Cl. 22—193)



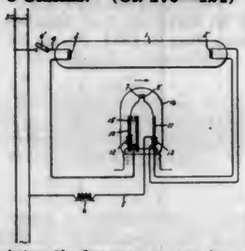
1. That method of fabricating a checking fixture conforming to the shape of a master model which comprises building up a framework of side and cross members generally conforming to the shape of the master model, applying alloy retaining means to a surface of the framework, masking off the space between said members and the master model, introducing molten Wood's metal alloy between said members and the master model to form a checking surface, removing the framework and alloy checking surface from the master model when the alloy solidifies, introducing removable plugs having surfaces generally conforming to the shape of the master model in the spaces between said members, applying alloy retaining means to a surface of said plugs, introducing molten Wood's metal alloy between said plugs and master model to form a checking surface, and removing the checking fixture from the master model when the alloy solidifies.

2,256,248
LOCK FOR TELESCOPIC STEMS
Christen Hansen, Decatur, Ill., assignor to Faries Manufacturing Company, Decatur, Ill., a corporation of Illinois
Application June 27, 1940, Serial No. 342,739
2 Claims. (Cl. 287—58)



1. A pair of telescoping tubes, a collar loosely mounted on the inner tube and concentric therewith, an annular recess in said collar, the walls of which taper inwardly, the tapered walls of said recess being eccentric to the opening through said collar, a threaded bushing on upper end of the outer tube, adapted to abut the wall of said recess, and thereby cocked to lock said inner tube from sliding into said outer tube, and means on said collar for convenient manual manipulation.

2,256,249
ELECTRIC DISCHARGE APPARATUS
Norman L. Harris and Robert H. Kirkness, Wembley, England, assignors to General Electric Company, a corporation of New York
Application January 30, 1940, Serial No. 316,324
In Great Britain February 14, 1939
3 Claims. (Cl. 176—124)



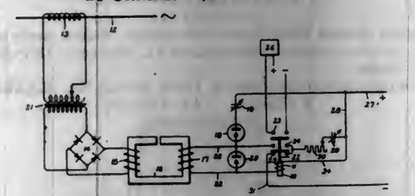
1. In electric discharge apparatus comprising an electric discharge device connected to be operated from a source of alternating current supply and provided with thermionic electrodes, a resistance heater in said connection, a switch connected between said electrodes for controlling the flow of initial heating current therethrough, a resistance heater in series with said switch between said electrodes, a separate heat responsive device associated with each of said heaters for moving each contact of said switch in the same direction in response to heat and means for limiting the movement of that switch contact which is controlled by said last mentioned heater whereby the switch opens.

2,256,250
PORTABLE BRAKE ANALYZER
Emory F. Hartlove, Baltimore, Md.
Application April 23, 1940, Serial No. 331,255
1 Claim. (Cl. 254—100)



A brake analyzer including an elongated casing formed with a bore of uniform diameter open through both ends thereof, a gauge tube slidable in the bore at one end of the casing and limited in movement in both directions, a spring guide rod movable in the casing and formed with an enlargement at one end approximating the diameter of the bore of the casing and bearing against one end of the gauge tube, a plug closing the open end of the casing remote from the gauge tube, a coil spring interposed between the plug and the enlargement on the rod to resist inward movement of the gauge tube, said spring encircling the rod to guide and prevent jamming thereof, a threaded rod freely movable in the end of the gauge tube remote from the plug, a nut on the threaded rod bearing on the gauge tube whereby the gauge tube and rod may be relatively moved, and a stirrup on one end of the threaded rod to engage the brake pedal.

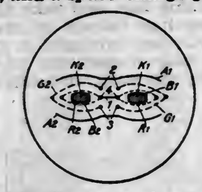
2,256,251
DEVICE RESPONSIVE TO SUDDEN CHANGES IN ELECTRIC CIRCUITS
Claude D. Hayward, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York
Application June 2, 1939, Serial No. 277,013
16 Claims. (Cl. 175—294)



1. A device responsive to sudden changes in an alternating current comprising means for rectifying said current, a transformer comprising two windings one of which is connected to be energized by said rectified current, electromagnetic means comprising a movable member and an actuating coil connected to be energized from the other of said transformer windings operative when the current in said other winding is above a predetermined value to move said member from one position to another and means for permitting current flow in said coil in only one direction.

2,256,252
ELECTRON TUBE
Felix Herriger, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application July 29, 1939, Serial No. 287,199
In Germany August 4, 1938
1 Claim. (Cl. 179—171)

An electron tube comprising two electrode systems adapted for push-pull operation, said electrode systems being arranged to be self-neutralizing systems and comprising two cathodes and two anodes, one of said electrode systems including one of said anodes and one of said cathodes, and a space-charge grid surround-

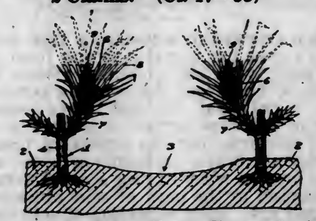


ing each of said cathodes, and connecting means for interconnecting said space-charge grids.

2,256,253
PRODUCTION OF PROTEIN-CONTAINING UREA-FORMALDEHYDE PLASTICS
Oscar Neuss, Berlin-Charlottenburg, Germany
No Drawing. Application April 6, 1938, Serial No. 200,422. In Germany August 11, 1933
10 Claims. (Cl. 260—6)

1. Process for the manufacture of plastic masses from a urea and formaldehyde and containing protein material, comprising causing a urea and a molecular excess of formaldehyde to react upon each other without external heating in an aqueous ammoniacal solution which is weakly alkaline toward litmus, acidifying the reaction mixture until it is weakly acid toward litmus, mixing the same with a protein material, and thereafter drying the reaction mixture.

2,256,254
METHOD FOR THE CULTURE OF PINEAPPLE PLANTS BEARING A RATOON CROP
Walter A. Wendt, Wahiawa, Territory of Hawaii, assignor to Hawaiian Pineapple Company, Limited, Honolulu, Territory of Hawaii, a corporation of the Territory of Hawaii
Application December 13, 1939, Serial No. 309,020
2 Claims. (Cl. 47—58)

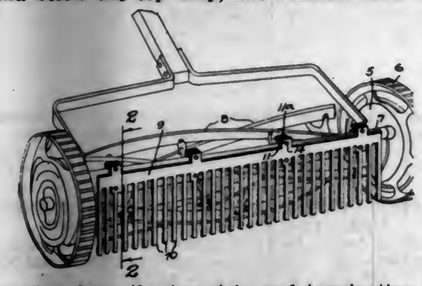


1. In a method for the culture of pineapple plants bearing a ratoon crop, the step which comprises trimming off at least so much of the leaves of fruit-bearing suckers of the plants as projects substantially beyond the crowns of the fruit growing on said suckers shortly prior to that stage in the development of the fruit when the suckers careen to the ground under the weight of the fruit, whereby to reduce the leaf entanglement of careening suckers of adjacent plants without impairing the normal development of the fruit.

2,256,255
LAWN MOWER ATTACHMENT
Lawrence E. Bangert, Richmond Hill, N. Y.
Application October 27, 1939. Serial No. 301,664
2 Claims. (Cl. 56—294)

1. In a rake for a lawn mower, wherein the lawn mower has a connecting bar between the gear housings thereof and wherein rotary cutting

blades and a cutter bar are positioned rearwardly of the connecting bar, a rake attached solely to the connecting bar, said rake including a top strip, clamping lugs formed on the top strip at spaced intervals and arranged in pairs with the lugs of each pair respectively projecting above and below the top strip, flat resilient tines de-



pending from the top strip and terminating at their lower ends substantially at the ground line, said top strip adapted to be alined and engaged with the forward side of the connecting bar, and anchor straps engageable with the rear side of the connecting bar and secured to the clamping lugs to hold the rake on the connecting bar of the lawn mower.

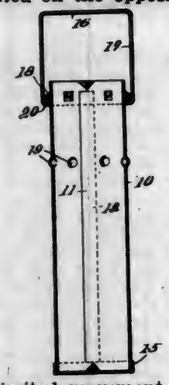
2,256,256
RIBBON ACTUATING MECHANISM
Walter Dieck, Erfurt-Hochheim, Germany
Application January 7, 1941, Serial No. 373,510
In Germany December 28, 1939
5 Claims. (Cl. 197—159)



1. In a typewriter, a platen, a type action including a type bar movable to and from printing engagement with the platen, a ribbon vibrator movable to and from the printing point on the platen, a universal bar operatively engaged by a part of the type action, a projection carried by said universal bar, an actuating linkage for said ribbon vibrator including a lever, a finger carried by said lever having a cam surface portion disposed in the path of said projection and so shaped that, upon actuation of said universal bar by said type action, said projection moves over a portion of said cam surface and actuates said lever to move said ribbon vibrator to the printing point before the type bar reaches the platen and then moves over a succeeding portion of said cam surface to maintain said ribbon vibrator at the printing point during final movement of the type bar into printing engagement with the platen.

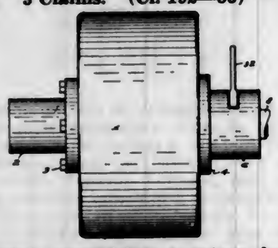
2,256,257
CONTAINER
Morton McI. Dukehart, Jr., New Rochelle, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application July 26, 1939, Serial No. 286,687
8 Claims. (Cl. 220—75)

4. A container comprising a body portion having the body wall thereof joined by a solderless lap seam extending substantially the entire length thereof but terminating short of the ends of the body portion and with the portions of the body wall between the ends of the lap seam and the ends of the body portion shaped to provide abutting edges whereby to prevent collapsing of the body wall, a friction closure at one end of the body wall for preventing expanding thereof, a slip cover mounted on the opposite end of the



body wall for limited movement longitudinally thereof and also serving to prevent expanding of the body wall, said body wall having outward projections cooperating with said slip cover for maintaining the same in a closed position, and means providing an opening through which the contents of the container may be removed depending upon the position of the slip cover with respect to the body portion.

2,256,258
CLUTCH
John Jacob Flickinger, Massillon, Ohio, assignor of one-tenth to Raymond O. Morgan, Orrville, Ohio
Application October 4, 1940, Serial No. 359,809
3 Claims. (Cl. 192—85)



1. A clutch comprising a rotary housing, a shaft extending rotatably into said housing, a disc fixed on said shaft in the housing, annular casings of substantially channel shaped cross section fixed in the housing on the opposite sides of the disc, segmental shoes operable in said casings and engageable with the disc for connecting the shaft to the housing for rotation therewith, and a comparatively heavy fluid in the housing engageable by centrifugal force with the shoes for engaging said shoes with the disc.

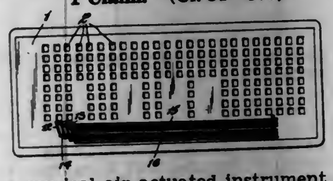
2,256,259
POULTRY ROOST
Harry Forsyth, Prosser, Wash.
Application December 9, 1940, Serial No. 369,309
2 Claims. (Cl. 119—25)

1. In a poultry roost, an insecticide bar formed from an arched metal shell having the lower longitudinal edge portions turned inwardly and upwardly to provide insecticide troughs, said shell being provided with perforations to permit



the insecticide or fumes therefrom to permeate the space above the insecticide bar, and flanged caps closing the ends of the insecticide bar and retaining the insecticide in the troughs.

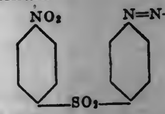
2,256,260
ACCORDION
Valentino Galanti, Mondaino, Forli, Italy
Application April 17, 1939, Serial No. 268,372
In Italy June 4, 1938
1 Claim. (Cl. 84—376)



In a musical air actuated instrument, at least two groups of substantially parallel spaced tension rods, spaced projections carried by said rods, supporting means for said rods permitting sliding axial movement thereof, a rocker arm pivotally connecting each rod of one group with a rod of another group, a shaft for each of said rocker arms disposed between the groups of rods, said shafts being rotated by each rocker arm, a base plate having apertures therein for the passage of air to vibrating tongues, movable control strips associated with said apertures, means for transmitting the rotating motion of said shafts to said strips, manually operable keys, and an operating element moved by said keys and arranged transversely of said rods for engaging said projections and moving said rods.

2,256,261
PROCESS FOR PREPARING AZO COMPOUNDS
André Girard, Paris, France, assignor to Les Laboratories Francais de Chimiotherapie, Paris, France, a French company
No Drawing. Application July 7, 1939, Serial No. 283,303. In Germany July 12, 1937
11 Claims. (Cl. 260—198)

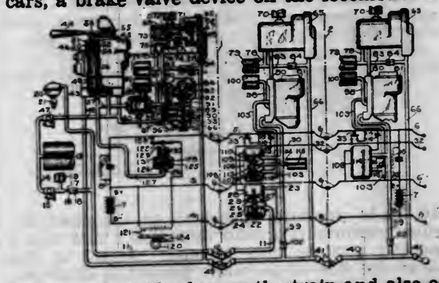
1. As a new chemical compound, a substance having the formula



in which R is a radical of a coupling component containing a water solubilizing group.

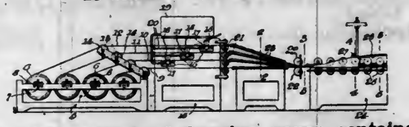
2,256,262
TRAIN SANDING CONTROL DEVICE
John N. Good, Wilmerding, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application July 29, 1939, Serial No. 287,257
4 Claims. (Cl. 291—15)

1. A sanding system for a train of railway vehicles including a locomotive and a plurality of cars, and having a train wire extending throughout the train said sanding system comprising, sanding means on each of a selected number of said cars connected to said train wire and responsive to electric current therein to effect sanding of the rails beneath the selected cars, a brake valve device on the locomotive for



controlling the brakes on the train and also operative to supply fluid under pressure to effect sanding of the rails under the locomotive, a source of electric current, and switch means operative by the fluid under pressure supplied to effect sanding of the rails under the locomotive to connect said train wire to said source of electric current for effecting operation of said sanding means on the cars of the train.

2,256,263
METHOD OF AND APPARATUS FOR FORMING PAPER CONTAINER BODIES
John Haycock, Larchmont, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application October 10, 1940, Serial No. 360,653
15 Claims. (Cl. 93—82)

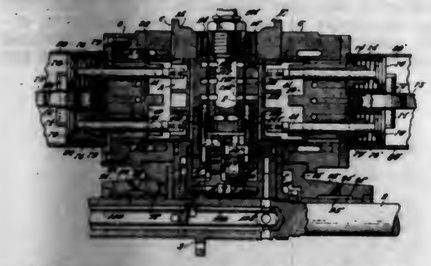


1. The method of forming paper container bodies which consists of continuously feeding a plurality of webs of paper in superposed relation and with the edges thereof laterally and progressively staggered, applying liquid adhesive to the surfaces of the webs intended to mutually adhere, pressing the webs together to form a continuous multi-ply web having oppositely staggered edges while continuously feeding said multi-ply web, progressively shaping the travelling multi-ply web into tubular form while the adhesive between the plies is wet and bringing the oppositely staggered edges into abutting relation to form a continuous tube of uniform thickness throughout its length and circumference, means for holding said webs pressed tightly together and applying heat causing the adhesive to set.

2,256,264
ROTARY FLUID PRESSURE APPARATUS
Kenneth H. MacKay, Ocala, Fla.
Application July 22, 1938, Serial No. 220,689
26 Claims. (Cl. 123—14)

14. An abutment for apparatus of the class described, comprising parallel planar end walls and a connecting wall therebetween, an inclined wall disposed at an angle to said connecting wall, the end walls having triangular extensions con-

nected to the ends of the inclined wall, the end walls having reinforcing flanges at their edges opposite the connecting wall, said flanges being parallel to the connecting wall.



16. Fluid pressure apparatus of the class described comprising a rotor including a disk and a generally arcuate vane member carried by the disk at one side of the plane thereof, a stator cooperating with the rotor in defining a generally annular chamber in which the vane rotates, said stator providing an abutment guide, an abutment movable in a generally radial direction to cooperate with the vane in providing a pocket of varying size in a portion of said chamber, and inlet and outlet ports for communicating with said chamber, said guide being arranged so that said abutment follows a substantially radial path, said abutment and said vane having cooperating beveled surfaces each inclined relative to radial planes intersecting such surfaces, said beveled surfaces being inclined for generally parallel juxta-position.

2,256,265

HAND OPERATED LINKING CONNECTOR

Earle L. Morrow, Johnston, R. I., assignor to Frank Morrow Co., Inc., a corporation of Rhode Island

Application December 2, 1940, Serial No. 368,185

8 Claims. (Cl. 59—1)



1. In a hand operated connector, a frame having a plunger slot, a plunger slidably mounted therein, a fixed anvil positioned in said slot, means for successively feeding open links each having a bridge and two open arms to said slot in position to be engaged by said plunger, manually operated means for moving said plunger to move an open link and contact the bridge thereof with said anvil, means for positioning said open link to receive articles to be connected, and means for continuing movement of said plunger to close said link.

2,256,266

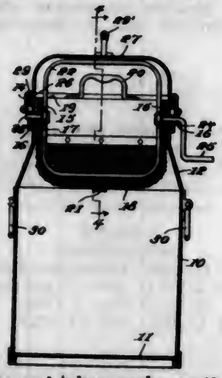
ASH CAN AND SIEVE

Sarah McV. Moye, Jeannette, Pa.

Application June 21, 1940, Serial No. 341,767

5 Claims. (Cl. 209—249)

1. An article of the kind described comprising a receptacle having an open mouth at its upper end provided with opposed notches, a sieve having a rim provided with opposed bearings, the latter being releasably accommodated in said notches, an agitator operating within the sieve and journaled in said bearings, means for imparting motion to said agitator, and a cover for



the said sieve and telescoped over the mouth end of said receptacle.

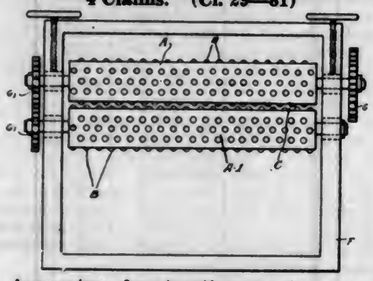
2,256,267

ENAMEL REMOVING MEANS

Claude C. Rhodes, Oak Park, Ill.

Application June 8, 1939, Serial No. 278,170

4 Claims. (Cl. 29—81)



1. Apparatus for treating waste enamelled articles comprising a pair of rollers, a frame on which said rollers are mounted in spaced relation, means operable to rotate said rollers in opposite directions, said rollers each having a plurality of uniformly spaced projecting substantially hemi-spherical elements or knobs, the arrangement and spacing of said elements being such that as revolution of said rollers successively brings each element into close proximity with the opposite roller it is thereby positioned between and closely and substantially equally spaced from and is loosely intermeshed with the elements provided by said opposite roller.

2,256,268

LIQUID FEEDING APPARATUS

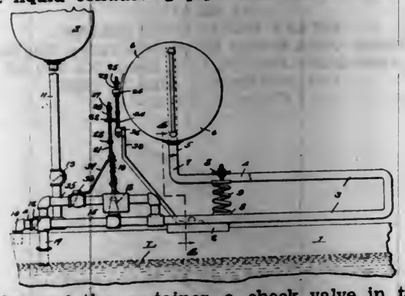
Lewis Clifton Roof, Venice, Calif.

Application August 8, 1940, Serial No. 351,810

4 Claims. (Cl. 122—456)

3. The combination with a boiler and a storage tank, of a container, a steam pipe extending from the storage tank and downwardly into the boiler, separate exhaust and pressure valves in said pipe, a connecting pipe leading from the upper portion of the container to the steam pipe between the valves, the exhaust valve being positioned between said connecting pipe and the tank, a liquid-conducting pipe connecting the bottom of the container to the top of the boiler,

said connecting pipe and liquid conducting pipe constituting resilient supports for the container, a supplemental resilient support for the container, a check valve in the liquid-conducting pipe positioned to prevent return flow from the boiler, a supply pipe connecting the storage tank to the liquid conducting pipe between said check



valve and the container, a check valve in the supply pipe for preventing return flow to the storage tank, and means operated by the movement of the container in one direction for closing the exhaust valve and opening the pressure valve and, by movement in the opposite direction, to open the exhaust valve and close the pressure valve.

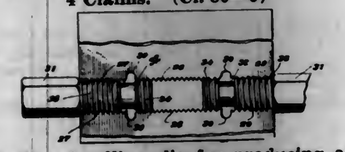
2,256,269

THREAD ROLLING DIE

Albert Stoll, Detroit, Mich., assignor to Clare L. Brackett, Detroit, Mich.

Original applications December 4, 1936, Serial No. 114,259, and January 27, 1937, Serial No. 122,629. Divided and this application August 3, 1937, Serial No. 157,195

4 Claims. (Cl. 80—9)



1. A thread rolling die for producing axially offset threads on spaced portions of a blank, comprising a one-piece die member having a plurality of thread forming face portions in spaced relation, each said face portion having thread forming serrations of equal pitch and form offset with respect to the thread forming serrations of the next adjacent face portion.

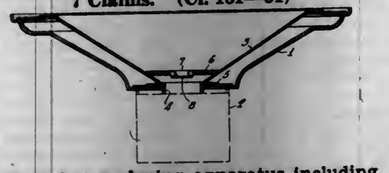
2,256,270

LOUD-SPEAKER

Maurice E. Swift, Detroit, Mich., assignor to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware

Application January 29, 1940, Serial No. 316,268

7 Claims. (Cl. 181—31)



1. Sound reproducing apparatus including, in combination, a diaphragm, means for resiliently mounting said diaphragm, means for vibrating said diaphragm, a flexible annular member secured at its outer peripheral edge to said diaphragm, and a mass supported on the inner edge of said member.

2,256,271

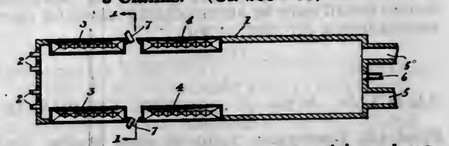
REVERBERATORY FURNACE

John Howard Ambrose, Flin Flon, Manitoba, Canada, assignor to Hudson Bay Mining & Smelting Co. Limited, Flin Flon, Manitoba, Canada

Application February 20, 1940, Serial No. 319,986

In Canada February 20, 1939

3 Claims. (Cl. 266—33)



1. A reverberatory furnace comprising charging means for introducing metal bearing material and flux longitudinally of the furnace at the sides thereof, means at one end of the furnace for separately removing matte and slag and heating means for the furnace, said heating means including burners at the other end of the furnace adapted to throw flame so that it does not impinge directly on the charge and additional burners disposed longitudinally of the furnace and adapted to throw flame so that it does not impinge directly on the charge, said additional burners extending the smelting zone of the furnace and increasing the capacity thereof.

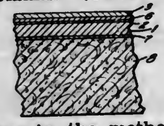
2,256,272

METHOD OF MAKING COMPOSITE PANEL ELEMENTS

Clements Batcheller, Glens Falls, N. Y., assignor to Allegheny Ludlum Steel Corporation, Pittsburgh, Pa., a corporation of Pennsylvania

Application November 28, 1938, Serial No. 242,676

2 Claims. (Cl. 29—188)



1. Those steps in the method of forming a composite sheet product adapted for use as a table top and the like and comprising a preformed facing element of comparatively light gauge, corrosion-resistant, sheet metal, a core element comprising a comparatively heavy gauge, carbon steel sheet and a backing element of a hard, molded sheet product, which comprise bonding together said facing and core element by means of solder and thereafter compositing said bonded elements to said molded sheet product with said carbon steel sheet as a core element by means of a thermoplastic resin and the application of heat and pressure.

2,256,273

SNOWPLOW

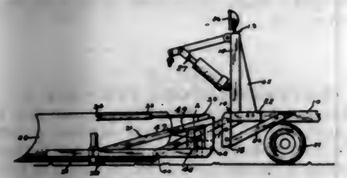
James Atcheson Begley, Maniwaki, Quebec, Canada

Application August 13, 1940, Serial No. 352,439

6 Claims. (Cl. 37—42)

1. An improvement in snow plows, comprising in combination with a supplemental supporting frame and snow plow mould board, a carriage frame to which the mould board is attached,

thrust bars resiliently mounted on the carriage frame adapted to be pivotally secured to the



supplementary supporting frame so that the mould board may be automatically elevated upon encountering an obstruction.

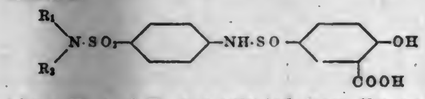
2,256,274

SALICYLIC ACID SULPHONYL SULPHANILAMIDES

Friedrich Boedecker, Dahlem, near Berlin, and Albrecht Heymons, Mariendorf, near Berlin, Germany, assignors to the firm J. D. Riedel-E. de Haen A. G., Britz, near Berlin, Germany

No Drawing. Application June 19, 1939, Serial No. 279,996. In Germany June 30, 1938
4 Claims. (Cl. 260—397.7)

1. As a product of manufacture, new salicylic acid sulphonyl sulphanilamides having the formula:



where R_1 and R_2 are selected from the group consisting of H and lower alkyl radicals.

2,256,275

ENAMELING FURNACE

Albert J. Boland, St. Louis, Mo.

Application November 18, 1939, Serial No. 305,178
3 Claims. (Cl. 25—142)



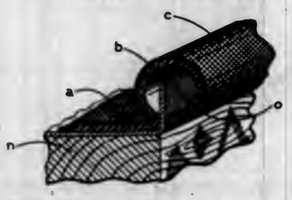
1. In a furnace, a preheating chamber having a flue extending longitudinally beneath the same but shut off from open communication therewith by the floor of said chamber, a burning chamber and a cooling chamber, said chambers being arranged in alignment in open communication with each other, means for conveying the ware through said chambers in succession, a plurality of transverse passageways underlying substantially the entire hearth of said burning chamber, and fuel burners arranged alternately on opposite sides beneath said chamber to direct burning fuel through said passageways and heat said hearth substantially uniformly, said passageways having a roof construction of wide span to afford ample combustion space and being closely spaced in parallel relation to heat the maximum hearth area, a narrow horizontally extending flue on each side of said burning chamber and shut off therefrom by the imperforate side walls of said chamber, a vertically extending flue from the exit end of each of said passageways to the horizontal flue on the corresponding side of said chamber, an additional flue on each side of the furnace extending downwardly from said horizontally extending flues to said longitudinally extending flue beneath said preheating chamber, and means for withdrawing the products of combustion from said longitudinally extending flue.

2,256,276

DRAFT EXCLUDING MEANS

Thomas John Robert Bright, Coventry, England

Application June 22, 1939, Serial No. 280,649
In Great Britain June 25, 1938
2 Claims. (Cl. 20—69)



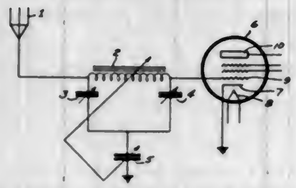
1. Draft excluding means comprising a base of substantially rigid material presenting a flat surface having a straight edge, a tube of resilient material formed with a longitudinal slot therein and secured to said base along one edge of said slot, the flat surface of said base lying in a substantially tangential plane relative to said tube and said tube extending parallel to said straight edge with its longitudinal slot in registry therewith, in combination with a substantially rigid supporting flange firmly secured to said base along said straight edge and extending for the entire length thereof at an angle to said flat surface, said flange projecting radially through said slot into the interior of said tube.

2,256,277

SELECTOR AND IMAGE REJECTOR CIRCUIT

Fulton Cutting and Verlis Wiley, Buffalo, N. Y., assignors to Colonial Radio Corporation, Buffalo, N. Y.

Application August 3, 1940, Serial No. 350,667
10 Claims. (Cl. 250—20)



1. An image rejector and signal selector circuit formed of a single tuned circuit only comprising the combination with a vacuum tube amplifier having a cathode and control grid, of an inductance, a pair of condensers connected in series with each other and with said inductance, and a third condenser having one terminal connected to the common point of said first two condensers, an antenna connected to said tuned circuit at one point only, at one end of said inductance and connections to the input circuit of said tube from the other end of said inductance, and from the other terminal of the third condenser, said circuit being turnable to desired signal frequency, and the values of said condensers in the input circuit of said tube being so related that the voltages across them are substantially equal and opposite for at least one value of image frequency.

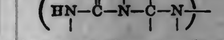
2,256,278

PLASTICIZED AMINOPLAST

Gaetano F. D'Alelio, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

No Drawing. Application December 24, 1940, Serial No. 371,584
14 Claims. (Cl. 260—33)

1. A composition of matter comprising an aminoplast modified with a nitrogenous compound selected from the class consisting of (1) aryl compounds having attached to the aryl nucleus at least one amido radical and at least one radical containing the essential unit



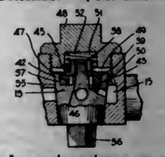
and (2) aldehyde reaction products of the aryl compounds of (1).

2,256,279

RETAINING VALVE DEVICE

Clyde C. Farmer, Pittsburgh, and Ellis E. Hewitt, Edgewood, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application December 19, 1939, Serial No. 309,998
6 Claims. (Cl. 183—39)



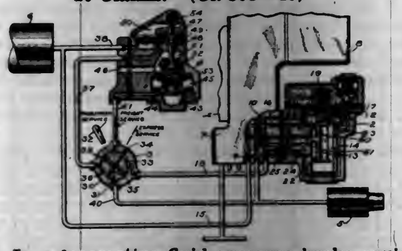
1. A plug valve structure comprising a plug valve having at one end a central extension and a chamber formed in said valve which encircles said extension, said plug valve also having an inlet fluid conducting communication leading to said chamber and an outlet fluid conducting communication leading from the chamber, a fluid straining medium disposed in said chamber adapted to remove foreign matter from an air stream which may flow therethrough, and means adapted to be secured to said extension for securing said straining medium to the valve.

2,256,280

LOCOMOTIVE BRAKE CONTROL

Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application May 18, 1940, Serial No. 335,960
10 Claims. (Cl. 303—40)



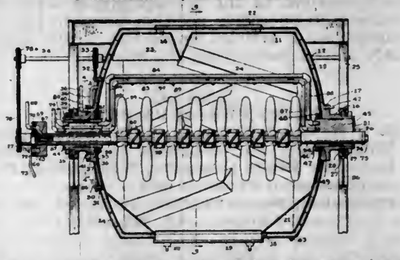
1. In a locomotive fluid pressure brake equipment, in combination, brake applying means operable to effect an application of brakes, delay valves means for controlling the rate at which the application of brakes is effected by said brake applying means and conditionable to provide either one rate of brake application or a different rate of brake application, selector means having three positions and being movable to either one of two positions to condition said delay valve means to provide said one rate of brake application or to a third position to condition said delay valve device to provide said different rate of brake application, and means conditionable by said selector means in one of said two positions to operate automatically a certain time interval after initiation of said one rate of brake application to condition said delay valve means to provide said different rate of brake application.

2,256,281

APPARATUS FOR PREPARING BITUMINOUS CEMENT AGGREGATE COMPOSITIONS

Sam E. Finley, Atlanta, Ga.

Application March 25, 1940, Serial No. 325,888
5 Claims. (Cl. 259—157)



1. Apparatus for preparing bituminous cement-aggregate compositions, comprising a substantially cylindrical drum having internal elevating and cascading blades extending lengthwise of said drum and inclined circumferentially of said drum, said drum being rotatable about a substantially horizontal axis coincident with the axis of said drum, a fixed member fitting in an axial bore at one end of said drum, a shaft mounted in said fixed member for rotation independently of rotation of said drum, agitating blades on said shaft inclined relative to planes therethrough perpendicular to said shaft, the inclination of various of said blades being opposite to that of others of said blades, means for rotating said drum and said shaft, a conduit rigidly carried by said fixed member extending parallel to and above the axis of said drum outside the path of movement of said blades and having downwardly directed outlets, and means for supplying a bituminous cementing medium to said conduit through said fixed member.

2,256,282

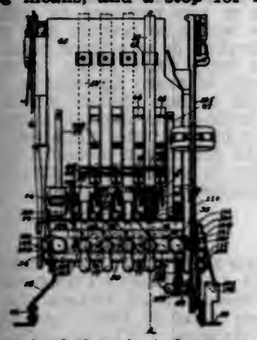
DISPENSING APPARATUS

William A. Harris, Greenville, S. C., assignor, by direct and mesne assignments, to The South Carolina National Bank of Charleston, Greenville, S. C., as trustee

Application September 9, 1938, Serial No. 229,183
10 Claims. (Cl. 312—48)

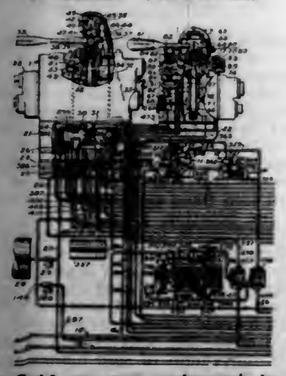
1. A vending machine comprising a frame, a table carried by the frame and provided with an opening through which articles are to be dispensed, a closure for the opening for supporting a column of articles over the opening, means for rocking the closure to discharge articles, a locking means for the closure away from the opening, means for releasing the locking means, means pivotally mounted on the rocking means for the closure and adapted to be moved between

the lowermost pair of articles, a spring for urging the pivoted means across the opening above the rocking means, and a stop for restraining



the movement of the pivoted means when said means is in operative position between the lowermost pair of articles before the closure has entirely moved away from the opening.

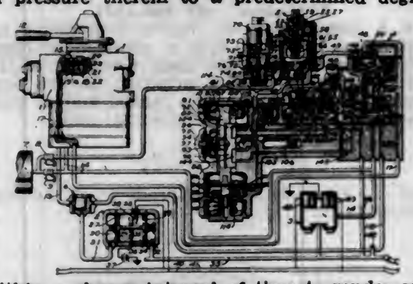
2,256,283
FLUID PRESSURE BRAKE
Ellis E. Hewitt, Edgewood, and Donald L. McNeal, Wilkinsburg, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application March 28, 1940, Serial No. 326,352
37 Claims. (Cl. 303—18)



1. In a fluid pressure equipment, in combination, a straight air pipe adapted to be connected through a train, a brake valve device operative manually to effect a supply of fluid under pressure to said straight air pipe to effect an application of brakes, valve means adapted to operate automatically upon a change in track signals to effect an application of brakes, and means conditionable by the supply of fluid under pressure to said straight air pipe to prevent said operation of said valve means.

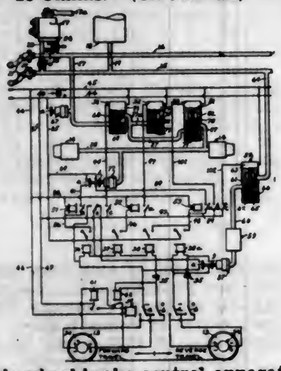
2,256,284
BRAKE CONTROL MEANS
Erik G. Erson, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application April 26, 1940, Serial No. 331,686
29 Claims. (Cl. 303—18)

1. In a fluid pressure brake, in combination, train control means operative automatically upon a change in track signals to effect an application of brakes, a straight air pipe to which fluid under pressure is adapted to be supplied for effecting an application of brakes, an engineer's brake valve device operative to effect a supply of fluid under pressure to said straight air pipe, suppression means subject to the pressure in said straight air pipe and operative upon an increase in pressure therein to a predetermined degree



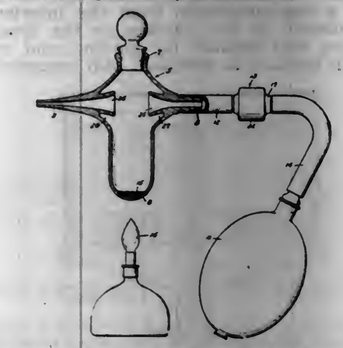
within a chosen interval of time to render said train control means ineffective, said suppression means including means for rendering said train control means effective upon a less increase in straight air pipe pressure in said interval of time, and means set in operation upon initiating a straight air application of brakes for controlling said interval of time.

2,256,285
BRAKE CONTROL MEANS
Claude M. Hines, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application March 28, 1940, Serial No. 326,351
13 Claims. (Cl. 303—21)



1. Vehicle wheel brake control apparatus comprising manually controlled means for effecting application and release of the brakes associated with the wheels of the vehicle, means adapted to supply an electrical effect substantially proportional to the rate of change of rotational speed of a given vehicle wheel, means controlled according to the electrical effect supplied by said means for so controlling the degree of application of the brakes associated with said given wheel, while the manually controlled means is effective to cause application of the brakes, as to regulate the rate of rotative deceleration of said given wheel to a substantially uniform rate, and means operative only in response to an electrical effect in excess of a certain value occurring only when the given vehicle wheel slips for effecting a rapid reduction in the degree of application of the brakes associated with said given wheel to prevent sliding of the given wheel.

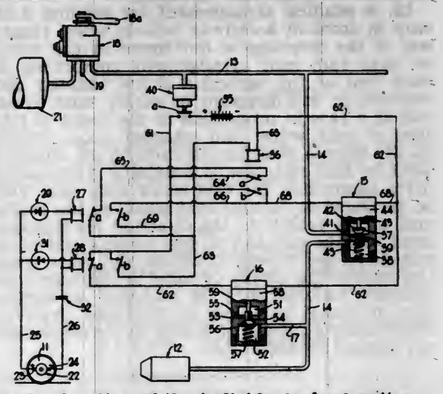
2,256,286
THERAPEUTIC DEVICE
Charles O. Johnston, Venice, Calif.
Application July 19, 1938, Serial No. 220,049
1 Claim. (Cl. 128—192)



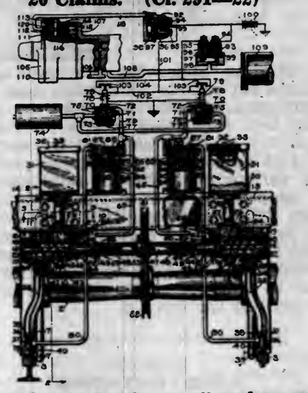
An apparatus for treating diseased or injured parts of the body with vaporized medicament comprising a body portion of inert material having a closed bottom wall and a filling opening in the upper wall normally closed by a detachable cover, the heighth of said body portion being greater than the width between the side walls thereof to provide an elongated column of vapors within said body portion, integrally formed inlet and outlet passages provided in opposite side walls of said body portion, said inlet passage having means exterior to the body portion for connection to a source of fluid under pressure and the walls of said inlet passage extending into said body portion beyond the side wall thereof to provide a trap for the solid contents in said body portion, the walls of said inlet passage being flared in such manner as to increase the cross-sectional area of said passage toward the inlet end thereof and thereby reduce the pressure of fluid admitted to said body portion, and the outlet passage having flared walls extending into said body portion beyond a side wall thereof to provide a trap for the solid contents in said body portion, the inner end of said outlet passage being transversely aligned with the inner end of said inlet passage but spaced transversely therefrom to permit the medicament to pass freely from the filling opening to the bottom of the body portion, said outlet passage being reduced in cross-sectional area from the inner flared end toward the discharge end thereof whereby the pressure of the fluid and vapors ejected will be increased.

2,256,287
BRAKE CONTROL MEANS
Joseph C. McCune, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application April 30, 1940, Serial No. 332,435
6 Claims. (Cl. 303—21)

1. In a vehicle wheel brake control apparatus of the type having manually controlled means for effecting application and release of the brakes associated with all the wheel units on the vehicle, the combination of valve means normally conditioned to permit the control of the degree of the application of the brakes by said manually controlled means and operative during an application of the brakes to effect a rapid reduction in the degree of application of the brakes associated with an individual wheel unit and subsequently an increase in the degree of application thereof, means operatively responsive according to the rate of rotative deceleration of the said individual wheel unit, means operatively responsive according to the rate of rotative acceleration of the individual wheel unit, said deceleration responsive means and said acceleration responsive means being effective to so control said valve means as to cause the valve means to initiate a rapid reduction in the degree of application of the brakes when the rate of rotative deceleration of the individual wheel unit exceeds a certain rate occurring only when the wheel unit slips, to terminate the reduction in the degree of application of the brakes when the rate of rotative deceleration of the individual wheel unit reduces below a second certain rate lower than the first said certain rate, and to initiate an increase in the degree of application of the brakes only after the rate of acceleration of the slipping wheel unit reduces below a certain rate.



2,256,288
RAIL SANDING APPARATUS
Joseph C. McCune, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application September 29, 1939, Serial No. 297,118
20 Claims. (Cl. 291—22)



1. A sanding device for a rail under a wheel of a railway vehicle comprising a casing having a bore, an inlet opening open to said bore adjacent one end thereof for supplying sand to said bore and an outlet opening through the side wall of said bore adjacent the opposite end of the bore

through which sand is adapted to be discharged from said bore for sanding said rail, a screw disposed to turn in said bore for conveying sand from said inlet opening to said outlet opening, means for turning said screw, said screw comprising a helically formed conveyor portion of substantially the same diameter as that of the bore for a length extending from said inlet opening to said outlet opening and of a smaller diameter over said outlet opening.

15. A sanding arrangement for sanding a rail only in front of a railway vehicle wheel regardless of the direction of movement of the vehicle on said rail, said arrangement comprising for each end of the vehicle a screw adapted upon rotation in one direction to supply sand to said rail at a rate in proportion to the speed of rotation of said screw and adapted upon rotation in the reverse direction to prevent the supply of sand to said rail, means providing a continuous drive connection for said screw with said wheel so arranged as to turn said screw at the leading end of the vehicle in the direction for supplying sand to said rail and at the trailing end of the vehicle in the reverse direction, and valve means controlling the supply of sand to said screw and operable automatically in effecting an application of brakes to supply sand to said screw and in effecting a release of brakes to cut off the supply of sand to said screw.

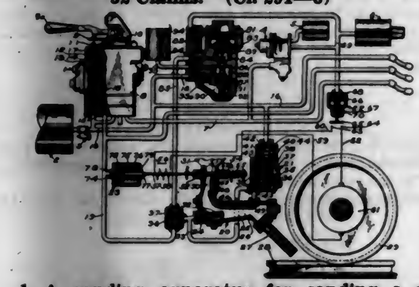
2,256,289

RAIL SANDING APPARATUS

John Canetta, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application December 30, 1939, Serial No. 311,721

52 Claims. (Cl. 291—3)



1. A sanding apparatus for sanding a rail under a railway vehicle, comprising sander means for supplying sand in various quantities for sanding said rail, regulating means for controlling the quantity of sand supplied by said sander means and adjustable to different positions to provide various quantities of sand supply, and means adapted to operate substantially in accordance with variations in the speed of said vehicle to adjust said regulating means to said different positions for limiting the quantity of sand supplied by said sander means for sanding said rail to a degree substantially in proportion to the speed of the vehicle.

2,256,290

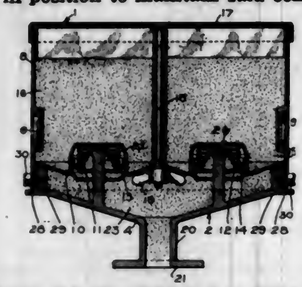
SAND CONTAINER

Joseph C. McCune, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application October 31, 1940, Serial No. 363,667

4 Claims. (Cl. 291—38)

1. In a sanding apparatus for vehicles, the combination with a sanding system, of a bracket included in the system and having a sand conducting passage, a sand container removably carried by said bracket, valve means carried by a fixed part of said container and operative to control a communication from the interior of the container to the passage in the bracket, means on said bracket for holding said valve means in position to maintain said communica-



tion open, resilient means for actuating said valve means to close said communication, a removable top cover for the sand container, said cover being entirely separate from said valve means, and means for clamping said cover to the container, said means being so constructed and arranged as to be accessible to remove said cover only when the container is free from said bracket.

2,256,291

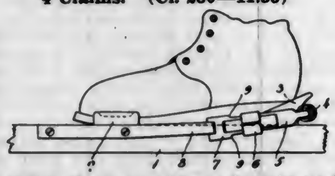
SKI BINDING

Ole Miöen, Stockholm, Sweden

Application January 14, 1939, Serial No. 251,008

In Sweden January 17, 1938

4 Claims. (Cl. 280—11.35)



1. A ski binding comprising a toe piece adapted to receive the toe of a boot and a heel grip adapted to hold the boot firmly in said toe piece, said heel grip comprising two side members extending along the sides of the boot and a rear member connecting together the rear ends of said side members, said rear member consisting of a stiff helical spring of substantially the same length as the width of the heel and extending substantially transversely of the ski and adapted to be subjected to a transversal bending action when acted upon by the boot during skiing.

2,256,292

IGNITION APPARATUS FOR INTERNAL COMBUSTION ENGINES

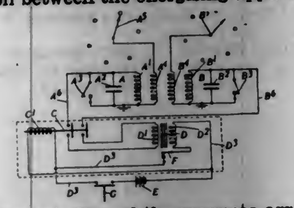
Frank Raymond Faber Ramsay, London, England, assignor to D. Napier & Son Limited, London, England, a company of Great Britain

Application March 30, 1940, Serial No. 326,992

In Great Britain April 13, 1939

9 Claims. (Cl. 123—148)

1. Energising apparatus for supplying low tension current impulses to the primary winding of a high tension magneto of an internal combustion engine, comprising a primary circuit including an interrupter and adapted to be connected to a source of current, and an electromagnetically operated switch for controlling the connection between the energising apparatus and



the primary winding of the magneto arranged to close and open automatically as the primary circuit is respectively energised and deenergised.

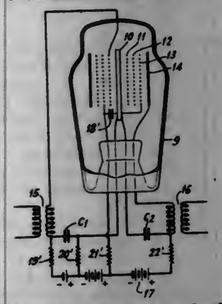
2,256,293

HIGH FREQUENCY ELECTRON DISCHARGE DEVICE

Bernard Salzberg, East Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application November 30, 1939, Serial No. 306,781

7 Claims. (Cl. 250—27.5)



2. An electron discharge device having an envelope containing a cathode and an anode, and a plurality of grids positioned between the cathode and anode and including a signal grid, screen grid and suppressor grid, mica spacers at opposite ends of the mount for spacing the cathode, anode and grids, alternate mica spacers and conducting plates being adjacent each end of said mount, one of the conducting plates at each end of the mount being electrically connected to the screen grid and another of said plates at each end of the mount being electrically connected to the cathode.

2,256,294

POWER GENERATING APPARATUS

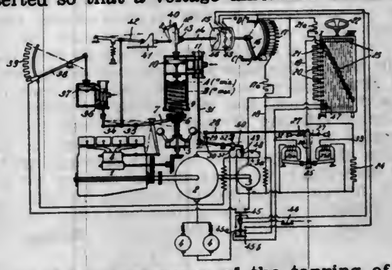
Oscar Schläpfer, Winterthur, Switzerland, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland

Application January 15, 1940, Serial No. 313,870

In Switzerland January 25, 1939

20 Claims. (Cl. 290—40)

1. Power generating apparatus including an internal combustion engine, which drives a generator operated with voltage maintained at least approximately constant and which can be operated at different speeds by means of an adjustable device for altering the number of revolutions, characterised in that parallel to a field circuit of the generator with a resistance serving to maintain the voltage constant, a control circuit is provided which has several tappings, an impulse transmitter responding to the alterations in voltage and influencing the adjusting of the number of revolutions being inserted so that a voltage difference which has



occurred in consequence of the tapping of the control resistance effects the intended alteration of the number of revolutions.

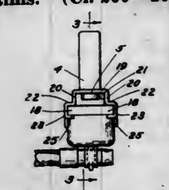
2,256,295

ELECTRIC SWITCH

William Schmid, Bronson, Mich., assignor to H. A. Douglas Mfg. Co., Bronson, Mich., a corporation of Michigan

Application November 26, 1937, Serial No. 176,585

5 Claims. (Cl. 200—164)



1. A switch including in combination; a housing provided with wells and apertures cooperating with said wells; a pair of contact means, each having a contact portion arranged within a well and a portion extending through an aperture and having a terminal receiving aperture therein; a spring encircling each of said contact means; said housing being further formed with a guideway with said contact portions extending therein, bosses adjacent its side walls and projections at the corners thereof; an actuator provided with a handle at one extremity, and an enlargement at the other extremity, said enlargement being formed to provide shoulders and a longitudinal projection, the latter carrying bridge means adapted to cooperate with said contact portions; a mounting plate for said switch provided with a slot through which said handle extends, and formed to provide a pair of channel portions; one of said channels cooperating with the guideway in said housing whereby to receive said shoulders and said longitudinal projections; and the other portion receiving the upper extremity of said housing and provided with bifurcations receiving said bosses, and fingers which are clamped over said corner projections.

2,256,296

PULLEY OR LIKE BLOCK

George Thompson Smith, Loughborough, England, assignor to Herbert Morris Limited, Loughborough, England, a British company

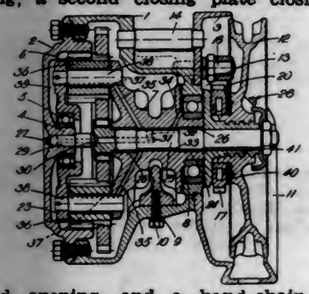
Application August 1, 1939, Serial No. 287,831

In Great Britain August 2, 1938

4 Claims. (Cl. 254—169)

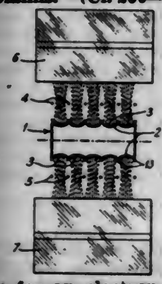
4. An epicyclic pulley block including a circular body portion having an enlarged opening at one

end and a restricted opening at the other end of said circular body portion, a closing plate closing said enlarged opening, an internal gear ring on said plate, a stud on said closing plate, a load-chain wheel housed within said circular body portion, a pinion cage formed on said load-chain wheel, bearings for said load-chain wheel and pinion cage, one of said bearings mounted on said stud, and the other mounted within the restricted opening of said circular body portion, bearings within said load-chain wheel, a first motion shaft supported in said bearings within said load-chain wheel, a pinion carried by said shaft, intermediate pinions carried by said cage and meshing with said pinion and said internal gear ring, a second closing plate closing the



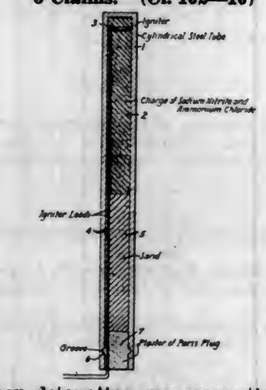
restricted opening, and a hand-chain wheel mounted on said first-motion shaft at the end having said second closing plate, said first-motion shaft operatively connecting the hand-chain wheel to the load-chain wheel for transmitting power to the load-chain wheel, said second-mentioned closing plate extending inwardly across the bearing journal mounted in the restricted opening of said body portion to said shaft, a load-chain guard and a slack-chain attachment carried by said circular body portion, a guard for the hand chain carried by the circular body portion and extending over a substantial portion of said hand-chain wheel, said body portion and said closing plates being shaped for inter-engaging assembly.

2,256,297
ELECTRON DISCHARGE DEVICE
Philip T. Smith, East Orange, and Lloyd P. Garner, Newark, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application August 31, 1939, Serial No. 292,822
6 Claims. (Cl. 250—27.5)



1. A cathode for an electron discharge device comprising a metal cathode core, means for heating the surface of the core to emission temperature, the emitting surface of said cathode being divided into a plurality of side-by-side channels, and strips along the boundaries of the channels to prevent electron emission from the ridges.

2,256,298
BLASTING DEVICE
James Taylor, Saltcoats, Scotland, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
Application October 27, 1937, Serial No. 171,391
In Great Britain October 29, 1936
5 Claims. (Cl. 102—10)



1. A non-detonating gas-generating blasting device comprising a non-destructible re-usable pressure-resistant container, a charge of non-detonating gas-producing material disposed in said container, igniting means disposed adjacent to said charge, venting means confining said charge in said container comprising a column of inert granular material and a supporting member located in the end of said contaner adjacent to said inert granular material.

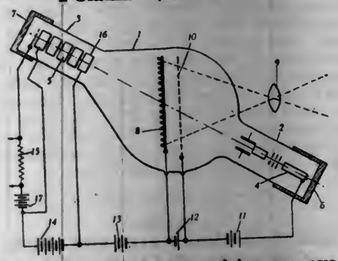
5. A non-detonating gas-generating blasting device comprising a re-usable pressure-resistant container consisting of a cylindrical steel tube closed at one end, a charge of non-detonating gas-producing material disposed within said tube adjacent to the closed end thereof, an igniter embodied in said charge, a column of sand disposed in said tube between the locus of said charge and the opened end of said tube, keying means in the mouth of said tube, and a plug of plaster of Paris cast into place closing said mouth and co-operating with said keying means.

2,256,299
MOP HOLDER AND MOP
Julian McDonald Thompson, R. F. D., Swoope, Va.
Application January 8, 1940, Serial No. 312,809
4 Claims. (Cl. 15—150)



3. A mop-holder head comprising two elongated head plates hinged together along juxtaposed longitudinal edges, a row of gripping fingers disposed along the length of each said head plate and extending downwardly at right angles therefrom, and means normally biasing the head plates about their hinges so that the fingers are interlocked in gripping relation, the free ends of at least one said row of fingers being bifurcated, and the relation of the fingers of one head plate with the corresponding fingers of the second head plate being such that when the head plates are in their normal position, the bifurcated free ends of the corresponding fingers are in positive, interlocking engagement with each other.

2,256,300
DEVICE APPLICABLE MAINLY TO TELEVISION
Stanislas Van Mierlo, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y.
Application October 15, 1937, Serial No. 169,185
In France November 6, 1936
1 Claim. (Cl. 178—7.2)



A television camera comprising an evacuated vessel having disposed therein an electron multiplier and a screen consisting of a metallic grid coated with insulating material and provided on one face with a mosaic of photo-emissive particles, a source of electrons disposed on the opposite side of said screen to said electron multiplier, means for projecting a luminous image on the photo-emissive surface of said screen and means for causing an electron beam from said electron source to scan said screen, said electron multiplier being positioned to receive electrons which pass through said screen from said electron source, and a grid electrode negatively biased with respect to said electron source interposed between said source and said screen for retarding the speed of the electrons as they approach said screen, thereby permitting the photo-emissive particles on said screen to act as a control grid to control the electrons passing through said screen from said electron source.

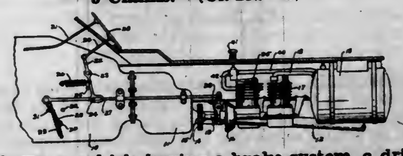
2,256,301
ELECTRON BEAM TUBE
Herbert M. Wagner, Kearny, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 24, 1939, Serial No. 305,847
6 Claims. (Cl. 250—27.5)

1. An electron discharge device having an envelope containing a thermionic cathode, a cylindrical electrode surrounding and coaxial with said cathode and provided with a longitudinal slot parallel to said cathode, means for forming the electrons from said cathode into a beam passing through the slot in said cylindrical electrode and means between said slot and said cathode for deflecting the beam of electrons across said slot, an output electrode for receiving the beam of electrons and a pair of deflecting electrodes positioned on opposite sides of the



beam for deflecting the beam after it emerges through the slot in said cylindrical electrode and shielding the beam between the output electrode and said slot.

2,256,302
BRAKE CONTROL
Fred R. Wehmeier, Indianapolis, Ind.
Application January 26, 1940, Serial No. 315,675
3 Claims. (Cl. 192—3)

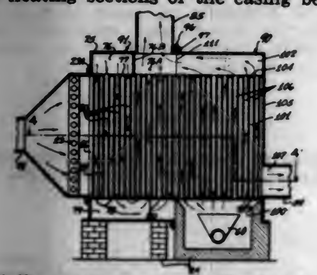


1. For a vehicle having a brake system, a driving engine and an engine control member shiftable from an initial position to positions for increasing engine output, the combination of means operated by return travel of said control member toward said initial position for setting into operation said brake system, and means rendering inoperative said first means upon a predetermined travel of said control member from said position, means automatically returning said control member to its initial position upon release, said automatic return means actuating said first means, said brake system comprising a fluid pump, a vehicle driving member, driving means between said pump and said driving member, and said first means consisting of a clutch in said driving means, and a storage tank for accumulating under pressure fluid discharged from said pump, a fluid motor, controlled means for driving the motor from the tank, and means for driving the vehicle driving member from the motor.

2,256,303
RECOVERY AND UTILIZATION OF WASTE ENGINE HEAT
Robert D. Williams, Memphis, Tenn., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Original application April 4, 1938, Serial No. 199,821. Divided and this application December 7, 1939, Serial No. 307,956
2 Claims. (Cl. 237—1)

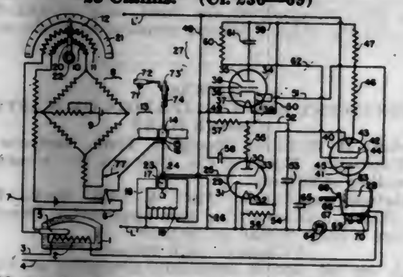
2. An air heater assembly providing at least two air heating sections combined to form a unit, said assembly including a casing structure forming an enclosing body for the unit, spaced tube plates located inwardly of the opposite ends of the casing and forming with the casing, end chambers therein, tubes connecting the spaced tube plates, and opening at their opposite ends into said chambers, a hot fluid inlet conduit connected into one end chamber of one of said air heating sections of the assembly, a hot fluid outlet duct directed outwardly of another chamber

of said one of said air heating sections, combustion means in one end chamber of the other of said air heating sections of the assembly, coacting with the tubes to pass hot gases to the opposite chamber of the said other heating section of the assembly, thence into the outlet duct, an air inlet connection to the space between the tube plates and about the tubes in the first said air heating section a liquid radiator in said inlet connection, adjacent the first said air heating section, an air outlet duct directed from the space about the tubes in said other heating section of the assembly, the tube-containing portions of said air heating sections of the casing being in



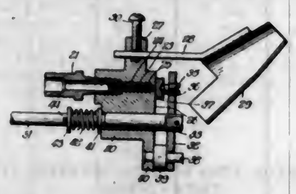
substantially open communication with each other so as to permit free movement of air from said air inlet duct, to the air outlet duct; the casing structure enclosing the unit, being formed of two companion portions connected to each other along a substantially median plane parallel to the tubes, whereby, when desired, the first said heating section and said other heating section may be detached from each other, and either unit adapted for operation separately, the connection between the two said sections of the unit being such as to enable attachment of a substantially planar closure element along the parting plane of either section of the unit when removed from the other.

2,256,304
CONTROL APPARATUS
Walter P. Wills, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 19, 1937, Serial No. 159,875
25 Claims. (Cl. 236—69)



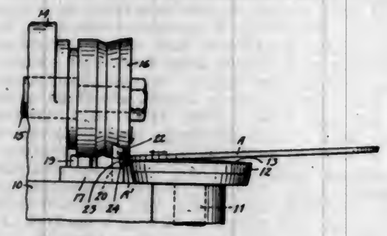
21. Cyclically operated control apparatus for a variable condition including an electrical contact, means under control of said condition to open and close said contact in cycles, the relation of the open to the closed period of said contact depending upon the value of the condition and the sum of said open and closed periods in each cycle varying with the value of the condition, said means including an electronic amplifier having a continuously graded characteristic and a solenoid energized by said amplifier.

2,256,305
BURNER CONSTRUCTION
Anton J. Yeager, Wisconsin Rapids, Wis., assignor to Prentiss Wabers Products Co., Wisconsin Rapids, Wis., a corporation of Wisconsin
Application July 15, 1938, Serial No. 219,323
1 Claim. (Cl. 158—32)



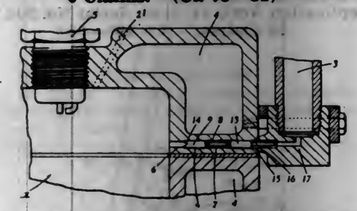
A liquid fuel burner comprising a burner body, the body having an axially extending cylindrical chamber therein, said chamber having a reduced portion extending to the discharge face of the burner body, a tube constituting a fuel passage extending axially through the chamber and fitting closely in the reduced portion of the chamber, said tube having a radially extending opening intersecting the axial opening therein, means for introducing fuel into the tube and for closing the rear end of the cylindrical chamber, the burner body having an air inlet opening therein communicating with the lateral wall of the cylindrical chamber at a point out of alignment with the radial opening in the fuel tube.

2,256,306
CIRCULAR SHEAR FOR SHEARING CIRCULAR METAL PLATES
Robert Russell Ziegler, Nutley, N. J., assignor to Encor Corporation, Belleville, N. J., a corporation of New Jersey
Application July 31, 1940, Serial No. 348,653
9 Claims. (Cl. 164—60)



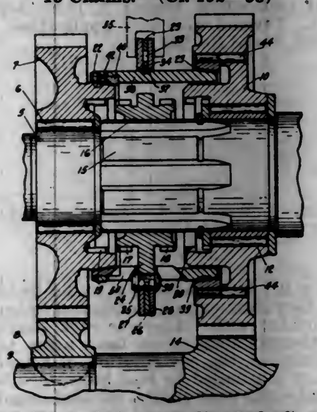
9. In a circular shear for shearing circular plates into a continuous strip, a rotatable lower circular shear member adapted to engage the under-surface of the plate being sheared adjacent its edge, and a rotatable upper circular shear member having its edge contiguous to the edge of said lower shear member at the cutting point and adapted to engage the upper surface of said plate adjacent its edge outwardly of the point of engagement by the lower shear member, a stop and guide member adjustably mounted beneath said upper shear member in laterally spaced relation to the cutting edge of said lower shear member to support and guide the edge of said plate during shearing, the spacing of said stop and guide member from said lower shear member determining the width of the shear cut, and a contact member carried by the face of said stop and guide member consisting of Stellite.

2,256,307
APPARATUS FOR OBTAINING INDICATIONS OF THE PRESSURE AND/OR VARIATION OF PRESSURE IN THE CYLINDERS OF INTERNAL COMBUSTION ENGINES
Evelyn Stewart Lansdowne Beale, Chelsea, London, and Richard Stansfield, Teddington, England, assignors to International Standard Electric Corporation, New York, N. Y.
Application July 1, 1938, Serial No. 216,920
In Great Britain October 15, 1937
6 Claims. (Cl. 73—31)



1. Apparatus for obtaining a pressure diagram from a chamber subject to rapid changes in pressure, such as an internal combustion engine cylinder there being an elongated passage through the wall of said chamber, said passage having at its inner end a bore of approximately 1/16 inch diameter in communication with said chamber and an enlarged portion of about 3/32 inch diameter for the greater part of the passage and being of a length many times the diameter of said bore whereby resonant vibrations tend to occur in said passage, and a rod inserted in said passage defining with the walls of the passage a broken line path for the gases whereby resonance effects of the gas column in said passage are effectively damped out, and an indicator unit responsive to pressure communicated through said passage mounted at the outer end of the passage.

2,256,308
SYNCHRONIZING MEANS
Leo A. Bixby and Robert Lapsley, Berrien Springs, Mich., assignors to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application October 7, 1939, Serial No. 298,391
15 Claims. (Cl. 192—53)



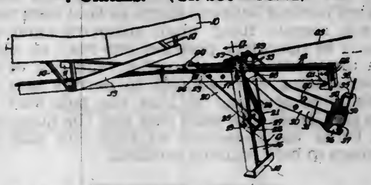
1. In a transmission, a splined shaft, a clutch gear axially movable thereon, a pair of gears journalled on said shaft adjacent opposite ends of said clutch gear and having clutch tooth portions adapted to be selectively engaged by said clutch gear, a plurality of radially extending fingers on said clutch gear, a clutch yoke secured to the ends of said fingers and encircling said clutch gear, a synchronizer sleeve encircling said clutch gear within said yoke and having circumferential notches in the surface thereof, and wire springs carried in said yoke and engaging in said notches for coupling said yoke and sleeve for conjoint axial movement.

2,256,309
CAR ROOF
Charles David Bonsall, Pittsburgh, Pa., assignor to Standard Railway Equipment Manufacturing Company, New Kensington, Pa., a corporation of Delaware
Application October 12, 1938, Serial No. 234,532
6 Claims. (Cl. 105—457)



1. A car roof running board comprising metal sections adapted to be disposed between adjacent seams of a car roof with their ends supported thereon, each of said sections comprising a single pressed metal member having depending side marginal flanges that extend from end to end of said sections and are adapted to rest on said roof and depending hollow ribs that extend from end to end of said section between said flanges, the two central ribs of each section being deep enough to bear on the roof and the remaining ribs being relatively shallow ribs adapted to clear said roof.

2,256,310
HITCH FOR TRAILER VEHICLES OR IMPLEMENTS
William L. Braley and Marshall L. Hildebrand, Springfield, Ohio, assignors to Oliver Farm Equipment Company, a corporation of Delaware
Application July 26, 1939, Serial No. 286,506
7 Claims. (Cl. 280—33.44)

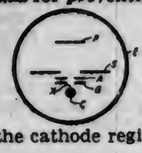


1. A hitch for a trailer type implement or the like comprising a main draft member, a supporting member pivoted to said draft member, and a bodily movable draft means operatively connected to said supporting member and to said main draft member for controlling the position of said supporting member.

2,256,311
ELECTRON BEAM TUBE
George Fairburn Brett, Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware
Application July 8, 1939, Serial No. 283,394
In Great Britain July 29, 1938
3 Claims. (Cl. 250—141)

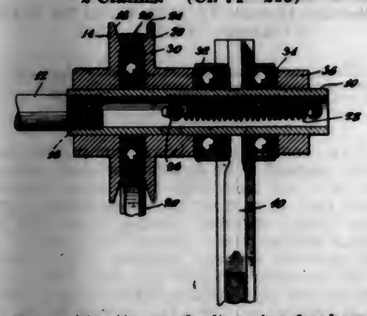
1. An electron discharge device having a cathode and anode, and a plurality of apertured electrodes positioned between the cathode and anode,

said apertures being aligned and parallel to the cathode, and means for preventing emission from



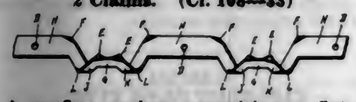
that portion of the cathode registering with said apertures.

2,256,312
CLUTCH MECHANISM FOR V-BELT DRIVES
John E. Cregier, Chappaqua, N. Y.
Application July 15, 1939, Serial No. 284,646
2 Claims. (Cl. 74—219)



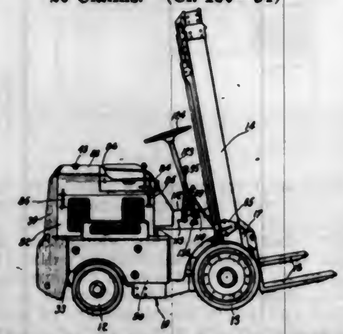
1. In combination, a shaft, a ring freely rotatable about the shaft, a pair of relatively movable side members held to rotate with the shaft on the sides of said ring and adapted to cooperate to form a groove to receive a V-type belt, spring means for tensioning said side members apart to permit such a belt to rest upon said freely rotatable ring, stop means carried by the shaft, and a wedging member adapted to be interposed between said stop and one of said movable side members positively to hold said side members clamped together closely enough to grip such a belt, such wedging member having two substantially flat portions of different thickness with a wedging portion between them, so that such member will remain fixed when either of such portions is in operative position but may be moved from one position to the other, and one of said portions being thin enough to permit said side members to separate so that the belt may rest upon the freely rotatable ring and the other portion being thick enough to hold the said side members in belt gripping position.

2,256,313
ROOFING ANCHOR STRIP
Carl J. Dexter, La Fayette, Ind.
Application February 8, 1940, Serial No. 317,803
2 Claims. (Cl. 108—33)



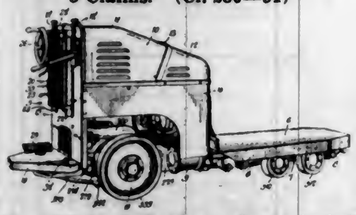
1. A roofing anchor comprising a flat metal strip cut to provide spaced longitudinally aligned identical base portions, arms integral with and projecting laterally from adjacent ends of said base portions in converging relation, clamp members integral with said arms and offset from said base portions opposite to the space between the latter, the outer corners of said portions and said clamps bent substantially at right angles thereto in the same direction to provide prongs, said arms bendable upon themselves to dispose said clamp in its entirety between said base portions with said prongs spaced from and disposed at substantially right angles to each other.

2,256,314
INDUSTRIAL TRUCK
Elmer J. Dunham, Battle Creek, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application April 14, 1939, Serial No. 267,749
20 Claims. (Cl. 180—54)



1. In an industrial truck having a rigid power unit assembly, a frame comprising parallel side members spaced apart at one end by a transverse vertical plate and at the opposite end by a transverse cradle, forwardly extending projections on said cradle, a transverse shaft supported in said projections, supporting means on said plate and cradle adapted to receive opposite ends of said rigid power unit assembly, and counterweight means secured to said end plate and the adjacent side members about said engine end of said frame.

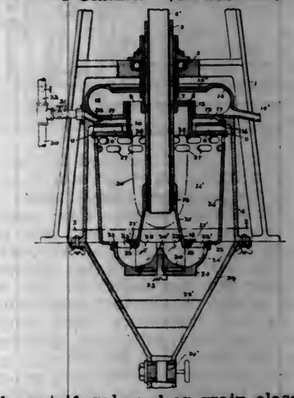
2,256,315
LIFT TRUCK
Elmer J. Dunham, Battle Creek, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Original application August 8, 1936, Serial No. 94,926. Divided and this application August 23, 1939, Serial No. 291,527
5 Claims. (Cl. 280—91)



1. In a lift truck having a frame including a pair of forwardly extending parallel beam members provided with transverse rock shafts journalled therein adapted to have arms supporting a platform, the combination of a transverse axle shaft journalled in said beam members intermediate said rock shafts, parallel longitudinal arms on the outer sides of said beam members pivoted intermediate their ends on said axle shaft, wheels dirigibly mounted on the ends of each of said longitudinal arms, said platform extending over said wheels whereby said wheels

are adapted to rock said longitudinal arms about said axle shaft when passing over uneven floor surfaces without interference with said platform, said beam members having transverse openings therethrough, tie rods extending through said openings and interconnecting each of the fore and aft pairs of wheels for conjoint movement, separate crank arms of unequal length connected to the fore and aft wheel on one of said longitudinal arms, a rod connected between the ends of said crank arms and a steering rod connected to the longer of said crank arms intermediate the ends thereof.

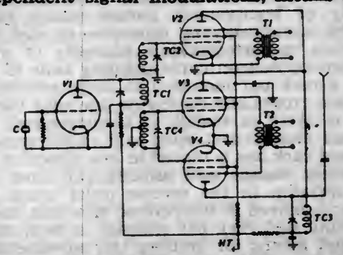
2,256,316
SEED CLEANER
Edgar D. Eddy, Toronto, Ontario, Canada, assignor to Eddy Seed Cleaners, Limited, Toronto, Ontario, Canada
Application March 17, 1939, Serial No. 262,334
5 Claims. (Cl. 233—14)



1. A centrifugal seed or grain classifier of the liquid-charged type having in combination a bowl rotor mounted in a liquid-filled casing, means for feeding the seeds or grain into the lower region of the rotor, means for removing the lighter seeds from the upper end of the rotor, means other than the charging liquid for causing the heavier seeds to travel upwardly within said rotor, said rotor having discharge outlets for the said heavier seeds at the upper end thereof, and means for conducting the said heavier seeds from said upper outlets, said bowl comprising a single thin walled shell diverging upwardly at a very slight uniform angle from bottom to top, and said discharge outlets comprising spaced peripherally elongated openings formed in the thin bowl wall at the upper end only in peripheral rows one immediately above the other with the openings of one row disposed between the openings of the next row in overlapping relation.

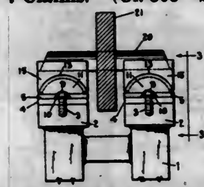
2,256,317
CARRIER WAVE TRANSMISSION SYSTEM
Charles William Earp, London, England, assignor to International Standard Electric Corporation, New York, N. Y.
Application June 7, 1939, Serial No. 277,771
In Great Britain July 1, 1938
3 Claims. (Cl. 250—9)

1. A transmitting system for transmitting two separate related signals on carrier waves of the same radio frequency, comprising a source of radio frequency energy, two modulators at least one of said modulators being a balanced modulator, means for applying carrier frequency from said source in phase quadrature to said modulators, means for applying said related signals to respective ones of said modulators to produce independent signal modulations, means for ap-



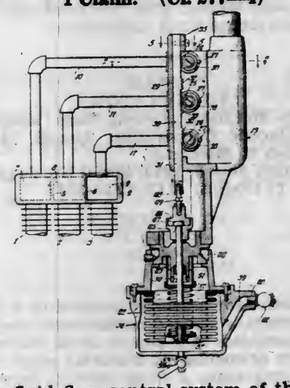
plying said modulations to a non-directional transmitting means, and means for applying carrier to said transmitting means in phase with one only of said modulations.

2,256,318
BEARING STRUCTURE
Harlan A. Hadley, River Edge, N. J., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application November 27, 1939, Serial No. 306,283
7 Claims. (Cl. 308—2)



2. In a bearing assembly of the type described, a base, and a pair of relatively movable bearing elements mounted thereon for pivotal movement as a unit, about a vertical axis, one of said elements being formed to provide a retaining seat for the other, adapted in cooperation with said base, for confining the latter element to a rocking movement relative to said one element, about a horizontal axis.

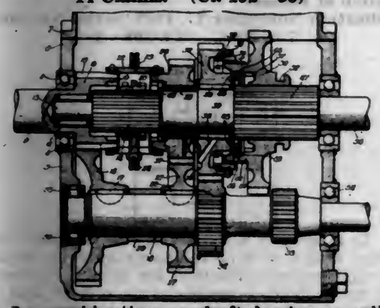
2,256,319
VALVE
Arthur J. Johnson, Chicago, Ill.
Application August 2, 1940, Serial No. 349,444
1 Claim. (Cl. 277—4)



In a fluid flow control system of the class de-

scribed, the combination of a casting formed with a plurality of parallel fluid conductors and a guide groove located at one side of, and crosswise of, said fluid conductors, a corresponding plurality of transversely ported rotary valves mounted in said casting crosswise of said fluid conductors, a corresponding plurality of mutilated pinions fast on corresponding ends of said valves, a rack bar mounted to move endwise in said guide groove and having on one edge thereof groups of teeth so spaced as to successively engage said pinions and open said valves seriatim when said rack bar is moved in one direction and successively engage said pinions and close said valves seriatim in the reverse order when said rack bar is moved in the reverse direction, means for moving said rack bar endwise in both directions, and means for limiting the movements of said valves to fully opened and fully closed positions.

2,256,320
TRANSMISSION
Robert Lapsley, Berrien Springs, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application February 19, 1940, Serial No. 319,661
14 Claims. (Cl. 192—53)



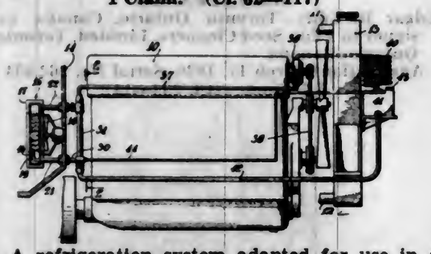
1. In combination, a shaft having a splined portion, a gear rotatably journalled at one end of said portion, a second gear splined for axial shifting movement toward and away from said first gear, and synchronizing means between said gears comprising a frusto-conical sleeve carried by said second gear, a mating friction surface carried by said first gear, means on said first gear adjacent the inner end of said surface forming a resilient detent tending to prevent axial separation of said sleeve and surface, and means on said second gear for positively withdrawing said sleeve from said detent.

2,256,321
COMMUTATOR
Raymond G. McCusker, Lowell, Mass., assignor to Heinse Electric Corporation, Lowell, Mass., a corporation of Michigan
Application July 5, 1940, Serial No. 344,043
11 Claims. (Cl. 171—321)



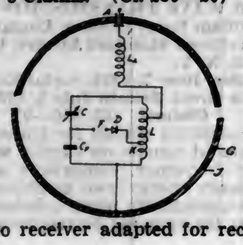
1. A commutator assembly formed of a plurality of peripherally spaced commutator segments held in assembled relation to each other by a molded body of insulating material, each of said segments comprising a body portion having an inturned finger at one end embedded in said insulating material and an outturned finger at the other end, said insulating material extending into engagement with opposed surfaces of said outturned finger, thereby to hold said segment firmly in place on said molded body of insulating material.

2,256,322
COOLING SYSTEM
Carl E. Meyerhoefer, Brooklyn, N. Y., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y., a corporation of New York
Original application April 2, 1938, Serial No. 199,574. Divided and this application September 23, 1938, Serial No. 231,348
1 Claim. (Cl. 62—117)



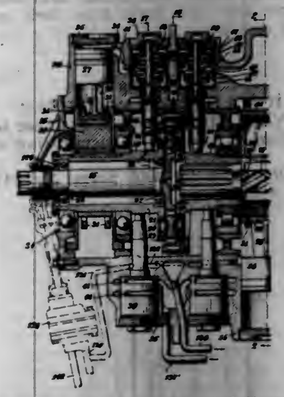
A refrigeration system adapted for use in a motor vehicle including an evaporator to be positioned within the passenger compartment of the vehicle, motor-driven means also positioned within said passenger compartment and behind said evaporator for circulating air through said evaporator, an auxiliary chamber coupled to said evaporator but positioned in the engine compartment of said vehicle for replenishing the refrigerant in said evaporator, float controlled valve means associated with said chamber for maintaining the refrigerant therein and in said evaporator at substantially the same pre-determined levels, refrigerant for such system, a compressor pump for said refrigerant and positioned in said engine compartment and being adapted to be driven by the internal combustion engine of said vehicle, a condenser for said system positioned ahead of the cooling radiator of said motor vehicle so as to be cooled by the flow of air past the same incident to the motion of said motor vehicle as well as to the action of the cooling fan of said internal combustion engine and means for coupling said system together for operation as a sealed refrigerating system.

2,256,323
PORTABLE DETECTING DEVICE FOR ULTRA-SHORT WAVES
Friedrich Morawetz, Vienna, Germany, assignor to Radio Watch Company, a corporation of Delaware
Application November 4, 1938, Serial No. 238,919
In Austria December 14, 1937
5 Claims. (Cl. 250—20)



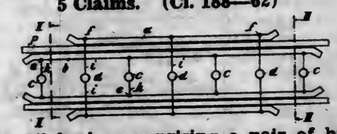
1. A radio receiver adapted for receiving and detecting short waves, comprising an antenna having an effective length less than one-half of the length of the wave to be received, a loading coil connected to said antenna and having an inductance suited to increase the effective length of said antenna to about one-half of the length of the wave to be received, an oscillatory circuit tuned to the wave to be received comprising an inductance coil and a pair of condensers all connected in a series loop, means connecting said loading coil to a point on said inductance coil selected to obtain a step-up in voltage transferred to said oscillatory circuit, a detector connected from a point between said condensers to a point on said inductance coil to form a bridge circuit the sensitivity of which is determined by the balance between said condensers and the point of connection of said detector to said last coil, and a sound propagating device connected to be actuated by the oscillatory current as demodulated by said detector.

2,256,324
TRANSMISSION
Elias Orshansky, Jr., University Heights, Ohio, assignor to The Acrotorque Company, Cleveland, Ohio, a corporation of Connecticut
Application July 20, 1939, Serial No. 285,554
11 Claims. (Cl. 74—189.5)



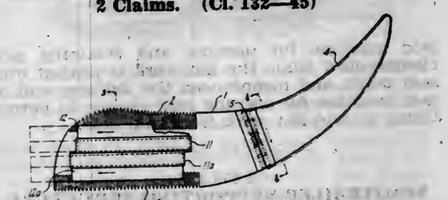
1. A transmission capable of delivering on the part of the output shaft driving torque in excess of that imparted to its input shaft, said transmission including a driving shaft, a driven shaft, a gearing assembly comprising three intermeshing gears, two of the gears of said assembly being coupled to move with said driving and driven shafts, the third gear moving in response to relative movements of said first named gears and providing a reaction point for the same such that power is transmitted from said driving shaft to said driven shaft, a pump unit connected to said third gear to be driven thereby, a motor unit connected to said driven shaft, means providing an unobstructed passage from said pump to said motor whereby fluid will flow without reduction of pressure or volume from said pump to said motor, a variable eccentric forming a part of said motor and whereby the internal capacity of said motor unit may be correspondingly varied so that said motor unit will function as a metering device to control the volume of fluid delivered by said pump and a counterbalance associated with said motor unit to substantially counteract any condition of unbalance, as developed by said eccentric.

2,256,325
RAIL BRAKE
Heinrich Pösentrup, Munster, and Hans Schütte, Rheine, Germany, assignors to Rheiner Maschinenfabrik Windhoff A.-G., Rheine, Westphalia, Germany
Application May 10, 1939, Serial No. 272,808
In Germany July 26, 1937
5 Claims. (Cl. 188—62)



1. A rail brake comprising a pair of braking bars on the outer and inner sides of a rail track, and a plurality of members acting upon each braking bar at spaced points along the track rail for feeding said braking bars towards the associated track rail, the points of action of the feeding members for the outer braking bars being staggered with respect to the points of action of the feeding members for the inner braking bars, and the feeding members at the ends of the rail brake being adjusted to produce less braking action than the remaining feeding members.

2,256,326
COMBINATION HAIR WAVE GAUGE, COMB, AND RAZOR
Louis Quinio, Tarentum, Pa.
Application December 2, 1940, Serial No. 368,145
2 Claims. (Cl. 132—45)

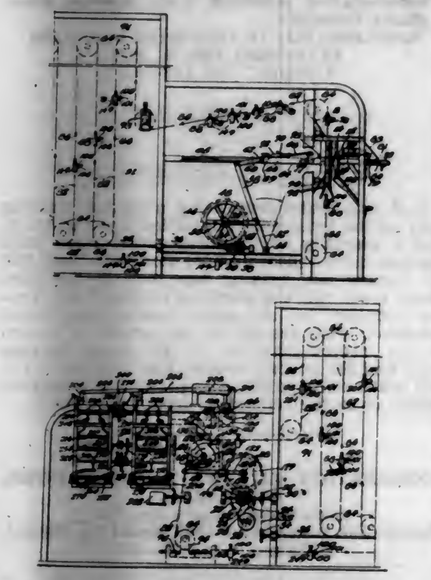


1. A combination hair wave gauge comb and cutter comprising a thin flat strip with teeth extending transversely of a straight longitudinal axis of said strip on opposite edges thereof and having portions of its longitudinal edges curved, a razor mount integrally attached on a flat face thereof, said razor mount being disposed adjacent the teeth of the strip, and a blade secured in said mount with its cutting edge disposed transversely of the teeth to cut the hair drawn through the teeth of the comb.

2,256,327
FLATWORK DRYING, FOLDING, PRESSING, AND COUNTING MACHINE
Bertrand A. Parkes and Ralph C. Parkes, Philadelphia, Pa.
Application December 2, 1938, Serial No. 243,570
8 Claims. (Cl. 38—2)

6. The combination with a machine having a feed end and a delivery end, of a clamping mechanism reciprocable towards and away from said feed end and adapted to engage the edge of a piece of flat work at the feed end of said machine and to draw said flat work inwardly away from said feed end, a pole, means for propelling said pole between said feed end and said clamping mechanism when the latter is substantially at its furthest position away from said feed end whereby said flat work is draped substantially along the center line thereof over said

pole, means for picking said flat work substantially along the center line thereof off said pole, clamps on said poles for normally retaining said flat work thereon, means near the feed end of



said machine for opening and retaining said clamps open while the flat work is draped over said poles, and means near the delivery end of said machine for opening said clamps to permit lifting of said flat work from said pole.

2,256,328

SEMITRAILER SUPPORTING STRUCTURE

Frederick M. Reid, Detroit, Mich., assignor to Fruehauf Trailer Company, Detroit, Mich., a corporation of Michigan

Application May 3, 1940, Serial No. 333,184
1 Claim. (Cl. 254—86)



In a semi-trailer, in combination, a pair of retractable leg members, a shaft interconnecting corresponding ends of said members, a wheel structure carried by said shaft adjacent each of said members, each of said members having rigidly fixed thereto downward extensions having relatively flat shoe means of material area arranged in a plane approximately normal to the length of said members, each said flat shoe means being symmetrically positioned with respect to the associated wheel structure, and being positioned intermediate said shaft and the peripheries of the wheels whereby to provide an auxiliary ground engaging surface adapted to support the semi-trailer at a fixed height in the event that the wheels sink into a soft supporting surface, means for raising and lowering that end of said members carrying said wheels, and means for operatively connecting the opposite ends of said members to said trailer.

2,256,329

METHOD OF MAKING FOOTWEAR

Andreas Szerenyi and Hans Rollmann, Brussels, Belgium, assignors, by mesne assignments, to Heinz Rollmann, Brussels, Belgium

Original application January 7, 1937, Serial No. 119,511. Divided and this application August 9, 1938, Serial No. 223,864. In Austria January 8, 1936
7 Claims. (Cl. 18—59)



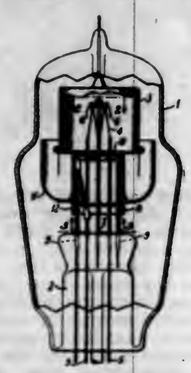
7. The method of making rubber soled footwear, comprising shaping a dense rubber outer sole with a recess corresponding in outline approximately to that of the upper, filling said recess with a sponge rubber mix, assembling the sole thus prepared with an upper so that the upper engages with said sponge rubber mix in said recess, and heating to a vulcanizing temperature so as to produce a body of sponge rubber vulcanized onto said upper and onto said dense rubber sole and serving as their exclusive connecting means.

2,256,330

HIGH VOLTAGE RECTIFIER

Charles P. Vogel, Millburn, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application June 29, 1940, Serial No. 343,073
4 Claims. (Cl. 250—27.5)



4. A high voltage rectifier comprising an envelope, a cathode in said envelope supported by one end of said envelope, a cup-shaped anode in said envelope supported by the other end of the envelope and free of and in spaced relation with said cathode and enclosing said cathode with unobstructed evacuated space between the anode and the cathode and the anode leads, and a cup-shaped shield connected to the cathode and solely supported upon the cathode leads, said shield being coaxial with and telescoped between the wall of the envelope and the rim of the anode with all points on the surface of the anode within line of sight of the cathode shielded from the envelope.

2,256,331

PLATE FASTENER

Theophilus Watter, Huntington, N. Y.

Application October 30, 1940, Serial No. 363,408
6 Claims. (Cl. 24—221)



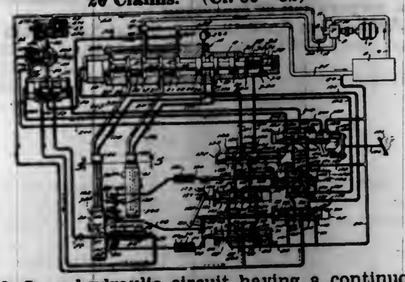
3. In a fastener as described, for connecting a pair of plates, a pair of springs, buttons on one of said plates to which the outer ends of said springs are attached, the inner ends of said springs each wound about the other spring of said pair intermediate their ends and bent to leave a space therebetween, and a button seated in the other plate adapted to be passed through said space between the springs adapted to be engaged by said springs to firmly unite both plates.

2,256,332

HYDRAULIC CIRCUIT

Benedict Welte, Berkley, Mich., assignor to Colonial Broach Company, Detroit, Mich., a corporation of Delaware

Application April 22, 1938, Serial No. 203,654
20 Claims. (Cl. 60—52)



2. In a hydraulic circuit having a continuous cycle of operation, a primary circuit, a pair of work performing hydraulic cylinders connected in said primary circuit, a closed circuit connecting said cylinders for moving either one of said cylinders when the other is moved by fluid pressure from said primary circuit, means for prefilling said closed circuit, interlocking means for preventing operation of said cylinders on continuous cycle until said closed circuit has been prefilled, and means for supplying fluid under pressure to all of said circuits.

2,256,333

PROCESS OF OBTAINING A MIXTURE OF CARBON MONOXIDE AND HYDROGEN IN CONTROLLED PROPORTIONS

William D. Wilcox, Kansas City, Mo.; Mary Palmer Wilcox, executrix of said William D. Wilcox, deceased, assignor to Le Roy J. Snyder, Kansas City, Mo., James V. Richards, Pekin, Ill., and Henry Mills Wilcox, Santa Monica, Calif., as trustees

No Drawing. Application January 6, 1938, Serial No. 183,646
7 Claims. (Cl. 252—373)

1. The process of obtaining a mixture of carbon monoxide and hydrogen in controlled proportions which comprises heating the interior of a refractory walled dissociation chamber filled with refractory heat absorbing masses to a temperature in excess of 2500° F., by a combustion of fuel gas in the chamber, conveying the combustion gas through a heat exchanger and preheating the air which supports the combustion of the fuel gas, then passing hydrocarbon gases to which have been added a volume of steam in excess of that, which if dissociated, would oxidize the carbon of the hydrocarbon gas to carbon monoxide, through the dissociation chamber, in a direction of travel counter-current to the travel of the heating gas, with a time of contact with the heated refractories within the chamber such as effects a nearly complete dissociation of the hydrocarbon gas; then bringing about an increase in the ratio of carbon monoxide relative to hydrogen in the gas, by passing the gas from the dissociation chamber through a body of coke prior heated, to incandescence, in a connected generator and converting the undecomposed steam in the gas to carbon monoxide and hydrogen by union with the coke.

2,256,334

HATCH PLUG

Kurt E. Zeidler, Chicago, Ill., assignor to Standard Railway Equipment Manufacturing Company, a corporation of Delaware

Application January 27, 1940, Serial No. 315,883
18 Claims. (Cl. 105—377)



1. A hatch plug comprising a metal framework, having seats for nailing strips projecting outwardly beyond the sides thereof, removable nailing strips resting edgewise on said seats and loosely held in position upon said framework without being rigidly fastened thereto, means for securing against outward movement the upper and lower portions of said nailing strips, and sealing pads on said nailing strips and removable therewith.

2,256,335

ELECTRON DISCHARGE DEVICE

William Herbert Aldous and Geoffrey William Warren, Wembley, England, assignors to M-O Valve Co. Limited, a limited company of Great Britain

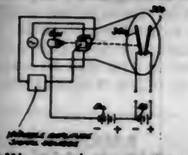
Application May 4, 1939, Serial No. 271,697
In Great Britain May 5, 1938
5 Claims. (Cl. 250—27.5)



1. An electron discharge device having a cathode for supplying electrons and an anode for receiving said electrons, a first control electrode between said cathode and said anode, a beam forming electrode for forming electrons from said cathode into a beam and including a sheet member of conducting material lying in a plane parallel to said beam, an accelerating electrode and a second control electrode positioned between said first control electrode and the anode, each of said last two electrodes having portions lying on

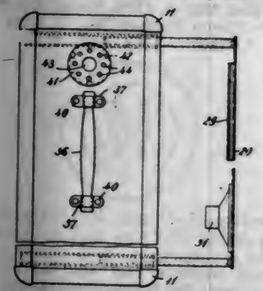
opposite sides of said beam, said second control electrode being adapted to have varying positive and negative voltages of high frequency applied thereto during operation of said discharge device, said sheet member being adapted to receive any electrons returned by said second control electrode when said second control electrode assumes a negative potential with respect to the cathode.

2,256,336
PULSE MODULATION SYSTEM
William Arnold Beatty, Sidcup, Kent, England, assignor to International Standard Electric Corporation, New York, N. Y.
Application January 9, 1940, Serial No. 313,041
In Great Britain January 6, 1939
2 Claims. (Cl. 179—171.5)



1. In a signaling system employing an electron beam tube having a source of electrons, sets of deflecting plates, and a bi-part target of predetermined shape with the parts insulated from each other, the method of generating pulse signals which are a function of the instantaneous amplitude of an intelligence signal which comprises applying said intelligence signal to one set of deflecting plates, applying a voltage of predetermined wave form and of a substantially constant frequency to another set of said deflecting plates, the frequency of said voltage being higher than the highest frequency of said intelligence signal, intercepting said beam by said target after deflection by said plates, applying a potential to one part of the target and a different potential to the other part of the target whereby pulses of dissimilar amplitude are derived therefrom.

2,256,337
PORTABLE SOUND AND PICTURE REPRODUCING APPARATUS
Vladimir J. Boor, Scotch Plains, N. J., and Arthur J. Bradford, Grosse Pointe Farms, Mich., assignors to Jam Handy Picture Service, Inc., Detroit, Mich., a corporation of Delaware
Application March 9, 1940, Serial No. 323,158
11 Claims. (Cl. 88—16.2)

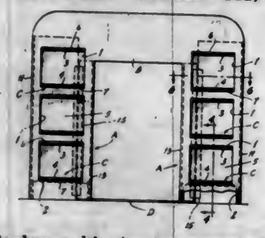


1. A portable sound and picture reproducing apparatus comprising a case, a projector arranged within the case with its axis at right angles to the front of the case, a sound reproducing unit arranged adjacent the projector, means for feeding film to the projector and the sound reproducing unit, an amplifying unit mounted in the case, a panel extending over substantially the entire front of the case, collapsible arms secured to the panel and to the case whereby the panel may be arranged within the case or in an extended position spaced therefrom, a loud speaker carried by the panel and connected to the amplifying unit, a screen on the panel, and means for directing light rays from the projector to the screen.

2,256,338
METHOD OF FORMING MOLD PATTERNS
Joseph B. Brennan, Cleveland, Ohio
No Drawing. Application December 16, 1940, Serial No. 370,375
1 Claim. (Cl. 22—195)

In the method of forming a mold pattern, the steps which comprise preparing a drawing in accordance with the exact dimensions of the finished casting, photographically reproducing and enlarging said drawing an amount sufficient to compensate for the shrinkage of the metal to be employed in making the casting, and employing said photographic enlargement to secure the dimensions of the pattern.

2,256,339
DISPLAY CABINET
Clifford D. Fallert, St. Louis, Mo., assignor to Gaylord Container Corporation, St. Louis, Mo., a corporation of Maryland
Application April 19, 1940, Serial No. 330,483
12 Claims. (Cl. 312—144)

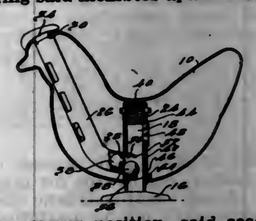


1. A display cabinet of corrugated board or like material comprising a hollow column having at least one opening in the side thereof and a compartment member snugly fitting within said hollow column crosswise thereof, said compartment member comprising vertically spaced horizontally disposed top and bottom portions connected inside said column by a vertical wall, said top and bottom portions having doubled-back extensions that extend through said opening, seat against the respective upper and lower edges thereof and project outside of said column to form two-ply outstanding ledges along said edges of said opening.

2,256,340
TOY HEN
John J. Gora, River Rouge, and Edward J. Wyrick, Wyandotte, Mich., assignors to All Metal Products Company, Wyandotte, Mich., a corporation of Delaware
Application May 29, 1941, Serial No. 395,706
6 Claims. (Cl. 46—124)

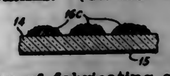
1. A toy comprising a body simulating a fowl, said body having a first opening formed therein adjacent the bottom thereof, an upright, hollow member mounted within said body in alignment with said first opening, a first conduit member

disposed within said body and communicable with the interior of said hollow member through a second opening, said first conduit member being constructed to receive pellets, a second conduit member extending through said first opening and telescopically received within said hollow member, resilient means associated with said hollow and second conduit members normally urging said members apart and urging said



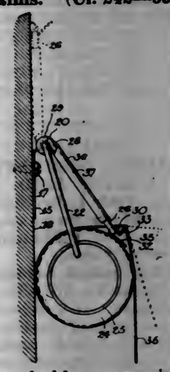
body to an upper position, said second conduit member having an opening formed therein, the construction and arrangement of said second and last named openings being such that they are aligned when said body is depressed so that a pellet passes into said second conduit member and remains therein until said body returns to its upper position when said pellet drops out of said last named opening.

2,256,341
PHOTOELECTRIC DEVICE AND METHOD OF MANUFACTURE
Willard Hickok, Bloomfield, N. J., assignor to Radio Corporation of America, a Delaware corporation
Application February 27, 1940, Serial No. 320,995
11 Claims. (Cl. 250—167)



1. The process of fabricating a photosensitive electrode which comprises the steps of subjecting to mercury a metal capable of forming an amalgam, heating the amalgamated metal to drive off substantially all of the mercury and then photosensitizing the metal.

2,256,342
ROLL PAPER HOLDER
Samuel N. Hope, Wauwatosa, Wis., assignor to Griffith-Hope Company, West Allis, Wis., a corporation of Wisconsin
Application June 24, 1938, Serial No. 215,591
2 Claims. (Cl. 242—55.5)



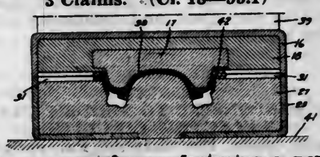
1. A roll paper holder, comprising means for rotatably supporting a roll of paper, a pivotally supported member having a wire cross bar adapted to extend across the roll, and a sheet metal strip folded longitudinally about said cross bar and having a bearing portion extending more than 180° around said cross bar and thereby pivotally secured thereon, said strip having a paper-severing edge and having a portion bearing on said roll to prevent rotation of said strip on said cross bar.

2,256,343
MACHINERY PACKING
Cecil R. Hubbard, Palmyra, N. Y., assignor to The Garlock Packing Company, Palmyra, N. Y., a corporation of New York
Application April 26, 1940, Serial No. 331,696
5 Claims. (Cl. 288—5)



1. Strip material adapted for use as machinery packing stock, said material having oppositely disposed, complemental surface portions, one concave and the other convex, whereby sections of the stock may be assembled with the convex portion of one nested in the concave portion of another, the respective parts of the stock bearing the convex and concave portions being spaced from each other but bound together by intervening material of relatively weak adhesiveness, as compared with the texture of the united parts, to facilitate their separation, whereby one part of a section of the stock may have its convex portion nested in the exposed concave portion of a section of a packing assembly and the other part of the same section may be readily separated and caused to have its concave portion cap the exposed convex portion of another section of the assembly, the separated surface portions of the parts of the disintegrated section of stock which may thus be caused to serve as exposed surface portions of a completed packing assembly being of forms materially different from the concave and convex surface portions of the stock in order that they may conform with surface portions of an enclosure within which the packing is to be used and with which they are designed to have snug contact.

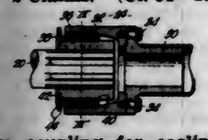
2,256,344
PROCESS OF MANUFACTURING NONSHATTERABLE VITREOUS DENTURE BASES
Pyungtoo William Lee, York, Pa., assignor to The Dentists' Supply Company of New York, New York, N. Y., a corporation of New York
Application December 23, 1938, Serial No. 247,482
3 Claims. (Cl. 18—55.1)



1. The process of manufacturing a non-shatterable vitreous denture base in a flask, comprising the steps of first investing the denture model with an investment material in one-half of the flask, the denture model having thereon a temporary denture base with teeth attached, then applying the other half of said flask and filling same with investment material, then opening

the flask, then removing the temporary denture base material while allowing the teeth to remain in the set investment material, then moulding a layer of plastic vitreous forming material into said resulting cavity, then inserting a flexible sheet of glazed material, and conforming same to shape of vitreous forming material, then moulding another layer of plastic vitreous forming material onto said flexible member, then closing said flask and applying pressure, then opening said flask, removing said flexible glazed sheet and inserting a preformed non-frangible member, then closing said flask and applying pressure, and then firing said investment to vitrify said plastic sheets with the included non-frangible member.

2,256,345
AIR COOLED DRIVE FOR DRAFT FANS
Leon T. Mart, Mission Township, Johnson County, Kans., assignor to The Marley Company, Kansas City, Kans., a corporation of Missouri
Application August 3, 1940, Serial No. 350,584
2 Claims. (Cl. 64—11)



1. A drive coupling for cooling tower fans, comprising a shaft; a joint, provided with a flexible member completely isolating the shaft from the remaining parts of the drive coupling; and a heat dissipating element mounted on the drive coupling near the flexible member, said joint being a universal joint resulting in the constant flexing of said flexible member, said heat dissipating element having faces formed to intersect the paths of travel of currents of air created by the fan.

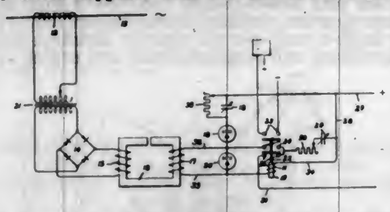
2,256,346
ARTIFICIAL FISH LURE
Campbell Mathie, Chicago, Ill.
Application March 24, 1939, Serial No. 263,831
7 Claims. (Cl. 43—42)



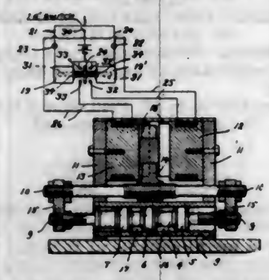
1. A fish lure comprising a pair of relatively broad plates substantially in planes at a right angle to each other and connected by a narrow twisted neck portion having substantially a quarter-turn therein, with means for hook attachment in one plate and means for line attachment in the other plate.

2,256,347
DEVICE RESPONSIVE TO SUDDEN CHANGES IN ELECTRIC CIRCUITS
Douglas E. Mode, Philadelphia, Pa., assignor to General Electric Company, a corporation of New York
Application June 2, 1939, Serial No. 277,014
11 Claims. (Cl. 175—294)

1. A device responsive to sudden changes in an alternating current comprising means for rectifying said current, a transformer comprising two windings one of which is connected to be energized by said rectified current, electromagnetic means comprising a movable member and an actuating coil connected to be energized from the other of said transformer windings operative when supplied with current above a predetermined value to move said member from one position to another, and means for maintaining the response of said electromagnetic means substantially independent of the magnitude of the alternating current immediately preceding the occurrence of a sudden change therein.



2,256,348
HYDRAULIC VEHICLE BRAKE SAFETY CONTROL
Grover C. Mosher, Duluth, Minn.
Application December 23, 1940, Serial No. 371,425
3 Claims. (Cl. 188—152)

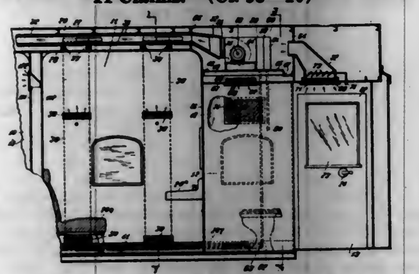


1. In a motor vehicle having an electric ignition system and hydraulically operated brakes, a cylinder having intake and exhaust ports communicating with the main fluid line of said brakes whereby the fluid must pass into and out of said cylinder to control said brakes, a spool piston within said cylinder, movable to prevent passage of said fluid from one port to another, spaced magnets, a shaft adjacent said magnets, an armature reciprocable between said magnets and longitudinally adjustably mounted upon said shaft, adjustable means connecting said shaft and said piston, and manually controlled means for energizing either magnet whereby said piston may be moved to control flow of said fluid to said brakes.

2,256,349
ART OF PREPARING DERIVATIVES OF ANACARDIC ACID
Emil E. Novotny, Oak Lane, and George Karl Vogelsang, Frankford, Pa., assignors to Durite Plastics, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application September 23, 1937, Serial No. 165,332
12 Claims. (Cl. 260—46)

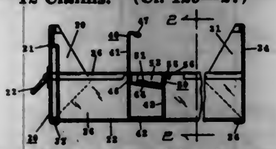
10. As a composition of matter, the infusible reaction product of a fusible anacardic material and an organic nitro-compound, said nitro-compound being sufficiently thermo-stable to permit its being heated per se to its boiling point at atmospheric pressure without exploding or otherwise undergoing appreciable decomposition.

2,256,350
AIR CONDITIONING SYSTEM FOR RAILWAY CARS
Karl F. Nystrom, Milwaukee, Wis.
Continuation of application Serial No. 712,449, February 23, 1934. This application December 8, 1937, Serial No. 178,821
11 Claims. (Cl. 98—10)



1. In an air conditioning system for railroad cars, a pair of main ducts, a plurality of branch ducts extending downwardly from the main ducts to the passenger compartments, means to force air through the main and branch ducts, means to condition the air passing through the ducts, a hot air outlet provided in each branch duct, a cold air outlet provided in each branch duct above each hot air outlet, and temperature controlled means including thermo-sensitive elements provided within each branch duct for directing the conditioned air through either the hot air outlets or the cold air outlets.

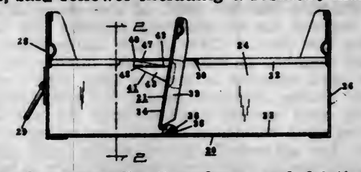
2,256,351
FILING CABINET
Walter F. Regenhardt, Cleveland, Ohio
Application November 26, 1938, Serial No. 242,541
12 Claims. (Cl. 129—27)



5. A filing drawer comprising in combination, side walls and a connecting bottom wall, the side walls each having an inwardly extending and horizontally disposed abutment; a follower file-back disposed between the side walls and transversely thereof, said file-back having a wedge engaging surface disposed transversely of the length of the drawer and the opposite ends thereof being resilient; and a wedge shaped file-back locking member adapted to frictionally engage said resilient ends and said abutments when the member is moved forwardly.

2,256,352
DRAWER FOLLOWER
Hans W. Regenhardt, Cleveland, Ohio, assignor to The Steel Storage File Company, Cleveland, Ohio, a corporation of Ohio
Application March 27, 1939, Serial No. 264,397
20 Claims. (Cl. 129—31)

5. In combination, a filing drawer having a bottom wall and confronting side walls, one of said side walls having a shoulder forming an abutment; a follower disposed between the side walls, said follower including a resilient member



disposed rearwardly therefrom and frictionally engageable with the bottom wall of the drawer, and including a forwardly extending shoulder disposed to engage the abutment.

2,256,353
OIL FROM HYDROXYLATED FATTY ACIDS
Alfred E. Rheineck, Louisville, Ky., and James Scott Long, Coopersburg, Pa., assignors to Devoe & Raynolds Co., Inc., a corporation of New York
No Drawing. Application March 12, 1938, Serial No. 195,550
5 Claims. (Cl. 260—410)

1. A synthetic drying oil consisting of the reaction products of a hydroxylated compound of a drying oil acid having at least two hydroxyl groups esterified with at least two molecules of drying oil acid for each molecule of such hydroxylated compound, such product being characterized by the fact that it has a number of double bonds per molecule at least approximately equal to the aggregate number of double bonds in said last specified drying oil acid molecules.

2,256,354
PHOTOFLASH SYNCHRONIZING DEVICE
William A. Riddell, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application January 23, 1940, Serial No. 315,221
11 Claims. (Cl. 67—29)



2. In a photographic setting type shutter having an associated flash synchronizing device the combination of a master member, means for moving said master member to, and holding it in, a set position, and comprising a setting member normally moved to a position of rest and movable therefrom for setting the master member, a lost-motion connection between the setting member and the master member permitting said setting member to move idly with respect to said master member after said master member has been set but during which movement said master member is adapted to be held in a set position by the setting member, a trigger mechanism for releasably holding said setting member in its set position, a contact adapted to be connected to one side of an electrical circuit including a flash lamp, said contact operatively connected to said setting member to move over a given path

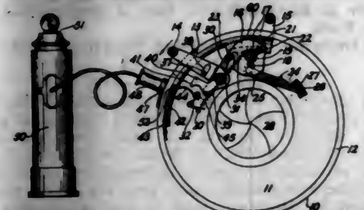
in conjunction with a movement of said member, a second contact adapted to be connected to the other side of said circuit and arranged to move to and from an operative position wherein it extends into the path of movement of said first contact to be engaged thereby for completing the circuit through the lamp when the setting member is released, and during the interval said member is moving idly with respect to said master member, means for automatically moving said second contact into its operative position upon release of said setting member, and means for automatically retracting said second contact from its operative position prior to movement of said setting member toward its set position after release of the shutter.

2,256,355

PHOTOFLASH SYNCHRONIZING DEVICE

William A. Riddell, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application January 26, 1940, Serial No. 315,855
11 Claims. (Cl. 67—29)



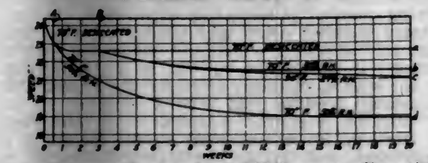
3. In a photoflash synchronizing device the combination of a photographic shutter including a spring operated mechanism, means for setting said shutter, a releasable latch mechanism for holding said shutter in a set position and including a movable shutter trigger, a first contact adapted to be connected to one side of an electrical circuit including a flash lamp, a movable contact adapted to be connected to the other side of said circuit and disposed to engage said first contact to complete said circuit when moved, means connecting said movable contact to said trigger whereby said contact is adapted to be moved in conjunction therewith when said trigger is moved to release said shutter operating mechanism, said contacts being so disposed, and said connecting means being such, that the movable contact is adapted to be moved into engagement with said first contact at a given time prior to the release of said shutter operating mechanism, and means for preventing the engagement of said contacts during the setting of said shutter.

2,256,356

PROCESS OF TREATING SENSITIVE PHOTOGRAPHIC FILM

Marion E. Russell and Loyd A. Jones, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application April 22, 1938, Serial No. 203,536
In Great Britain May 27, 1937
7 Claims. (Cl. 95—7)



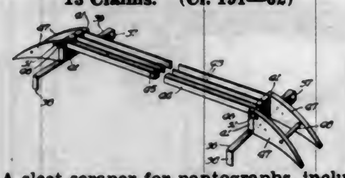
1. The method of stabilizing sensitometric characteristics of an unexposed photographically sensitive emulsion comprising a suitable colloid carrier and silver halide that comprises reducing its water vapor pressure to a point equivalent to the water vapor pressure existent at less than 5% relative humidity at atmospheric pressure and maintaining it in such condition for at least three weeks.

2,256,357

SLEET SCRAPER

Edward Sears, Deer Lodge, Mont.

Application March 9, 1940, Serial No. 323,234
13 Claims. (Cl. 191—62)



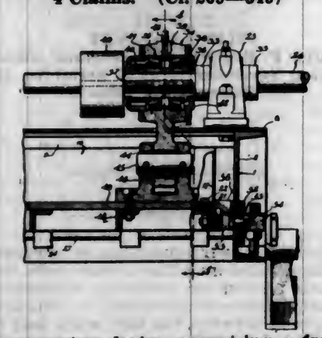
1. A sleet scraper for pantographs, including a pair of brackets having hook-shaped front ends adapted to fit around and rest on a forward pantograph shoe and downward extensions at the rear ends adapted to fit behind the rear pantograph shoe, insulating blocks secured to the brackets, a sleet scraping bar secured to the insulating blocks, and guiding horns extending from approximately even with the top surface of the bar outwardly and downwardly to a position adapted to lie below the top of the guides of the pantograph.

2,256,358

SCREENING APPARATUS

Kenneth L. Smith, Aurora, Ind., assignor to Stedman's Foundry & Machine Works, Aurora, Ind., a corporation of Indiana

Application July 31, 1939, Serial No. 287,532
4 Claims. (Cl. 209—349)



1. A screening device comprising a frame including side members having flange portions extending outwardly therefrom, a tray having a foraminous membrane rockably mounted between said side members, drive means for rocking said tray, and means for abruptly stopping and thereby vibrating the tray as it approaches reversal positions in its rocking movement, said means including lug members mounted on said tray at opposite sides thereof, stop members having portions respectively extending through said side members in the paths of movement of said stop members, and also having portions extending externally of said side members for carrying adjustment screws, and adjustment screws extending through said portions into engagement with said flange portions of said side members.

2,256,359

BRACKET STRUCTURE FOR VENETIAN BLINDS

John S. Stark, Sharonville, Ohio, assignor to Clopay Corporation, Cincinnati, Ohio, a corporation of Maryland

Application November 4, 1940, Serial No. 364,157
6 Claims. (Cl. 156—17)



1. The combination for a Venetian blind, comprising a bracket member having a foot portion and a leg portion extending therefrom, the said leg portion having an aperture therein for journalling a shaft of a tilt rail, strap means provided in said leg portion at opposite sides of said aperture, the said straps being adapted to receive a tang struck from a cord lock whereby said cord lock may be mounted upon said bracket in operative position in accordance with the mounting of the bracket on a surface of a window frame.

2,256,360

PRETENSIONED FUSE LINK

Alwin G. Steinmayer and Chester W. Brown, Milwaukee, Wis., assignors to Line Material Company, South Milwaukee, Wis., a corporation of Delaware

Application April 1, 1938, Serial No. 199,335
13 Claims. (Cl. 200—135)



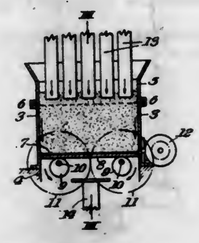
1. A unitary spring-tension fuse link for expulsion fuse tubes, said link comprising a tubular member having an upper and lower end, a rigid contact member extending from the upper end of said tubular member and having a flanged contact end remote from said tubular member, a fusible section within said tube connected at one end with said contact member, a flexible conductor secured to the other end of said fusible section and extending from the lower end of said tubular member to a point sufficiently remote from said tubular member to extend to the exterior of a fuse tube, a coil expansion spring mounted on said contact member and held under compression between said contact member and tube, and means on said flexible conductor engaging the lower end of said tubular member to hold said spring under compression.

2,256,361

BLOCK MAKING APPARATUS AND METHOD OF MANUFACTURE

Francis J. Straub, New Kensington, Pa.

Application April 9, 1938, Serial No. 201,122
6 Claims. (Cl. 25—41)



4. In a block making apparatus, the combination of an open top stationary mold box having a vertically reciprocable pallet-supporting plate, means for intermittently elevating said plate for a fraction only of its entire discharge travel and for permitting lowering of the plate and contents under pressure, and aggregate compressing means in the form of individual tampers opposing said means at varying planes upwardly during formation of the block whereby to impart to the contained aggregate alternating smoothing movement against the inner faces of the mold box during its progressive formation, and independent means for upwardly discharging the plate and finished block thereon with final trowelling of its sides and ends against the inner mold faces.

6. The method of making a concrete building block consisting in charging portions of plastic aggregate within a stationary mold box and with upward accumulation therein above a bottom support, subjecting the accumulating mass to continuous intermittent impact pressure from above at successively ascending zones, and simultaneously to opposing limited upward and alternating lowering movement whereby the entire mass during condensation is caused to be moved upwardly and downwardly within the stationary mold box with final upward ejection therefrom and resulting smoothing action against its confining wall faces.

2,256,362

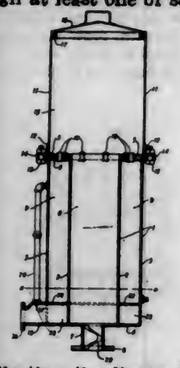
PRECISION APPARATUS FOR DIVIDING FLOWING LIQUIDS INTO DEFINITE PROPORTIONS

Kenneth E. Stuart, Niagara Falls, N. Y., assignor to Hooker Electrochemical Company, Niagara Falls, N. Y., a corporation of New York

Application February 29, 1940, Serial No. 321,509
13 Claims. (Cl. 137—166)

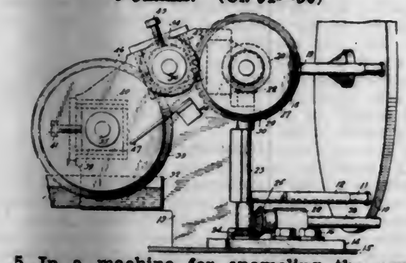
1. A precision apparatus for dividing a flowing liquid into definite proportions comprising a conduit adapted to be connected at its lower end to a source of said liquid and terminating vertically in a flanged open mouth; a series of orifices extending through said flange equidistantly spaced around a circle concentric with said mouth, said orifices being similar as to form and equal as to dimensions and having their inlets lying in the same horizontal plane; a liquid tight retaining wall upon said flange encompassing said orifices and concentric with said circle, forming with said flange a reservoir into which the

conduit discharges; means for collecting the liquid flowing through at least one of said orifices; and



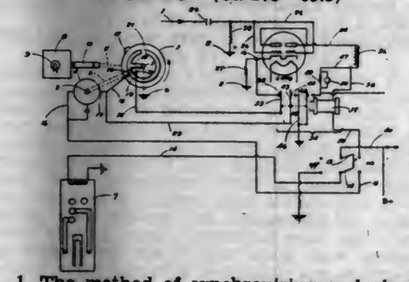
means for collecting the liquid flowing through the other orifices.

2,256,363
MACHINE FOR ENAMELING THE SHOULDERS OF COLLAPSIBLE TUBES
George W. Temple, New York, N. Y., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application October 30, 1940, Serial No. 363,411
6 Claims. (Cl. 91—50)



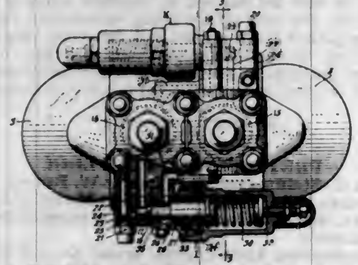
5. In a machine for enameling the conical shoulder of a collapsible tube, an enamel-applying roller including a rubber ring having a conical surface adapted to engage the shoulder, and means for supporting the tube to rotate the tube while the shoulder is engaged by said surface.

2,256,364
PHASING SYSTEM
Louis A. Thompson, Lakewood, Ohio, assignor to Acme Newspictures, Inc., New York, N. Y., a corporation of Delaware
Application May 16, 1940, Serial No. 335,562
14 Claims. (Cl. 178—69.5)



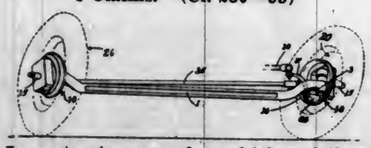
1. The method of synchronizing and phasing two rotating members which comprises driving said members at a synchronous speed, using one of said members to generate a phasing signal and control a thermionic circuit thereby, interrupting the drive of said other member to cause said member to shift its phase relation relative to the first and using said second rotating member to provide additional periodic control each revolution for said thermionic circuit, and locking out said interrupted drive with said thermionic circuit when a predetermined phase relationship between the rotating members is established.

2,256,365
DUAL RELIEF VALVE
Harry T. Wentworth, South Orange, N. J., assignor to Foster Engineering Co., Newark, N. J., a corporation of New Jersey
Application April 29, 1941, Serial No. 390,875
7 Claims. (Cl. 137—53)



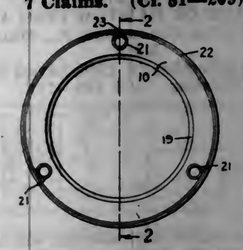
7. A fluid pressure relief valve apparatus comprising a casing having two ports either one of which may serve as an entrance for fluid while the other serves as an exit, said casing also having two passages each having a valve seat the outlet side of which communicates with one of said ports and with the inlet side of the valve seat of the other passage, a main valve for each seat at the inlet side thereof for controlling flow of fluid from the inlet side to the outlet side, and a pilot valve for each main valve to control opening of the corresponding main valve upon occurrence of excess pressure at the inlet side of said main valve.

2,256,366
STEERING GEAR FOR VEHICLES
Edwin J. Weston, Canton, Ohio
Original application June 10, 1936, Serial No. 84,513. Divided and this application January 31, 1939, Serial No. 253,768
6 Claims. (Cl. 280—95)



1. In a steering gear for vehicles of the class described, in combination with a vehicle structure, wheel mounting parts extending laterally from the opposite sides thereof, pivot pins threaded intermediate their ends and wherewith said mounting parts have screw connection, steering knuckles incorporating housings encompassing said mounting parts and the top and bottom portions of which are rigidly secured to the pins, said knuckles including spindles, and bearings on the spindles spaced inwardly and outwardly of the vertical planes of said pins for the mounting of the steering wheels of the vehicle, the axes of said pins being inclined downwardly and forwardly and said spindles being offset forwardly from the transversely inclined plane of the axes of said pins.

2,256,367
GRINDING WHEEL
Carl Wolf, Meriden, Conn.
Application May 16, 1939, Serial No. 273,901
7 Claims. (Cl. 51—209)



1. In a grinding wheel of molded abrasive material and having a flat rear face, reinforcing means including a plurality of nuts spaced apart about the wheel, and a ring of flat strip metal surrounding said nuts and spot-welded thereto, said nuts and ring being disposed with their ends and edge respectively flush with the rear end face of said wheel and embedded in the abrasive material of said wheel.

2,256,368
DENATURED MATERIAL
John C. Woodhouse, New Castle, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 21, 1938, Serial No. 220,510
4 Claims. (Cl. 252—366)

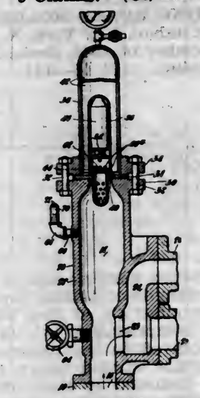
1. A denatured ethyl alcohol containing as an essential denaturing agent from 0.01 to 10% by volume of a substance selected from the group consisting of nitromethane, nitroethane, 1-nitropropane and 2-nitropropane.

2,256,369
TILT RAIL STRUCTURE FOR VENETIAN BLINDS
Albert F. Ziegler, Cheviot, Ohio, assignor to Clopay Corporation, Cincinnati, Ohio, a corporation of Maryland
Application November 8, 1940, Serial No. 364,895
8 Claims. (Cl. 156—17)



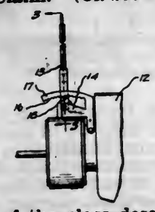
1. A combination which comprises a tilt rail of a Venetian blind, the said tilt rail having recesses in an end thereof in spaced relationship, and grooves extending respectively from said recesses to bounding edges of said end tilting cords residing within said grooves, said cords having means residing in said recesses for holding said cords to said tilt rail, and a plate member fastened to the end of said tilt rail over said recesses and grooves for holding the tilting cords therein.

2,256,370
AUTOMATIC AIR CHAMBER
James W. Adams, Dallas, Tex., assignor to Oil Well Supply Company, a corporation of New Jersey
Application February 15, 1940, Serial No. 319,151
9 Claims. (Cl. 103—6)



1. The combination with a reciprocating pump, of an anti-surging device having a lower chamber connected with the discharge line of the pump and having a closed upper chamber communicating with said lower chamber, a valve controlling the communication between said chambers and operable to admit liquid to the upper chamber from the lower chamber against the air cushion in said upper chamber during the operation of the pump, said valve being closable by the return flow of liquid from the upper chamber upon stopping the pump and thereby trap the air cushion in the upper chamber, said valve closing the lower chamber and permitting the formation of a vacuum therein upon the return flow of liquid therefrom to the discharge line, and an automatic valve for admitting atmospheric air to the lower chamber upon the formation of said vacuum therein, thereby supplying additional air for said air cushion upon restarting the pump.

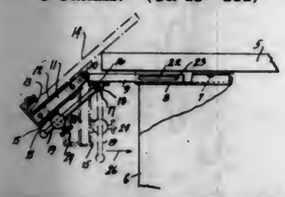
2,256,371
BRAKE INDICATOR
Albina Cerveny, Highland Park, Mich.
Application June 27, 1939, Serial No. 281,428
1 Claim. (Cl. 200—59)



In a device of the class described, a rockable brake-applying lever movable to brake-applying position and to brake-releasing position; a pawl carried by said lever and interposed in an electric circuit; a ratchet segment interposed in said

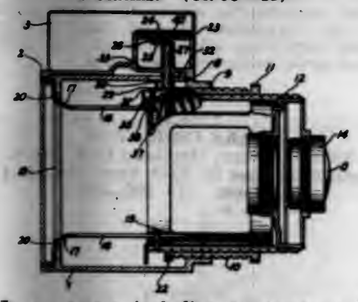
circuit and engageable with said pawl for securing said lever in various positions of rocked movement, the engagement of said pawl with said segment effecting a closing of said circuit; and a layer of insulation covering some of the teeth of said segment for preventing contact of said pawl with said segment upon movement of said brake-applying lever to brake-releasing mechanism for maintaining said circuit broken.

2,256,372
DRAFTING BOARD HOLDER
Martin Chabon, New York, N. Y.
Application December 10, 1940, Serial No. 369,419
3 Claims. (Cl. 45—131)



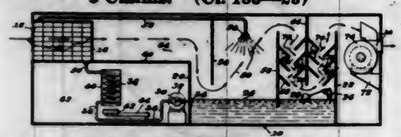
2. A drafting-board holder adapted to be supported at the underside of a table top so that it may be slid thereunder out of view when not in use, said holder comprising a pair of slideways adapted to be secured to the underside of the table top in parallel spaced apart relation, a runner slidably mounted in each of the said slideways, a drafting board supporting frame tiltably pivoted at the forward end of the runners, a guide carried by the supporting frame, a pivotally mounted rod carried by the runners spaced rearwardly of the platform, said rod passing slidably through the guide, and means for tightening the rod in the guide when in desired tilted position.

2,256,373
FOCUSING CAMERA
Chester W. Crumrine, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application February 16, 1940, Serial No. 319,304
2 Claims. (Cl. 95—45)



1. In a camera including an exposure frame across which film may lie in position to receive an exposure, the combination with a camera body, of a screw-out extensible front threaded to the camera body, an objective carried by the screw-out front, an abutment carried by the screw-out front, a first shaft pivotally mounted on the camera having an axis transverse to the axis of the objective, a lever arm carried by the first shaft and projecting into the path of movement of the abutment on the screw-out front, a two part focus indicator comprising a scale and pointer, one part fixedly attached to the camera, a second shaft for carrying the other part of the focusing scale, a gear on the shaft, and, a gear segment carried by the first shaft and meshing with the pinion, a stop and spring for determining a position of rest for the first shaft, said shaft being movable from the position of rest by the screw-out front abutment when said front is moved for focusing the objective.

2,256,374
METHOD OF HUMIDIFYING AIR
William Warren Cummings, Jr., Marshfield, Mass.
Application September 24, 1940, Serial No. 358,116
3 Claims. (Cl. 183—23)



1. The method of humidifying air in a controlled area, which comprises heating water and a volume of air causing intimate contact between said heated air volume and water whose temperatures are such that the evaporated water absorbed by said air volume has a vapor pressure of more than an inch of mercury, and then bring said high pressure vapor into contact with said controlled area, whereupon vapor flows from the former to the latter independently of any air motion until equal vapor pressure prevails in the contacting air masses, said high pressure vapor having sufficient heat in latent form as not to noticeably change the temperature of the controlled area.

2,256,375
INSULATED CAR WALL
Charles D. Bonsall, Pittsburgh, Pa., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application July 9, 1938, Serial No. 218,450
13 Claims. (Cl. 189—34)

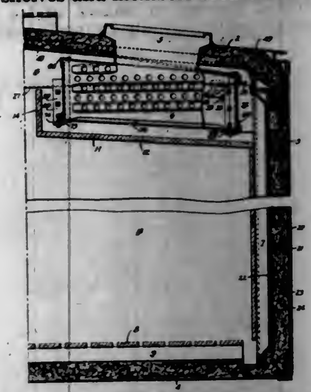


4. A wall for a refrigerator car comprising a lower sheet, a stringer above said lower sheet, an insulating piece mounted upon said stringer, insulation above said lower sheet and adjacent said stringer, a pair of upper sheets, attaching means to secure said upper sheets to said insulating piece, said upper sheets being welded together at their adjacent edges independently of said means, and a protecting piece also secured to said insulating piece and forming a part of a wall structure which at least partially encases a space positioned adjacent the weld to prevent said insulation from being ignited by the heat of welding.

2,256,376
REFRIGERATOR CAR STRUCTURE
Charles D. Bonsall, Pittsburgh, Pa., assignor to Standard Railway Devices Company, a corporation of Delaware
Application July 24, 1939, Serial No. 286,138
13 Claims. (Cl. 62—17)

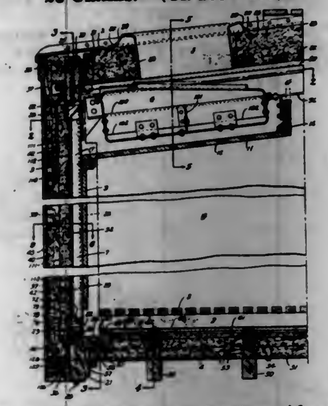
1. In a refrigerator car, a wall, spaced apart

carlines each secured at one end thereof to said wall, a refrigerant container between said carlines, brackets fixedly secured to said carlines having outwardly projecting substantially horizontal shelves and members secured to said con-



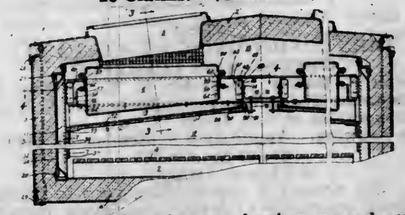
tainer having substantially horizontal feet which rest upon said shelves to support said container, said feet and shelves being arranged to be disengaged upon lateral movement of said container after which said container may be moved vertically out of position.

2,256,377
REFRIGERATOR CAR
Charles D. Bonsall, Chicago, Ill., assignor, by mesne assignments, to Standard Railway Devices Company, a corporation of Delaware
Application December 11, 1939, Serial No. 308,535
23 Claims. (Cl. 105—409)



1. In a refrigerator car having side sill and side plate, vertical posts extending between and secured to said sill and plate, vertical nailing strips spaced outwardly from said posts in substantially the same transverse vertical plane therewith, means to secure the upper and lower ends of said nailing strips to said plate and sill, respectively, sheathing secured to said nailing strips, lining secured to the inner sides of said posts, means forming a flue adjacent said lining and extending substantially between said posts, and insulation between said sheathing and said flue and between said nailing strips and said posts.

2,256,378
REFRIGERATOR CAR
Charles D. Bonsall, Chicago, Ill., assignor to Standard Railway Devices Company, a corporation of Delaware
Application January 13, 1940, Serial No. 313,683
16 Claims. (Cl. 62—17)



1. In a refrigerator car having spaced apart walls and a roof, spaced apart carlines extending between and secured to said walls, a purline extending between and secured to said carlines in spaced relation to said walls, said purline and carlines cooperating to form a framework to retard weaving of the car, a refrigerant container disposed between said purline and one of said walls and between said carlines, means providing a detachable support for said container comprising a member secured thereto and extending between said carlines, said member having a depending leg spaced from a side wall of said container and means associated with said carlines to support said member, a drip pan below said container extending between said purline and said last mentioned car wall and an aperture in said container opposite said leg whereby liquid splashing from said container through said aperture is directed by said leg to said drip pan.

2,256,379
TRACTION WHEEL AND CLEAT THEREFOR
Paul Chaffin, Washington Court House, Ohio, assignor to John H. Hoppes, Washington Court House, Ohio
Application August 29, 1939, Serial No. 292,496
9 Claims. (Cl. 301—50)



1. A tractor wheel comprising spaced rim members, spaced sets of transversely extending bars joining said rim members, a cleat removably positioned in the space between the bars of each set, said cleats each having a body portion, a sharpened projection on one side of said body portion, a resilient pad on the opposite side of said body portion, lug means projecting from opposed sides of said body and engaging said bars, and means removably received by said rims and cleats for holding said lug means in engagement with said bars.

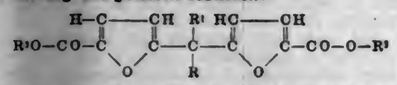
2,256,380
YARN CONDITIONING
Joseph B. Dickey, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application September 18, 1940, Serial No. 357,302
7 Claims. (Cl. 28—1)

1. A yarn conditioning composition containing

as its essential conditioning component a surface-active agent consisting of a compound prepared by reacting a hydroxy alkylated derivative of a carbohydrate with an agent selected from the group consisting of phosphating and phosphiting agents.

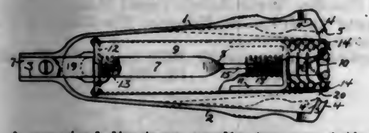
2,256,381
YARN CONDITIONING PROCESS AND COMPOSITIONS THEREFOR
Joseph B. Dickey, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application September 25, 1940, Serial No. 358,291
16 Claims. (Cl. 28—1)

1. The process of conditioning yarn to render it more amenable to textile operations including knitting, weaving, spinning and the like which comprises applying thereto a lubricating and softening composition containing as its essential lubricating and softening component an ester of alpha, alpha-carboxy-α',α' difuryl methane having the general formula:



wherein R and R^1 are substituents selected from the group consisting of hydrogen and alkyl, alkylene, aryl, cycloalkyl and heterocyclic groups, and wherein R^2 and R^3 are substituents selected from alkyl, alkylene, cycloalkyl, aryl and heterocyclic groups.

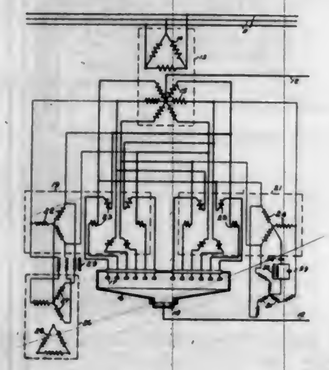
2,256,382
SURGICAL LIGATURE APPLICATOR
Paul D. Dole, Fort Wayne, Ind., assignor of one-half to Edward H. Kruse, Fort Wayne, Ind.
Application March 6, 1939, Serial No. 260,097
7 Claims. (Cl. 1—49.1)



1. A surgical ligature applicator consisting of tweezers having a base and convergent jaws, and provided with a magazine holder, a magazine stop and a spring tongue for retaining a magazine in said holder against said stop, in combination with a clip-holding magazine removably secured in said holder having an opening in its front end and lateral inturned shoulders adjacent said opening to detain the clips contained in said magazine in position to be clinched, and provided with spring actuated means to move said clips against said shoulders, said jaws being disposed to clinch said clips successively upon operation of the tweezers when the magazine is in place and simultaneously move the unclinched clips backwardly to afford clearance for the clip being clinched.

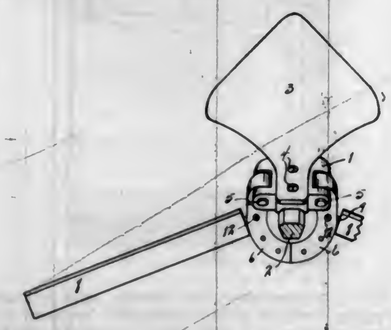
2,256,383
ELECTRIC CURRENT CONVERTING SYSTEM
Isadore K. Dortort, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application April 10, 1939, Serial No. 267,069
25 Claims. (Cl. 175—363)

1. In an electric current converting system, the combination with a polyphase alternating current circuit, a direct current circuit, a transformer comprising a winding connected with said alternating current circuit and a winding divided into portions forming a polyphase system of a predetermined number of phases, and a plurality of electric valves serially connected with said



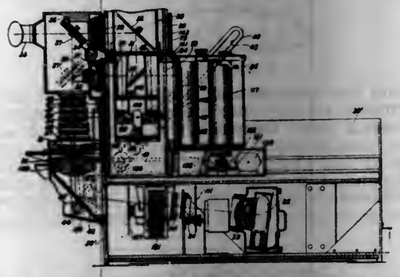
phase portions across said direct current circuit, of means connected with said valves acting independently of the flow of current through said valves for causing the voltages impressed on said direct current circuit through said valves to form a polyphase system having a number of phases greater than the first said number of phases.

2,256,384
ATTACHMENT FOR CULTIVATORS AND THE LIKE
Horace G. Dyer, Fort Worth, Tex., assignor to Robert E. Collier, Fort Worth, Tex.
Application September 8, 1939, Serial No. 295,122
3 Claims. (Cl. 97—205)



1. An attachment for cultivators and the like consisting of a collar formed into three sections, one of said sections being rigidly attached to the standard of a cultivator, each of the other two sections of said collar being pivotally connected to the said first named section and adapted to encase said standard, and means for adjustably securing sweeps in various portions of the outer periphery of each of said pivotally connected sections of said collar.

2,256,385
PROJECTION PRINTER
Ralph M. Evans and Benjamin E. Lubosher, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application August 7, 1940, Serial No. 351,762
11 Claims. (Cl. 88—24)



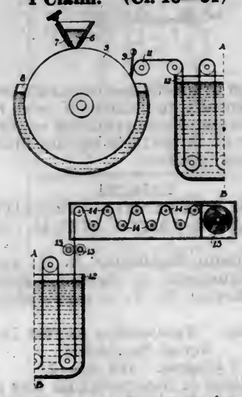
1. A projection printer for making a color print from a color transparency comprising a gate for holding the transparency, means for illuminating the transparency gate, a gate for holding color sensitive material upon which the print is to be made, a lens for focusing an image of the transparency gate on the print gate, a viewing screen substantially at right angles to the print gate, a removable mirror in front of the print gate for reflecting the image to said viewing screen, means for illuminating with substantially white light the borders of the screen which surround the image whereby the color of the image may be compared with that of the borders, color filters positionable in the light beam forming the image on the screen for altering the overall hue of said image to a natural hue compared with the white borders, means for moving said filters in and out of said light beam and a supporting housing for said gates, said illuminating means, said lens, said mirror, said viewing screen, and said filters and filter moving means.

2,256,386
HOSE CONSTRUCTION
John F. P. Farrar, Barrington, and Axel Fredrick Johnson, Chicago, Ill., assignors to Chicago Metal Hose Corporation, Maywood, Ill., a corporation of Illinois
Application December 27, 1938, Serial No. 247,874
2 Claims. (Cl. 138—58)



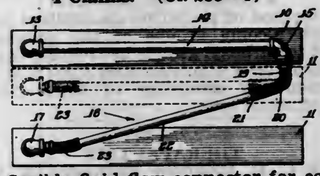
1. A flexible hose construction comprising a flexible metal core, said core being formed of a spirally wound metal strip, fibered glass packing arranged within the convolutions of the core, a wall of cellulose encompassing the core, a spirally wound binding member encompassing the cellulose wall and serving to hold the same in sealing engagement with the edges of the spiral metal strip, an insulating wall of flexible fibered glass encompassing the cellulose, and a protecting wall encompassing the glass wall.

2,256,387
METHOD OF PREPARING CELLULOSE ACETATE FILMS
Edward S. Farrow and Stewart J. Carroll, Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Original application March 18, 1929, Serial No. 347,813. Divided and this application June 14, 1930, Serial No. 461,115
1 Claim. (Cl. 18—51)



The method of rapidly seasoning sheets containing cellulose acetate which includes the steps of bathing in slightly diluted methanol and subsequently drying said sheets.

2,256,388
FLEXIBLE TUBING CONNECTION
David Wendell Fentress, Hubbard Woods, Ill., assignor to Chicago Metal Hose Corporation, Maywood, Ill., a corporation of Illinois
Application December 6, 1938, Serial No. 244,223
4 Claims. (Cl. 285—8)

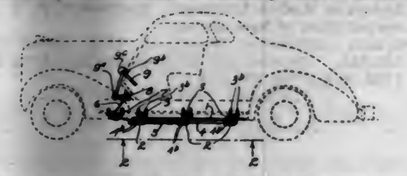


1. A flexible fluid flow connector for connecting relatively movable parts of machines, said connector comprising a conduit having generally horizontally disposed outflow and inflow sections connected by a bight portion, one of said sections being a rigid pipe rigidly connected to one of said machine parts whereby to prevent the conduit from sagging, and the other of said sections being connected to the other of said machine parts and including a flexible tubing whereby to accommodate for the relative movement between the machine parts.

2,256,389
VEHICLE DROP RUNNING BOARD
Charles O. Griffith, San Diego, Calif.
Application May 29, 1939, Serial No. 276,307
3 Claims. (Cl. 280—166)

1. In a vehicle drop running board of the class described, the combination of a plurality of brackets each provided with perforations forming latch portions and secured to the frame of

the vehicle, second brackets provided with perforations forming latch portions and each pivotally connected to one of said first mentioned brackets intermediate said latch portions and extending therefrom, a running board secured



to said second brackets and separate dowel latch means reciprocally mounted on said first mentioned brackets and cooperatively connected with the perforate latch portions of said first and second mentioned brackets.

2,256,390

METHOD OF PREVENTING PRECIPITATION OF ALKALINE-EARTH METAL SALTS IN GELATIN

Edward Hewitson, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application August 19, 1936, Serial No. 96,855

2 Claims. (Cl. 95—7)

1. The method of incorporating wax in a gelatin photographic emulsion, which comprises adding an alkali metal salt of hexametaphosphoric acid to the gelatin emulsion, and mixing the wax emulsion with the gelatin emulsion.

2,256,391

METHOD FOR PREPARING OXIDIZED CELLULOSE

Gordon D. Hiatt, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application December 5, 1940, Serial No. 368,962

5 Claims. (Cl. 260—212)

1. A method of preparing an oxidized cellulose in which alcohol groups of the cellulose are oxidized to carboxyl groups by treating the cellulose with at least approximately 4 parts of a mixture essentially consisting of liquid NO_2 and 5–15% of nitric acid.

2,256,392

THERAPEUTICS

Kenneth C. D. Hickman, Rochester, N. Y., assignor to Distillation Products, Inc., Rochester, N. Y., a corporation of Delaware

No Drawing. Application October 14, 1939 Serial No. 299,523

6 Claims. (Cl. 260—412.1)

1. The process which comprises extracting an oil from fish tissue by means of a solvent which has been freed of all volatile constituents by high vacuum distillation and which substantially contains only constituents having a lower vapor pressure than the vitamins contained in the fish tissue being extracted.

2,256,393

COOLING THE CHARGE OF INTERNAL COMBUSTION ENGINES

Friedrich Klein, Dessau, Germany, assignor to Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft, Dessau, Germany

Application May 27, 1938, Serial No. 210,367

In Germany July 5, 1937

5 Claims. (Cl. 244—134)

1. An arrangement of the character described comprising a hollow member mounted upon a vehicle facing its normal direction of travel, means forming two compartments one behind the other in said member, a wall of the front compartment being spaced from said member and extending parallel with and adjacent the leading side of the latter whereby a conduit is formed



within the member and around said front compartment, an inlet into the latter for the passage of heated gases thereinto, the front wall of said front compartment being apertured for the passage of said gases towards said leading side into said conduit, the latter terminating in said other compartment, and means in said other compartment forming an outlet therefrom for said gases.

2,256,394

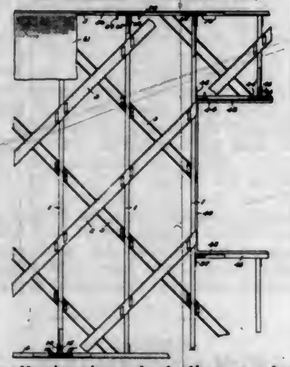
FABRICATED METAL WALL

Edward G. Lamel, Los Angeles, Calif.

Application February 24, 1936, Serial No. 65,369

Renewed May 22, 1939

15 Claims. (Cl. 189—34)



7. A wall structure including a plurality of columns, a sill member mounting the lower ends of said columns, a plate member mounted at the upper ends of said columns, said sill and column members having means for anchoring the lower ends of said columns, said plate having an upwardly extending lip on at least one side thereof, and a reinforcing sheet having a downwardly folded portion for engaging said upturned lip to support the sheet on the plate member.

2,256,395

GAS ANALYSIS APPARATUS

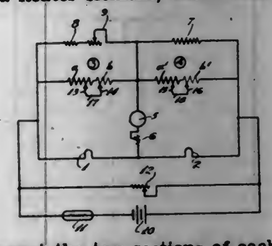
Hans Laub, Millburn, N. J., assignor to Charles Engelhard, Inc., Newark, N. J., a corporation of New Jersey

Application February 25, 1939, Serial No. 258,504

5 Claims. (Cl. 73—51)

1. In a gas analysis apparatus, a Wheatstone bridge having two heater elements and two ratio elements, said heater elements being made from a material having a high temperature coefficient of electrical resistance, each of said ratio elements having two sections one of which sections has a temperature coefficient of electrical resistance greater than that of the heater element and the other of said sections having a temperature coefficient of electrical resistance smaller than

that of the heater elements so that the combined temperature coefficient of electrical resistance of both of said sections will be substantially equal to that of a heater element, and means to adjust-



ably connect the two sections of each ratio element to vary the electrical resistance and the temperature coefficient of the electrical resistance of said element.

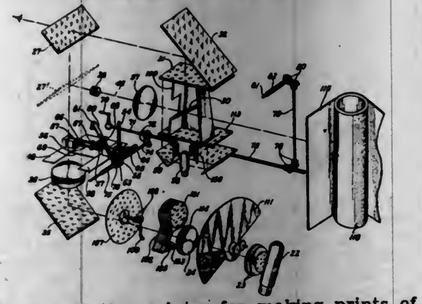
2,256,396

PROJECTION PRINTER

Benjamin E. Luboshez, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application August 7, 1940, Serial No. 351,761

14 Claims. (Cl. 88—24)



1. A projection printer for making prints of one width from transparent photographic records of different widths comprising a horizontal gate for holding a record, means for illuminating the record from below, a vertical gate of constant width for holding photosensitive material upon which prints are to be made, a reflector and a lens above the record gate for focusing an image of the record in the vertical gate, means for moving both gates relative to the lens and reflector for varying the magnification, lever means coupling the two gates for automatically maintaining focus as the gates are moved, width masking means on the record gate, and means operated by the movement of this gate for adjusting said width masking means and maintaining it at a width equal to said constant width divided by the magnification.

2,256,397

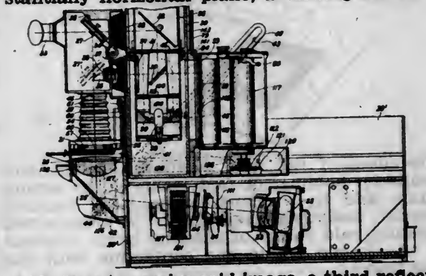
PROJECTION PRINTER

Benjamin E. Luboshez, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application August 7, 1940, Serial No. 351,763

11 Claims. (Cl. 88—24)

1. A projection printer for making a print from a transparent photographic record comprising a horizontal gate for holding the record, means for illuminating the record from below, a vertical gate for holding photosensitive material upon which the print is to be made, a reflector and a lens above the record for receiving light from the record and focusing an image of the record on said vertical gate, a removable reflector positionable a fixed distance in front of the vertical gate for reflecting said image upward to a substantially horizontal plane, a viewing screen in



said plane to receive said image, a third reflector above the viewing screen for reflecting the light therefrom horizontally back over the record and first-mentioned reflector whereby the image on the viewing screen may be viewed horizontally from a position above and near the horizontal record holding gate.

2,256,398

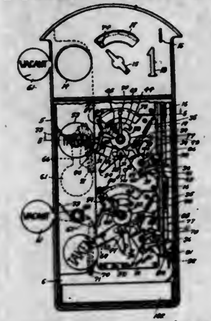
PARKING METER

Louis V. Lucia, West Hartford, Conn., assignor to The Standard Meter Corporation, Hartford, Conn., a corporation of Connecticut

Application March 4, 1936, Serial No. 67,029

Renewed January 12, 1940

4 Claims. (Cl. 194—73)



3. A free-time, pay-time parking meter having a signal, timing mechanism for operating the signal selectively at the end of a relatively short free-time period or at the end of a relatively longer pay-time period, manually actuated means for setting the timing mechanism and normally operable to set it for the relatively short free-time period, and coin controlled means associated with said manually actuated means for causing its operation to set the timing mechanism for the relatively longer pay-time period.

2,256,399

MAILING CARD

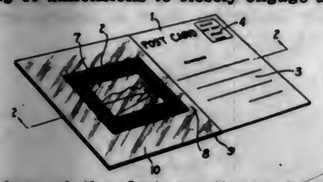
John B. MacHarg, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application January 24, 1939, Serial No. 252,624

2 Claims. (Cl. 88—26)

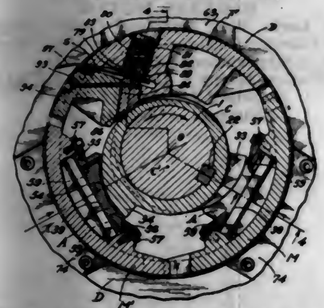
1. A lantern slide and frame therefor com-

prising a picture-carrying element, a frame of uniform thickness supporting the picture-carrying element and having predetermined outside dimensions, and a second frame of substantially the thickness of the first frame and including an opening of dimensions to closely engage the out-



side edges of the first mentioned frame, and means for holding the first frame in the second frame and in a plane substantially parallel thereto, comprising two sheets of transparent sheeting, said sheets of sheeting being attached to the second frame and contacting with the first frame.

2,256,400
REEL
Percy W. Matthews, North Kingsville, Ohio, assignor to The Aetna Standard Engineering Company, Youngstown, Ohio, a corporation of Ohio
Application April 2, 1940, Serial No. 327,483
17 Claims. (Cl. 242—78)



13. In a reeling apparatus for strip material, a shaft, a collapsible reel on said shaft, said reel including segments rotatable through a limited degree of movement relative to said shaft, means operable by said relative rotation for effecting expansion of said reel, a motor for driving said shaft, means for progressively accelerating and decelerating said motor from and to its stopped position, a brake effective on said segments to retard rotation thereof, means for applying said brake as said motor is decelerated and maintaining the brake applied while the motor is stopped, and means for releasing said brake after said motor and shaft have started to rotate.

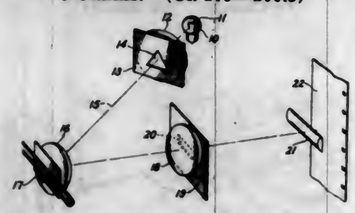
2,256,401
FASTENER
Hamilton Maze, Peru, Ill., assignor to W. H. Maze Company, Peru, Ill., a corporation of Illinois
Application June 27, 1940, Serial No. 342,671
5 Claims. (Cl. 85—20)

1. A building nail of the character described comprising a small-diameter elongated pointed shank having a rolled high-pitch, helical, multiple thread, each thread being symmetrical in cross section and having a substantially sharp peak line, said shank being symmetrically concave between the peak lines of adjacent threads, each thread having a series of closely spaced projecting shoulders distributed along the lag side thereof with their outer ends terminating



at the said peak line and their inner ends tapering toward, and terminating short of, the center line of the concavity between adjacent peak lines.

2,256,402
VARIABLE DENSITY SOUND RECORDING
John H. McLeod and Otto Sandvik, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application April 9, 1940, Serial No. 328,714
8 Claims. (Cl. 179—100.3)

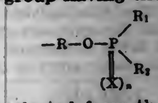


1. A variable density sound recording system comprising a film plane through which a sensitive film strip may be moved vertically, a galvanometer mirror adapted to oscillate about a horizontal axis in accordance with the sound frequencies to be recorded, a light source having a filament, a condenser lens positioned between the source and the mirror for focusing an image of the filament substantially on the mirror, an apertured mask near the condenser lens, the aperture varying continuously in transmission from top to bottom thereof, a lens consisting of at least one positive element near the mirror for focusing between the mirror and the film plane an aerial image of said aperture, a second mask substantially at said aerial image having a horizontal slit for transmitting a section of the aerial image, a positive lens adjacent to the second mask of such power that the mirror and the film plane are substantially conjugate relative thereto and a cylindrical lens with its cylindrical axis horizontally positioned near the film plane for focusing therein a horizontal image of said slit.

2,256,403
ACRIDINE COMPOUNDS AND MATERIAL COLORED THEREWITH
James G. McNally and Joseph B. Dickey, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application June 13, 1940, Serial No. 340,365
11 Claims. (Cl. 260—279)

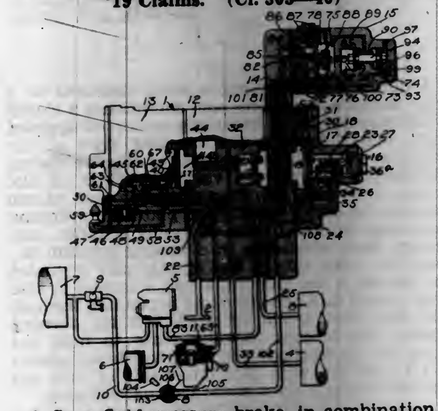
1. The 3,6-diaminoacridine compounds having at least one of the amino group hydrogens sub-

stituted by a group having the general formula:



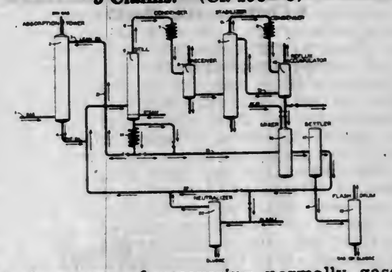
wherein n is selected from the group consisting of zero and the numeral 1, R represents an alkylene group, R_1 and R_2 each represents a member selected from the group consisting of an amino group, an alkylamino group, and the group —OZ, wherein Z represents a member selected from the group consisting of hydrogen, an alkyl group, and an alkali forming metal, and X represents a member selected from the group consisting of an atom of oxygen, and an atom of sulphur.

2,256,404
FLUID PRESSURE BRAKE MEANS
Donald L. McNeal, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application August 31, 1940, Serial No. 354,943
19 Claims. (Cl. 303—40)



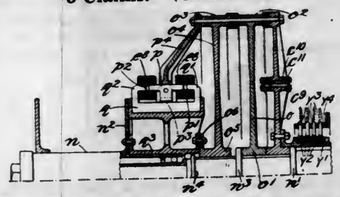
1. In a fluid pressure brake, in combination, a brake pipe, a communication to which fluid under pressure is adapted to be supplied for effecting an application of the brakes at a rate dependent upon the rate of such supply, brake controlling means operative upon a reduction in brake pipe pressure to supply fluid under pressure for supply to said communication at a rate dependent upon the rate of brake pipe reduction, choke means disposed between said brake controlling means and said communication and operative to restrict the flow of fluid supplied from said brake controlling means to said communication, means for establishing a by-pass communication around said choke means to provide for flow of fluid to said communication in accordance with the rate of supply of fluid under pressure by said brake controlling means, and delay valve means controlled by two opposing fluid pressures, both of which are established by said brake controlling means, said delay valve means being operative to close said by-pass communication when said brake controlling means operates in response to an emergency rate of reduction in brake pipe pressure, and being operative to open said by-pass communication when said brake controlling means, in response to a reduction in brake pipe pressure at a rate less than an emergency rate, operates to supply fluid under pressure at a rate the flow of which to said communication would be restricted by said choke means.

2,256,405
RECONDITIONING OF ABSORPTION OILS
Wallace A. McMillan, Elmhurst, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application December 5, 1939, Serial No. 307,558
5 Claims. (Cl. 196—8)



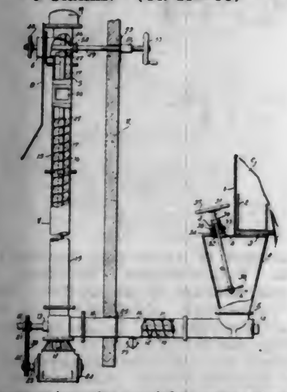
1. A process of recovering normally gaseous petroleum hydrocarbons, including propane, from a gas mixture by absorption, which comprises continuously absorbing said hydrocarbons in an absorption oil to produce an enriched oil, passing the enriched oil to a still, subjecting the enriched oil to distillation therein to remove absorbed hydrocarbons, withdrawing lean oil from which the hydrocarbons have been removed, segregating from the removed absorbed hydrocarbons a liquefied fraction comprising predominantly propane, mixing at least a portion of the absorption oil from which the absorbed hydrocarbons have been removed with said segregated fraction in amount sufficient to precipitate tarry constituents contained therein, maintaining the mixture at a temperature substantially above atmospheric, removing the resulting precipitate, mixing the remaining solution of purified absorption oil in solvent with the enriched oil passing to said still, subjecting the mixture to distillation to effect simultaneous vaporization of normally gaseous hydrocarbons from both the purified oil and the enriched oil, and returning the lean absorption oil, including that from which tarry constituents have been removed, to the absorption cycle.

2,256,406
TRANSMISSION DYNAMOMETER
Neil Shaw Muir, Farnborough, England
Original application February 15, 1937, Serial No. 125,914. Divided and this application August 9, 1938, Serial No. 223,987. In Great Britain February 21, 1936
8 Claims. (Cl. 265—1)



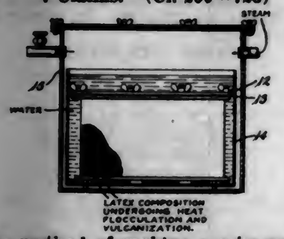
1. In a thrust dynamometer for power transmission mechanism, the combination with two transmission elements of the transmission mechanism, of two resilient members connected between the transmission elements so that the thrust to be measured is transmitted through them in series, damping means connected across one resilient member, and measuring means connected across the other resilient member to measure the deflection thereof.

2,256,407
CONVEYING APPARATUS FOR GAS GENERATORS
Maurice O'Brian, Indianapolis, Ind., assignor to The Prest-O-Lite Company, Inc., a corporation of New York
Application June 29, 1938, Serial No. 216,444
8 Claims. (Cl. 48—53)



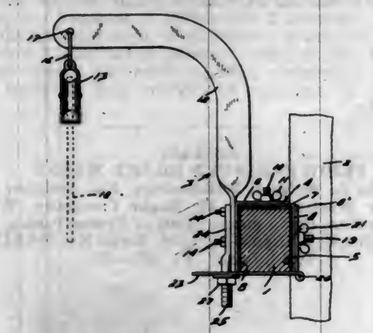
1. In apparatus for safely conveying finely-divided material between the interior of a combustible gas generator and a point outside such generator, a conveyor housing disposed substantially vertically and having an outlet adjacent the upper end thereof; and means for positively moving such finely-divided material upwardly in said conveyor housing to a predetermined level which is a sufficient distance below said outlet so that a gas-sealing column of such material will be automatically maintained within said conveyor housing between said predetermined level and said outlet as such material is pushed upwardly from said predetermined level to said outlet only by the force of the material being moved upwardly from beneath said predetermined level.

2,256,408
METHOD OF MAKING MICROPOROUS RUBBER ARTICLES
Edward G. Partridge, Stow, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application September 11, 1936, Serial No. 100,333
7 Claims. (Cl. 260—723)



1. The method of making a microporous rubber product which comprises preparing a stable, flowable latex composition in an unvulcanized but vulcanizable condition by admixing only Hevea latex and compounding ingredients, including vulcanizing agents, of such character as not materially to impair the stability of the composition, placing an appropriate quantity of the flowable composition in a mold, and progressively flocculating the composition and vulcanizing the rubber under conditions prohibiting substantial escape of water from the composition, the flocculation and vulcanization being effected solely by heating the composition, the heating being initiated while the composition is in a flowable condition and being continued until a solid, vulcanized microporous product is obtained.

2,256,409
SUPPORT FOR HOISTS
Anthony Pucci, Taftville, Conn.
Application January 30, 1941, Serial No. 376,686
1 Claim. (Cl. 248—226)



A device for attaching a hoist standard to a cross bar of a telephone pole comprising a clamp of rectangular form including a pair of opposed angle plates forming the top and sides of the clamp and connected together for relative sliding adjustment laterally to vary the width of the clamp, a bottom forming plate for said clamp mounted on one of said pair of plates for swinging movement into and from clamping relation, said bottom plate extending in clamping position beyond the outer side of one of said pair of plates and having a slot therein, a bolt attached to said outer side of said one plate and depending through said slot, and a nut on said bolt for turning against the bottom forming plate to hold the latter in clamping position, said bolt being adapted for coaction with said outer side of said one plate to clamp a hoist standard therebetween.

2,256,410
ABDOMINAL BODY BRACE
Philip Hillard Robbins, New York, N. Y., assignor to Poirette Corsets, Inc., New York, N. Y.
Application May 29, 1940, Serial No. 337,913
5 Claims. (Cl. 2—41)



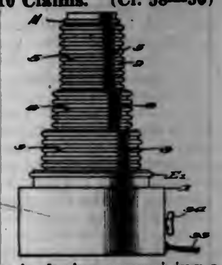
1. A bracing belt for the purpose set forth comprising an elastic endless form fitting element for encompassing the body of the wearer and including a front, back and sides, superposed spaced endless elastic resistance elements of strap-like form disposed circumferentially of and secured to said form fitting element, each of the lower ones of the said resistance elements being formed with a front pair of oppositely extending downwardly inclined parts merging at their lower ends into each other at the vertical median of said front, and each of the said lower ones of the said resistance elements being formed with a rear pair of oppositely extending downwardly inclined parts merging at their lower ends into each other at the vertical median of the back.

2,256,411
GUN SIGHT AND MOUNTING
George D. Russell, Yscleta, Tex.
Application October 31, 1940, Serial No. 363,749
6 Claims. (Cl. 33—47)



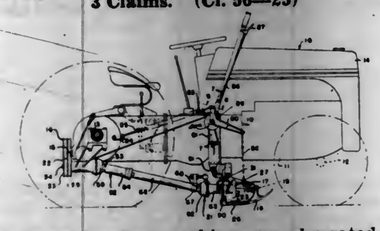
1. A gun sight comprising shell members mounted adjacent the ends of a gun barrel, ring members detachably mounted in said shell members, each of the ring members being provided with a pair of converging supporting arms, and a semi-circular sighting element connected at its ends to the adjacent ends of a pair of said supporting arms and disposed concentrically within the ring, the sighting element of one of the rings being disposed above the axis thereof and the sighting element of the other ring being disposed beneath the axis of the last mentioned ring so that the sight elements will combine to appear to the shooter as a circle when the sights are alined with a target.

2,256,412
HOROLOGIC INSTRUMENT
James A. W. Scott, Buffalo, N. Y.
Application April 24, 1939, Serial No. 269,725
10 Claims. (Cl. 58—50)



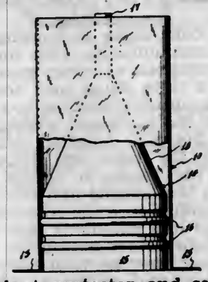
9. A horologic device comprising a plurality of elongated illuminating bands spaced apart laterally and adapted to represent different periods of time, and time controlled means for regulating the illumination of the respective bands.

2,256,413
MOWER STRUCTURE
Howard W. Simpson, Dearborn, Mich., assignor to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan
Original application January 22, 1940, Serial No. 315,112, now Patent No. 2,245,448, dated June 10, 1941. Divided and this application May 20, 1940, Serial No. 336,284
3 Claims. (Cl. 56—25)



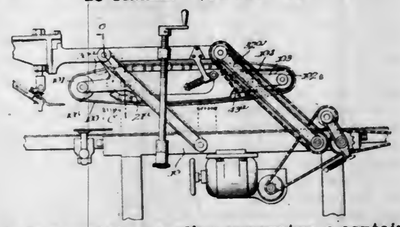
1. In a mowing machine, an elongated upright bracket attachable at its lower end to a tractor and provided at its upper free end with a laterally projecting portion having on the upper side thereof an upstanding toothed sector, a stub shaft projecting laterally from the bracket intermediate its ends in spaced substantially parallel relation to the laterally projecting portion aforesaid, means including a spring-actuated lever on the stub shaft for constantly urging a mowing arm of the machine upwardly, said lever having an offset portions, means including a hand lever on the stub shaft adjacent the free end of the laterally projecting portion of the bracket engageable with the offset portion of the spring-actuated lever for lifting such mowing arm, and means including a latch carried by the hand lever and engageable with the toothed sector portion of the bracket to control swinging movement of the hand lever on the stub shaft, the offset portion of the spring-actuated lever being engageable with the hand lever to limit downward movement of the mowing arm.

2,256,414
SEED GERMINATOR AND PLANT COVER
William V. Stahl, Glendale, Calif.
Application June 27, 1940, Serial No. 342,803
3 Claims. (Cl. 47—28)



3. In a plant protector and setting form, a tubular cover member of light, flexible material, a form for receiving and shaping said tube member to provide a tapered hood portion at the upper end thereof, and a supporting member disposed within said tube member and connected to its upper, closed end for mounting the cover member over a plant.

2,256,415
CONTAINER SEALING APPARATUS
Robert J. Stewart, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application August 19, 1938, Serial No. 225,799
18 Claims. (Cl. 226—80)

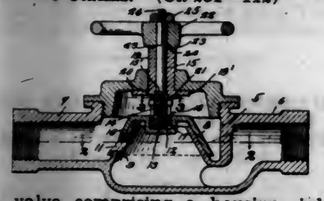


1. In a container sealing apparatus, a container moving means, a support spaced above said means, an endless sealing element movable along said support, and means to urge said endless seal-

ing element bodily downwardly along a line extending diagonally toward the infeed portion of said container moving means.

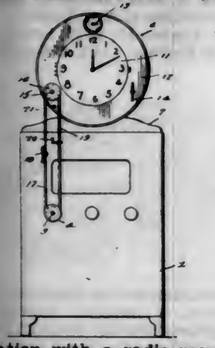
18. In a container sealing apparatus, a base, means to move containers along said base, a support spaced above said base, rotatable elements carried by said support, an endless sealing element formed of rigid links movable about said rotatable members, a second pair of rotatable elements each positioned outwardly of said first named rotatable elements, and a belt of flexible material movable about said second rotatable elements and with and upon the surface of said endless element.

2,256,416
VALVE
Jesse R. Stockstill, Sacramento, Calif.
Application March 31, 1941, Serial No. 386,157
3 Claims. (Cl. 251—112)



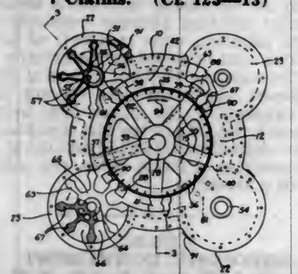
1. A valve comprising a housing, inlet and outlet pipes communicating with the housing, a valve seat having an opening, mounted within the housing, a valve fitted over the valve seat and having an opening adapted to register with the opening of the valve seat whereby fluid may pass through the valve housing, said valve having a recess in the upper end thereof, lugs extending into the recess, a rotary valve stem extending into the housing and having a slotted inner end extending into the recessed portion of said valve, said lugs extending into the slots of the stem whereby rotary movement of the stem produces a rotary movement of the valve, opening and closing said valve, a rod extending through the valve stem, a coiled spring disposed between the end of the rod and valve and adapted to exert pressure on said valve holding the valve to its seat, and means at the lower end of the rod and operated by said rod for adjusting the tension of said spring.

2,256,417
RADIO CLOCK
Silas Sturgel, Banner, Ky., assignor of one-half to Otto Hall, Wheelwright, Ky.
Application April 11, 1940, Serial No. 329,154
1 Claim. (Cl. 250—20)



In combination with a radio receiving set of the type including a switch and volume control shaft, a pulley fixed on said shaft, a time clock comprising an alarm including a shaft, a pulley fixed on the second named shaft, an endless belt trained over the pulleys for operatively connecting the first named shaft to the alarm for actuation thereby, and a stop adjustably mounted on the belt for regulating the travel thereof.

2,256,418
ROTARY ENGINE
Eldred A. Switzer, Vancouver, British Columbia, Canada
Application May 24, 1939, Serial No. 275,559
7 Claims. (Cl. 123—13)



4. In a rotary engine, the combination comprising, a casing, a rotor rotatably mounted in the casing centrally thereof, an annular chamber formed between the rotor and the periphery of the casing, a plurality of lobes projecting outwardly from the rotor slidably fitting between the walls of the annular chamber, compression and exhaust chambers on the casing each communicating with the interior thereof, a star wheel mounted in each chamber, each star wheel having a plurality of radiating blades forming pockets therebetween, said blades projecting into the casing to engage the periphery of the rotor as the wheel rotates, means for normally holding one blade of each wheel in engagement with the rotor, means for intermittently rotating the wheels in the direction of movement of the rotor, each wheel being rotated with a lobe fitting snugly into one of its pockets until the next blade engages the rotor, said lobes being spaced from the inner ends of the pockets, an inlet port for supplying fuel to a pocket of the compression wheel after it has rotated, means for igniting said fuel, and an exhaust port adjacent the exhaust wheel through which exhaust gases are expelled up to the time said exhaust wheel rotates.

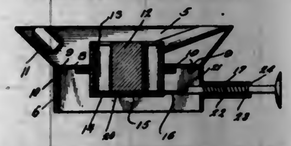
2,256,419
KNOB CONNECTION OR THE LIKE
George A. Tinnerman, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application January 8, 1940, Serial No. 313,003
11 Claims. (Cl. 287—53)



1. In a connection of a shaft having a flat side face and an operating member provided with a recess receiving said shaft, a spring collar connecting device comprising a section of sheet

metal providing a hollow, generally tubular body defining a plurality of cooperating bearing surfaces spaced by a substantial rib, said rib projecting outwardly of said generally tubular body and being adapted to frictionally engage the wall of said recess in the operating member with said cooperating bearing surfaces defining a socket opening receiving the shaft in resilient, gripping engagement therewith, one of said bearing surfaces comprising a substantially flat portion having nonrotatable abutting relation with said flat side face of the shaft.

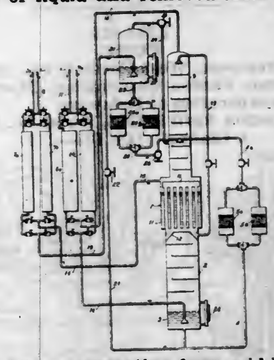
2,256,420
CIGARETTE EXTINGUISHER
Charles A. T. Agee, Collingswood, N. J.
Application May 2, 1940, Serial No. 333,029
2 Claims. (Cl. 131—235)



1. In a cigarette extinguisher, a tray adapted to be positioned on a receptacle and provided in the center of its bottom with a block having vertical through apertures, said block having a portion projecting above the bottom and another portion projecting below the bottom and the apertures being arranged in transverse rows in the block, a shuttle plate for said apertures slidably mounted on the bottom side of said block and having a transverse slot therein, said shuttle plate having a push and pull rod extending therefrom, a spring device connected with the rod yieldably urging the shuttle plate to a position where the slot is in a position located between two rows of apertures with solid portions of the plate closing the lower ends of the apertures and a stop on the rod for engaging a part of the block, when the rod is pushed inwardly, to move the plate to a position where the slot will uncover the lower end of one row of apertures while a portion of the plate ceases to cover the lower end of another row of apertures.

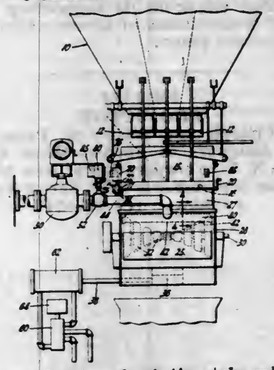
2,256,421
PROCESS FOR THE SEPARATION OF AIR BY LIQUEFACTION AND RECTIFICATION
Philipp Borchardt, Solln, near Munich, Germany, assignor to Gesellschaft für Linde's Eismaschinen A. G., Hoellriegelskreuth, near Munich, Germany
Application June 23, 1938, Serial No. 215,472
In Germany February 23, 1935
6 Claims. (Cl. 62—175.5)

1. A process for the separation of mixtures of gases having relatively low boiling points and containing also relatively small amounts of carbon dioxide, by liquefaction and rectification which comprises cooling said mixture to a temperature substantially below the freezing point temperature of carbon dioxide but not below the condensation temperature of the gases to be separated by effecting cold exchange between the mixture and a cold regenerative body and between said body and cold separated components of the mixture by alternately reversing the flow of the mixture and of said components through each of a plurality of regenerators whereby small amounts of the carbon dioxide in a finely divided solid state pass out of said regenerators in suspension in the cooled mixture; introducing the cooled mixture wholly in gaseous form and carrying the finely divided carbon dioxide directly below the surface of and within a body of liquid containing the components of said mixture whereby the solid carbon dioxide is entrained in said body of liquid and removed from the cold



gaseous mixture; separating from said liquid the carbon dioxide thus entrained therein; and concurrently rectifying the respective carbon dioxide-free gaseous mixture and the carbon dioxide-free liquid at low temperature to produce said cold separated components.

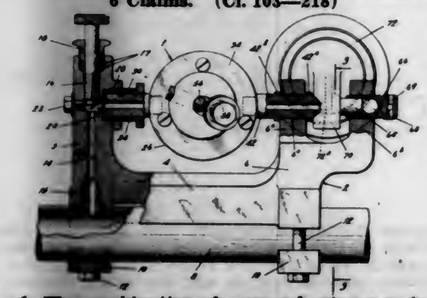
2,256,422
BITUMINOUS PAVING COMPOSITION MIXING APPARATUS
Edward Harold Brayer, Buffalo, N. Y.
Application December 21, 1939, Serial No. 310,277
5 Claims. (Cl. 259—163)



1. In a mechanism for intimately mixing solid and fluid bituminous paving composition materials, the combination of a mixing chamber and a stirring device therein, means for actuating said stirring device, a bitumen fluid inlet device having a spraying type outlet for directing said fluid into said chamber, means for supplying fluid to said inlet device under pressure, valve means associated with said inlet device for controlling flow of fluid therethrough, and control means for said stirring device actuating means and said valve means so arranged as to operate automatically subsequent to disposition of the solid materials in said chamber to cause said stirring device to be actuated throughout a predetermined time period and then to cause a predetermined volume of bitumen fluid to pass through said spraying outlet into said chamber

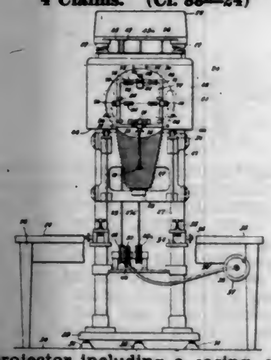
while said stirring device continues in operation, and then to cause said stirring device to continue in operation throughout a subsequent predetermined time period and then to cause the mixed product to be discharged from said chamber.

2,256,423
PUMP
Henry Crewdson, West Chester, Pa., assignor to American Viscose Corporation, Marcus Hook, Pa., a corporation of Delaware
Application April 8, 1938, Serial No. 200,995
6 Claims. (Cl. 103—218)



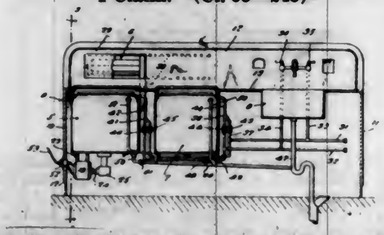
1. The combination of a pump having a casing, trunnions fixed to said casing and having passages for fluid therein, a base having standards supporting said trunnions, means forming a continuation of the passage in one of said trunnions, means mounted on the standard supporting said one trunnion for forcibly holding said first mentioned means against the end of said trunnion to establish a passage from said one trunnion to said first mentioned means and means on said one trunnion engaging its supporting standard to prevent transmission of pressure through said trunnion to said pump.

2,256,424
PROJECTOR
David I. Critoph and Walter H. Popp, Buffalo, N. Y., assignors to Spencer Lens Company, Buffalo, N. Y., a corporation of New York
Application September 9, 1938, Serial No. 229,160
4 Claims. (Cl. 88—24)



1. A projector including a casing, a source of illumination and an optical system, an opening in one wall of said casing, a holding plate in said opening, a door in said holding plate for insertion and removal of material to be projected in said projector, and adapted to retain said material in position for projecting the same, said holding plate having a portion overlapping an edge of one wall of said casing, a slot in said overlapping portion, a guide member secured to said casing adjacent said overlapping portion of said holding plate, a thrust bar slidably supported on said guide member, a pinion on said guide member for moving said thrust bar, and a member secured to said thrust bar and extending into the slot in the said overlapping portion of the holding plate, whereby movement of the thrust bar by rotation of the pinion will simultaneously pivot said holding plate.

2,256,425
LAUNDRY APPARATUS
Frank Damiano, Newburgh, N. Y.
Application June 15, 1940, Serial No. 340,805
1 Claim. (Cl. 68—245)



A laundry apparatus comprising a pair of closely spaced tubs, a shell structure for encompassing said tubs and provided with a hollow back wall rising above the tops of the tubs and shell, said back wall having an opening therein substantially over one of the tubs, a wringer mounted in the hollow back wall, said wringer being swingably mounted at the end thereof adjacent to one end of the opening and approximately between the tubs, said wringer being swingable through the opening to a position above and between the tubs, and a closure for the opening adapted to close said opening when the wringer is disposed inside of the hollow back wall.

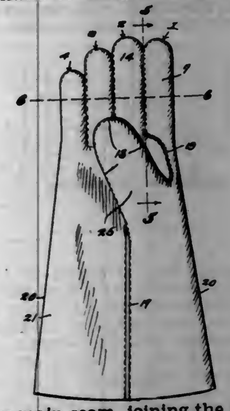
2,256,426
PROCESS FOR MANUFACTURING TUBES
René Damien, Paris, France, assignor to Societe Anonyme des Tubes de Valenciennes et Denain, Valenciennes, France, a corporation of France
Application May 25, 1939, Serial No. 275,741
In France March 25, 1939
1 Claim. (Cl. 80—62)



A process for manufacturing seamless tubes without a head on a pilgrim step rolling mill comprising rolling two blanks on the same mandrel, the second blank pushing the first, thereby enabling the head of said first blank to be rolled, and exerting on the free end of the first blank, which end is opposite to the head, a constant force adapted to overcome the inertia effect of said blank.

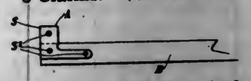
2,256,427
WELDER'S HAND COVERING
Harry N. Gitt, 2nd, Hanover, Pa.
Application April 18, 1940, Serial No. 330,409
1 Claim. (Cl. 2—161)

A welder's hand covering comprising a back part, front and back gauntlet parts, a thumb back, and front and back index finger parts integral therewith; an integral structure comprising a gauntlet front part, a thumb front and a palm part, the hand covering being provided with a



continuous main seam, joining the front gauntlet parts, and extended to join the thumb back and the thumb front, the seam being continued and joining the palm part and the back part, the seam being continued inwardly and joining the palm part to the front index finger part.

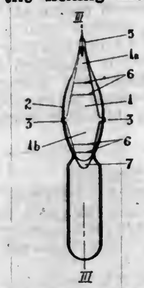
2,256,428
METHOD OF PRODUCING JACK SINKERS FOR STRAIGHT BAR KNITTING MACHINES
George Henry Green, Leicester, England
Application April 8, 1940, Serial No. 328,540
In Great Britain April 3, 1939
3 Claims. (Cl. 29—170)



1. The method of producing jack sinkers for knitting machines, which comprises edge-grinding an elongated strip of blade-making material to bring its edges into parallelism throughout its length and to produce a width substantially equal to that of the finished blade; cutting predetermined lengths from said strip to constitute blade elements, by successively severing the strip transversely from edge to edge, while simultaneously therewith shaping one end portion of one of the elements to form the sinker nose, throat and neb; and securing to the opposite end portion of each severed element a butt piece having a portion extending transversely beyond one edge of said element.

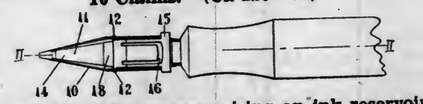
2,256,429
PEN NIB
Horace Roderic Hughes, Alcester, England
Application February 20, 1939, Serial No. 257,506
In Great Britain June 25, 1938
4 Claims. (Cl. 120—114)

1. A pen nib, having a metal plate or member pivotally mounted on the nib so that its forward end presses on the underside of the pointed end of the nib and its rear end presses on the side edges of the nib rearwardly of the pivot anchorage so as to form flexible spring arms extending rearwardly and forwardly of the anchorage, which anchorage is such that the two arms are interdependently flexible to form a single spring member, so that the front end of the plate bears with light pressure on the nib and at the same time follows the flexing movement of the nib



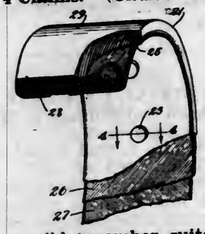
and maintains a light pressure thereon, a space being formed between the plate and the underside of the nib into which the ink feeder bar of a fountain pen can be inserted.

2,256,430
FOUNTAIN PEN
Horace Roderic Hughes, Alcester, England
Application February 20, 1939, Serial No. 257,507
In Great Britain July 16, 1938
10 Claims. (Cl. 120—50)



1. A fountain pen comprising an ink reservoir in the holder having a neck which forms the pen nib holder, a pen nib, a plate forming an auxiliary ink reservoir pivoted intermediate its ends on the nib and having its front end spring pressing on the pointed end of the nib and the rear end supported rearwardly of the pivot axis, an ink feed bar fitted in the opening in the said neck and having an ink channel therealong which lies against the underside of the pen nib and with the feed bar projecting into the space between the said plate and the nib with the ink channel in communication with the auxiliary ink reservoir.

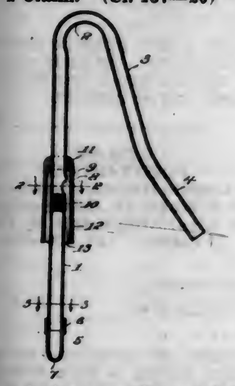
2,256,431
EXPANSIBLE BRAKE STRUCTURE
Wilson H. Hunter and Clarence E. Snyder, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application March 1, 1940, Serial No. 321,706
4 Claims. (Cl. 188—152)



1. An expansible member suitable for applying pressure to a brake element or the like in unattached relation thereto by fluid pressure within the member and for transmitting torque through the member, said member comprising

an annular hollow body of a form in cross-section providing a generally flat pressure-transmitting wall and side margins, said body comprising rubber-like material having a reinforcement of crossed layers of diagonally disposed unwoven cords in the pressure transmitting wall of the body and around said margins thereof, and a layer of longitudinally disposed cord material outwardly of said diagonally disposed cords for maintaining said pressure transmitting wall substantially flat across its width during distension thereof.

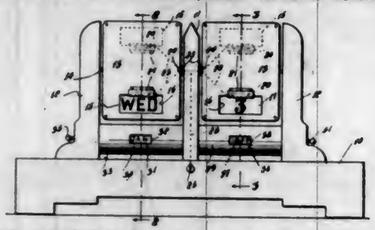
2,256,432
SIPHONING DEVICE
Chris A. Iverson, Bemidji, Minn.
Application April 24, 1940, Serial No. 331,459
1 Claim. (Cl. 137—20)



A siphoning device comprising a tube bent in gooseneck formation to provide a long straight vertical portion having an inlet opening substantially midway its ends, a curved portion at the upper end of the long portion and a short portion downwardly and outwardly inclined from the curved portion, the short portion having its lower portion outwardly flared to provide a pouring spout, said tube having open ends, an elongated cap having an opening in its lower end and including a serrated collar threaded on the lower end of the long portion, a screen in the long portion below said inlet opening, a relatively narrow elongated inverted cup member slidably mounted on the long portion for adjustment with respect to said inlet opening to vary the quantity of liquid siphoned by the device, said cup member including an outwardly flared skirt surrounding and spaced from the long portion to provide a liquid receiving chamber, and said inlet opening having the upper portion of its edge outwardly flared to provide a stop to limit downward movement of the cup member.

2,256,433
REVOLVING CALENDAR
Leo M. Jackson and William C. Murphy, Augusta, Ga.
Application February 1, 1940, Serial No. 316,842
1 Claim. (Cl. 40—107)

A calendar of the class described having a post member, a box member rotatable on the post member on an axis disposed laterally with respect to the post member, said box member having windows on opposite sides thereof, lamps carried by the box member one to illuminate each window, plates operable within the box member for display at said windows at the same relative location through rotation of the box member, a pair of pin-like terminals extending laterally from one of said members having conductors leading to the lamps, an arcuate conductor extending laterally from the other of said members and concentric with the axis of rotation of the box member, said arcuate conductor



being constructed and arranged to frictionally engage with one terminal at a time whereby only one lamp will be illuminated at a time and when at said location, the frictional engagement between the terminals and the arcuate conductor being of a degree to aid in holding the box member in its different positions.

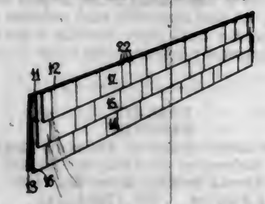
2,256,434
SATURATED ETHYLAMINE DERIVATIVE
Wilfrid Klavehn, Schwetzingen, and Anton Wolf, Heidelberg, Germany, assignors to E. Bilhuber Corporation
No Drawing. Application February 12, 1938, Serial No. 190,327. In Germany February 15, 1937
3 Claims. (Cl. 260—583)

1. An antispasmodic preparation comprising a saturated derivative of ethylamine of the general formula

$$R_1—CH(NHR_2)—CH_3$$

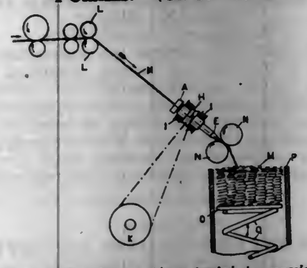
wherein R_1 reresents an alkyl radical selected from the group consisting of alkyl radicals containing four, five, six and seven carbon atoms and R_2 represents a radical selected from the group consisting of alkyl radicals containing one, three and five carbon atoms, and cycloalkyl radicals in a proportion sufficient to impart an effective antispasmodic action to the preparation.

2,256,435
CONSTRUCTION UNIT
Clarence W. Kraus, Buffalo, N. Y.
Application November 22, 1939, Serial No. 305,687
6 Claims. (Cl. 20—5)



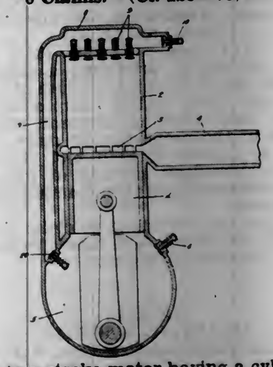
2. In a construction unit, a backing sheet, a plurality of courses of wooden shingles secured thereto, the shingles of the uppermost of said courses having their tip portions removed and their upper edges substantially coincident with the upper edge of said sheet, and the shingles of the lowermost of said courses having their butt edges extending below the lower edge of said sheet, tip portions removed from upper shingles being shingled under the shingles of the lowermost course.

2,256,436
DEVICE FOR PROVIDING TWIST IN ROVINGS PREPARATORY TO SPINNING
Arthur Kruse, Logelbach, France
Application November 14, 1939, Serial No. 304,411
In France November 25, 1938
4 Claims. (Cl. 57—1)



1. A device for imparting twist to rovings preparatory to spinning, which comprises, in combination, a pair of delivery rollers which feed the roving with a continuous movement, a tubular spindle through which the roving passes after leaving the said rollers, a collector receptacle, a second pair of delivery rollers for delivering the roving to said receptacle, the said spindle being adapted to impart right-hand and left-hand twists to said roving, and means for imparting to said tubular spindle alternate right-hand and left-hand rotary movements and intermediate periods of rest for intervals of time which are proportional to the speed of feed of the roving and to the time required by a point on the roving to pass from the first pair of rollers to the second pair of rollers.

2,256,437
COMBUSTION MOTOR
Karl Erik Kylén, Goteborg, Sweden
Application July 31, 1939, Serial No. 287,649
In Sweden August 15, 1938
6 Claims. (Cl. 123—73)



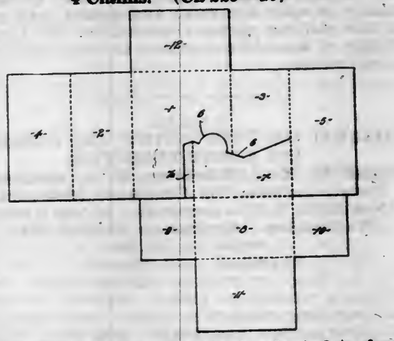
1. In a two-stroke motor having a cylinder and a piston reciprocable therein, a distributing chamber and a spring-controlled, self-acting admission valve for putting the distributing chamber into communication with the cylinder, a compressing device, valve means for putting the compressing device into intermittent communication with the distributing chamber, there being an exhaust port in the wall of the cylinder, an exhaust conduit connected to the exhaust port, the said exhaust conduit being so proportioned as to cause oscillation in the exhaust gases for creating a partial vacuum in the cylinder, the admission valve and the compressing device being so coordinated that the pressure from the compressing device is caused to act upon the admission valve to open the said admission valve before the creation of the partial vacuum in the cylinder.

2,256,438
VAPOR AND LIQUID CONTACT APPARATUS
James M. Larsen, Brooklyn, N. Y., assignor to Foster Wheeler Corporation, New York, N. Y., a corporation of New York
Application December 14, 1939, Serial No. 309,115
6 Claims. (Cl. 261—114)



1. Vapor and liquid contact apparatus comprising a column, a plurality of trays therein disposed in spaced and superposed relationship, each tray having a liquid receiving portion at one end thereof and a weir at the opposite end portion, a substantially horizontal tubular member supported above the tray intermediate the liquid receiving portion and the weir, the tubular member having a vapor inlet opening at each end thereof and a plurality of vapor outlet openings in the wall thereof and disposed at an elevation lower than that of the weir, the arrangement being such that the vapor in flowing upwardly from the liquid on one tray is caused to flow toward each side of the tray immediately above and to make an abrupt change in direction of flow prior to entering the tubular member, whereby liquid entrained in the vapor is removed therefrom before the vapor flows into the tubular member.

2,256,439
COLLAPSIBLE BOX OR DISPLAY DEVICE
Frederick Herbert Lowe, Thorpe, Chertsey, England
Application July 18, 1939, Serial No. 285,161
In Great Britain December 12, 1938
4 Claims. (Cl. 229—16)



1. A cardboard or like blank adapted to form a box, consisting of a single piece of material

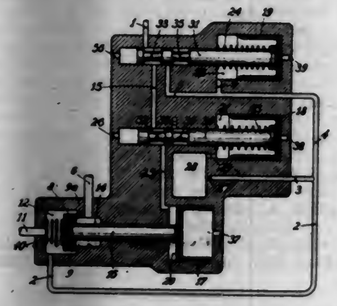
cut from a flat sheet and comprising a part to form the back wall of the box, two lateral wings foldable into planes to form the side walls of the box and provided with extensions to form lateral flaps at the front of the box, a part partially cut out of a portion of the blank which includes at least one of said lateral wings and along a line which defines two edges of the front wall but leaves said cut-out part attached to said lateral wing along a line which joins the latter to the extension thereof, said cut-out part being foldable along its line of attachment to said lateral wing into a forward plane to form the front wall of the box when the lateral wings are folded relatively to the back wall forming part into the planes of the sides of the box, a third wing attached to said cut-out part and bendable backwardly to form the bottom of the box, and extension means on said third wing foldable upwardly within the box to cover the opening left therein by removal of said cut-out part.

2,256,440

CONTROL MECHANISM FOR POWER OPERATED GEAR SHIFTING APPARATUS

Gustav Meyer, Friedrichshafen, Bodensee, Germany, assignor to Maybach-Motorenbau G. m. b. H., Friedrichshafen, Bodensee, Germany

Application October 30, 1937, Serial No. 172,019
In Germany October 31, 1936
14 Claims. (Cl. 137—139)



1. A control device for pressure-operated gear shifting mechanism including a valve for controlling the supply of shifting pressure to the shifting mechanism, actuating means for said valve responsive to an actuating pressure, means operating independently of the shifting pressure for supplying pressure to the valve actuating means to open the valve and means responsive to the shifting pressure controlling the further supply of actuating pressure to the valve actuating means.

2,256,441

MINERAL OIL COMPOSITION AND IMPROVING AGENT THEREFOR

Orland M. Reiff, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application March 8, 1940, Serial No. 322,969
34 Claims. (Cl. 252—35)

1. An improved mineral oil composition comprising a mineral oil having admixed therewith a minor proportion of an oil-miscible sulfide of a hydroxyaromatic carboxylic acid metal salt in which at least two aryl nuclei are interconnected by at least one atom of sulfur and in which part of the nuclear hydrogen is substituted with a predominantly aliphatic oil-solubilizing substituent.

2,256,442

MINERAL OIL COMPOSITION AND IMPROVING AGENT THEREFOR

Orland M. Reiff, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application March 9, 1940, Serial No. 323,118
20 Claims. (Cl. 252—46)

1. An improved mineral oil composition comprising a mineral oil having admixed therewith a minor proportion of an oil-miscible condensation product of a wax-substituted hydroxyaromatic acid in which at least two wax-substituted aryl nuclei are interconnected by at least one atom of an element from the group consisting of sulfur, selenium, and tellurium.

2,256,443

LUBRICANT COMPOSITION AND IMPROVING AGENT THEREFOR

Orland M. Reiff, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Original application March 8, 1940, Serial No. 322,969. Divided and this application June 5, 1941, Serial No. 396,654
27 Claims. (Cl. 252—39)

1. An improved lubricant composition comprising a mineral oil having admixed therewith a minor proportion of an oil-miscible sulfide of a hydroxyaromatic carboxylic acid metal salt in which at least two aryl nuclei are interconnected by at least one atom of sulfur and in which part of the nuclear hydrogen is substituted with a predominantly aliphatic oil-solubilizing substituent, the metal constituent of said salt being selected from the group consisting of alkali and alkaline earth metals.

2,256,444

MALEIC ANHYDRIDE-POLYHYDRIC ALCOHOL-NATURAL RESIN REACTION PRODUCTS

Israel Rosenblum, New York, N. Y.

No Drawing. Application November 28, 1938, Serial No. 242,854
31 Claims. (Cl. 260—13)

1. The method of producing a soluble resin suitable for use in the manufacture of varnishes, lacquers, and other coating compositions, which comprises first reacting glycerol and maleic anhydride in the proportion of more than 1.43 mols of the former to each mol of the latter until an intermediate product of reduced acid number is obtained, and then reacting such product with rosin.

9. The process accordiing to claim 1, wherein the rosin is contained in a fusible mixture with a phenol-aldehyde condensate.

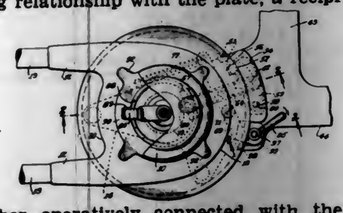
2,256,445

DRAFTING MACHINE

Hans Wiedemann, West New York, N. J., assignor to Keuffel & Esser Company, Hoboken, N. J., a corporation of New Jersey

Application November 2, 1939, Serial No. 302,518
16 Claims. (Cl. 33—79)

8. In a drafting machine head, in combination, means relatively fixed in orientation, a straight edge supporting means rotatably mounted on the head, a hand knob to rotate the supporting means, a latching plate carried by one of said means, a latch lever pivotally carried by the other of said means and coacting with the plate, power storing means to urge the latching lever into coacting relationship with the plate, a reciprocable



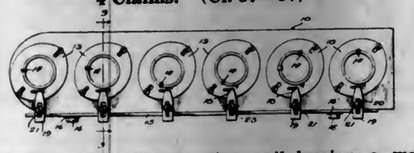
member operatively connected with the latch lever, a manually actuatable circumferentially movable member on the knob and cam means rotated by the circumferentially movable member and engaging and reciprocating the reciprocable member whereby the latch is actuated.

2,256,446

ADJUSTABLE TRAVELER CLEANER

Allen J. Alleman, Opelika, Ala., assignor of one-half to Mathew R. Gilmer, Opelika, Ala.

Application March 17, 1941, Serial No. 383,829
4 Claims. (Cl. 57—57)



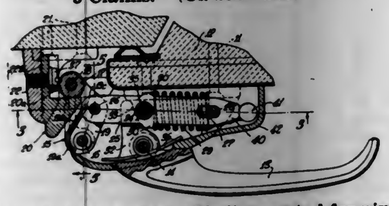
1. In combination, a ring rail having a web and a depending longitudinal flange, a carrier bar adapted for attachment to said flange and having a longitudinal slot therein, removable means securing said bar to said flange through said slot, cleaning fingers adapted to be attached to said bar to extend over said web and means adjustably securing said fingers to said bar, said slot being larger than the securing means passing therethrough so that said bar may be simultaneously adjusted in a plurality of directions for shifting said fingers relative to said web in a plurality of directions, said finger securing means including a longitudinal slot in each finger providing for relative shift of any finger relative to said bar whereby any finger may be individually adjusted relative to said web or the entire bar adjusted to shift said fingers together as a unit.

2,256,447

REFRIGERATOR LATCH

William O. Burke, Rockford, Ill., assignor to National Lock Co., Rockford, Ill., a corporation of Delaware

Application May 5, 1939, Serial No. 271,851
5 Claims. (Cl. 292—223)



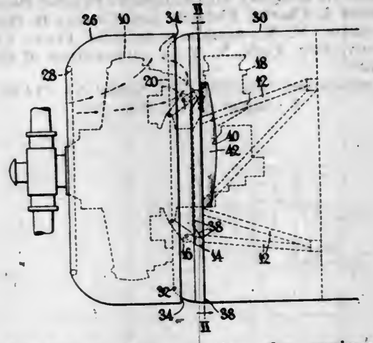
1. In a latch, a recessed bolt mounted for pivotal movement into and out of latching position, a link pivotally connected at one of its ends to pin means in a recessed part of said bolt, said bolt having a tongue portion slotted to fit around said end portion of the link near said pin means to prevent shifting movement of the link along the pin means, and means for effecting movement of said link back and forth for the purpose of pivoting the bolt.

2,256,448

AIRCRAFT ENGINE COWLING

Edwyn A. Eddy, Stewart Manor, N. Y., assignor to Brewster Aeronautical Corporation, Long Island City, N. Y.

Application August 16, 1940, Serial No. 352,887
7 Claims. (Cl. 123—171)



1. An engine cooling system for engines in which the cylinders thereof and the exhaust gas manifold thereof are substantially displaced axially of said engine, comprising a cowl embracing the cylinder section of said engine and defining an air entrance opening ahead of the engine, a second cowl substantially in line with the first mentioned cowl and having a reduced end portion nested within the trailing edge portion of said first mentioned cowl so as to define an air outlet opening therebetween, a transverse partition extending interiorly of said second mentioned cowl at a position substantially aft of the forward end thereof, said engine exhaust manifold being located substantially within said second mentioned cowl ahead of said partition and normally cooled by pressure induced reversely flowing air streams discharging through said air outlet opening, and a secondary airflow control device adapted to be brought into play under excess power output conditions and comprising an air outlet port through said second mentioned cowl aft of said exhaust manifold and normally closed by a control member, and means for moving said control member to port-open positions under excess power output conditions.

2,256,449

METHOD OF REMOVING IMAGES FROM PLANOGRAPHIC PLATES

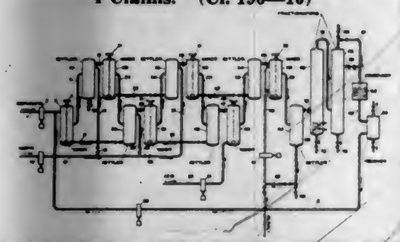
Anthony George, Cincinnati, Ohio, assignor to The Lithographic Technical Foundation, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application December 6, 1938, Serial No. 244,239
1 Claim. (Cl. 41—41.5)

The method, which comprises treating a grained aluminum lithographic plate with a light-hardened albuminous or other colloidal, resinous or greasy printing image, printing with

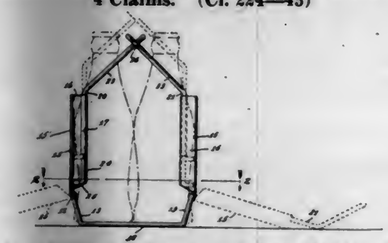
the plate, removing the image of the plate without destroying the grain thereon, by washing the plate with a composition comprised of a major proportion of an acid of the class consisting of phosphoric and sulfuric, and a minor proportion of chromic acid, then providing another light-hardened albuminous or other colloidal, greasy resinous image upon the plate, printing with the plate, and subsequently removing the printing image from the plate by washing it again with said composition, each washing treatment being characterized in that it affects removal of the image without appreciably injuring the grain surface of the aluminum plate.

2,256,450
ALKYLATION OF HYDROCARBONS
Arthur R. Goldsby and Ernest F. Pevere, Beacon, Louis A. Clarke, Fishkill, and George B. Hatch, Beacon, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
Application June 18, 1938, Serial No. 214,488
4 Claims. (Cl. 196—10)



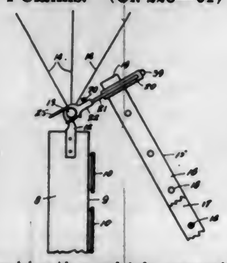
1. A process for the alkylation of isoparaffins with olefins, which comprises treating olefins and an excess of low boiling isoparaffins with strong sulfuric acid, whereby the isoparaffins are alkylated by the olefins, separating the used acid from the reaction products, separately contacting at least a portion of the used acid with substantially olefin-free isoparaffins to strip the acid of absorbed olefins, and passing the mixture of isoparaffins and hydrocarbons stripped from the acid to the alkylation operation.

2,256,451
BOTTLE CARRIER
Nell Hamilton, Columbus, Ind., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind., a corporation of Indiana
Application August 10, 1938, Serial No. 224,175
4 Claims. (Cl. 224—45)



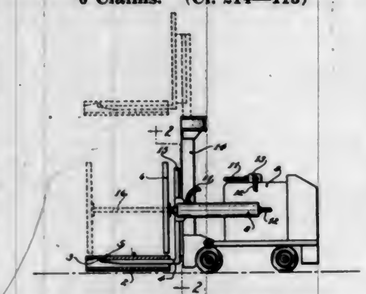
1. A bottle carrier, comprising a bottom having a central bottle-supporting portion, sides pivoted to said bottom above said bottle-supporting portion, and a yoke slidably mounted in each of said sides and having a central, horizontal handle portion and side portions, said yokes being adapted to interfit with corresponding side portions crossing each other and with the handle portions disposed in parallel relationship, the crossing side portions of said yokes being provided with interengaging complementary offsets.

2,256,452
LADDER ATTACHMENT
Charles F. Marshall, Covington, Ky.
Application August 10, 1939, Serial No. 289,439
4 Claims. (Cl. 228—61)



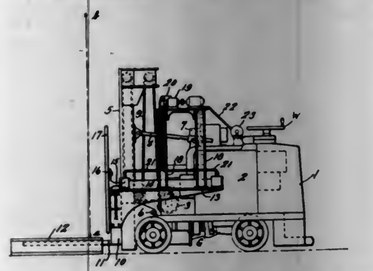
2. The combination which comprises a ladder having rungs and connecting side rails, a bracket including means for clamping it to one of said rails, and an extending shank on the bracket projecting transversely of the ladder rail, a head on the shank, and a pair of spaced substantially parallel arms on said head, of unequal length, the longer one of said arms being disposed in overlying relationship to the shorter arm, both of said arms being disposed at substantially a right angle to the ladder rail and in a plane parallel thereto.

2,256,453
INDUSTRIAL LIFT TRUCK
William P. Bomar, Fort Worth, Tex.
Application June 18, 1940, Serial No. 341,095
6 Claims. (Cl. 214—113)



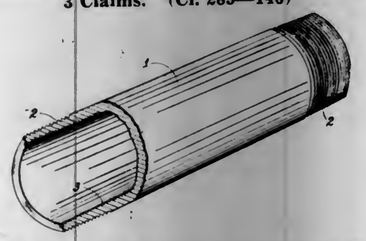
1. In an industrial truck of the power-operated type adapted to lift and move a load while it rests on a pallet, the combination of means to deposit the load without the pallet, such means consisting of a device to temporarily fasten a loaded pallet against movement with relation to the truck part which directly supports it, a pusher frame mounted vertically on the truck for horizontal movement between the rear and front edges of the pallet, and power means to cause such pusher movement relatively to the pallet to unload the latter and deposit its load when the pallet is fastened for the purpose, said means to so deposit the load being adapted to operate to keep the pusher and load substantially stationary while the truck backs away from the place of deposit.

2,256,454
INDUSTRIAL LIFT TRUCK
William P. Bomar, Fort Worth, Tex.
Application February 18, 1941, Serial No. 379,464
12 Claims. (Cl. 214—113)



1. A power operated truck and pallet adapted to handle a load of units in piled form on the pallet, said truck having mechanism under the truck driver's control to lift the loaded pallet, carry it to a place of load deposit and deposit the load there while retaining its piled form, either with or without the pallet and at the option of the driver, part of said mechanism for depositing the load without the pallet comprising in combination a vertically arranged pusher, means to move it independently and from one end to the other of the pallet while engaged with the load for pushing, gripping devices arranged in part on the pallet and in part on the truck and operable to hold the pallet locked on the truck while the pusher is working to unload and the truck is withdrawing from the load so as to move the pallet from load-supporting position, said first mentioned mechanism being operable when desired to deposit the pallet and its load by lowering both from lifted to deposited position and then withdrawing the truck.

2,256,455
OIL WELL CASING
Thomas J. Crawford, Youngstown, Ohio, assignor to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey
Application March 30, 1940, Serial No. 327,018
3 Claims. (Cl. 285—146)

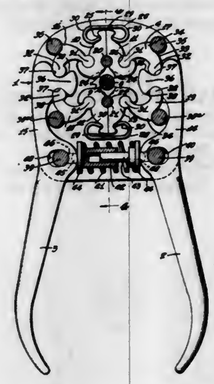


1. In a thin walled steel pipe which is exteriorly threaded at its ends and which is to be subjected to heavy tensile stresses in use, means for increasing, in the region of the threaded ends, the normal resistance of the pipe to tensile failure and to radial deformation resulting in failure by thread disengagement of the threaded joint, said means comprising a thin integral layer of steel at the inner surface of each threaded end, said layers being harder than the thread carrying portions of the pipe and being substantially coextensive with said threads longitudinally of the pipe.

2,256,456
FOUNDRY COMPOSITION
Harry W. Dietert, Detroit, Mich., assignor to Peerpatco Incorporated, a corporation of Delaware
No Drawing. Application June 6, 1941, Serial No. 396,965
3 Claims. (Cl. 22—188)

1. In compositions of matter of the class described, a foundry composition comprising in combination, sand, a montmorillonite clay and a substantial amount of silica flour.

2,256,457
HAND SWAGING TOOL
Harry A. Douglas, Bronson, Mich., assignor to H. A. Douglas Mfg. Co., Bronson, Mich., a corporation of Michigan
Application November 26, 1937, Serial No. 176,543
16 Claims. (Cl. 81—15)

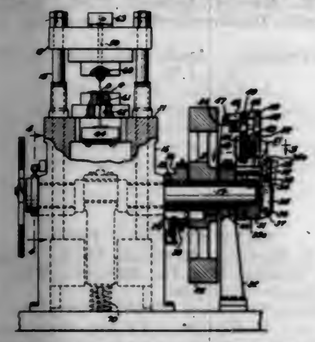


1. A hand swaging tool including a head having an aperture for receiving the article to be swaged and having operating handles pivotally mounted thereon intermediate their ends providing similar portions on each handle entering within the head, two pairs of jaw members having article engaging teeth, each pair arranged in complementary relation to the other and mounted for oscillatory movement about studs fixed upon the head equidistant from the center of the head aperture, complementary operating members associated with said head in alignment with said aperture extending from the end of each handle extension, and cam dogs operatively connected to the respective jaw members and adjacent operating members to coact therewith to oscillate the jaw teeth to simultaneously compress the article upon the application of pressure upon the external portions of said handles.

2,256,458
SAFETY DEVICE FOR POWER PRESSES
Knut Henry Morck, Buffalo, N. Y., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y.
Application November 28, 1940, Serial No. 367,588
4 Claims. (Cl. 192—127)

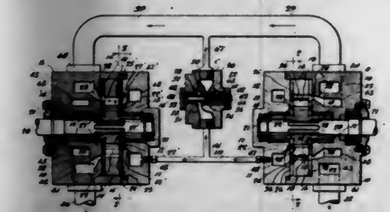
1. In a power press having an intermittent strip feed device and die units for forming the strip, a photo-electric device positioned to react to improper positioning of the strip in the dies, a crankshaft for the press, drive means for the crankshaft, a clutch drum on the crankshaft

having means for engaging the drive means, a connection between the drum and crankshaft,



and means controlled by said photo-electric device for disengaging said connection.

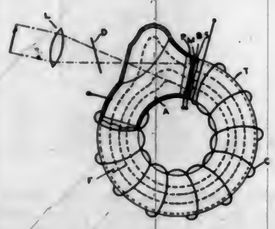
2,256,459
FLUID PRESSURE DEVICE
Charles M. Kendrick, New York, N. Y., assignor to Manly Corporation, Washington, D. C., a corporation of Delaware
Application February 12, 1941, Serial No. 378,524
15 Claims. (Cl. 103—136)



1. A rotary vane pump having a rotor provided with a plurality of vane slots, vanes movable inward and outward in said slots in a substantially radial direction with respect to said rotor, the inner ends of said slots forming working chambers for the inner ends of said vanes as said vanes reciprocate therein, a casing including a pumping chamber for the outer ends of said vanes as said vanes rotate with said rotor, passages for the admission of fluid to the inner ends of said slots and to the outer ends of said vanes, and separate outlet passages for the discharge of fluid from the outer ends of said vanes and the inner ends of said slots respectively for utilizing separately the rotary and radial movements of the vanes to deliver two fluid volumes at least in part separately usable, including means responsive to difference in the fluid pressures of said two volumes for regulating the pressure of the fluid of one of said volumes conformably with the pressure of the fluid of the other of said volumes.

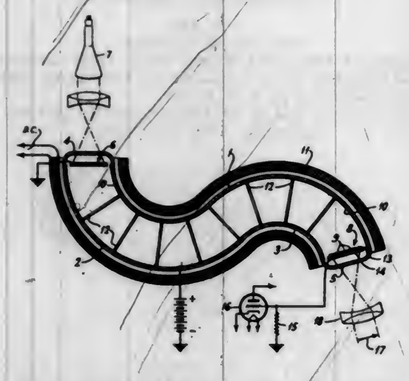
2,256,460
ELECTRON DISCHARGE DEVICE
Hans Gerhard Lubszynski, Hillingdon, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application December 20, 1939, Serial No. 310,098
In Great Britain December 20, 1938
4 Claims. (Cl. 250—165)

1. An electron image tube comprising an evacuated envelope whose principal portion is a toric segment, a light sensitive electron emissive electrode within said envelope extending radially of said toric segment portion and intercepting substantially circular closed paths within said envelope to emit electrons in response to light, a substantially transparent foundation supporting said electrode, a fluorescent screen closely adjacent and coplanar with the side of said foundation



opposite said light sensitive electrode, and means comprising a magnetic coil surrounding said toric segment portion to generate a magnetic field having substantially circular lines of force through said toric segment whereby electrons emitted from said light sensitive electrode are directed around said toric segment and impinge said fluorescent screen at points in substantial registry with the points of origin of said electrons.

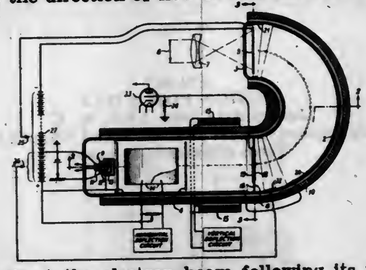
2,256,461
ELECTRON IMAGE TUBE
Harley A. Iams, Summit, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 23, 1940, Serial No. 331,092
9 Claims. (Cl. 250—165)



1. An electron discharge tube comprising an envelope including wall portions which are toric segments joined at their abutting ends and forming an S-shaped enclosure, a photocathode adjacent one end of said envelope to generate a flow of electrons, a target electrode adjacent the opposite end of said envelope to receive electrons from said photocathode, and a magnetic coil surrounding the length of and conforming to the shape of said envelope to focus the flow of electrons from said photocathode on said target electrode.

2,256,462
TELEVISION TRANSMITTING DEVICE
Harley A. Iams, Summit, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 15, 1940, Serial No. 335,211
9 Claims. (Cl. 250—150)

1. A television transmitting tube comprising an evacuated envelope, an electron source to liberate electrons forming an electron beam, a target offset to one side of the normal path of said electron beam to allow said beam to pass beyond said target, a mosaic of mutually separated particles on the surface of said target facing away from said electron source, an electrode in capacitive relation with said particles, means including a photocathode exposed along arced paths to said particles to liberate electrons and develop an electrostatic image representative of information to be transmitted on said mosaic of mutually separated particles and means including said photocathode and magnetic field generating means to substantially reverse the direction of flow of said electron beam



and direct the electron beam following its passage beyond said target to said target to neutralize said electrostatic image.

DESIGNS

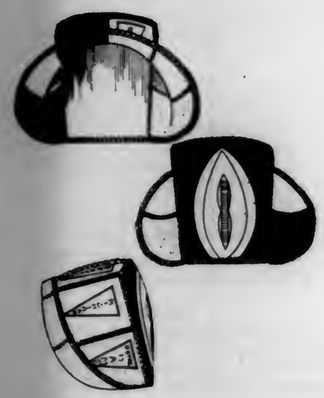
SEPTEMBER 16, 1941

129,469
DESIGN FOR A HAT
James Artz, New York, N. Y.
Application August 2, 1941, Serial No. 102,643
Term of patent 3½ years



The ornamental design for a hat, substantially as shown.

129,470
DESIGN FOR A HAT
James Artz, New York, N. Y.
Application August 2, 1941, Serial No. 102,644
Term of patent 3½ years



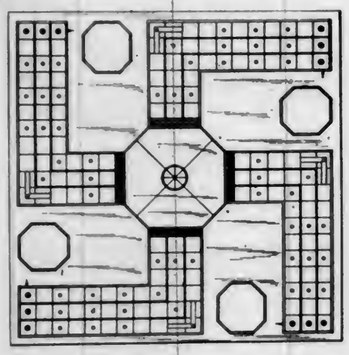
The ornamental design for a hat, substantially as shown.

129,471
DESIGN FOR A BRAID
Leo Beer, Kew Gardens, N. Y.
Application June 20, 1941, Serial No. 101,580
Term of patent 7 years



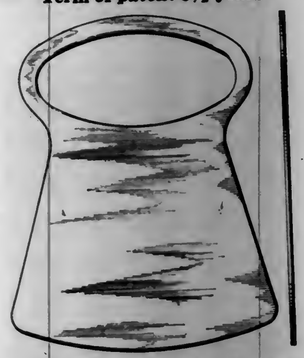
The ornamental design for a braid, substantially as shown.

129,472
DESIGN FOR A GAME BOARD
Ida Pauline Cassidy, Warrensburg, N. Y.
Application June 11, 1941, Serial No. 101,405
Term of patent 14 years



The ornamental design for a game board, as shown and described.

129,473
DESIGN FOR A MOUNTING FOR HANDBAGS OR THE LIKE
Suzanne Ray Dupuis, New York, N. Y.
Application July 12, 1941, Serial No. 102,104
Term of patent 3½ years



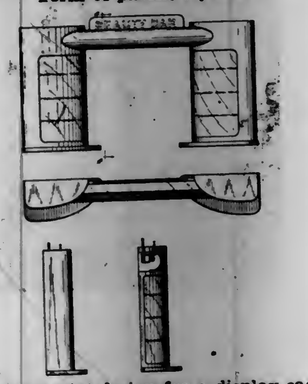
The ornamental design for a mounting for handbags or the like, substantially as shown.

129,474
DESIGN FOR A BOW LABEL
Peter L. Forsman, New York, N. Y., assignor to Elmo Sales Corporation, Philadelphia, Pa.
Application June 11, 1941, Serial No. 101,403
Term of patent 14 years



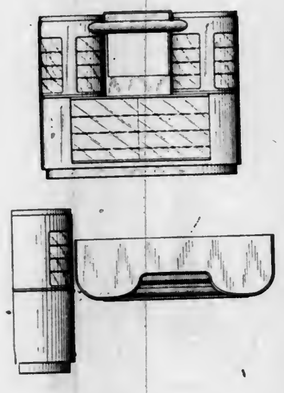
The ornamental design for a bow label, as shown.

129,475
DESIGN FOR A DISPLAY CASE
Edward P. Gannon, Rockford, Ill.
Application June 21, 1941, Serial No. 101,597
Term of patent 7 years



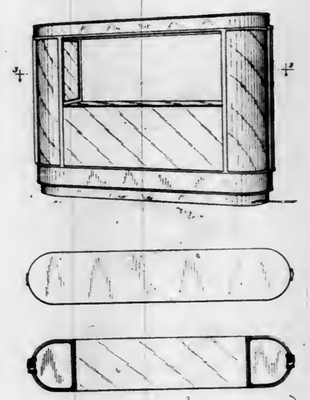
The ornamental design for a display case, substantially as shown and described.

129,476
DESIGN FOR A DISPLAY CASE
Edward P. Gannon, Rockford, Ill.
Application June 21, 1941, Serial No. 101,598
Term of patent 7 years



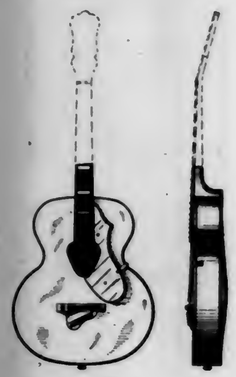
The ornamental design for a display case, substantially as shown and described.

129,477
DESIGN FOR A DISPLAY CASE
Edward P. Gannon, Rockford, Ill.
Application June 21, 1941, Serial No. 101,599
Term of patent 7 years



The ornamental design for a display case, substantially as shown.

129,478
DESIGN FOR A GUITAR OR SIMILAR MUSICAL INSTRUMENT
Fred Gretsch, Jr., Forest Hills, N. Y.
Application January 31, 1941, Serial No. 98,619
Term of patent 14 years



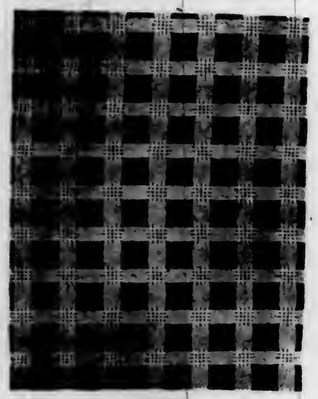
The ornamental design for a guitar or similar musical instrument, as shown and described.

129,479
DESIGN FOR A BOWL OR ANALOGOUS ARTICLE
Carolina Haus, San Francisco, Calif.
Application May 26, 1941, Serial No. 101,148
Term of patent 7 years



The ornamental design for a bowl or analogous article, substantially as shown.

129,480
DESIGN FOR A TEXTILE FABRIC
Harry Horowitz, Elizabeth, N. J.
Application December 27, 1940, Serial No. 97,646
Term of patent 3½ years



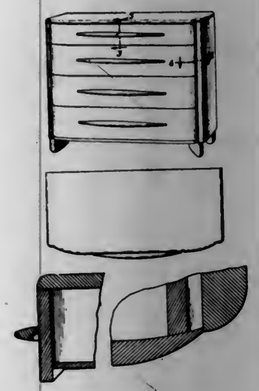
The ornamental design for a textile fabric, substantially as shown.

129,481
DESIGN FOR A TEXTILE FABRIC
Harry Horowitz, Elizabeth, N. J.
Application December 27, 1940, Serial No. 97,649
Term of patent 3½ years



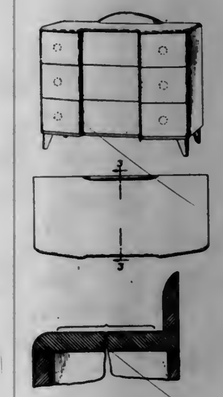
The ornamental design for a textile fabric, substantially as shown.

129,482
DESIGN FOR A CHEST
Leo Jiranek, Scarsdale, N. Y., assignor to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts
Application March 3, 1941, Serial No. 99,325
Term of patent 3½ years



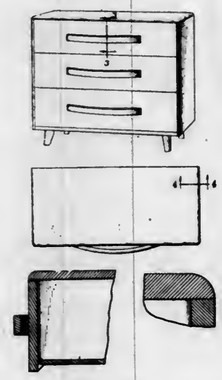
The ornamental design for a chest, substantially as shown.

129,483
DESIGN FOR A CHEST
Leo Jiranek, Scarsdale, N. Y., assignor to Heywood-Wakefield Company, Gardner Mass., a corporation of Massachusetts
Application March 3, 1941, Serial No. 99,326
Term of patent 7 years



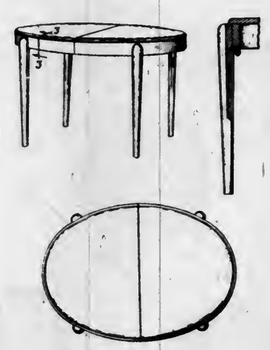
The ornamental design for a chest, substantially as shown.

129,484
DESIGN FOR A CHEST
Leo Jiranek, Scarsdale, N. Y., assignor to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts
Application March 3, 1941, Serial No. 99,327
Term of patent 3½ years



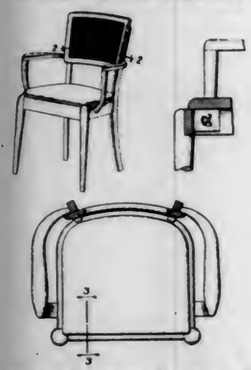
The ornamental design for a chest, substantially as shown.

129,485
DESIGN FOR A TABLE
Leo Jiranek, Scarsdale, N. Y., assignor to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts
Application March 3, 1941, Serial No. 99,328
Term of patent 3½ years



The ornamental design for a table, substantially as shown.

129,486
DESIGN FOR A CHAIR
Leo Jiranek, Scarsdale, N. Y., assignor to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts
Application March 3, 1941, Serial No. 99,331
Term of patent 3½ years



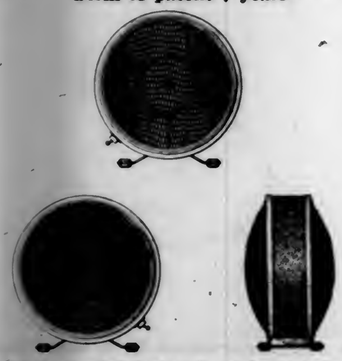
The ornamental design for a chair, substantially as shown.

129,487
DESIGN FOR A COMBINED SHOE WEDGE AND PLATFORM OR SIMILAR ARTICLE.
Alexander Kardo-Sessoeff, New York, N. Y.
Application May 16, 1941, Serial No. 100,970
Term of patent 3½ years



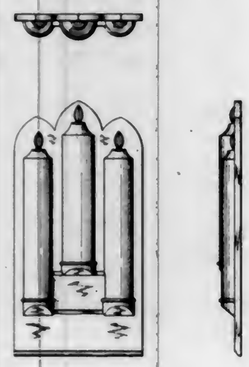
The ornamental design for a combined shoe wedge and platform or similar article, substantially as shown and described.

129,488
DESIGN FOR A FAN
William A. Norris, Alhambra, Calif.
Application July 12, 1941, Serial No. 102,113
Term of patent 7 years



The ornamental design for a fan, as shown.

129,489
DESIGN FOR A LUG AND CORNER FOR CASKET HANDLE OR SIMILAR ARTICLE
John Pastor, Bridgeport, Conn., assignor to The Bridgeport Casket Hardware Company, Bridgeport, Conn., a corporation of Connecticut
Application June 19, 1941, Serial No. 101,556
Term of patent 7 years



The ornamental design for a lug and corner for casket handle or similar article, substantially as shown.

129,490
DESIGN FOR A TEXTILE FABRIC
Samuel Bernard Schaeffer, Jackson Heights, N. Y.
Application August 19, 1941, Serial No. 102,933
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

129,491
DESIGN FOR A TEXTILE FABRIC
Samuel Bernard Schaeffer, Jackson Heights, N. Y.
Application August 19, 1941, Serial No. 102,934
Term of patent 3½ years



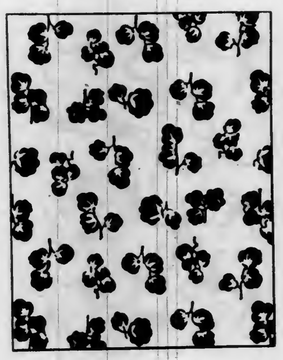
The ornamental design for a textile fabric, substantially as shown.

129,492
DESIGN FOR A TEXTILE FABRIC
Samuel Bernard Schaeffer, Jackson Heights, N. Y.
Application August 19, 1941, Serial No. 102,935
Term of patent 3½ years



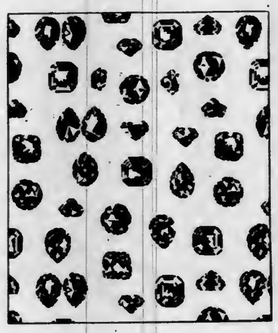
The ornamental design for a textile fabric, substantially as shown.

129,493
DESIGN FOR A TEXTILE FABRIC
Samuel Bernard Schaeffer, Jackson Heights, N. Y.
Application August 19, 1941, Serial No. 102,936
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

129,494
DESIGN FOR A TEXTILE FABRIC
Samuel Bernard Schaeffer, Jackson Heights, N. Y.
Application August 19, 1941, Serial No. 102,937
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

129,495
DESIGN FOR A TEXTILE FABRIC
Samuel Bernard Schaeffer, Jackson Heights, N. Y.
Application August 19, 1941, Serial No. 102,938
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

129,496
DESIGN FOR A COFFEE CUP
Albert Tujague, New Orleans, La., assignor to The Loubat Glassware & Cork Company, New Orleans, La., a corporation of Louisiana
Application April 26, 1941, Serial No. 100,637
Term of patent 14 years



The ornamental design for a coffee cup, as shown.

129,497
DESIGN FOR A GLOVE
Joseph F. Ward and Michael Wascoe, Allentown, Pa., assignors to Queen City Textile Corporation, Allentown, Pa., a corporation of Pennsylvania
Application August 20, 1940, Serial No. 94,532
Term of patent 14 years



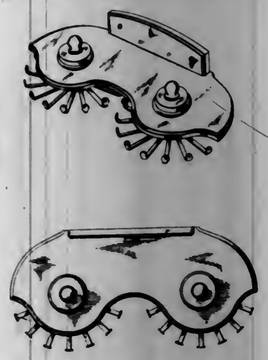
The ornamental design for a glove, as shown and described.

129,498
DESIGN FOR A GLOVE
Joseph F. Ward and Michael Wascoe, Allentown, Pa., assignors to Queen City Textile Corporation, Allentown, Pa., a corporation of Pennsylvania
Application September 5, 1940, Serial No. 94,814
Term of patent 14 years



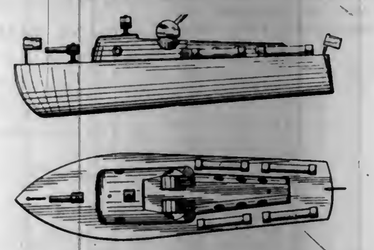
The ornamental design for a glove, as shown and described.

129,499
DESIGN FOR A NECKTIE RACK
Arthur Waterman, Philadelphia, Pa.
Application December 24, 1940, Serial No. 97,595
Term of patent 7 years



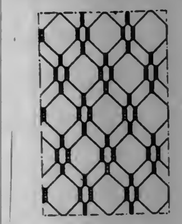
The ornamental design for a necktie rack, as shown.

129,500
DESIGN FOR A TOY BOAT
Joseph K. Weddell, Springfield, Mass., assignor to Milton Bradley Company, Springfield, Mass., a corporation of Massachusetts
Application May 28, 1941, Serial No. 101,209
Term of patent 3½ years



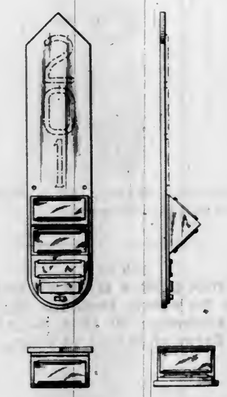
The ornamental design for a toy boat, as shown and described.

129,501
DESIGN FOR VEILING
Abraham Weinblum, New York, N. Y.
Application July 19, 1941, Serial No. 102,299
Term of patent 7 years



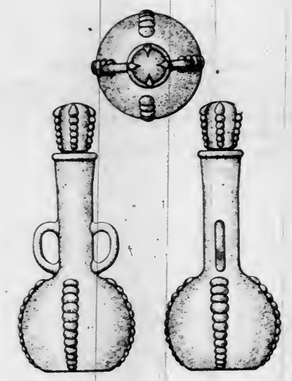
The ornamental design for veiling, substantially as shown.

129,502
DESIGN FOR AN ILLUMINABLE HOUSE SIGN
Orville Wright, Louisville, Ky.
Application May 27, 1941, Serial No. 101,184
Term of patent 14 years



The ornamental design for an illuminable house sign as shown.

129,503
DESIGN FOR A COLOGNE BOTTLE OR SIMILAR ARTICLE
John D. Buckingham, Chicago, Ill., assignor to Lucien Lelong, Inc., Chicago, Ill., a corporation of Illinois
Application July 21, 1941, Serial No. 102,329
Term of patent 14 years



The ornamental design for a cologne bottle or similar article, as shown.

129,504
DESIGN FOR A BOTTLE STOPPER OR SIMILAR ARTICLE
John D. Buckingham, Chicago, Ill., assignor to Lucien Lelong, Inc., Chicago, Ill., a corporation of Illinois
Application July 21, 1941, Serial No. 102,331
Term of patent 14 years





The ornamental design for a bottle stopper or similar article, as shown.

129,505
DESIGN FOR A HAIR CURLER
Guy De Santis, Dedham, Mass.
Application December 30, 1940, Serial No. 97,727
Term of patent 14 years





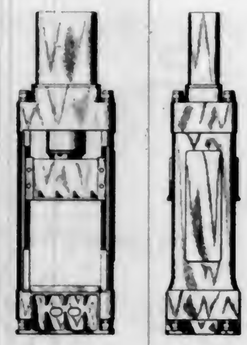


The ornamental design for a hair curler, as shown.

129,506
DESIGN FOR A PRESS
Walter Ernst and Johan A. Muller, Mount Gilead, Ohio, assignors to The Hydraulic Development Corporation, Inc., Wilmington, Del., a corporation of Delaware
Application March 6, 1941, Serial No. 99,389
Term of patent 14 years

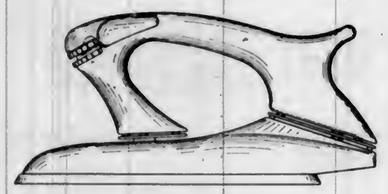


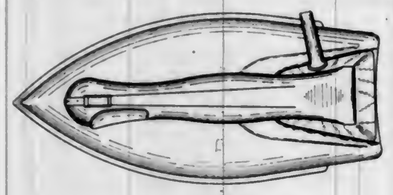
129,506—Continued



The ornamental design for a press, substantially as shown.

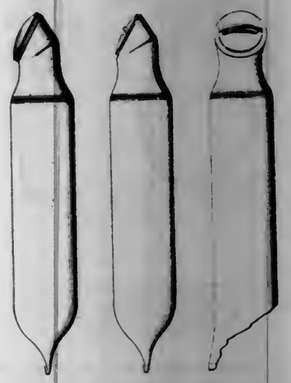
129,507
DESIGN FOR AN ELECTRIC IRON
Murray Ireland, near Elgin, Ill., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application June 27, 1941, Serial No. 101,750
Term of patent 7 years





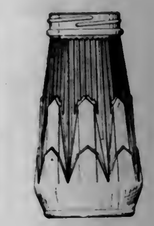
The ornamental design for an electric iron, substantially as shown.

129,508
DESIGN FOR A COMBINATION COLLAPSIBLE TUBE AND MASSAGE DEVICE
Joseph N. Landau, New York, N. Y.
Application June 22, 1940, Serial No. 93,184
Term of patent 14 years



The ornamental design for a combination collapsible tube and massage device substantially as shown.

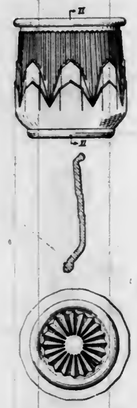
129,509
DESIGN FOR A GLASS JAR
William J. Lundy, Olean, N. Y., assignor to Olean Glass Company, Olean, N. Y., a corporation of New York
Application July 22, 1941, Serial No. 102,363
Term of patent 14 years





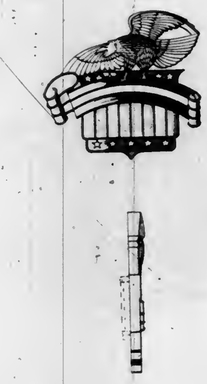
The ornamental design for a glass jar, substantially as shown.

129,510
DESIGN FOR A GLASS JAR
William J. Lundy, Olean, N. Y., assignor to Olean Glass Company, Olean, N. Y., a corporation of New York
Application July 22, 1941, Serial No. 102,364
Term of patent 14 years



The ornamental design for a glass jar, substantially as shown.

129,511
DESIGN FOR A BADGE OR SIMILAR ARTICLE
George M. Marx, Washington, D. C.
Application May 3, 1941, Serial No. 100,765
Term of patent 3½ years



The ornamental design for a badge or similar article, as shown and described.

129,512
DESIGN FOR A SOLVENT DISTRIBUTING DEVICE AND BRACKET THEREFOR
Henry Walter Mitchell, Lake Forest, Ill., assignor to Warner-Patterson Company, Chicago, Ill., a corporation of Illinois
Application May 7, 1941, Serial No. 100,829
Term of patent 14 years



The ornamental design for a solvent distributing device and bracket therefor, substantially as shown.

129,513
DESIGN FOR A PIECE OF BRIC-A-BRAC
Clarence William Parker, Lynn, Mass.
Application March 14, 1941, Serial No. 99,597
Term of patent 14 years



The ornamental design for a piece of bric-a-brac, as shown.

129,514
DESIGN FOR A PERFUME BOTTLE OR SIMILAR ARTICLE
George R. Parkinson, New York, N. Y., assignor to Parfums Schiaparelli Inc., New York, N. Y., a corporation of New York
Application June 28, 1941, Serial No. 101,777
Term of patent 14 years



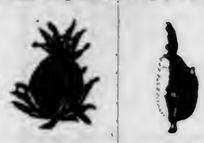
The ornamental design for a perfume bottle or similar article, substantially as shown.

129,515
DESIGN FOR A BOTTLE
Jacob Payne, Manhasset, N. Y.
Application December 18, 1940, Serial No. 97,430
Term of patent 3½ years



The ornamental design for a bottle, as shown.

129,516
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application March 19, 1941, Serial No. 99,691
Term of patent 3½ years



The ornamental design for a pin clip, as shown.

129,517
DESIGN FOR A COMBINED FLOWER BOWL AND HOLDER
Allan Rosenfeld, New York, N. Y.
Application August 14, 1941, Serial No. 102,844
Term of patent 3½ years



The ornamental design for a combined flower bowl and holder, substantially as shown.

129,518
DESIGN FOR A NASAL BRUSH OR SIMILAR ARTICLE
Charles Scott Watson, Pocatello, Idaho
Application June 2, 1941, Serial No. 101,265
Term of patent 14 years



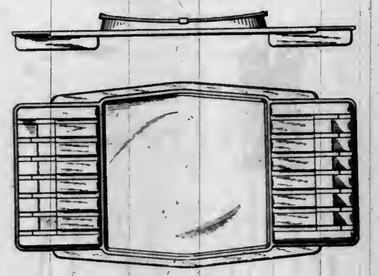
The ornamental design for a nasal brush or similar article, as shown.

129,519
DESIGN FOR A DIAL ESCUTCHEON FOR A RADIO SET
Robert Davol Budlong, Chicago, Ill., assignor to Zenith Radio Corporation, Chicago, Ill., a corporation of Illinois
Application April 30, 1941, Serial No. 100,714
Term of patent 14 years



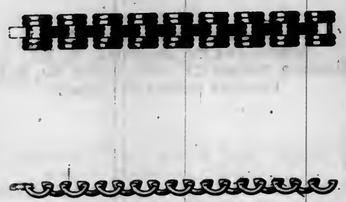
The ornamental design for a dial escutcheon for a radio set, as shown.

129,520
DESIGN FOR A DIAL ESCUTCHEON FOR A RADIO SET
Robert Davol Budlong, Chicago, Ill., assignor to Zenith Radio Corporation, Chicago, Ill., a corporation of Illinois
Application April 30, 1941, Serial No. 100,715
Term of patent 14 years



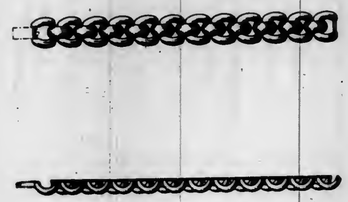
The ornamental design for a dial escutcheon for a radio set, as shown.

129,521
DESIGN FOR A BRACELET
Michael Chernow, New York, N. Y.
Application July 3, 1941, Serial No. 101,877
Term of patent 7 years



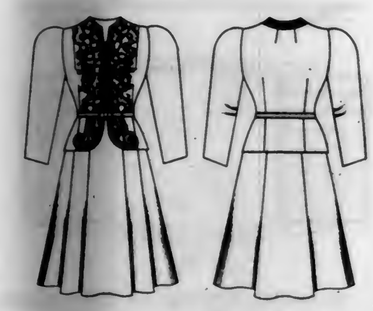
The ornamental design for a bracelet, substantially as shown.

129,522
DESIGN FOR A BRACELET
Michael Chernow, New York, N. Y.
Application July 3, 1941, Serial No. 101,878
Term of patent 7 years



The ornamental design for a bracelet, substantially as shown.

129,523
DESIGN FOR A DRESS
George Constantine, New York, N. Y.
Application August 12, 1941, Serial No. 102,793
Term of patent 3½ years



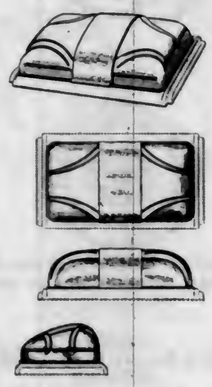
The ornamental design for a dress, substantially as shown and described.

129,524
DESIGN FOR A COAT
Angelo Del Re, Brooklyn, N. Y.
Application August 23, 1941, Serial No. 102,993
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

129,525
DESIGN FOR A DISPLAY CASE
John B. Guttman, Elmhurst, N. Y., assignor to Arrow Manufacturing Company, Incorporated, Hoboken, N. J., a corporation of New Jersey
Application May 7, 1941, Serial No. 100,824
Term of patent 7 years



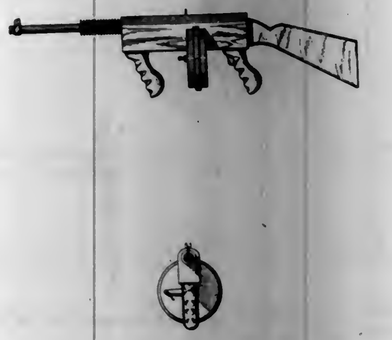
The ornamental design for a display case, substantially as shown and described.

129,526
DESIGN FOR A COMBINED MASCARA APPLICATOR AND EYELASH CURLER
Arthur O. Hanisch, Altadena, Calif.
Application January 23, 1941, Serial No. 98,300
Term of patent 14 years



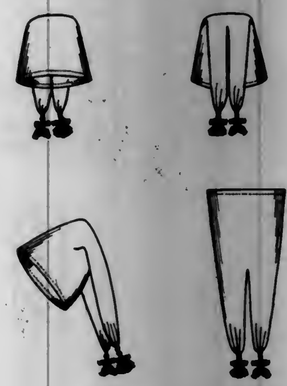
The ornamental design for a combined mascara applicator and eyelash curler, as shown and described.

129,527
DESIGN FOR A GALLERY AIR MACHINE GUN
Bert A. Hannigan, Van Nuys, Calif.
Application May 27, 1940, Serial No. 92,633
Term of patent 7 years



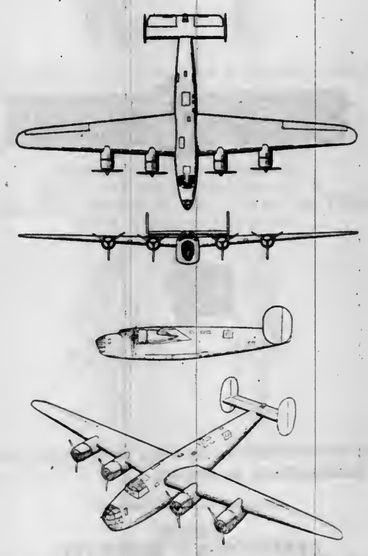
The ornamental design for a gallery air machine gun, substantially as shown.

129,528
DESIGN FOR A HAT OR SIMILAR ARTICLE
Rose Jacobson, New York, N. Y.
Application July 29, 1941, Serial No. 102,534
Term of patent 3½ years



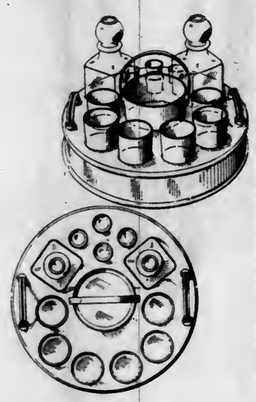
The ornamental design for a hat or similar article, substantially as shown.

129,529
DESIGN FOR AN AIRPLANE
Isaac M. Laddon, San Diego, Calif., assignor to Consolidated Aircraft Corporation, a corporation of Delaware
Application October 25, 1940, Serial No. 96,067
Term of patent 14 years



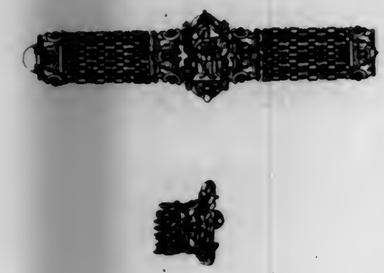
The ornamental design for an airplane, substantially as shown.

129,530
DESIGN FOR A COCKTAIL SERVER
Ben B. Manaster, Chicago, Ill.
Application November 25, 1940, Serial No. 96,786
Term of patent 3½ years



The ornamental design for a cocktail server, as shown and described.

129,531
DESIGN FOR A BRACELET OR THE LIKE
Louis C. Mark, Providence, R. I., assignor to Rice-Weiner and Company, Providence, R. I.
Application June 30, 1941, Serial No. 101,807
Term of patent 3½ years



The ornamental design for a bracelet or the like, substantially as shown.

129,532
DESIGN FOR A NECKLACE
Louis C. Mark, Providence, R. I., assignor to Rice-Weiner and Company, Providence, R. I.
Application June 30, 1941, Serial No. 101,808
Term of patent 3½ years



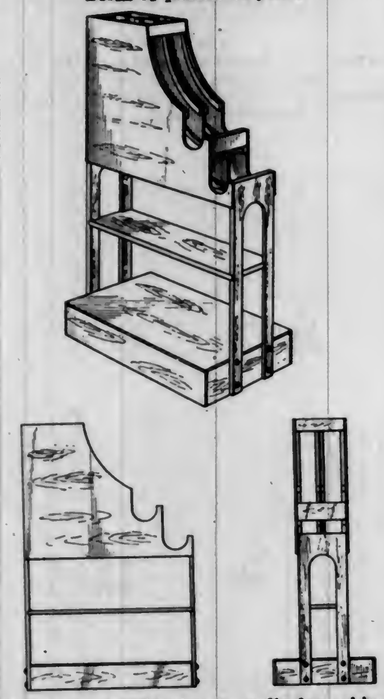
The ornamental design for a necklace, substantially as shown.

129,533
DESIGN FOR A BROOCH OR THE LIKE
Louis C. Mark, Providence, R. I., assignor to Rice-Weiner and Company, Providence, R. I.
Application June 30, 1941, Serial No. 101,809
Term of patent 3½ years



The ornamental design for a brooch or the like, substantially as shown.

129,534
DESIGN FOR A DISPLAY CABINET
Richard A. Maurer, Seattle, Wash.
Application January 15, 1941, Serial No. 98,065
Term of patent 14 years



The ornamental design for a display cabinet, as shown.

129,535
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
David Mir, New York, N. Y.
Application August 16, 1941, Serial No. 102,894
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

129,536
DESIGN FOR A LAUNDRY TRAY COVER
Ralph M. Moon and Irene Moon, Los Angeles, Calif.
Application November 12, 1940, Serial No. 96,473
Term of patent 7 years



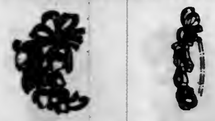
The ornamental design for a laundry tray cover, substantially as shown.

129,537
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Eugene J. O'Brien, Burbank, Calif.
Application August 4, 1941, Serial No. 102,677
Term of patent 3½ years



The ornamental design for a brooch or similar article, as shown.

129,538
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application August 16, 1941, Serial No. 102,881
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

129,539
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application August 16, 1941, Serial No. 102,882
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

129,540
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application August 16, 1941, Serial No. 102,883
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

129,541
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application August 16, 1941, Serial No. 102,884
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

129,542
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application August 16, 1941, Serial No. 102,885
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

129,543
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application August 16, 1941, Serial No. 102,886
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

129,544
DESIMLAR ARTICLE
Alfred Philippe, New York, N. Y.
Application August 16, 1941, Serial No. 102,887
Term of patent 3½ years



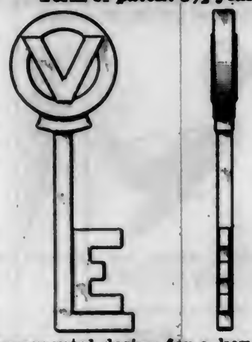
The ornamental design for a brooch or similar article, substantially as shown.

129,545
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application August 16, 1941, Serial No. 102,888
Term of patent 3½ years



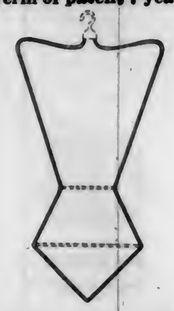
The ornamental design for a brooch or similar article, substantially as shown.

129,546
DESIGN FOR A KEY
Charles L. Ragot, New York, N. Y.
Application May 11, 1940, Serial No. 92,312
Term of patent 3½ years



The ornamental design for a key, as shown.

129,547
DESIGN FOR A GARMENT HANGER
Gilbert J. Rhodes, New York, N. Y.
Application July 9, 1941, Serial No. 101,987
Term of patent 7 years



The ornamental design for a garment hanger substantially as shown and described.

129,548
DESIGN FOR A GLIDER AIRPLANE
Charles F. Rocheville, Long Beach, Calif., assignor to Eugene F. McDonald, Jr., Chicago, Ill.
Application March 21, 1941, Serial No. 99,760
Term of patent 14 years



The ornamental design for a glider airplane, as shown.

129,549
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Spaney, New York, N. Y.
Application August 16, 1941, Serial No. 102,889
Term of patent 3½ years



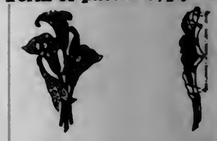
The ornamental design for a brooch or similar article, substantially as shown.

129,550
DESIGN FOR A PIN CLIP
Alfred Spaney, New York, N. Y.
Application August 16, 1941, Serial No. 102,890
Term of patent 3½ years



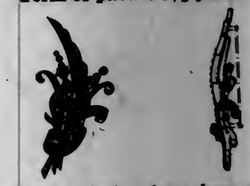
The ornamental design for a pin clip, substantially as shown.

129,551
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Spaney, New York, N. Y.
Application August 16, 1941, Serial No. 102,891
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

129,552
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Spaney, New York, N. Y.
Application August 16, 1941, Serial No. 102,892
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

129,553
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Spaney, New York, N. Y.
Application August 16, 1941, Serial No. 102,893
Term of patent 3½ years



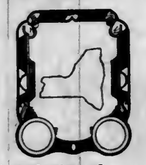
The ornamental design for a brooch or similar article, substantially as shown.

129,554
DESIGN FOR A STAMP OR SIMILAR ARTICLE
Arthur Strauss, New York, N. Y.
Application June 23, 1941, Serial No. 101,623
Term of patent 3½ years



The ornamental design for a stamp or similar article, substantially as shown and described.

129,555
DESIGN FOR A STAMP OR SIMILAR ARTICLE
Arthur Strauss, New York, N. Y.
Application June 23, 1941, Serial No. 101,624
Term of patent 3½ years



The ornamental design for a stamp or similar article, substantially as shown and described.

129,556
DESIGN FOR A STAMP OR SIMILAR ARTICLE
Arthur Strauss, New York, N. Y.
Application June 23, 1941, Serial No. 101,625
Term of patent 3½ years



The ornamental design for a stamp or similar article, substantially as shown and described.

129,557
DESIGN FOR A STAMP OR SIMILAR ARTICLE
Arthur Strauss, New York, N. Y.
Application June 23, 1941, Serial No. 101,626
Term of patent 3½ years



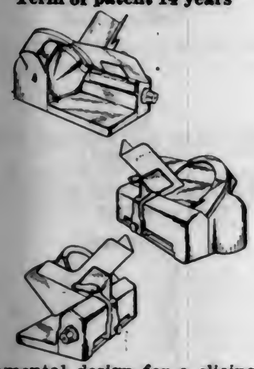
The ornamental design for a stamp or similar article, substantially as shown and described.

129,558
DESIGN FOR A STAMP OR SIMILAR ARTICLE
Arthur Strauss, New York, N. Y.
Application July 9, 1941, Serial No. 101,995
Term of patent 3½ years



The ornamental design for a stamp or similar article, substantially as shown and described.

129,559
DESIGN FOR A SLICING MACHINE
George R. Wood, Montreal, Quebec, Canada
Application June 26, 1941, Serial No. 101,709
Term of patent 14 years



The ornamental design for a slicing machine, as shown.

129,560
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Gene Verrecchio, Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application August 8, 1941, Serial No. 102,732
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

129,561
DESIGN FOR A DRESS
Lucy Hoshafian, New York, N. Y.
Application August 27, 1941, Serial No. 103,038
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

129,562
DESIGN FOR A DRESS
Margot Kops McClintock, Solesbury, Pa.
Application August 27, 1941, Serial No. 103,044
Term of patent 3½ years



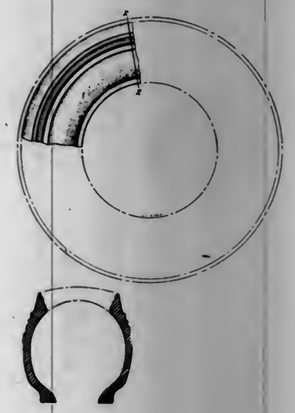
The ornamental design for a dress, substantially as shown.

129,563
DESIGN FOR A DRESS
Ruth Richman, New York, N. Y.
Application August 27, 1941, Serial No. 103,041
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,564
DESIGN FOR A TIRE
John G. Rideout, Cleveland, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application November 22, 1940, Serial No. 96,740
Term of patent 3½ years



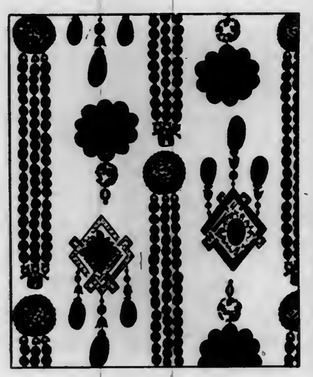
The ornamental design for a tire, as shown.

129,565
DESIGN FOR A TEXTILE FABRIC
Samuel Bernard Schaeffer, Jackson Heights, N. Y.
Application August 23, 1941, Serial No. 102,999
Term of patent 3½ years



The ornamental design for a textile fabric. substantially as shown.

129,566
DESIGN FOR A TEXTILE FABRIC
Samuel Bernard Schaeffer, Jackson Heights, N. Y.
Application August 23, 1941, Serial No. 103,000
Term of patent 3½ years



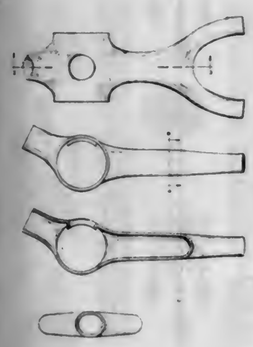
The ornamental design for a textile fabric, substantialy as shown.

129,567
DESIGN FOR A TEXTILE FABRIC
Samuel Bernard Schaeffer, Jackson Heights, N. Y.
Application August 23, 1941, Serial No. 103,001
Term of patent 3½ years



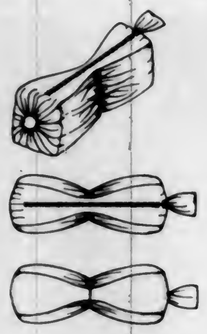
The ornamental design for a textile fabric, substantially as shown.

129,568
DESIGN FOR A BICYCLE FRAME JOINT OR SIMILAR ARTICLE
Herman L. Kraeft, Cleveland Heights, Ohio, assignor to The Murray-Ohio Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Continuation of application Serial No. 91,225, March 25, 1940. This application May 16, 1941, Serial No. 100,900
Term of patent 7 years



The ornamental design for a bicycle frame joint or similar article, substantially as shown.

129,569
DESIGN FOR A HANDBAG
Irving Pichel, New York, N. Y.
Application August 27, 1941, Serial No. 103,039
Term of patent 3½ years



The ornamental design for a handbag, substantially as shown.

129,570
DESIGN FOR A PIN OR THE LIKE
Louis C. Mark, Providence, R. I., assignor to Rice-Weiner and Company, Providence, R. I.
Application August 2, 1941, Serial No. 102,667
Term of patent 3½ years



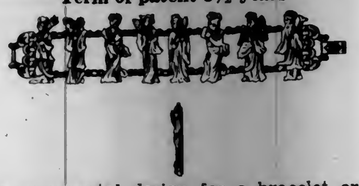
The ornamental design for a pin or the like, substantially as shown.

129,571
DESIGN FOR A NECKLACE OR THE LIKE
Louis C. Mark, Providence, R. I., assignor to Rice-Weiner and Company, Providence, R. I.
Application August 2, 1941, Serial No. 102,668
Term of patent 3½ years



The ornamental design for a necklace or the like, substantially as shown.

129,572
DESIGN FOR A BRACELET OR THE LIKE
Louis C. Mark, Providence, R. I., assignor to Rice-Weiner and Company, Providence, R. I.
Application August 2, 1941, Serial No. 102,669
Term of patent 3½ years



The ornamental design for a bracelet or the like, substantially as shown.

129,573
DESIGN FOR A PIN OR THE LIKE
Louis C. Mark, Providence, R. I., assignor to Rice-Weiner and Company, Providence, R. I.
Application August 2, 1941, Serial No. 102,670
Term of patent 3½ years



The ornamental design for a pin or the like, substantially as shown.

129,574
DESIGN FOR A DRESS
Margot Kops McClintock, Solesbury, Pa.
Application August 27, 1941, Serial No. 103,043
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,575
DESIGN FOR A COMBINED PLEATED AND EMBROIDERED FABRIC
Joseph Nachman, Philadelphia, Pa., assignor to L. Nachman & Sons, Philadelphia, Pa., a partnership composed of Louis Nachman, Joseph Nachman, and Jack Nachman
Application May 28, 1941, Serial No. 101,211
Term of patent 14 years



The ornamental design for a combined pleated and embroidered fabric, as shown.

Patents Nos. 2,256,463 to 2,257,085

THE

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September 23, 1941

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T. M. Renewals	81			
Reissues	4	No. 21,903 to No.	21,906,	inclusive.
Plant Patents	2	No. 489 to No.	490,	inclusive.
Patents	623	No. 2,256,463 to No.	2,257,085,	inclusive.
Designs	121	No. 129,576 to No.	129,696,	inclusive.
Total	1,027			

Notice

[Public Law—239, Approved August 21, 1941]

Item 5 of the petition for license (Form DL—1 or DL—2) should be answered by indicating the post office at which it is proposed to present for mailing the sealed and addressed letter package (containing the application or amendment to an application to be filed in a foreign country). *Only* the following post offices are available for this purpose at the present time and *only one* should be designated for each letter package.

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Birmingham, Ala.
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Cleveland Ohio
Denver, Colo.
Detroit, Mich.
Erie, Pa.
Fort Wayne, Ind.
Galveston, Tex.
Gary, Ind.
Harrison, N. J.
Indianapolis, Ind.
Kansas City, Kan.
Kansas City, Mo.
Los Angeles, Calif.
Lynn, Mass.
Madison, Wis.
Milwaukee, Wis.
Minneapolis, Minn.
Mobile, Ala.
New Orleans, La.
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Portland, Oreg.
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Seattle, Wash.
St. Louis, Mo.
Schenectady, N. Y.
South Bend, Ind.
Trenton, N. J.
Washington, D. C.
Wilmerding, Pa.
Worcester, Mass.

Trade-Mark Registrations Canceled

20,460. Anaesthetics or hypnotics. J. Kahlbaum, Berlin, Germany. Registered December 15, 1891. Canceled September 3, 1941.

112,284. Certain named footwear. The Hurlbut Co. Limited, Preston, Ontario, Canada. Registered August 29, 1916. Canceled August 1, 1941.

181,745. Mayonnaise and salad dressing. Andrew Rohan Company, Cincinnati, Ohio. Registered March 25, 1924. Canceled September 3, 1941.

187,122. Certain named clothing. Daisy W. Mell, Athens, Ga. Registered July 29, 1924. Canceled August 1, 1941.

215,251. Cleanser. Hoge Edmundson Richardson, doing business as Rite-Wa Cleaning Co., Washington, D. C. Registered July 13, 1926. Canceled September 3, 1941.

327,801. Bulk vegetable shortening. The Procter & Gamble Company, Cincinnati, Ohio. Registered September 3, 1935. Canceled September 3, 1941.

350,127. Refrigerators. Gibson Electric Refrigerator Corporation, Greenville, Mich. Registered September 14, 1937. Canceled September 3, 1941.

359,375. Amplifying and oscillographic recording systems. Electro-Medical Laboratory, Inc., Holliston, Mass. Registered August 16, 1938. Canceled September 3, 1941.

378,841. Pharmaceutical preparations. Olden Minerals, Incorporated, Los Angeles, Calif. Registered June 18, 1940. Canceled September 3, 1941.

385,037. Fresh citrus fruits. South Lake Apopka Citrus Growers Association, Tildenville, Fla. Registered February 11, 1941. Canceled September 3, 1941.

Disclaimer

2,157,313.—*Fred W. Alles*, Glassport, and *Frank N. Sarber*, McKeesport, Pa. Conditioning Metal Stock While in Transit. Patent dated May 9, 1939. Disclaimer filed September 2, 1941, by the assignee, *National Tube Company*.

Hereby enters this disclaimer to claim 5 of said specification.

Drawings

Attention is called to paragraphs *g* and *i* of Rule 52 of the Rules of Practice of the Patent Office, and inventors and attorneys are directed to omit from the space outside of the marginal line of the drawings any marks of identification, inasmuch as the space referred to is reserved for the use of the Patent Office. Such identifying marks should be placed upon the back of the drawings.

Condition of Applications Under Examination at Close of Business September 6, 1941

(Total number of applications awaiting action, excluding Trade-Mark Division, 45,091; Trade-Mark Division, 1,176. Oldest new case, Dec. 6, 1940; oldest amended, Dec. 12, 1940.)
(The dates given are 1941 except where † indicates 1940)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Feb. 1	Feb. 1	757
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Apr. 26	Apr. 15	497
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	June 18	June 20	486
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating, Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	May 27	May 20	591
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Apr. 16	Apr. 14	478
4898 C	6. LEWERS, A. M., Carbon Chemistry (part)	Feb. 10	Feb. 14	1134
5725	7. JARBOE, C. G., Optics; Photography	Mar. 14	Mar. 13	1000
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	Mar. 10	Mar. 10	905
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Apr. 1	Apr. 2	605
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Apr. 2	Apr. 2	573
3087 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	May 3	May 7	429
7701	12. SPINTMAN, SAMUEL, (Act.), Machine Elements; Mechanical Starters; Stop Mechanisms	Apr. 8	Apr. 3	634
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Feb. 10	Feb 17	600
5097	14. FREEHOF, H. B., (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	May 10	May 10	542
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Mar. 14	Mar. 7	1132
5716	16. SPENCER, C. J., Telegraphy; Telephony	Apr. 26	Apr. 14	499
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	May 5	May 6	654
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Mar. 31	Mar. 26	392
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Mar. 25	Apr. 3	783
6805	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Sales; Undertaking; Bread, Pastry, and Confection Making.	Mar. 27	Mar. 26	478
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	May 16	May 15	316
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	†Dec. 11	†Dec. 12	1356
7624	23. BUTTNER, W. J., Registers (part)	Jan. 30	†Dec. 28	208
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Apr. 9	Apr. 14	877
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	May 2	May 3	547
5993	26. YOUNG, R. R., Electricity, Generation; Motive Power	May 1	May 1	423
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	Apr. 7	Mar. 29	548
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Elements; Cylinders and Pistons	Apr. 24	Apr. 4	373
8062	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	Mar. 11	Mar. 14	783
4083	30. McCANN, L. P., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	May 10	May 7	457
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Mar. 21	Mar. 21	1439
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Mar. 27	Mar. 28	896
6096	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads.	Apr. 7	Apr. 3	1085
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Surface Track; Track Sanders; Draft Appliances; Signals and Indicators.	Jan. 23	Jan. 21	547
2876	35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Portable Receptacles	Mar. 11	Mar. 7	1012
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Mar. 31	Apr. 1	568
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Apr. 30	Apr. 29	606
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	†Dec. 6	†Dec. 16	1358
4878	39. WHITNEY, F. L., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	May 17	May 17	474
7880	40. DRUMMOND, E. J., Metallic, Wood, Paper, and Special Receptacles	Feb. 19	Feb. 19	1772
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Apr. 14	Apr. 7	538
3862	42. CUTTING, H. O., Electric Signaling	May 17	May 3	327
4886 B	43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Mar. 29	Apr. 1	638
4087 B	44. HARVEY, L. P., Refrigeration	Mar. 6	Mar. 4	603
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	May 26	May 29	334
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Mar. 11	Mar. 11	813
6082	47. KANOF, W. J., Clutches; Brakes	May 8	Apr. 14	433
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	May 5	May 8	563
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Mar. 1	Mar. 3	760
4701	50. LEVIN, S., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	Mar. 10	Mar. 10	1206
5628	51. BACKUS, C. D., Radiant Energy (part)	June 19	June 14	452
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Apr. 5	Apr. 16	640
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Jan. 25	Jan. 25	738
5883	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	May 9	May 7	361
6983	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Apr. 10	Apr. 28	326
4726	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	Feb. 5	Feb. 8	1251
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	Feb. 14	June 2	178
5895	58. DOWELL, E. F., Abrading; Bottles and Jars	Mar. 20	Mar. 1	536
4709	59. SHEPPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	Mar. 3	Mar. 12	1069
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Apr. 21	May 22	401
6724	61. YUNG KWAI, B., Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Feb. 3	Jan. 21	635
5621	62. PUGH, E. C., Games; Geometrical Instruments	May 16	May 5	601
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	Feb. 8	Feb. 17	1150
4708	64. NASH, F. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	June 4	June 4	611
3612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	May 31	June 4	446
2099 B	Trade-Marks: F. A. RICHMOND	July 28	Aug. 18	1176
2905	Designs: H. H. KALUPY	July 31	Aug. 12	545

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

FINCH *v.* DILLENBACK, JR.

Nos. 4,413 and 4,414. Decided June 9, 1941

[121 F.(2d) 459]

Appeal No. 4,413

1. INTERFERENCE—CONSTRUCTION OF COUNT.

"We are of opinion that the language in count 3—'a source of audio-frequency carrier current, means for generating signals in accordance with the shading of a picture to be transmitted and for modulating said audio-frequency current'—is unambiguous and calls for a source of audio-frequency carrier current and, in addition thereto, means for modulating such audio-frequency carrier current. However, if that language is open to more than one interpretation and is, therefore, ambiguous it should be construed in the light of appellant's patent where the count originated and where there is a clear disclosure of a source of audio-frequency carrier current and, in addition thereto, means for modulating such audio-frequency carrier current."

2. SAME—RIGHT TO MAKE COUNT—EXTRINSIC EVIDENCE.

Upon the question whether an application discloses the combination of elements set forth in the count of an interference *Held* to be of no concern that an element was well known in the art or that the applicant had used such an element in his experiments and tests.

3. SAME—REDUCTION TO PRACTICE—EVIDENCE OF.

"In view of the testimony * * * and the teachings in appellee's application that it was not necessary, in order 'to provide the maximum electro-magnetic coupling to the said induction coil' in the telephone box, that the transmitter inductance means and the induction coil in the telephone box be in approximate coaxial arrangement, it would seem to be clear that, although appellee may have placed his transmitter inductance means in coaxial relation with the induction coil in the telephone box in his several reductions to practice of his system for the transmission of picture signals over a telephone line, he has failed to establish beyond a reasonable doubt that in any of such reductions to practice his transmitter inductance means was, in fact, in coaxial relation with the induction coil in the telephone box."

4. SAME—ORIGINALITY—FAILURE TO REBUT CHARGE OF DERIVATION.

Where in testimony given by witnesses for the party D the charge was made against the party F that he derived his knowledge of a system for the transmission of picture signals over a telephone line wherein a picture transmission apparatus is coupled to a telephone line by means of an inductive coupler, through said witnesses, and F did not testify nor call anyone to testify in his behalf, *Held* that the charge is established.

5. SAME—SAME.

Where the disclosure to party F by his opponent's witnesses, though lacking one limitation, nevertheless was sufficient to enable F to practice the invention defined in certain counts without the exercise of anything more than mere mechanical skill *Held* that F is not an original inventor of the subject matter defined in said counts.

6. SAME—PRIORITY.

Record reviewed and *Held* that priority should have been awarded to party F as to count 3 because the party D has no right to make that count but that priority as to counts 1 and 2 properly was awarded to party D as the original inventor of the subject matter thereof.

Appeal No. 4,414

7. SAME—SAME.

Record reviewed and *Held* that priority properly was awarded to the party D as the original inventor.

APPEAL from Patent Office (4,413). Modified.
APPEAL from Patent Office (4,414). Affirmed.

Mr. Samuel Ostrolenk (*Mr. Sidney G. Faber* of counsel) for Finch.

Mr. John J. Rogan (*Mr. George Norris* and *Mr. Guy Atkinson* of counsel) for Dillenback, Jr.

HATFIELD, *J.*:

These are appeals in interference proceedings from decisions of the Board of Appeals of the United States Patent Office affirming the decisions of the Examiner of Interferences awarding priority of the inventions defined in counts 1, 2, and 3 in interference No. 73,335 (appeal No. 4,413) and counts 1 to 11, inclusive, in interference No. 73,813 (appeal No. 4,414) to appellee Garrett Van Der Veer Dillenback, Jr.

No evidence was introduced by appellant in either of the involved interferences. Accordingly, he is confined to the filing dates of his applications which matured into the patents here involved for conception and constructive reduction to practice.

It was stipulated by counsel for the parties during the proceedings in the Patent Office that as the evidence introduced by appellee in interference No. 73,335 would be substantially the same as that introduced by him in interference No. 73,813 it might be considered with the same force and effect as though introduced in each interference. Furthermore, for the purpose of the hearing in this court, the records in the interferences were consolidated. Accordingly, we shall dispose of the issues involved in the two appeals in one opinion.

Appeal No. 4,413—Interference No. 73,335

The interference is between appellant's Patent No. 2,047,863, issued July 14, 1936, on an application, Serial No. 65,869, filed February 26, 1936, and appellee's application, Serial No. 107,524, filed October 26, 1936.

Appellee is the junior party, and as his application was filed subsequent to the issuance of appellant's patent the burden was upon him to establish priority of invention beyond a reasonable doubt.

The counts in issue originated in appellant's patent.

Count 1, which is illustrative of count 2, and count 3 read:

1. In combination, a telephone line having a subscriber station including a phone-box unit at opposite ends thereof; an induction coil in each phone-box unit connected in said line at each of said stations; a transmitter for generating a carrier wave modified by signals; inductance means coaxial with one of said induction coils for electrically inducing said generated signals into said line when said stations are in operative connection; means coupled with the other of said induction coils for picking-up said signals; and a receiver connected to said last mentioned means to be operated by said picked-up signals.

3. In a system for transmitting picture signals over a telephone line having a subscriber station with a phone-

box at each end thereof and an induction coil in each phone-box, *a source of audio-frequency carrier current, means* for generating signals in accordance with the shading of a picture to be transmitted and *for modulating said audio frequency current;* means controlled by said signals for electrically inducing corresponding signals into one end of said telephone line comprising a solenoid cooperable with the induction coil at said first end of the telephone line; a receiving station coupled with the other end of said telephone line having means for receiving said picture signals and means for translating said signals. [Italics ours.]

The invention in issue relates to a system or a combination of elements (each of which elements the Primary Examiner stated was old per se), for the transmission of picture signals over a telephone line, wherein picture transmission apparatus is associated or coupled to a telephone line by means of "inductive coupling," as set forth in the counts in issue.

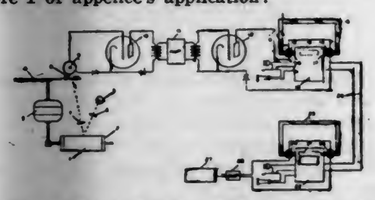
During the motion period, appellant moved to dissolve the interference on the ground that appellee had no right to make the claims constituting the counts in issue.

The motion was overruled by the Primary Examiner.

It is not contended here by counsel for appellant that appellee is not entitled to make counts 1 and 2, and apparently the issue of appellee's right to make those counts was not raised before the Board of Appeals. However, it is contended here by counsel for appellant, as it was before the Board of Appeals, that appellee is not entitled to make count 3 for the reason that that count calls for "*a source of audio-frequency carrier current*" and means "for modulating said audio frequency current" [italics ours], and that, although appellee discloses means for producing a modulated carrier current, he does not disclose a source of unmodulated carrier current and means for modulating such carrier current.

The Primary Examiner held, and his holding has not been questioned, that appellant discloses in his patent a source of audio-frequency carrier current and, in addition thereto, means for modulating said audio-frequency carrier current.

For the purpose of clarity, we here reproduce Figure 1 of appellee's application:



In his original decision holding that appellee disclosed a source of audio-frequency carrier current and means for modulating such audio-frequency carrier current, and that, therefore, he was entitled to make count 3 here in issue, which was numbered count 5 in the interference as originally declared, the Primary Examiner said:

In Dillenback's disclosure the light source 5, rotating chopper disc 4, and cell 9 generate a carrier wave. The light from source 5 is projected in the form of a spot of elemental area upon the picture 1. *The output of cell 9 will then be an audio-frequency carrier current modulated in accordance with the picture current signals.* Finch argues that Dillenback generates directly a modulated carrier; that he does not "separately" generate a carrier and then modulate that carrier as Finch does and here claims; and Dillenback does not modulate a current. The word "separately" is not in the count.

* * * * * * *

Dillenback generates an audio frequency current when the picture 1 is stationary. Changes in shading of the picture generates signals in accordance with the shading of the picture to be transmitted when chopper disc 4 is stationary. When both picture and disc are moving *photo-cell 9 is an element of the means for generating audio frequency current and an element of the means for generating signals in accordance with the shading of a picture to be transmitted and for modulating said audio frequency current.* [Italics ours.]

In his decision on appellant's motion for reconsideration of his original decision, the Primary Examiner said:

Dillenback discloses a system of light modulation embodying a light chopper for *generating a carrier current* similarly to Howey. *This is his source of carrier current.* Preferably, the number of perforations in the disc 4 is chosen and the disc speed is such that the regular frequency current from the cell 9 is of an audio-frequency, for example 1300 cycles per second, see page 3 of his specification. Further on this same page he describes the output of cell 9 as "an audio-frequency carrier current modulated in accordance with the picture current signals."

Dillenback generates a carrier current by means of light reflected from cylinder 2 and modulates this carrier current by moving picture 1 in the light path. [Italics ours.]

In his decision the Examiner of Interferences stated, inter alia:

It is true that in the first instance the energy is in the form of light rays but *these light rays are changed to electric current by the photoelectric cell and the light chopper seems to be as much a source of audio-frequency carrier current as any other means.* [Italics not quoted.]

The Board of Appeals stated in its decision that count 3

"does not specify means which operate in succession in producing the modulated carrier current and we believe, therefore, that when the party Dillenback *produces simultaneously a modulated carrier current, he has provided a means for producing the carrier current and a means for modulating it.*" [Italics not quoted.]

Appellee, in describing the apparatus disclosed in Figure 1, states in his application that the picture to be transmitted may be wrapped around the cylindrical drum 2, and that—

* * * the drum 2 is driven from a synchronous motor 3 at the proper speed and also driven by motor 3 is an interrupter or chopper disc 4 having a series of perforations around its margin for purposes about to be described.

Associated with the scanning drum is a source 5 of steady light preferably capable of producing a concentrated spot of light. Positioned in front of source 5 is a suitable condensing lens system 6 by means of which the light from source 5 is projected in the form of a spot of elemental area upon the picture 1. Also associated with the scanning drum 2 is an objective lens for collecting the reflected light from the illuminated elemental area of the picture and focussing it upon the aperture in the apertured diaphragm 8. Suitably mounted adjacent the aperture in diaphragm 8 is a light sensitive cell 9, preferably although not necessarily of the Elster-Geitel type. The electro-optical system is so arranged that the reflected light beam 10 passes through the marginal perforations in the rotating disc 4. *Consequently as the picture is being scanned, there is produced in the output of cell 9 a current having a regular frequency determined by the number of times per second the disc 4 interrupts the light beam 10,* and this current will have instantaneous amplitude variations determined by the shade characteristics of the successive elemental areas of the picture 1. Preferably the number of perforations in the disc 4 is chosen and the disc speed is such *that the regular frequency current from the cell 9 is of an audio-frequency,* for example 1300 cycles per second. *The output of cell 9 will then be an audio-frequency carrier current modulated in accordance with the picture current signals.* It will be understood of course that any other well-known method of translating the picture shade characteristics into a correspondingly modulated audio-frequency carrier current may be employed. [Italics ours.]

On cross-examination appellee testified that the function of the interrupter or chopper disc, which he referred to as a "light chopper," is

"to make the output of the transmitter in the form of a modulated carrier which would be handled over the telephone lines. In the absence of the light chopper, the amplifier used and the telephone lines themselves would not be able to transmit picture signals."

He further stated that in his opinion the light leaving the chopper disc is in the "form of a modulated carrier before it reaches the photo-cell," and *that such modulated carrier was not a carrier current* but a "light carrier." We quote further from his testimony:

XQ. 236. You mean that the light is modulated by the light from the scanned pictures?

A. The resultant light after it has passed through the *light chopper consists of a carrier current in the form of a pulsating light beam upon which is superimposed a modulation introduced by the scanning* of the picture.

XQ. 237. Well, let us be clear and consistent, Mr. Dillenback. You stated it was not a carrier current but a carrier light?

A. *It is a carrier. Instead of being in the form of an electric current it is in the form of a light beam.*

XQ. 238. *And a light beam is exactly the same as an electric current?*

A. *I did not say that. The light beam can be a carrier. Sound can be a carrier. Whenever you talk, you make use of the principle of a modulated carrier.*

* * * * * * *

XQ. 239. In Figure 1 of your patent application, you show a single source of light which is reflected from the picture scanned and intercepted by the chopper disc. Where is the light carrier there, if you say that a light carrier is present when you chop a beam by a chopper disc?

A. May I see the diagram referred to?

* * * * * * *

A. (Continued.) The light carrier is present here between the chopper disc and the photo-cell. It consists of a pulsating beam of light which varies in intensity with the light and shade of the picture being scanned. In other words, it carries picture modulations superimposed upon it. [Italics ours.]

It further appears from the testimony of appellee and from other testimony of record that appellee had used a generator for producing an unmodulated carrier current prior to the filing of his involved application.

We think it is clear from what has been said that appellee's application contains no disclosure of a source of audio-frequency carrier current and means for modulating such audio-frequency carrier current. On the contrary, in appellee's disclosure, a modulated light beam is translated into a modulated audio-frequency carrier current by his photo-electric cell 9.

[1] We are of opinion that the language in count 8—

"a source of audio-frequency carrier current, means for generating signals in accordance with the shading of a picture to be transmitted and for modulating said audio frequency current"

—is unambiguous and calls for a source of audio-frequency carrier current and, in addition thereto, means for modulating such audio-frequency carrier current. However, if that language is open to more than one interpretation and is, therefore, ambiguous it should be construed in the light of appellant's patent where the count originated and where there is a clear disclosure of a source of audio-frequency carrier current and, in addition thereto, means for modulating such audio-frequency carrier current. *Ernest M. Brogden* v. *Henry B. Slater*, 17 C. C. P. A. (Patents) 1240, 40 F.(2d) 988, 399 O. G. 630; *In re Alexander M. Nicolson*, 18 C. C. P. A. (Patents) 1468, 49 F.(2d) 961, 412 O. G. 838; *Neumair* v. *Malocsay*, 22 C. C. P. A. (Patents) 1349, 77 F.(2d) 622, 461 O. G. 733; *Hausman* v. *Hochman*, 23 C. C. P. A. (Patents) 1162, 83 F.(2d) 703, 472 O. G. 496; *Bray et al.* v. *Tears*, 26 C. C. P. A. (Patents) 1103, 102 F.(2d) 877, 507 O. G. 8.

Counsel for appellee state in their brief that appellee's application discloses a

"separate alternator, and [that] the production model of the transmitter which was used prior to January, 1936, and including Exh. D–73, also employed a separate alternator for generating the carrier in place of the light chopper means [disclosed in appellee's application] for generating the carrier."

We have been unable to find any disclosure of a "separate alternator" or generator for producing an audio-frequency carrier current in appellee's application.

[2] In view of the fact that the question under consideration is whether appellee's application here involved discloses the invention defined in count 3, we are not here concerned with the fact that such a "separate alternator" or generator was well known in the art or that appellee had used such a device for producing an audio-frequency carrier current in his experiments and tests prior to or subsequent to the filing of appellant's application which matured into Patent No. 2,047,863. We must hold, therefore, that there is no disclosure in appellee's application of a source of audio-frequency carrier current and means for modulating such audio-frequency carrier current as called for in count 3, and that appellee, therefore, is not entitled to make that count.

It appears from the record that appellee suggested to the witness Austin G. Cooley the idea of using an "inductive coupler" in an apparatus for the transmission of picture signals over a telephone line on November 25, 1934; that, as early as January 29, 1935, an apparatus, including an "inductive coupler" was constructed and successfully operated; that during the month of February 1935 pictures were transmitted with such an apparatus from Chicago, San Francisco, and Los Angeles to New York; and that during the month of June 1935 apparatus including an "inductive coupler" was again successfully operated and pictures transmitted.

It is contended, however, by counsel for appellant that the evidence introduced by appellee does not establish that his inductance means was arranged to be coaxial with the induction coil in the telephone box as called for in counts 1 and 2.

It clearly appears from the evidence introduced by appellee that in his various reductions to practice, hereinbefore referred to, the transmitter inductance means or coil was placed on the telephone box and moved around thereon until the

"loudest signal, which * * * made for better transmissions,"

was obtained. There is no evidence that appellee's witnesses actually examined the induction coil in the telephone box and arranged the inductance coil of the transmitter coaxially therewith. However, as stated by the Examiner of Interferences, "the adjustment [by appellee and his witnesses] of the coil to different positions [on the telephone box] until maximum signal is obtained in the telephone receiver is exactly the method Finch sets forth in his patents for obtaining optimum or coaxial coupling."

In appellant's patent here involved it is stated, among other things, that—

The transmitter solenoid * * * is placed adjacent to the induction coil * * * to provide for optimum induction of the telecommunications signals therein. I

have found that when the axis * * * of [the] solenoid * * * coincides with the axis of the induction coil * * * maximum signal energy transfer is had. The solenoid * * * is placed as close as practicable to the one end of [the] induction coil * * * to insure maximum signal induction.

The patentee also states that the

"region of optimum coupling is determined in the following manner. The audio frequency carrier or tone from [the] generator * * * is introduced to the line through [an] amplifier * * * and impressed upon [the] solenoid * * * as hereinabove described. *This operation is preliminary to the transmission of the telecommunication signals for optimum adjustments of the transmitting and receiving apparatus.*" [Italics not quoted.]

In view of the fact that appellee used the same method for obtaining maximum signal induction as that set forth in appellant's patent, by means of which method, appellant stated in his patent, the "transmitter solenoid" would be in coaxial arrangement with the induction coil in the telephone box, it would seem to be clear, if there was no other evidence of record on the subject, that appellee had established that his transmitter inductance means and the induction coil in the telephone box were in coaxial arrangement. However, appellee testified that by placing the inductance means "near" the induction coil in the telephone box, the strongest signal would be secured and that, although the best results were obtained when the transmitter coil or inductance means was in that position, "it worked so well in other positions that we had no call to operate it in that position." Furthermore, appellee's witness Austin G. Cooley, who was familiar with the apparatus used by appellee in the transmission of pictures and who aided in such transmission, stated that, although the "inductive coupler" used to couple the picture transmitter to the telephone line was placed near the induction coil in the telephone box, they (meaning the witness and appellee) had no definite position that they adhered to; that it was not necessary to locate the inductive coupler in any exact position; and that the adjustment of the inductive coupler relative to the telephone box was not critical. Furthermore, appellee stated in his involved application that

"In some telephone boxes the induction coil is situated adjacent the top of the box and in others it is situated near the bottom of the box. It is quite obvious therefore that the magnet 15 [inductance means] should be so positioned with respect to box 18 [telephone box] as to provide the maximum electro-magnetic coupling to the said induction coil, *often, although not necessarily, with the poles of the magnet approximately coaxial with the induction coil.*" [Italics not quoted.]

[3] In view of the testimony hereinbefore referred to and the teachings in appellee's application that it was not necessary, in order "to provide the maximum electro-magnetic coupling to the said induction coil" in the telephone box, that the transmitter inductance means and the induction coil in the telephone box be in approximate coaxial arrangement, it would seem to be clear that, although appellee may have placed his transmitter inductance means in coaxial relation with the induction coil in the telephone box in his several reductions to practice of his system for the transmission of picture signals over a telephone line, he has failed to establish beyond a reasonable doubt that in any of such reductions to practice his transmitter inductance means was, in fact, in coaxial relation with the induction coil in the telephone box. However, the Examiner of Interferences and the Board of Appeals concurred in holding that appellant derived the inventive subject matter defined in counts 1 and 2 from appellee, and that appellant, therefore, was not an original inventor of the invention defined in those counts.

We shall now proceed to consider that issue.

Appellee's witness Fred E. Meinholtz testified that he was manager of "Communications" of the New York Times, a director and secretary of News Traffic Board, Ltd., and also a director and secretary of Press Wireless, Inc.; that he was familiar with appellee's apparatus for the transmission of picture signals over a telephone line, in which apparatus the transmitter was inductively coupled with the telephone line; that he had observed appellee's inductive coupler, identified in the record as Exhibit D-18, placed over the telephone box and fitted around it immediately prior to the transmission of pictures by appellee's apparatus; that he was present when several tests were made of appellee's apparatus; that he had known appellant since about 1924; that during the month of March 1935 appellant was an engineer in the employ of the Federal Communications Commission in Washington, D. C., and in charge of the telephone division; that sometime during that month he met appellant outside the hearing room of the Federal Communications Commission and went to appellant's office with him; that he then and there disclosed to appellant the "complete story" of appellee's apparatus and his process of transmitting pictures over the telephone line by means of an inductive coupler.

Appellee's witness Keith S. McHugh, vice president of the American Telephone and Telegraph Company, testified that on August 28, 1935, he talked with appellant and other representatives of the Federal Communications Commission—"Messrs. Finch, Roberson, O'Shaughnessy, Stark and Butts"—in appellant's office, and that during that conversation the use of an inductive coupler in the transmission of pictures over a telephone line was discussed.

That counsel for appellant was aware of the seriousness of the statements made by the witness McHugh as well as those made by the witness Meinholtz to the effect that appellant was not an original inventor, is clearly indicated by the following statement made by counsel to the witness McHugh during his cross-examination:

"Mr. McHugh, I want you to understand that your testimony, and you are the second witness who has testified along this line, *is of a nature which charges Mr. Finch with having, when he was an officer of the United States Government, stolen an idea he received in confidence while he was an officer. I cannot permit you to slur over exactly what you told him, because the nature of your testimony is very serious. We do not intend to stop merely with your testimony;* we are *going to investigate it further,* and I am *very happy all these other people were present when you gave all this very valuable information to Mr. Finch, which he stole, according to your testimony.*" [Italics not quoted.]

In reply to that statement, the witness McHugh stated that he was not making any effort to charge

appellant "with stealing anything"; that he was subpoenaed to testify in this proceeding; and that he only knew in a "general sort of way" the issues involved. The witness further stated that he was satisfied that everyone present at the conference in appellant's office understood probably better than he "what inductive coupling was."

[4] With full knowledge of the seriousness of the charge being made against him, that is, that he derived the invention from appellee's witnesses, appellant, nevertheless, did not testify nor did he call anyone to testify in his behalf, although, in view of the statement of counsel to appellee's witness McHugh, it may be presumed that those present at the conference in appellant's office were interrogated either by appellant or his counsel as to the accuracy of McHugh's testimony. Under such circumstances, we must accept the testimony of the witnesses Meinholtz and McHugh, particularly that of Meinholtz, as establishing beyond a reasonable doubt that, with the exception of the limitation contained in counts 1 and 2 that the transmitter inductance means is coaxial with the induction coil in the telephone box, appellant derived the invention defined in those counts from appellee and that he is not an original inventor of a system or a combination of elements for the transmission of picture signals over a telephone line wherein a picture transmission apparatus is coupled to a telephone line by means of an inductive coupler. *Winslow* v. *Austin*, 14 App. D. C. 137, 86 O. G. 2171; *Kempshall* v. *Royce*, 29 App. D. C. 181, 187, 129 O. G. 3102; *Hewlett* v. *Steinberger*, 40 App. D. C. 287, 293, 190 O. G. 270.

It is true that the limitation that the inductance means is coaxial with the induction coil in the telephone box, contained in counts 1 and 2, was not disclosed to appellant by either the witness Meinholtz or McHugh. However, both the Examiner of Interferences in the instant interference and the Board of Appeals in the companion interference (No. 73,813, in which the same issue was decided) held that that particular limitation in the counts would be obvious to one skilled in the art and, therefore, did not lend patentability to the involved counts, and that the disclosure to appellant by appellee's witnesses was sufficiently full and clear to enable appellant to practice the invention defined in counts 1 and 2 without the exercise of anything more than mere mechanical skill.

We are unable to hold on the record before us that the tribunals of the Patent Office erred in that respect.

[5] In view of the fact that the disclosure to appellant by appellee's witnesses was sufficient to enable appellant to practice the invention defined in counts 1 and 2 without the exercise of anything more than mere mechanical skill, we must hold that appellant is not an original inventor of the subject matter defined in those counts. *Alden* v. *Dewey*, 1 Fed. Cas. 329; *Rolfe* v. *Kaisling*, 32 App. D. C. 582, 589, 143 O. G. 562. See also *Davis* v. *Carrier*, 23 C. C. P. A. (Patents) 844, 81 F.(2d) 250, 466 O. G. 483, and *King* v. *Burner*, 24 C. C. P. A. (Patents) 1312, 90 F.(2d) 343, 485 O. G. 749.

[6] For the reasons stated, the decision of the Board of Appeals is modified, being reversed as to count 3 and in all other respects affirmed.

Modified.

Appeal No. 4,414—Interference No. 73,813

The interference is between appellant's Patent No. 2,048,604, issued July 21, 1936, on an application filed March 24, 1936, Serial No. 70,591 which is a division of his application No. 65,869 which matured into Patent No. 2,047,863 (involved in interference No. 73,335), and appellee's application, Serial No. 107,524, filed October 26, 1936.

Appellee is the junior party and, as his application was filed subsequent to the issuance of appellant's patent, the burden was upon him to establish priority of invention beyond a reasonable doubt.

The counts in issue (Nos. 1 to 11, inclusive) originated in appellant's patent.

Counts 1, 2, and 10 are illustrative of the counts here involved. They read:

Count 1. A transmitter for telepicture systems comprising a telephone box for housing telephone apparatus of a telephone system including an induction coil connected in the telephone system, a solenoid secured to said telephone box and arranged to be coaxial with said induction coil, means for inducing picture signals across said solenoid, and means for adjusting said coil in the coaxial line with said induction coil to obtain optimum coupling condition.

Count 2. A transmitter for telepicture systems comprising a telephone box for housing telephone apparatus of a telephone system including an induction coil connected in the telephone system, a pair of solenoids connected in parallel and secured to said telephone box, means for impressing picture signals in phase across said solenoids, and a common yoke for mechanically supporting said coils.

Count 10. In a system for transmitting electrical signals over a telephone line having a subscriber station with a phone box, means for generating a carrier wave modulated by signals to be transmitted; means comprising a solenoid secured to said box controlled by said signal-modulated carrier wave for generating an electrical field to electrically induce corresponding signals into one end of said telephone line; means for adjusting said solenoid for maximum efficiency, and a receiving station associated with the other end of said telephone line for receiving and translating said signals.

Counts 1 and 2 define a transmitter for telepicture systems.

Count 1 calls for a transmitter for telepicture systems comprising a telephone box for housing telephone apparatus including an induction coil connected in the telephone system, a solenoid secured to the telephone box and in coaxial arrangement with the induction coil therein, means for inducing picture signals across the solenoid, and means for adjusting the solenoid in coaxial relation with the induction coil in the telephone box "to obtain optimum coupling condition."

Count 2 is similar to count 1 except that it calls for a pair of solenoids connected in parallel.

The invention defined in count 10 relates to a system or a combination of elements for the transmission of picture signals over a telephone line, wherein picture transmission apparatus is coupled to a telephone line by means of an inductive coupler, and a receiving station associated with the "other end" of the telephone line for receiving and translating such picture signals.

Although it is claimed in appellant's reasons of appeal that the Board of Appeals erred in several

respects, the only contentions made here in the brief of counsel for appellant are that the Board erred in holding that the evidence introduced by appellee was sufficient to establish beyond a reasonable doubt that the inductance means in his transmission apparatus (as explained in interference No. 73,335) was in coaxial relation with the induction coil in the telephone box, and that appellant derived the invention from appellee. Accordingly, all other issues raised by appellant's reasons of appeal will be considered to have been abandoned.

Both of the issues raised here in appellant's brief have been fully discussed and determined in companion appeal No. 4,413, interference No. 73,335, and need not be here further discussed.

After the record filed with the clerk of this court had been printed, counsel for appellee moved that certain of appellee's documentary exhibits, duly certified as a part of the record in these appeals but not included in the record as originally printed, be printed as a supplement to the printed record.

Counsel for appellant agreed that some of those exhibits should be printed at the expense of appellant, but objected to the printing of Exhibits D–1, D–2, D–34, D–46, D–47, D–61, D–63, D–93, D–99, D–108, D–109, D–110, D–126, D–128, D–131, D–132, and D–133 on the ground that they were not material to the issues raised in this court.

The exhibits objected to by counsel were ordered printed by the court, the cost of such printing to be "taxed upon decision."

All of those exhibits, except D–1 and D–2, were pertinent to the issues raised here by counsel for appellant and, therefore, should have been included in the printed record. Accordingly, the cost of printing Exhibits D–1 and D–2, will be taxed against appellee, and the cost of printing the other exhibits in controversy will be taxed against appellant.

[7] For the reasons stated in our decision in interference No. 73,335 relative to counts 1 and 2 there involved, the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

MCKAY ET AL.
v.
JOHN L. KELLOGG, JR. (DECEASED), NEW FOODS, INC., ASSIGNEE

No. 4,473. Decided June 9, 1941. Petition for Rehearing denied July 3, 1941
[120 F.(2d) 363]

1. INTERFERENCE—ORIGINALITY—CONCEPTION.
Though certain documentary exhibits offered on behalf of McK and P, the senior party, describe the process in controversy between them and the junior party K Jr., but the process so described was disclosed to P by McK, who not only admitted but asserted that K Jr. was the inventor of the process, and who refused to sign a preliminary statement, and who was not called as a witness by the assignee of the McK and P application. *Held* that McK and P were not the first to conceive the process.

2. SAME—SAME—PRESUMPTION FROM CIRCUMSTANCES.
Where McK and P, and K Jr. were connected with the same K company, and P prepared and witnessed an invention conception data sheet for the purpose of acknowledging that K Jr. was the inventor of the process involved and also for the purpose of having a patent issue in K Jr.'s name, and it is clear from the evidence that had K Jr. signed the patent application and the assignment thereof to the K company, McK and P would not have filed an application, and it is also clear from the evidence that prior to K Jr.'s refusal to sign, neither McK nor P had any thought of claiming that they were inventors of the process *Held* there is a very strong presumption that K Jr. was the original inventor of the process.

3. SAME—SAME—SAME.
The fact that officers of the K company, assignee of the application of the party McK and P, attempted to secure the signature of the party K Jr. to a patent application for the invention in issue between said parties and to an assignment of the application to the K company, and offered K Jr. a bonus in the event the invention became commercially successful to induce him to sign *Held* a strong circumstance supporting the conclusion that K Jr. originated said invention.

4. SAME—SAME—CONDUCT AS REBUTTING ORIGINALITY.
On an issue of originality, conduct of a party and witnesses wholly inconsistent with the claim of inventorship *Held* entitled to great weight.

5. SAME—PRIORITY.
Evidence reviewed and *Held* that priority properly was awarded to the junior party K Jr. as the original inventor of the process in issue.

APPEAL from Patent Office. Affirmed.

Messrs. Toulmin and Toulmin (*Mr. M. Concannon, Mr. E. L. Harding, Mr. H. A. Toulmin* and *Mr. H. A. Toulmin, Jr.*, of counsel) for McKay et al.

Messrs. Barnett and Truman (*Mr. Percival H. Truman* and *Mr. Sherman R. Barnett* of counsel) for John L. Kellogg, Jr., (Deceased), New Foods, Inc., Assignee.

HATFIELD, *J.*:

This is an appeal in an interference proceeding from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Examiner of Interferences awarding priority of invention of the subject matter defined in the counts in issue—Nos. 1 and 2—to appellee.

The interference is between appellants' application, No. 120,498, filed January 14, 1937, and appellee's application, No. 127,672, filed February 25, 1937.

The invention relates to a process for producing a puffed corn product, and is sufficiently set forth in the counts in issue which read:

1. Process of producing a puffed corn product which comprises: cooking the corn in water, subjecting the same to mechanical pressure to alter the internal structure of the grain without reducing it to a flaked condition; drying the material to a water content suitable for explosive puffing; and thereafter explosively puffing the material.

2. Process of producing a puffed corn product which comprises: cooking the corn in water, partially drying the material, subjecting the same to mechanical pressure to alter the internal structure of the grain without reducing it to a flaked condition, drying the material to a water content of about 12%; and thereafter explosively puffing the material.

The burden was upon appellee the junior party to establish priority of invention by a preponderance of the evidence.

It appears from the record that appellants' application has been assigned to the Kellogg Company of Battle Creek, Michigan, manufacturers of food products, and that of appellee John L. Kellogg, Jr. (deceased), who died prior to the declaration of the interference, to New Foods, Inc., Chicago, Illinois, also manufacturers of food products, and that John L. Kellogg, Jr., was the son of the witness John L. Kellogg, president of New Foods, Inc., and the grandson of W. K. Kellogg, president of the Kellogg Company.

John L. Kellogg will hereinafter be referred to as Kellogg, Sr., and John L. Kellogg, Jr., as Kellogg, Jr.

It was contended before the tribunals of the Patent Office, and it is contended here by counsel for appellants, that appellants conceived the invention defined by the counts in issue, disclosed it to others, and reduced it to practice on June 19, 1936.

It appears from the record that on June 19, 1936, appellant McKay was a vice president, director, and general plant manager of the Kellogg Company; that appellant Penty was in charge of the experimental department of the Kellogg Company; and that appellants had occupied their respective positions for several years prior to that date.

It appears from appellants' preliminary statement, which is signed by appellant Penty and dated September 9, 1938, that appellant McKay had at that time left the employ of the Kellogg Company and had declined to sign and swear to appellants' preliminary statement in which it was alleged that appellants had "made the invention" involved in this interference on or about June 19, 1936, and successfully carried out the involved process on that date, and that they again successfully carried out the involved process "and successfully produced the product in issue on or about the 30th day of October, 1936."

In support of their contention that appellants conceived and reduced the invention to practice on June 19, 1936, counsel rely upon appellants' Exhibits Nos. 1, 2, and 6, together with the testimony of appellant Penty and the witnesses Frederic W. Swartz (who at the time of the taking of his testimony was a foreman in the plant of the Kellogg Company and who in June 1936 was employed in the experimental department of that company) and Lynn E. Rochester (an employee of the Kellogg Company, who during the year 1936 was employed in the experimental department of that company).

It appears from the testimony of appellant Penty and the witness Rochester that appellants' Exhibits Nos. 1, 2, and 6 were written by the witness Rochester and signed by appellant Penty.

Appellants' Exhibit No. 1 is dated June 18, 1936, and, so far as pertinent, reads:

White Corn Puffs—2% salt

(A) Cooked 100 pounds of #4 grits with 1 gallon of water which was the condensation from the cooker after heating 1 hour, and 2% salt. This was cooked 1 hour 5 minutes at 18 pound pressure. Separated in grinder, and rolled hot on bumping mill 5th floor. Then toasted in popper.—A few puffs.

(B) After material was flaked it was dried down to 12% moisture. Then puffed in guns.

4 oz. flakes
140 pounds pressure.

About 50% of flakes puffed well.
Weight—6½ oz.—to a 7 oz. Rice Puff sack.

It will be observed that two experiments are covered by that exhibit. In the first experiment the corn was toasted in a popper. Whether it was in a flaked condition does not appear, nor does it appear from the exhibit that the corn was dried to a moisture content "suitable for explosive puffing" as called for by the involved counts. In the second experiment the corn was reduced to a flaked condition ("a semi-thick flake," according to the testimony of appellant Penty), whereas each of the counts in issue contain the limitation that the internal structure of the grain is altered by mechanical pressure without being reduced to a flaked condition.

Appellants' Exhibit No. 2 is dated June 19, 1936, and, so far as pertinent, reads:

White Corn Puffs
(no flavor)

Cooked 100 pounds #4 grits with 1½ gallon of water for 1½ hours at 18 pounds pressure. Removed steam and separated in grinder. Then flaked on bumping mill. Tried puffing. Just fair.

Part of corn was just bumped slightly. Then dried to 12% *and tried shooting in gun.*

4 oz. corn
150 pounds pressure.

Not very good. [Italics ours.]

It will be observed that that exhibit also refers to two experiments. In the first, the corn was flaked on a bumping mill. Accordingly, for the reasons stated relative to appellants' Exhibit No. 1, that experiment does not conform to the process defined in the counts. In the second experiment referred to in Exhibit No. 2, the corn, it is stated, was "bumped slightly," then "dried to 12% and tried shooting in gun" and that the results were "Not very good."

It clearly appears from the record that in the art here involved the term "bumped" means altering the internal structure of the grain by mechanical pressure, without reducing it to a flaked condition.

Appellants' Exhibit No. 6 is dated June 19, 1936, and, so far as pertinent, reads:

White Corn Puffs
2% salt

100 pounds #4 grits
1½ gallons water
2% salt.

Cook for 1½ hours at 18 pounds pressure—Removed steam, separated, and bumped slightly tempered 18 hours then shot in gun.

4 oz. corn
140 pounds pressure.

Fairly good.

Appellant Penty testified that the most successful of the experiments hereinbefore referred to was that described in appellants' Exhibit No. 2; that that particular experiment is the basis of appellants' involved application; and that by the notation "Not very good," appearing on Exhibit No. 2, it was meant that only about 50 percent of the grain used in the test was puffed, the other 50 per cent being charred and remaining in the gun.

Appellants' witness Rochester stated that only about 30 to 40 per cent of the corn referred to in

Exhibit No. 2 was in a "marketable condition," the remainder being "charred and burned and stuck in the gun."

Appellants' witnesses testified that the gun used in those experiments was a small homemade affair with which they had considerable trouble; that it leaked when a high pressure was developed; and that many experiments were performed in which salt was used to prevent the material from charring and sticking to the gun.

Appellant Penty testified that the processes for puffing corn, referred to in appellants' Exhibits Nos. 1, 2, and 6, were suggested to him by appellant McKay.

It further appears from the record that a larger gun, ordered by the Kellogg Company, was apparently delivered sometime during October 1936.

On October 28, 1936, according to the testimony of appellant Penty, corn, which had been "medium flaked," was tried out in the new gun by Kellogg, Jr. and the witnesses Swartz and Rochester. The experiment was unsuccessful owing to the fact that the corn "would stick in the gun and char and come out in lumps." Appellant Penty stated that he explained to Kellogg, Jr. that the charring and sticking of the corn was due to the fact that the flakes were quite thin, and that that evening he and Kellogg, Jr. discussed the matter of the cooking of corn the following day—October 29. On October 29, 1936, corn was cooked, bumped, then "dried down" to about 12 per cent moisture, and allowed to temper until the next day—October 30. Then, according to Penty's testimony—

> • • • Late in the morning of Oct. 30th Mr. Swartz and Mr. John L. Kellogg, Jr., took this bumped material to the gun room and first started shooting raw wheat in the gun to heat the gun up, which was necessary for good work. I went to lunch about 12 o'clock, and when I returned there was a carton of puffed material setting on the table. Mr. John L. Kellogg, Jr., and Mr. Swartz had gone to lunch. I examined the material in the carton and it showed a very nice puff from the corn. When John L. Kellogg, Jr., returned from lunch I made the remark to him that it was very nice and I felt we had something really good there. John L. Kellogg, Jr., said "Let's take it over to Gene," meaning Mr. Eugene H. McKay [one of the appellants], which we did, and we went into Mr. McKay's office and John showed it to Mr. McKay and Mr. McKay made the remark, "that looked very good," and "when did you get that". I told him Fred Swartz and John L. Kellogg, Jr., had shot it in the large gun during the noon hour, and Mr. McKay said "let's take it in and show Mr. W. K. Kellogg" *On entering Mr. Kellogg's office Mr. McKay said, "See what John has made". Mr. Kellogg looked at the product and said it was very nice and said, "Who gets the credit for making this?" There was nothing said for a few minutes until finally Mr. McKay said that John L. Kellogg, Jr., and Fred Swartz had shot it during the noon hour from the gun, and Mr. W. K. Kellogg smiled and shook hands with John L. Kellogg, Jr., and then John L. Kellogg, Jr., told Mr. W. K. Kellogg that Bill, meaning myself, had done the bumping of the corn. Mr. W. K. Kellogg then shook hands with me.* We left Mr. W. K. Kellogg's office and went back to Mr. McKay's office and I said to him, *"We practically did that same thing with the same formula back in June with the small gun, but on account of the leakage in the gun and not being able to get it up to as high pressure as we wanted, the material was not all good as it would stick together and gum, but if we had had this same gun at that time we would have gotten the same results as we are getting now."* Mr. McKay remarked that *John was very much taken up with the work in the experimental room and that we would let him take out the patent in his name, and I told Mr. McKay it was all right with me as it was company property.* I returned to the experimental room and in about half an hour John L. Kellogg, Jr., came in and said he had been talking to Mr. E. H. McKay and he said it would be all right for him to apply for the patent in his name, and *I told John that it was perfectly all right with me inasmuch as the patent belonged to the company.* [Italics not quoted.]

The corn puffed on October 30, 1936, and shown to McKay and Mr. W. K. Kellogg is in evidence as appellants' Exhibit No. 7.

Whether Kellogg, Jr. returned to McKay's office with appellants after leaving Mr. W. K. Kellogg's office, appellant Penty did not state.

It may be stated at this point that, during the year 1935, Kellogg, Jr. was a vice president and one of the directors of the Kellogg Company and received a salary of $10,000 per year; that on or about April 18 of that year he met with an accident; that he experienced some nervous disorder and entered the Milwaukee Sanatarium at Wauwatosa, Wisconsin, on June 28, 1935; that he remained there, although not confined in the institution, until November 2, 1935, at which time, according to the evidence, he left the sanatarium "perfectly well." While in the sanatarium, Kellogg, Jr. contacted a mechanical engineer, Hugo Vehling, for the purpose of having a grain exploder manufactured for making puffed products. The material for such a device was ordered, but the order was canceled by the sanatarium authorities because they desired that the patient have complete rest while in the institution. After leaving the sanatarium, Kellogg, Jr. spent a few months on a ranch and late in 1935 or the early part of 1936 returned to active duty in the sales department in the Chicago district of the Kellogg Company. On October 15, 1936, he returned to the Kellogg Company's plant at Battle Creek, Michigan, and, at his request, was placed in the experimental department. On or about December 19, 1936, he left the company's employ.

Appellant Penty further testified that after he had been informed by Kellogg, Jr., that Mr. McKay had said that Kellogg, Jr. could take out a patent covering the puffed corn product produced on October 30, 1936, or the process of producing it (the witness did not explain which) he, in the presence of Kellogg, Jr., "made out" an invention conception data sheet, introduced in evidence as appellants' Exhibit No. 8; that he gave the sheet to Kellogg, Jr., "who in turn was going to take it up to" Mr. H. K. Wilder, "who wrote out the descriptions [of the involved process] preparatory to having it submitted to the attorneys to apply for the patent" which, the witness stated, "was being taken out in J. L. Kellogg, Jr's. name as the inventor."

Appellants' Exhibit No. 8 contains, after the word "Inventor," the name "John L. Kellogg, Jr." The exhibit, which is signed by Kellogg, Jr. as the inventor and witnessed by appellant William P. Penty and appellants' witnesses Frederic W. Swartz and Lynn Rochester, also contains the following: the date of conception, October 28, 1936; the date of the first disclosure to others, October 28, 1936; the names of the persons to whom disclosure was made, "Wm. P. Penty, Fred Swartz"; the date of the first written description, October 28, 1936; the date of the first model, October 29, 1936; the date of the making of the first full-size device, October 30, 1936; the "*Date and place invention was first successfully practiced October 30–1936 Experimental Room 1st floor #2 Bldg. Kellogg Company*"; and the "Names of persons having knowledge of such practice John L. Kellogg, Jr., Fred Swartz, Lynn Rochester, Wm. P. Penty." [Italics not quoted.]

It will be observed that appellants' Exhibit No. 8, prepared by appellant Penty, contains the statement that the process performed on October 30, 1936, "was first successfully practiced" on that date.

Under date of October 30, 1936, H. K. Wilder, hereinbefore referred to, signed the following statement (identified in the record as appellee's Exhibit No. 28):

> Corn Krispies.
> The following is a description by Mr. John L. Kellogg Jr. on the method of making an experimental lot of Corn Krispies.
> Took 100 lbs. regular flaking corn grits.
> 4 gallons water.
> Cooked for one hour in rotary cooker at 20 lbs. steam pressure.
> Dried partially to permit bumping very slightly in corn rolls, no differential.
> Further dried to hard and brittle condition.
> Tempered.
> 1 gallon cooked dried grits
> 1 tablespoon salt
> mixed dried and put in puffing gun.
> Puffed after pressure reached 200 pound gage.
> Product is a greatly enlarged swollen and rounded grit. It has a partly browned color, appearing as though moderately toasted. The internal structure is of uniformly expanded webs, not having any definitely hollow interior.

That statement was witnessed by John L. Kellogg, Jr. and (Mrs.) Bessie E. Curtiss, secretary to Mr. Wilder.

Two other invention conception data sheets, introduced in evidence as appellee's Exhibits Nos. 24 and 25, were witnessed by appellant Penty and the witnesses Swartz and Rochester. Owing to the fact that appellant Penty and the witnesses Swartz and Rochester all testified that written matter had been added to those exhibits after they had signed the exhibits as witnesses, those exhibits will not be given consideration except so far as they indicate the purpose of appellant Penty and the witnesses Swartz and Rochester to designate Kellogg, Jr. as the inventor of the process carried out on October 30, 1936.

It further appears from the record that in November 1936 Arthur B. Seibold, a patent attorney, prepared, on behalf of the Kellogg Company, a draft of a patent application for the involved invention, in which Kellogg, Jr. was named as the inventor; that such draft was mailed to Kellogg, Jr. with the request that he make such suggestions as he deemed advisable; that the description of the invention was prepared by H. K. Wilder; that, on December 10, 1936, the witness Seibold wrote a letter to Kellogg, Jr. in care of the Kellogg Company, Battle Creek, Michigan, in which it was stated that a patent application for the involved process, together with an assignment of the invention to the Kellogg Company, was enclosed; and that it was suggested in the letter that Kellogg, Jr. take the matter up with Mr. Wilder, and if the application met with Kellogg, Jr's. approval, he should sign it and also the assignment of the same to the Kellogg Company. (So far as appears from the record, all of the information received by Mr. Seibold in the preparation of that patent application for Kellogg, Jr. was furnished either by Kellogg, Jr. or by Mr. Wilder.)

It further appears from the record that Kellogg, Jr. refused to assign the patent application to the Kellogg Company, and that efforts were made by the witness Walter C. Hasselhorn, a director, vice president, and general manager of the Kellogg Company, to secure Kellogg, Jr's. signature to such assignment. The witness stated that, although Kellogg, Jr. did not claim to be the inventor of the involved process, he, the witness, nevertheless, stated to Kellogg, Jr. that if the puffed corn product produced by the involved process proved to be a commercial success, Kellogg, Jr. would be given a bonus, not, however, "in consideration of any invention assignment." In explanation, the witness stated:

> "I might say here that members of our company, who did *extraordinary work are being rewarded from time to time for either individual or joint applications of that type, but he was not satisfied with as indefinite a proposition as that.*" [Italics ours.]

When Mr. Seibold learned that Kellogg, Jr. had refused to assign the patent application to the Kellogg Company, a conference was held, apparently on December 30, 1936, in the office of the Kellogg Company. Present at the conference were Mr. Seibold, Mr. Crichton Clarke (a patent attorney), Ross T. Adams (who at that time was apparently director of purchases and looked after the legal affairs of the Kellogg Company), Mr. Edwin L. Harding (secretary and general counsel of the Kellogg Company), the witnesses Walter C. Hasselhorn, Swartz, and Rochester, and appellants McKay and Penty. (On the sheet of his calendar pad dated that day, appellee's Exhibit No. 12, appellant McKay made the following notation:

> "Arrived 8:45 A. M. W. C. H. came in at same time. Clarke—Harding Seibold here all day talking over John's invention. Clarke and Ross came in at 10—W. C. H. left for the West today. Penty was in W. C. H. office all day with lawyers left at 6 P. M. for home.")

As a result of that conference, it was decided by the attorneys and executives representing the Kellogg Company that an application for a patent for the involved invention should be filed in the names of McKay and Penty as joint inventors. Thereafter, appellants' patent application here involved was prepared and filed in the Patent Office.

It further appears from the record that on or about December 30, 1936, Mr. W. K. Kellogg, who was not called as a witness, called Kellogg, Sr. on the telephone and requested that Kellogg, Sr. prevail upon his son, Kellogg, Jr., to sign the application and the assignment thereof to the Kellogg Company theretofore prepared by the patent attorney Seibold.

On January 15, 1937, one day after the filing of appellants' application, the Kellogg Company's patent attorney Arthur B. Seibold, apparently as a result of the December conference, filed an application for a patent for the involved invention,

claiming that he was the first and original inventor of the involved process.

The witness Seibold was originally a party to the involved interference. However, he disclaimed "the invention" and was, accordingly, eliminated from the interference.

On November 25, 1936, Mr. W. K. Kellogg wrote to Kellogg, Jr. from Pomona, California, and, among other things, said:

All the people here in California who have tried *your new* "Korn Krispies" seem to like it very much. Wish you would enter an order to have two packages a week sent here until the first of the year.

Am sending you this remnant of some "Exploded Corn" made by the Schultz Food Company of Oakland, California, which I found on the pantry shelves last night. This is probably made from uncooked corn. The flavor is not especially good and the product is certainly plenty tough. [Italics not quoted.]

In addition to appellee's Exhibit No. 12, hereinbefore referred to, appellee offered in evidence other sheets from appellant McKay's calendar pad which were dated October 19 to 29, 1936, inclusive, November 2, 1936, and January 5 and 12, 1937. Those sheets are identified in the record as appellee's Exhibits Nos. 46 to 56, inclusive.

On the calendar sheet dated Thursday, October 29, 1936, appellee's Exhibit No. 53, appellant McKay wrote:

"Arrived office 8:05 A. M. John here. *Big day for John invented new corn puff best we have ever had. Mr. W. K.* [meaning W. K. Kellogg] *here. He liked the puffs too.* Earl home from east. Left office 5:20 all others gone." [Italics ours.]

On the calendar sheet dated Monday, November 2, 1936, appellee's Exhibit No. 54, appellant McKay wrote, among other things: "John on job with Penty." On the calendar sheet dated Tuesday, January 12, 1937, appellant McKay wrote, among other things:

"Clarke [a patent attorney hereinbefore referred to] here today to discuss John and two patents by Penty and McKay—Puffed corn both by gun and oven. Penty and I assigned two patents to K. Co. today—One for oven puff. One for gun puff. Clarke left 5 P. M. with Ross [Adams]."

Although there is some evidence of record that Kellogg, Jr. had in mind some new puffed product for the Kellogg Company, and that he suggested, at least, as early as May 20, 1936, the idea of altering or breaking up the starch cells in grain before puffing it, there is no direct evidence that he had a conception of the involved invention prior to October 28, 1936, when, according to the testimony of appellant Penty, Kellogg, Jr. and Penty discussed the matter of charring and sticking of the corn which was shot in the new gun on that day by Kellogg, Jr. and the witnesses Swartz and Rochester. It will be recalled, however, that the witness Penty testified that the process used in the experiments performed by him and the witnesses Swartz and Rochester on June 19, 1936, was suggested to Penty by McKay. It will also be recalled that appellant Penty testified that it was McKay who suggested that Kellogg, Jr. be named as the inventor of the involved process, and that it was McKay who made the notation on his calendar pad under date of October 29, 1936 (which should have been entered under date of October 30, according to the evidence of record) "Big day for John invented new corn puff best we have ever had" and that Mr. W. K. Kellogg liked the new corn puffs.

There is no evidence that that statement was written by appellant McKay for any purpose other than to record the truth as he understood it at that time.

[1] We are of opinion that appellants' Exhibit No. 1 does not disclose the involved invention. However, we think appellants' Exhibits Nos. 2 and 6 disclose the process set forth in the counts in issue. It is clear, however, from those exhibits and from the testimony of appellant Penty and the witnesses Swartz and Rochester, hereinbefore referred to, that the process was not successfully carried out by appellants on June 19, 1936. In view of the fact that the process described in Exhibits Nos. 2 and 6 was disclosed to Penty by McKay, who not only admitted but asserted that Kellogg, Jr. was the inventor of the involved process, and as McKay refused to sign appellants' preliminary statement, and as he was not called as a witness by the Kellogg Company, the assignee of appellants' application, we are unable to hold that appellants were the first to conceive that process.

[2] Appellant Penty prepared and witnessed the invention conception data sheet, appellants' Exhibit No. 8, not only for the purpose of acknowledging that Kellogg, Jr. was the inventor of the involved process, but also for the purpose of having a patent issue in Kellogg, Jr's. name. Furthermore, it is clear from the evidence of record that neither of appellants had any thought of claiming that appellants were the inventors of the subject matter defined in the counts in issue until after the conference on December 30, 1936, hereinbefore referred to. It is also clear from the evidence that had Kellogg, Jr. signed the patent application and the assignment thereof to the Kellogg Company, prepared by the attorney of that company, appellants would not have filed their involved application, nor would the witness Seibold have felt called upon to file his application in which he claimed to be the original inventor of the involved process.

Under the related circumstances, there is a very strong presumption that Kellogg, Jr. was the original inventor of the involved process, which presumption, in our opinion, has not been overcome by the evidence.

Much of the discussion in the case by counsel for appellants has to do with the statements made by the witness Hasselhorn and appellant Penty that the reason the executives of the Kellogg Company, including appellants McKay and Penty and the witnesses Swartz and Rochester (employees of the company), acknowledged Kellogg, Jr. to be the inventor of the involved process was because it was desired to encourage him and to please Mr. W. K. Kellogg. So far as the testimony of the witness Hasselhorn in that regard is concerned, it is sufficient to say that it is purely hearsay. Furthermore, the testimony of appellant Penty regarding the reasons he said McKay gave for naming Kellogg, Jr. as the inventor of the involved process is not corroborated.

[3] Another strong circumstance which we think supports the conclusion reached by the tribunals of the Patent Office is the fact that both the witness Hasselhorn and Mr. W. K. Kellogg attempted to secure Kellogg, Jr's. signature to a patent application for the involved invention as well as an assignment of such invention to the Kellogg Company, and that the witness Hasselhorn, according to his own testimony, offered Kellogg, Jr. a bonus, in the event the involved process became commercially successful, if he would sign the patent application and assign it to the Kellogg Company.

It is stated in the brief of counsel for appellants that

"The law recognizes that mistakes are made in selecting inventors to file applications and provides for filing an application by the real inventor when the error is discovered,"

and cases are cited in support of that statement.

The difficulty with that statement of counsel, as applied to the instant case, is that it assumes facts not established by the evidence of record.

[4] The conduct of appellants and that of the witness Hasselhorn (a director, vice president, and general manager of the Kellogg Company) and the witnesses Swartz and Rochester is wholly inconsistent with appellant Penty's present claim that appellants are the inventors of the involved process, and, as the issue here is one of originality, such conduct is entitled to great weight in the determination of that issue. See *Murphy* v. *Meissner*, 24 App. D. C. 260, 114 O. G. 1830; *Lloyd* v. *Antisdel*, 1901 C. D. 371, 375, 95 O. G. 1645; *Barrett* v. *Harter*, 1904 C. D. 392, 112 O. G. 729; *Larkin* v. *Richardson*, 1906 C. D. 209, 122 O. G. 2390; *Ohlsen* v. *Harmer*, 1909 C. D. 220, 148 O. G. 1085; *Engle* v. *Manchester & Spooner*, 49 App. D. C. 220, 238 O. G. 1331, 262 Fed. 645; *O'Donnell* v. *Hartt*, 22 C. C. P. A. (Patents) 958, 968, 75 F.(2d) 195, 456 O. G. 7.

[5] We are not unmindful of the fact that Theresa L. Gibbons, who was secretary to Mr. E. L. Harding (secretary and general counsel of the Kellogg Company), testified that about ten days before Christmas 1936 Kellogg, Jr. told her that he was not the inventor of the involved process but that Penty and McKay were the inventors of it. However, considering all of the facts and circumstances hereinbefore related, we are unable to hold that the tribunals of the Patent Office erred in holding that appellants derived the invention from Kellogg, Jr. Accordingly, the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE CARR

No. 4,464. Decided June 9, 1941

[120 F.(2d) 386]

1. CLAIMS—FUNCTIONAL LIMITATIONS.
"Since the claims are for structure only, if the elements of the structure defined in the claims do not involve invention over structures of the prior art, the functions attributed to the parts of the structure of the application are immaterial."

2. PATENTABILITY—HEAT EXCHANGE APPARATUS.
Certain claims to a heat exchange apparatus *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Mr. John L. Wiegreffe and *Mr. Ralph L. Stevens* (*Mr. Ralph L. Stevens* of counsel) for Carr.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

JACKSON, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming with respect to claims 3, 5, 6, and 8, a decision of the Primary Examiner rejecting said claims, in view of the prior art, of an application for a patent for a new and useful improvement in heat exchange apparatus. Three claims were allowed.

Claims 3, 5, and 6 are illustrative and read as follows:

3. A heat exchange apparatus comprising an outer upright casing, a much shorter inner upright casing concentric with said outer casing, the lower ends of said casings being united to form an annular catch basin, liquid distributing means at the upper end of said outer casing for distributing liquid in comminuted form for gravitation downwardly, a propeller type fan mounted coaxially within said inner casing to impel air upwardly into counter flow contact with the gravitating liquid and means above said fan for permitting the upward flow of air and for diverting said gravitating liquid into said basin.

5. A heat exchange apparatus comprising an upright casing having openings at either end to permit high volume flow, fluid delivering and distributing means located substantially at the upper end of said casing and adapted to distribute fluid to be cooled in comminuted form for gravitation downwardly, and means located adjacent the lower end of said casing to cause air to be delivered vertically through the lower end opening into said casing and to travel therethrough in spiral paths, whereby the length of travel of the air in contact with the comminuted fluid is greater than the vertical distance between said last named means and said upper end and whereby the relative speed between the falling fluid and the air is also increased.

6. Heat exchange apparatus comprising an upright casing, liquid distributing means adjacent the upper end of said casing for distributing liquid in comminuted form for gravitation downwardly, a propeller fan mounted coaxially within the bottom of said casing and designed to propel a draft of a gaseous medium vertically upwardly through said casing in spiral paths whereby the effective heat transfer relation between the gaseous medium and the liquid is increased without increasing the actual length of said casing, a device spaced below said fan for collecting the comminuted liquid, and means for directing a gaseous medium in a laterally downward direction into the space between said device and said fan.

The references cited are: Anderson, 1,051,661, January 28, 1913; Ruehl, 1,927,073, September 19, 1933; Fisher, 2,016,086, October 1, 1935.

The Board of Appeals succinctly described the invention as follows:

The claims relate to apparatus for passing a shower of liquid such as water and air in countercurrent relation. The water is showered downwardly through a casing-like structure, the air is impelled upwardly in a helical path. The evaporation of the liquid serves to cool the same and it is then collected at the bottom of a casing. It may be observed that within the scope of most of the claims it is immaterial whether the object be to cool the liquid or the air or both although it is indicated that the device usually would be employed for the purpose of cooling the liquid.

The patent to Anderson relates to an apparatus for cooling and purifying the air of buildings. It discloses a propeller fan set coaxially in the lower portion of the apparatus with a cylindrical shell which incloses a plurality of cone-shaped screens arranged in concentric formation one over the other and spaced apart, with their apices extending upwardly and their bases encircling the fan. The

screens may be constructed of wire gauze, textile or other porous material. Water is constantly supplied from a tank above the screens to the upper ends of the screens and distributed in a film over the surface thereof. The air impelled by the fan penetrates through the film and is thus cooled. Surrounding the bases of the cones is an annular basin to receive the water as it finally descends from the cone surfaces. This water is pumped back to the tank again and is run on the screens.

The Ruehl patent relates to an air washing apparatus. It discloses a cylindrical shell with blowers at the top thereof which force air out of the apparatus. The action of the blowers also sucks air from the outside atmosphere. The air thus brought in is forced through an annular flue surrounding the shell in the lower portion of which are perpendicular louvres or small openings. Through these small openings the air enters tangentially and is circulated upwardly in a rotary or spiral motion about the longitudinal axis of the chamber. In its upward progress the air intimately impacts sprays of water which are tangentially emitted from several nozzles spaced on horizontal pipes leading from a vertical feed pipe extending through the greater part of the shell and which enters the shell near the bottom thereof. The water drops downwardly and, after having extracted foreign matter from the air, is screened of its impurities and recirculated. The air thus cleaned is sent out by the said blowers through the top of the apparatus.

The Fisher patent relates to an apparatus for cooling liquids. It discloses a vertical tank having a tangential air inlet, a cone provided with a spiral vane in the lower portion of said tank and coaxial therewith, and opposite the air inlet. In operation the cooling air forced inwardly through the inlet swirls around the conical member and passes upwardly through the tank in circular movement. In its upward progress the air is brought into intimate contact with sprayed water. In evaporating part of the water the temperature of the water is lowered and thus cooled.

The Examiner held that it is not apparent what structural limitations in claims 5 and 8 distinguish them even colorably from the Ruehl reference.

With respect to claim 3, the Examiner held that there did not appear to be any patentable difference in placing the fan at the bottom of the apparatus, as it appears in the claim and also in the Anderson patent, or at the top as is shown by the blowers in the Ruehl patent. The Examiner stated:

> That is largely a matter of choice. So long as air is caused to flow in a stream through the tower, the position of the propelling means is broadly not material.

The Examiner held that it would not require inventive skill to substitute the propeller or fan of the Anderson patent for the blowers in the Ruehl patent. This of course would mean the placing of the Anderson fan near the bottom of the Ruehl structure. He therefore held claim 3 anticipated by Ruehl taken in view of Anderson.

The Examiner rejected claim 6 in the following language:

> With respect to claim 6, this also is met merely by substituting a fan of the Anderson type at a low point in the inner casing of Ruehl, the outer casing directing the air downwardly and laterally into the inner casing.

It is believed that the claims are too broadly worded to define anything patentable over the references, and that the invention lies in the more specific arrangement and form of fan and whirl producing mechanism. Clearly, it is well known to spiral air upwardly through downfalling liquid. All three references mentioned above show this. It is also old to position the fan coaxially and at the bottom of a cylindrical casing, where air or water is being treated. The claims involve little more than the broad combination of these two concepts.

While the Board of Appeals generally affirmed the decision of the Examiner with respect to the claims here involved, it rejected claim 3 upon the Anderson reference alone.

It may be true that air coolers and air washers may differ from water coolers, as appellant contends, but it is also true that when atmospheric air is blown into contact with a spray of water the water is cooled by reason of some evaporation and the air is also cooled by being washed and humidified. Therefore we are not impressed with the argument of appellant that the difference between the effect of the operation of his apparatus and that of the reference patents is important. The mere designation of the machine of appellant as a "heat exchange" apparatus makes it differ in no material respect from air cooling or air washing machines.

A comparison of claim 3 with the disclosure of the Anderson patent as described herein clearly shows that the claim contains nothing that differentiates it in any respect from the structure of the patent. Appellant has contended that the limitations in said claim, "means at the upper end of said outer casing for distributing liquid in comminuted form for gravitation downwardly" and "means above said fan for permitting the upward flow of air and for diverting said gravitating liquid into said basin," make the claim patentably different from the patent. The patent shows a controlled distributor for spreading the water in such manner as to dampen the screens. The water must necessarily be in relatively tiny drops as it leaves the distributor, otherwise the action of the water would be to do more than dampen the screens. The liquid flows downward by gravitation in the patent just as it does in the application. As far as the said second limitation in count 3 is concerned, the top of the cylindrical shell in the patent is open. The opening surely is a means to permit the upward flow of air and it is above the fan. There is also shown in the patent an annular basin to receive the gravitating water which is diverted thereto by the surfaces of the cones. Therefore in our opinion claim 3 does not differ patentably from the disclosure of the Anderson patent.

It appears to us that claim 5 reads directly upon the Ruehl patent. The contention that the Ruehl casing is not open at both ends, as shown in the structure of appellant, does not, in our opinion, merit much discussion. It is true that the shell or tank in the Ruehl patent acts as its own base. It is also true that the tank of appellant must rest on something that in effect would be a substitute for the bottom of the Ruehl structure. It so appears in the application drawings. The Ruehl structure has a number of openings close to the bottom through which the air is vertically drawn. The air then travels through the casing in a spiral path, and there is an opening at the top through which the air is blown. Furthermore, the claim might well be interpreted to mean, as was suggested by the Board, that the apparatus of appellant could be closed at one end and have several openings in the other. The wording is "an upright casing having openings at either end." We think that the Board properly held the claim to be anticipated by the Ruehl disclosure and we quote with approval the following language of the decision:

> • • • This claim reads upon Ruehl's casing, broadly the inner casing having the openings 13 in the bottom and the opening through the fan at the top. Ruehl shows means located adjacent the lower end to cause air to travel in a helical path and otherwise satisfy the claim.

[1] Both of the tribunals below were of opinion that claim 8 like claim 5 is relatively broad and presents nothing patentable over the Ruehl patent. We are in agreement with the decisions below in this respect. Appellant contends that this claim is patentable over the reference

> "because it definitively specifies the relative locations and sizes of the parts and emphasizes the important functions accruing therefrom."

Since the claims are for structure only, if the elements of the structure defined in the claims do not involve invention over structures of the prior art, the functions attributed to the parts of the structure of the application are immaterial. In claim 8 the apparatus is called "a liquid cooling" apparatus instead of a "heat exchange" apparatus. That change in designation makes no difference in the nature of the structure claimed, as we have hereinbefore pointed out. The claim calls for a

> "free emergence of a large volume"

of the gaseous medium passing upwardly through the upper outlet under forced draft. The Ruehl patent shows that the air is blown in large volume through the upper outlet. This, of course, meets the last quoted limitation of the claim. The claim calls for

> "a spray of particles that uniformly fill and pass through substantially the entire cross sectional area of the upper end of the tower."

The spray in the Ruehl patent does likewise. The tower or casing of Ruehl permits "a downward fall" of the particles of water to its bottom as is called for in the claim. The louvres or openings shown in the patent are the means at the bottom of the casing or tower through which the air current passes and is directed upwardly through "the whole interior" of the casing. The ascending air in the patent goes upwardly in a "spiral" or "swirling" movement and is commingled "thoroughly" with the particles of water from the spray, and naturally the curved path of the ascending air has a "path of travel" longer than the "vertical length" of the casing. Thus it may be seen that there is nothing in claim 8 which renders it materially different from claim 5.

The Board agreed with the Examiner that claim 6 could be met by substituting for the Ruehl blowers the fan of Anderson near the bottom of the Ruehl structure. It is clear that if this were done the air current would be forced upwardly through the casing of Ruehl and would be drawn from the outside in the same fashion as disclosed by Ruehl. The air thus driven upwardly by the substituted Anderson fan placed as aforesaid would not rise in a spiral path, but the spiraling of an air current is old in the art and it would not require the exercise of invention to so alter the structure of Ruehl to accomplish this result.

[2] The decision of the Board of Appeals is affirmed.

Affirmed.

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2,194,842, G. A. Wiesehahn, Soft lecithin preparation, D. C. N. J., Doc. 939, *American Lecithin Co. v. W. A. Cleary Corp.* Decree dismissing bill May 26, 1941.

2,242,335. (See Des. 112,778.)

2,246,984. (See 2,094,428.)

Re. 18,841, J. Mayer, Hair waving method, D. C., S. D. Calif. (Los Angeles), Doc. 1009–M, *The Philad Co. v. Jacqueline Cochran Beauty Salon.* Judgment of dismissal July 23, 1941.

Re. 19,908. (See 1,719,807.)

Re. 20,226. (See 1,906,453.)

Re. 21,178. (See Des. 112,778.)

Re. 21,535. (See Des. 112,778.)

Re. 21,864. (See Des. 112,778.)

Des. 112,778, R. E. Kruck, Refrigerator cabinet; Re. 21,864, H. D. White, same; 2,166,630, G. F. Forsthoefel, Cabinet construction; Re. 21,178, same, Refrigeration apparatus; Re. 21,535, W. B. Anderson, same; 2,194,176, O. H. Yoxsimer, Refrigerator; 2,242,335, same, Cabinet construction, filed Aug. 1, 1941, D. C., S. D. Ohio, E. Div., Doc. 366, *Westinghouse Electric & Mfg. Co. v. Crosley Corp.*

Des. 114,980. (See Des. 112,778.)

TRADE-MARKS

OFFICIAL GAZETTE, SEPTEMBER 23, 1941

[VOL. 530. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 2

RECEPTACLES

Ser. No. 444,799. F. A. READ, INC., Albion, N. Y. Filed June 24, 1941.

FIBROK

FOR HAND-MADE AND CUSTOM-MADE CAN BAGS, CASKET BAGS, FURNITURE BAGS, MATTRESS BAGS, REFRIGERATOR BAGS, ALL MADE OF PAPER, AND LARGE PAPER SHIPPING BAGS MADE TO CUSTOMERS' SPECIFICATIONS.

Claims use since Jan. 1, 1937.

Ser. No. 445,592. SYLVANIA INDUSTRIAL CORPORATION, Fredericksburg, Va. Filed July 23, 1941.

SYLVANIA SYLPH-THIN

No claim is made to the representation of a sausage nor to the word "Thin" apart from the mark.

FOR CELLULOSE SAUSAGE CASINGS.

Claims use since July 21, 1941.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 442,252. BRULIN & COMPANY, INC., Indianapolis, Ind. Filed Apr. 4, 1941.

OCTO-SOLVE

FOR CLEANING COMPOUND FOR CLEANING FLOORS, WOODWORK, PAINTED WALLS, AND ANY SURFACE ON THE INTERIOR OR EXTERIOR OF THE BUILDING.

Claims use since July 1, 1939.

Ser. No. 444,322. NATHAN BLANK, Brooklyn, N. Y. Filed June 9, 1941.

MILKWISE

FOR LEATHER AND SHOE POLISHES AND DETERGENTS, NAMELY, SHOE SOAP AND SHOE CLEANER, WINDOW CLEANERS, AND CLEANING FLUID FOR CLOTH, HATS, AND OTHER THINGS.

Claims use since May 1, 1940.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 426,880. DENTHOL COMPANY, San Francisco, Calif. Filed Dec. 26, 1939.

DENTHOL

FOR ANTISEPTIC MOUTH WASH.

Claims use since July 7, 1938.

Ser. No. 432,142. MARINE CHEMICALS COMPANY, LTD., San Francisco, Calif., now by change of name, Marine Magnesium Products Corporation. Filed May 20, 1940.

MAGLITE

FOR LIGHT MAGNESIUM OXIDE.

Claims use since Nov. 4, 1939.

Ser. No. 440,698. MERZ & CO. CHEMICAL WORKS, INC., East Orange, N. J. Filed Feb. 15, 1941.

Dermo-Serol

FOR SKIN PREPARATION FOR TOPICAL APPLICATION.

Claims use since Dec. 28, 1934.

Ser. No. 443,730. THE PEERLESS CARBON BLACK COMPANY, Pittsburgh, Pa. Filed May 20, 1941.

GLOBEX
A PEERLESS PRODUCT

No claim is made to the words "A Peerless Product" apart from the mark.

FOR CARBON BLACK FOR PRINTING INKS, TYPEWRITER RIBBONS, AND CARBON PAPER, SHOE POLISH, STOVE POLISH, PAINTS AND LACQUERS, AND RUBBER COMPOUNDS.

Claims use since May 5, 1941.

Ser. No. 444,839. THE SHERWIN-WILLIAMS CO., Cleveland, Ohio. Filed June 25, 1941.

CAL-ZINC

The word "Zinc" is disclaimed apart from the mark.

FOR INSECTICIDES AND FUNGICIDES.

Claims use since Apr. 29, 1941.

Ser. No. 444,915. AL ROSENFELD, INC., New York, N. Y. Filed June 27, 1941.

BEAU CATCHER

FOR PERFUME AND TOILET WATER.

Claims use since June 25, 1941.

Ser. No. 445,057. HOUSE OF TRE-JUR, INC., New York, N. Y. Filed July 3, 1941.

Suivez Moi
FOLLOW ME
VARVA

FOR TOILET WATER, PERFUME, BATH POWDER, TALCUM POWDER, SACHET POWDER, AND BUBBLE FOAM POWDER.

Claims use since October, 1938.

Ser. No. 445,483. ALBA PHARMACEUTICAL COMPANY, INC., New York, N. Y. Filed July 19, 1941.

ROCCAL

FOR ANTISEPTIC AND DISINFECTANT PREPARATION.

Claims use since Apr. 1, 1941.

Ser. No. 445,507. REVLON PRODUCTS CORPORATION, New York, N. Y. Filed July 19, 1941.

SEAL-FAST

FOR PREPARATION FOR THE NAILS.

Claims use since Apr. 28, 1941.

Ser. No. 445,513. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y. Filed July 19, 1941.

PLURAXIN

FOR MULTIPLE VITAMIN PREPARATION FOR THE PREVENTION AND TREATMENT OF COMBINED DEFICIENCIES OF VARIOUS VITAMINS (A, B, C, D, NICOTINIC ACID).

Claims use since June 30, 1941.

Ser. No. 445,529. PRESTO COLOR COMPANY, Cudahy, Wis. Filed July 21, 1941.

PRESTO

FOR COLORING MATERIAL FOR LEATHER.

Claims use since July 20, 1917.

Ser. No. 445,599. ABBOTT LABORATORIES, North Chicago, Ill. Filed July 24, 1941.

HEXANATE

FOR VASODILATOR INDICATED IN THE RELIEF OF SPASM IN CORONARY DISEASE.

Claims use since July 14, 1941.

Ser. No. 445,707. THOS. J. ILES, New York, N. Y. Filed July 26, 1941.

TIMOLAX

FOR LAXATIVE.

Claims use since July 24, 1941.

Ser. No. 445,708. ROCH D. KAWERK, doing business as Victory Chemical Co., Birmingham, Ala. Filed July 28, 1941.

ROX

FOR CASTOR OIL.

Claims use since Nov. 28, 1933.

Ser. No. 445,712. W. L. BENSON, Bridgeton, Ind. Filed July 29, 1941.

GRAIN-O

FOR SYNTHETIC HORMONE COMPOUND WHICH, WHEN APPLIED TO SEED, REINFORCES AND HELPS CONTROL PROCESSES OF THE NATURAL HORMONE FOUND IN EVERY PLANT, THE SAME NOT BEING A FERTILIZER AND THE SAME CONTAINING NAPTHALENEACETAMIDE.

Claims use since July 1, 1940.

Ser. No. 445,785. AMERICAN DIETAIDS COMPANY, INC., Yonkers, N. Y. Filed July 31, 1941.

Calrite

FOR PREPARATION CONTAINING CALCIUM, PHOSPHORUS, AND VITAMIN D.

Claims use since June 30, 1941.

Ser. No. 445,828. G. D. SEARLE & CO., Chicago, Ill. Filed July 31, 1941.

TETRATHIONE

FOR SODIUM TETRATHIONATE PREPARATION FOR INTRAVENOUS USE.

Claims use since Dec. 8, 1938.

Ser. No. 445,858. PREMO PHARMACEUTICAL LABORATORIES, INC., New York, N. Y. Filed Aug. 1, 1941.

VASODRINE

FOR CIRCULATORY STIMULANT ADMINISTERED BY INJECTION.

Claims use since September, 1938.

Ser. No. 445,922. DRUG LEADERS, INC., doing business as Ny-Lite Company, San Francisco, Calif. Filed Aug. 4, 1941.

NY-LITE

FOR CHEMICAL COMPOSITION IN POWDER FORM FOR IMPARTING LUMINOSITY TO PAINTS, PLASTICS, AND ADHESIVES.

Claims use since Mar. 3, 1941.

Ser. No. 445,946. JOHNSON ANT CONTROL, Oakland, Calif. Filed Aug. 4, 1941.

ONEYTRAI

FOR PEST CONTROL PREPARATIONS.

Claims use since Apr. 1, 1941.

Ser. No. 445,969. VAN CAMP SEA FOOD COMPANY, INC., doing business as Van Camp Laboratories, Terminal Island, Calif. Filed Aug. 4, 1941.

WHITE STAR

FOR VITAMIN CONCENTRATE IN CAPSULE FORM.

Claims use since Jan. 13, 1941.

Ser. No. 446,016. SAMUEL BONAT & BRO., New York, N. Y. Filed Aug. 6, 1941.

"PADOL"

FOR MACHINELESS PERMANENT HAIR WAVING SOLUTION.

Claims use since Sept. 1, 1939.

Ser. No. 446,056. AUDREY LOUISE, INC., New York, N. Y. Filed Aug. 7, 1941.



The drawing is lined for pink.

FOR PERFUMES AND TOILET WATER.

Claims use since Oct. 4, 1939.

Ser. No. 446,059. AUDREY LOUISE, INC., New York, N. Y. Filed Aug. 7, 1941.



The drawing is lined for pink.

FOR TOILET WATER AND PERFUME.

Claims use since Oct. 4, 1939.

CLASS 10

FERTILIZERS

Ser. No. 446,032. SOUTHERN PHOSPHATE CORPORATION, Baltimore, Md. Filed Aug. 6, 1941.

NATURSOWN

FOR PHOSPHATES.
Claims use since July 26, 1941.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 445,368. SOUTHERN STATES PORTLAND CEMENT COMPANY, Rockmart, Ga. Filed July 15, 1941.

QUIKRETE

FOR HIGH EARLY STRENGTH CEMENT.
Claims use since May 19, 1941.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 432,600. CARSON PIRIE SCOTT & COMPANY, Chicago, Ill. Filed June 3, 1940.

Wishmakers HOUSE

FOR WALL BRACKETS, AND BATHROOM ACCESSORIES—NAMELY, BATHROOM WALL TUMBLER, TOOTHBRUSH HOLDERS, GRAB RAILS, TOWEL BARS, AND WALL ACCESSORY SOAP HOLDERS.
Claims use since October, 1938.

Ser. No. 444,427. WHEELING STEEL CORPORATION, Wheeling, W. Va. Filed June 11, 1941.

INOGALV

FOR GALVANIZED PIPE.
Claims use since May 23, 1941.

Ser. No. 444,669. FABRI-STEEL PRODUCTS, INCORPORATED, Detroit, Mich. Filed June 19, 1941.

Fabri Steel

The word "Steel" is disclaimed apart from the mark.
FOR CLINCH NUTS AND ATTACHING CLIPS THEREFOR.
Claims use since Feb. 24, 1936.

Ser. No. 444,755. CONTINENTAL COFFEE COMPANY, INC., Chicago, Ill. Filed June 23, 1941.

CONTINENTAL

FOR COFFEE URNS.
Claims use since January, 1933.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 439,864. THE FORGING AND CASTING CORPORATION, Ferndale, Mich. Filed Jan. 22, 1941.

GRAFALOY

FOR STEEL.
Claims use since Jan. 2, 1941.

CLASS 15

OILS AND GREASES

Ser. No. 431,545. AUSTIN T. COLLINS, doing business as Miracle Lubricating Company, Detroit, Mich. Filed May 4, 1940.

Miracle Pep

COVERS COATS CUSHIONS

The words "Covers, Coats, Cushions" are disclaimed apart from the mark.
FOR LUBRICATING OILS.
Claims use since June 6, 1939.

Ser. No. 444,995. FRONTIER FUEL OIL CORPORATION, Buffalo, N. Y. Filed July 1, 1941.

BON-TIER

FOR MOTOR LUBRICATING OILS.
Claims use since June 20, 1941.

Ser. No. 444,996. FRONTIER FUEL OIL CORPORATION, Buffalo, N. Y. Filed July 1, 1941.

SPC

FOR MOTOR LUBRICATING OILS.
Claims use since June 20, 1941.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 445,561. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio. Filed July 22, 1941.

SOLCAPA

FOR COLD WATER PAINT.
Claims use since June 20, 1941.

Ser. No. 445,645. THE TREMCO MANUFACTURING COMPANY, Cleveland, Ohio. Filed July 25, 1941.

PERMAVAR

FOR PAINT ENAMELS.
Claims use since Aug. 7, 1928.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 443,217. FRITZ S. BAER, doing business as F. S. Baer Co., Los Angeles, Calif. Filed May 3, 1941.



BACO

FOR CIGARS, CIGARETTES, SMOKING TOBACCO, AND CHEWING TOBACCO.
Claims use since Feb. 16, 1941.

CLASS 19

VEHICLES, NOT INCLUDING ENGINES

Ser. No. 444,001. KEEP KLEAN COVER CO. INC., St. Louis, Mo. Filed May 28, 1941.

JOYRIDE

FOR AUTOMOBILE SEAT COVERS.
Claims use since February, 1936.

Ser. No. 444,871. KEEP KLEAN COVER CO. INC., St. Louis, Mo. Filed June 26, 1941.

RideRite

FOR AUTOMOBILE SEAT COVERS.
Claims use since May 12, 1941.

CLASS 20

LINOLEUM AND OILED CLOTH

Ser. No. 446,154. ARMSTRONG CORK COMPANY, Lancaster, Pa. Filed Aug. 12, 1941.

LINOSET

FOR PREFABRICATED, DECORATIVE ELEMENTS OF LINOLEUM AND SIMILAR HARD SURFACE FLOOR COVERINGS.
Claims use since May 23, 1929.

Ser. No. 446,155. ARMSTRONG CORK COMPANY, Lancaster, Pa. Filed Aug. 12, 1941.

Linostrip

FOR RIBBONS OR BANDS OF LINOLEUM AND SIMILAR HARD SURFACE FLOOR COVERINGS.
Claims use since June 22, 1929.

Ser. No. 446,156. ARMSTRONG CORK COMPANY, Lancaster, Pa. Filed Aug. 12, 1941.

Marbelle

FOR LINOLEUM AND SIMILAR HARD SURFACE FLOOR COVERINGS.
Claims use since Apr. 18, 1932.

Ser. No. 446,157. ARMSTRONG CORK COMPANY, Lancaster, Pa. Filed Aug. 12, 1941.

Monobelle

FOR LINOLEUM AND SIMILAR HARD SURFACE FLOOR COVERINGS.
Claims use since June 24, 1937.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 445,578. HOT SHOT PROD COMPANY, San Diego, Calif. Filed July 23, 1941.

HOT-SHOT

FOR ELECTRIC ANIMAL PRODS.
Claims use since Dec. 16, 1939.

Ser. No. 445,619. THORDARSON ELECTRIC MANUFACTURING COMPANY, Chicago, Ill. Filed July 24, 1941.

TROPEX

FOR ELECTRIC TRANSFORMERS.
Claims use since Jan. 24, 1939.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 445,801. MILTON BRADLEY COMPANY, Springfield, Mass. Filed July 31, 1941.

Vita Lee

Applicant disclaims the word "Lee" apart from the mark.
FOR BOARD GAME.
Claims use since Apr. 1, 1941.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 445,500. THE F. E. MYERS & BROS. COMPANY, Ashland, Ohio. Filed July 19, 1941.

Multi-Flow

FOR PUMPS.
Claims use since June 25, 1941.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 439,512. THE J. R. CLARK CO., Minneapolis, Minn. Filed Jan. 9, 1941.

AIR-FLOW

FOR IRONING TABLES.
Claims use since Jan. 3, 1941.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 438,486. MERCURY BATTERY CHARGER & TESTER CORP., Kansas City, Mo., assignor to The Mercury Corporation. Filed Dec. 3, 1940.

COMET

FOR COMBINED BATTERY CHARGING AND TESTING APPARATUS.
Claims use since Nov. 1, 1940.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 440,181. H. SEGAL, New York, N. Y. Filed Jan. 31, 1941. Under 10-year proviso.

S & C
SMITH AND CROSBY

FOR LOCKETS, CROSSES, BRACELETS, WRIST WATCH BANDS, WATCH AND KEY CHAINS, BROOCH PINS, TIE HOLDERS, NECK CHAINS, AND COLLAR PINS, ALL MADE OF PRECIOUS METAL OR PLATED WITH METAL.
Claims use since 1874.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 420,724. OX FIBRE BRUSH COMPANY, INC., New York, N. Y. Filed June 20, 1939.

OX

FOR STREET BRUSHES AND BROOMS.
Claims use since Apr. 20, 1939.

Ser. No. 420,725. OX FIBRE BRUSH COMPANY, INC., New York, N. Y. Filed June 20, 1939.



FOR STREET BRUSHES AND BROOMS.
Claims use since Apr. 20, 1939.

Ser. No. 420,727. OX FIBRE BRUSH COMPANY, INC., New York, N. Y. Filed June 20, 1939.

OX

FOR STREET BRUSHES AND BROOMS.
Claims use since April, 1939.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 445,703. THE SUN RUBBER COMPANY, Barberton, Ohio. Filed July 28, 1941.

SUNRUCO
Spunfoam

FOR SPONGE RUBBER CUSHIONS.
Claims use since July 1, 1941.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 419,994. ANIMATED AIR INCORPORATED, New York, N. Y. Filed May 31, 1939.

ANIMATOR

FOR AIR CONDITIONING UNITS.
Claims use since Sept. 1, 1937.

Ser. No. 433,755. INTERNATIONAL HEATER COMPANY, Utica, N. Y. Filed July 8, 1940.

ECONOMY

Applicant is the owner of registration No. 107,339 of Nov. 23, 1915, * * * that said registration * * * has been duly renewed by this application, and has not been abandoned.
FOR OIL BURNERS FOR HEATING BOILERS, OIL BURNERS FOR WARM AIR HEATERS, OIL BURNERS FOR AIR CONDITIONING EQUIPMENT BOTH BOILERS AND HEATERS.
Claims use since August, 1936.

Ser. No. 437,959. ELGIN ROWLAND PARKER, doing business as Southern Water Heater Company, Compton, Calif. Filed Nov. 16, 1940.

Imperial

FOR AUTOMATIC STORAGE GAS WATER HEATERS.
Claims use since October, 1938.

Ser. No. 437,961. ELGIN ROWLAND PARKER, doing business as Southern Water Heater Company, Compton, Calif. Filed Nov. 16, 1940.

MORANCO

FOR AUTOMATIC STORAGE GAS WATER HEATERS.
Claims use since August, 1939.

Ser. No. 444,976. OIL DEVICES, Santa Fe, N. Mex. Filed June 30, 1941.

DRAFT-O-LITE

FOR SPACE HEATERS, FURNACES, HOT WATER HEATERS, AND BURNERS EMPLOYING LIQUID HYDROCARBON FUELS.
Claims use since January, 1940.

CLASS 37

PAPER AND STATIONERY

Ser. No. 444,316. WARD PAPER COMPANY, Merrill, Wis. Filed June 7, 1941.

Airweight

FOR MANIFOLD, BOND, AND SULPHITE PAPER.
Claims use since Dec. 13, 1940.

Ser. No. 444,856. BENMONT PAPERS, INC., Bennington, Vt. Filed June 26, 1941.

BenMont

Applicant is the owner of Regs. Nos. 178,636; 375,214; and 375,217.

FOR WAXED PAPER, WAXED PAPER LUNCH ROLLS, DRY AND WAXED SHREDDED PAPER, CHRISTMAS WRAPPING PAPER, SHELF PAPER, CANDY WRAPS, TISSUE PAPER, PAPER RIBBONS, CELLULOSE WRAPS, PRINTED PAPERS, EMBOSSED PAPERS, INDUSTRIAL WAXED PAPERS, PAPER BUTTER WRAPS, PAPER BUTTER ROLLS, PAPER LUNCH ROLLS, SLIP SHEET FOLDERS, ROLL PAPER TOWELS, PAPER PARTY TOWELS, PAPER DRAPERIES OF ALL KINDS, POLISHING PAPER ROLLS, PAPER LAMPSHADE TAPE, PAPER TISSUE TIES, CELLULOSE WRAPPERS, SHELF PAPERS, HEAVY WRAPPINGS, FANCY WRAPPINGS, PAPER PIE TAPE, BULK 29½ INCH PAPER ROLLS, PAPER NAPKINS, PAPER SHOE POLISHING CLOTHS, PAPER DOILIES, BOX COVER PAPERS, PRINTED SHELF PAPERS, PRINTED TOWELS, PAPER APRONS, PAPER SHEETS, PAPER PILLOW CASES, AND PAPER NOVELTIES.

Claims use since Mar. 5, 1923.

Ser. No. 445,545. DENNISON MANUFACTURING COMPANY, Framingham, Mass. Filed July 22, 1941.

HEAT SEAL

The words "Heat Seal" used alone are disclaimed.

FOR GUMMED PAPER AND LABELS.

Claims use since November, 1940.

CLASS 39

CLOTHING

Ser. No. 441,787. JACK RAPPAPORT, INC., New York, N. Y. Filed Mar. 21, 1941.

Genuine "FORMAKER"

The word "Genuine" is disclaimed apart from the mark.

FOR WOMEN'S AND MISSES' HOUSECOATS, BED-JACKETS, NEGLIGEES, NIGHT-GOWNS, SLIPS, PAJAMAS, VESTS, PANTIES, BLOOMERS.

Claims use since Dec. 19, 1940.

Ser. No. 442,962. MAY KNITTING CO. INC., New York, N. Y., assignor to Irwill Knitwear Corporation, New York, N. Y., a corporation of New York. Filed Apr. 25, 1941.

Sorori-teen-Knit

No claim is made to the word "Knit" apart from the mark.

FOR WOMEN'S AND GIRLS' SWEATERS.

Claims use since Mar. 18, 1941.

Ser. No. 444,817. BABS JUNIOR INCORPORATED, New York, N. Y. Filed June 25, 1941.

PARACHUTE-SILHOUETTE

The word "Parachute" is disclaimed.

FOR JUNIOR AND MISSES' DRESSES.

Claims use since Jan. 1, 1941.

Ser. No. 444,831. R. LOWENBAUM MANUFACTURING CO., St. Louis, Mo. Filed June 25, 1941.

Affinitype

No claim is made to the word "Type" apart from the mark.

FOR LADIES', MISSES', AND JUNIORS' FROCKS AND HOUSE AND STREET DRESSES.

Claims use since May 20, 1941.

Ser. No. 445,022. STERN, MERRITT CO. INC., New York, N. Y. Filed July 2, 1941.

GAY 90'S PRINTS

No claim is made to the word "Prints" apart from the mark.

FOR NECKTIES.

Claims use since June 1, 1940.

Ser. No. 445,059. LASKIN BROTHERS, INC., Philadelphia, Pa. Filed July 3, 1941.

Downy Dons

Applicant disclaims the word "Downy" apart from the mark.

FOR WOMEN'S, MISSES', AND CHILDREN'S PANTIES, SLIPS, NIGHT DRESSES, PAJAMAS, COMBINATIONS WHICH ARE GARMENTS COMPRISING A BRASSIÈRE PORTION, AN ABDOMINAL PORTION, AND A PANTY PORTION, AND PETTICOATS.

Claims use since August, 1936.

Ser. No. 445,065. THE MANHATTAN SHIRT COMPANY, New York, N. Y. Filed July 3, 1941.

PACE

FOR SHORTS FOR MEN AND BOYS.

Claims use since May 26, 1939.

Ser. No. 445,174. FENWAY COATS, INC., New York, N. Y. Filed July 8, 1941.

PACA-Point

The word "Point" is disclaimed apart from the mark.

FOR LADIES' AND MISSES' COATS, SUITS, AND COAT AND SUIT COMBINATIONS.

Claims use since Jan. 2, 1940.

Ser. No. 445,179. INTERWOVEN STOCKING COMPANY, New Brunswick, N. J. Filed July 8, 1941.

Interwoven Youngfellow

FOR HOSIERY.

Claims use since June 18, 1941.

Ser. No. 445,286. A. DE PINNA CO., INC., New York, N. Y. Filed July 12, 1941.

RIO CLOTH

The word "Cloth" is disclaimed apart from the mark.

FOR MEN'S AND BOYS' SUITS.

Claims use since Apr. 9, 1940.

Ser. No. 445,470. THE LA SALLE HAT COMPANY, Philadelphia, Pa. Filed July 18, 1941.



SKY CHAMP

FOR MEN'S AND BOYS' HATS AND CAPS.

Claims use since June 4, 1941.

Ser. No. 445,485. BELDOCH-POPPER INC., New York, N. Y. Filed July 19, 1941.

Varsity Brag

FOR SWEATERS, AND SWEATER ENSEMBLES, CONSISTING OF SWEATER AND COAT.

Claims use since April, 1941.

Ser. No. 445,495. GEORGE GOLDENBERG INC., New York, N. Y. Filed July 19, 1941.

ZIP-MASTER

FOR LADIES' AND MISSES' AND JUNIORS' COATS AND SUITS.

Claims use since March, 1941.

Ser. No. 445,517. COOPER, WELLS & COMPANY, St. Joseph, Mich. Filed July 21, 1941.

SEALATEX

FOR HOSIERY.

Claims use since July 10, 1941.

Ser. No. 445,554. MITCHELL BROS. CO., Chicago, Ill. Filed July 22, 1941.

Anne Mitchell

The trade-mark consists of the facsimile signature of Anne Mitchell.

FOR MISSES' AND WOMEN'S DRESSES.

Claims use since July 17, 1940.

Ser. No. 445,562. SPRINGSTEP, INC., New York, N. Y. Filed July 22, 1941.



FOR SLIPPERS, SHOES, AND SANDALS OF LEATHER, FABRIC AND RUBBER AND COMBINATIONS OF THE SAME.

Claims use since July 17, 1941.

Ser. No. 445,694. LAKELAND MANUFACTURING COMPANY, Sheboygan, Wis. Filed July 28, 1941.

King Cuna

FOR MEN'S AND BOYS' OVERCOATS, TOP COATS, AND SPORT COATS.
Claims use since Aug. 15, 1938.

Ser. No. 445,738. GEORGE KATES, INC., New York, N. Y. Filed July 29, 1941.

WHIRLAWAY

FOR LADIES' NEGLIGEES, HOSTESS COATS, HOUSE COATS, AND LOUNGING ROBES.
Claims use since Feb. 10, 1939.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 436,287. FIRMA PAUL SCHÖNFELD, Chemnitz, Germany. Filed Sept. 23, 1940.



The representation of the goods is disclaimed apart from the mark.
FOR KNITTED TEXTILE PIECE GOODS OF WOOL, COTTON, SILK, ARTIFICIAL SILK, CELLULAR YARN, AND COMBINATIONS THEREOF.
Claims use since 1938.

Ser. No. 440,929. FIRTH CARPET COMPANY, New York, N. Y. Filed Feb. 24, 1941.

SEAM·STRESS

The word "Seam" is disclaimed apart from its combination with the word "Stress."
FOR CARPETS AND RUGS.
Claims use since July 10, 1940.

Ser. No. 445,327. THE MAY DEPARTMENT STORES COMPANY, New York, N. Y., Baltimore, Md., Cleveland, Ohio, Los Angeles, Calif., Denver, Col., doing business as Famous-Barr Company, St. Louis, Mo., and the M. O'Neil Co., Akron, Ohio. Filed July 14, 1941.

GRAND VIEW

FOR CURTAINS OF COTTON AND RAYON AND COMBINATIONS THEREOF.
Claims use since June 21, 1941.

Ser. No. 445,547. FARIBAULT WOOLEN MILL COMPANY, Faribault, Minn. Filed July 22, 1941.

Langora

FOR TEXTILE BLANKETS.
Claims use since Feb. 15, 1941.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 445,593. UNITED GRAPE PRODUCTS SALES CORPORATION, Buffalo, N. Y. Filed July 23, 1941.

ROYAL PURPLE

FOR GRAPE JUICE.
Claims use since 1916.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 412,763. RASMUS HANSEN, Copenhagen, Denmark. Filed Nov. 15, 1938.



The figure is fanciful. No claim is made to the word "Brand."
FOR DAIRY PRODUCTS—NAMELY, CHEESE, BUTTER, CREAM, AND MILK (PURE AND CONDENSED), AND CASEIN.
Claims use since Apr. 13, 1934.

Ser. No. 433,566. GREMIO DOS EXPORTADORES DE AZEITE, Lisbon, Portugal. Filed July 1, 1940. Under the act of February 20, 1905, as amended June 10, 1938.



All the wording is disclaimed apart from the mark.
FOR OLIVE OIL.
Claims use since Nov. 3, 1938.

Ser. No. 437,207. MACLEOD LABORATORIES, Palmyra, N. J. Filed Oct. 23, 1940.

PEPAPPLE

FOR CANNED FRUITS AND FRUIT JUICES FOR FOOD PURPOSES.
Claims use since Oct. 1, 1940.

Ser. No. 437,209. MACLEOD LABORATORIES, Palmyra, N. J. Filed Oct. 23, 1940.

PEPWICH

FOR SANDWICHES, WAFFLE SANDWICHES, AND PIES.
Claims use since Oct. 1, 1940.

Ser. No. 439,379. JOHN A. WOOD, doing business as Pikle-Rite Company, Chicago, Ill. Filed Jan. 2, 1941.



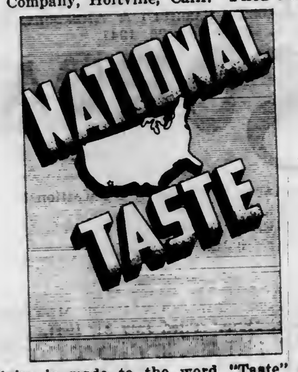
The words "American Style" are disclaimed apart from the mark. The drawing is lined for red, yellow, and green.
FOR BOTTLED CUCUMBER PICKLES.
Claims use since November, 1939.

Ser. No. 440,045. R. C. HAUSINGER, doing business as Texas Food Products Co., Sugar Land and Mission, Tex. Filed Jan. 28, 1941.

TEX-ZEST

FOR CANNED CITRUS FRUIT JUICES FOR FOOD PURPOSES.
Claims use since Dec. 3, 1940.

Ser. No. 440,294. K. K. SHARP, doing business as K. K. Sharp Company, Holtville, Calif. Filed Feb. 4, 1941.



No claim is made to the word "Taste" and to the outline of the map of the United States apart from the mark. The drawing is lined for blue and red.
FOR FRESH VEGETABLES.
Claims use since Jan. 23, 1941.

Ser. No. 442,308. CZARNIKOW-RIONDA COMPANY, New York, N. Y. Filed Apr. 5, 1941.

RIOCANE

FOR SUGAR.
Claims use since Apr. 1, 1941.

Ser. No. 442,453. MITCHELL CANNERIES, INC., Thomasville, Ga. Filed Apr. 10, 1941.

Sun-Pure

The word "Pure" is disclaimed apart from the mark.
FOR CANNED CITRUS FRUIT JUICES FOR FOOD PURPOSES.
Claims use since 1933.

Ser. No. 442,913. JOSEPH D. MOSS, doing business as Moss Bros.. Nut Co., Philadelphia, Pa. Filed Apr. 24, 1941.

CHUNK-E-NUT

The word "Nut" is disclaimed apart from the mark.
FOR PEANUT BUTTER AND SALTED PEANUTS, SALTED CASHEW NUTS, SALTED ASSORTED NUTS.
Claims use since Nov. 15, 1940.

Ser. No. 444,680. THE QUAKER OATS COMPANY, Chicago, Ill. Filed June 19, 1941.

MOTHER'S

Applicant is the owner of the following registrations: No. 75,622, Oct. 26, 1909 (renewed); No. 143,143, May 24, 1921 (renewed); No. 186,809, July 22, 1924.
FOR SOUP.
Claims use since May 7, 1941.

Ser. No. 445,632. GARGIULO & AMENDOLA, INC., New York, N. Y. Filed July 25, 1941.

SOROA

The applicant is the owner of registration No. 357,143, issued May 24, 1938.
FOR CANNED FRUITS.
Claims use since June 18, 1931.

Ser. No. 445,823. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn. Filed July 31, 1941.

FLYING FORTRESS

FOR WHEAT FLOUR.
Claims use since June 26, 1941.

Ser. No. 446,240. POWELL'S, New York, N. Y. Filed Aug. 14, 1941.

UNCLE SAM

FOR CANDIES.
Claims use since 1882.

CLASS 47

WINES

Ser. No. 438,398. MEIER'S WINE CELLARS, INC., Silverton, Ohio. Filed Nov. 30, 1940.



Applicant disclaims the outline map of the State of Ohio.
FOR WINES.
Claims use since July 1, 1940.

Ser. No. 440,577. CAPUCHO, FONSECA & FRIAS, LTDA., Vila Nora De Gaia, Portugal. Filed Feb. 12, 1941.

FRASI'S PRODUCTS

PORTUGAL

No claim is made to the words "Products of Portugal" apart from the mark.
FOR WINES AND VERMOUTH.
Claims use since Jan. 1, 1941.

Ser. No. 442,804. SALAVATORE A. SALOMONE, doing business as Riverbank Wine Co., New York, N. Y. Filed Apr. 21, 1941.

Riverbank



FOR WINES.
Claims use since Dec. 6, 1933.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. 422,416. OLDETYME DISTILLERS, INC., New York, N. Y., assignor to Oldetyme Distillers Corporation, a corporation of Delaware. Filed Aug. 8, 1939.

GRAND UNION

FOR WHISKEY.
Claims use since July 25, 1939.

Ser. No. 442,685. BEN-BURK, INC., Boston, Mass. Filed Apr. 18, 1941.

"SPOT BOTTLE"

The word "Bottle" is disclaimed apart from the mark.
FOR RYE AND BOURBON WHISKEY.
Claims use since Jan. 6, 1938.

Ser. No. 444,905. GENERAL DISTILLERS CORPORATION OF KENTUCKY, Louisville, Ky. Filed June 27, 1941.

Old Kentucky

General

No claim is made to the term "Kentucky" apart from the mark.
FOR WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS.
Claims use since Jan. 19, 1938.

Ser. No. 444,966. THE FLEISCHMANN DISTILLING CORPORATION, New York, N. Y. Filed June 30, 1941.



Sky Lark

FOR WHISKEY.
Claims use since Apr. 1, 1898.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 444,928. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed June 28, 1941. Under the act of February 20, 1905, as amended June 10, 1938.

CELLENE

FOR WATER-PROOFED FABRICS.
Claims use since January, 1941.

Ser. No. 444,951. H. WENZEL TENT & DUCK COMPANY, St. Louis, Mo. Filed June 28, 1941.

BEAVER

FOR TARPAULINS.
Claims use since Jan. 1, 1928.

Ser. No. 444,952. H. WENZEL TENT & DUCK COMPANY, St. Louis, Mo. Filed June 28, 1941.

BISON

FOR TARPAULINS.
Claims use since Jan. 1, 1928.

Ser. No. 444,953. H. WENZEL TENT & DUCK COMPANY, St. Louis, Mo. Filed June 28, 1941.

DEERSKIN

FOR TARPAULINS.
Claims use since Jan. 1, 1928.

Ser. No. 444,955. H. WENZEL TENT & DUCK COMPANY, St. Louis, Mo. Filed June 28, 1941.

RAWHIDE

FOR TARPAULINS.
Claims use since Jan. 1, 1928.

Ser. No. 445,518. WILLIAM F. COYNE, doing business as Shu-Rap & Sava-Towl Paper Products Co., Chicago, Ill. Filed July 21, 1941.

SAVA-TOWL

FOR ABSORBENT FELT OR PAPER MATS TO STAND OR SIT ON.
Claims use since July 6, 1940.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

SEPTEMBER 23, 1941

390,356. HAIR TREATING PREPARATIONS, INCLUDING HAIR WASHING ARTICLES, HAIR OILS, OIL SHAMPOO TINTS, AND HAIR DYES. INECTO, INC., New York, N. Y.
Filed October 15, 1937. Serial No. 398,538. PUBLISHED DECEMBER 28, 1937. Class 6.

390,357. MEDICINAL WAFERS CONTAINING DICALCIUM PHOSPHATE AND VIOSTEROL. ABBOTT LABORATORIES, North Chicago, Ill.
Filed January 17, 1938. Serial No. 401,965. PUBLISHED MAY 3, 1938. Class 6.

390,358. BABY PANTS. I. B. KLEINERT RUBBER COMPANY, New York, N. Y.
Filed March 25, 1939. Serial No. 417,495. PUBLISHED JULY 1, 1941. Class 39.

390,359. ROAD AND RAILWAY (MOTOR) AND TRAILER CARS AND TRUCKS AND STRUCTURAL PARTS THEREOF. DIFFERENTIAL STEEL CAR COMPANY, Findlay, Ohio.
Filed April 12, 1939. Serial No. 418,139. PUBLISHED JULY 15, 1941. Class 19.

390,360. CHEMICAL PREPARATION USED AS A BASE FOR OINTMENTS AND HAVING THE PROPERTY OF PROMOTING PENETRATION OF THE OINTMENT. J. HALDEN & COMPANY, LIMITED, Stockport, England.
Filed May 31, 1939. Serial No. 420,002. PUBLISHED JULY 8, 1941. Class 6.

390,361. GLOVES OF LEATHER AND FABRIC, OR A COMBINATION OF LEATHER AND FABRIC. THE DANIEL HAYS COMPANY, INC., Gloversville, N. Y.
Filed October 27, 1939. Serial No. 424,960. PUBLISHED JULY 1, 1941. Class 39.

390,362. WINDOW CURTAINS. BARTMANN & BIXER INC., New York, N. Y.
Filed March 8, 1940. Serial No. 429,340. PUBLISHED JULY 15, 1941. Class 42.

390,363. SHOES AND SLIPPERS CONSTRUCTED OF LEATHER, FABRIC, AND STRAW. GROVES SHOE Co., Chicago, Ill.
Filed March 18, 1940. Serial No. 429,699. PUBLISHED APRIL 8, 1941. Class 39.

390,364. ROLLED OATS. THE QUAKER OATS COMPANY, Chicago, Ill.
Filed January 29, 1940. Serial No. 427,992. PUBLISHED JULY 15, 1941. Class 46.

390,365. WOVEN ELASTIC FABRIC, PIECE GOODS OF COTTON, RAYON, WOOL, SILK, AND ANY OTHER YARNS USED FOR FABRICS, AND COMBINATIONS THEREOF, ETC. DARLINGTON FABRICS CORPORATION, New York, N. Y.
Filed April 1, 1940. Serial No. 430,220. PUBLISHED JULY 15, 1941. Class 42.

390,366. HATS FOR WOMEN. I. B. KLEINERT RUBBER COMPANY, New York, N. Y.
Filed April 15, 1940. Serial No. 430,776. PUBLISHED JULY 1, 1941. Class 39.

390,367. MATTRESS COVERS, COMFORT AND BLANKET COVERS, DAY BED COVERS, PILLOW COVERS, FOLDING BED COVERS, BAR HARBOR PILLOW COVERS, TABLE CLOTHS. SURE-FIT PRODUCTS COMPANY, Philadelphia, Pa.
Filed May 10, 1940. Serial No 431,790. PUBLISHED JULY 15, 1941. Class 42.

390,368. ROOF AND SIDE WALL COVERING MATERIALS—NAMELY, ASPHALT ROOFING, SIDING, SHEATHING PAPER, ASPHALT SHINGLES, BUILDING PAPERS. UNITED STATES GYPSUM COMPANY, Chicago, Ill.
Filed May 20, 1940. Serial No. 432,166. PUBLISHED JULY 15, 1941. Class 12.

390,369. METAL LATH, CORNER BEAD, EXPANDED METAL CORNER BEAD, METALLIC PICTURE MOULD, BASE SCREED, ETC. NATIONAL GYPSUM COMPANY, Buffalo, N. Y.
Filed May 23, 1940. Serial No. 432,268. PUBLISHED JULY 15, 1941. Class 12.

390,370. MISSILES FOR RACKET GAMES, MISSILE RACKETS AND ACCESSORIES THEREFOR, RACKET COVERS AND CASES, ETC. SPALDING SALES CORPORATION, Chicopee, Mass.
Filed May 28, 1940. Serial No. 432,455. PUBLISHED JULY 15, 1941. Class 22.

390,371. CHEMICAL PRODUCTS USED AS DISINFECTANT BASES AND WHICH ARE NOT SUITABLE FOR USE AS A LIQUID INSECTICIDE CONTACT SPRAY AND FUNGICIDE. GIVAUDAN-DELAWANNA, INC., New York, N. Y.
Filed May 31, 1940. Serial No. 432,524. PUBLISHED JULY 23, 1940. Class 6.

390,372. DETACHABLE CROTCH MEMBERS FOR USE WITH WOMEN'S PANTY GIRDLES. BLAIR CORSET COMPANY, Chicago, Ill.
Filed June 26, 1940. Serial No. 433,373. PUBLISHED JUNE 17, 1941. Class 39.

390,373. PREPARATIONS FOR BERI-BERI, INFLUENZA, PNEUMONIA, SEPTICEMIA, MALARIA, AND OTHER FEBRILE DISEASES, ETC. CH. TAKEDA & CO., LTD., Osaka, Japan.
Filed JULY 8, 1940. Serial No. 433,766. PUBLISHED JULY 15, 1941. Class 6.

390,374. FLATWARE FOR TABLE USE, HOLLOWWARE FOR TABLE AND DECORATIVE USES, ETC. GEORG JENSEN INC., New York, N. Y.
Filed August 10, 1940. Serial No. 434,876. PUBLISHED JULY 15, 1941. Class 28.

390,375. FRESH CITRUS FRUIT. GARDEN GROVE MUTUAL ORANGE ASSN., Garden Grove, Calif.
Filed September 10, 1940. Serial No. 435,842. PUBLISHED JULY 15, 1941. Class 46.

390,376. METEROLOGICAL APPARATUS FOR MEASURING AND RECORDING METEROLOGICAL CONDITIONS OF THE ATMOSPHERE, SUCH AS TEMPERATURE, PRESSURE, HUMIDITY, WIND VELOCITY, WIND DIRECTION, ETC. WASHINGTON INSTITUTE OF TECHNOLOGY, INC., Washington, D. C.
Filed September 14, 1940. Serial No. 435,991. PUBLISHED JULY 15, 1941. Class 26.

390,377. SCREWS, BOLTS, NUTS, AND RIVETS. CENTRAL SCREW COMPANY, Chicago, Ill.
Filed September 21, 1940. Serial No. 436,203. PUBLISHED JULY 8, 1941. Class 13.

390,378. GLOVES MADE OF LEATHER AND/OR FABRIC. THE SCHAFER Co., Decatur, Ind.
Filed September 24, 1940. Serial No. 436,320. PUBLISHED JUNE 17, 1941. Class 39.

390,379. PROTECTIVE GARMENTS MADE OF CELLOPHANE, PAPER, AND TEXTILES FOR WEAR FOR FITTINGS OF REGULAR GARMENTS, OTHER APPAREL AND ACCESSORIES. LILLY LUSTIG, New York, N. Y.
Filed September 25, 1940. Serial No. 436,350. PUBLISHED JUNE 17, 1941. Class 39.

390,380. NOZZLES FOR GASOLINE HOSE OR GASOLINE PUMPS. AMERICAN MACHINE & METALS, INC., New York, N. Y.
Filed OCTOBER 10, 1940. Serial No. 436,786. PUBLISHED JULY 15, 1941. Class 13.

390,381. AUTOMATIC GAS HEATING AND AIR CONDITIONING UNITS. THE UNION FORK & HOE COMPANY, Columbus, Ohio.
Filed October 10, 1940. Serial No. 436,826. PUBLISHED JULY 1, 1941. Class 34.

390,382. CORSETS, GIRDLES, FOUNDATIONS, BRASSIÈRES, CORSELETS, BANDEAUX, COMBINATIONS COMPOSED OF GIRDLES AND PANTIES AND GIRDLES AND BRASSIÈRES. KABO CORSET COMPANY, Chicago, Ill.
Filed October 11, 1940. Serial No. 436,849. PUBLISHED JULY 1, 1941. Class 39.

390,383. HAIR NETS. BROOKLYN MILLS, INC., New York, N. Y.
Filed October 22, 1940. Serial No. 437,163. PUBLISHED JULY 15, 1941. Class 39.

390,384. METAL SAFETY ASSEMBLY FRAME FOR ELECTRIC GLASS COFFEE MAKERS. GUSTAVE A. CHARLSTON, Portland, Oreg.
Filed October 22, 1940. Serial No. 437,164. PUBLISHED JULY 15, 1941. Class 13.

390,385. SYNTHETIC THREAD AND YARN AND THREAD AND YARN FILAMENTS. AMERICAN VISCOSE CORPORATION, Wilmington, Del.
Filed October 29, 1940. Serial No. 437,361. PUBLISHED JULY 8, 1941. Class 43.

390,386. MEDICINE IN THE FORM OF A LINIMENT FOR EXTERNAL USE, AND RECOMMENDED FOR THE RELIEF OF ATHLETE'S FOOT, MUSCULAR ACHES AND PAINS, BURNS, CUTS, AND BRUISES. ALFRED HENDRICKSON, Fargo, N. Dak.
Filed November 8, 1940. Serial No. 437,679. PUBLISHED JULY 8, 1941. Class 6.

390,387. ANTI-LANDING DEVICE FOR PIGEONS AND OTHER BIRDS SECURED TO ROOFS, LEDGES, ETC., TO PREVENT BIRDS FROM LANDING ON THE SURFACE OF THE OBJECT TO WHICH THE DEVICE HAS BEEN SECURED. PTHINON BAR CO., New York, N. Y.
Filed November 20, 1940. Serial No. 538,085. PUBLISHED JULY 15, 1941. Class 12.

390,388. METAL WORKING MACHINE TOOLS PARTICULARLY AUTOMATIC CHUCKING AND TURNING MACHINES AND PARTS THEREOF INCLUDING CUTTERS, REAMERS, AND BORERS AND THE LIKE, AND TOOL HOLDERS THEREFOR. POTTER & JOHNSTON MACHINE COMPANY, Pawtucket, R. I.
Filed November 25, 1940. Serial No. 438,214. PUBLISHED JULY 15, 1941. Class 23.

390,389. CLEANSING CREAM AND DRY SKIN CLEANSER. THE SPECIAL FORMULA CORPORATION, East Orange, N. J.
Filed November 29, 1940. Serial No. 438,359. PUBLISHED JULY 15, 1941. Class 6.

390,390. BEER. SCHOENHOFEN EDELWEISS COMPANY, Chicago, Ill.
Filed December 6, 1940. Serial No. 438,588. PUBLISHED JULY 15, 1941. Class 48.

390,391. BOARD GAMES PLAYED WITH MOVABLE PIECES AND A SPINNER OR DICE. JOSEPH RITTENHOUSE, Wildwood, N. J.
Filed December 10, 1940. Serial No. 438,705. PUBLISHED JULY 15, 1941. Class 22.

390,392. SAPONACEOUS COMPOUNDS FOR CLEANING THE HANDS, SHAVING CREAMS, SHAVING STICKS, ETC. SHULTON, INC., New York, N. Y.
Filed December 18, 1940. Serial No. 438,999. PUBLISHED JULY 15, 1941. Class 4.

390,393. PORTABLE CONCRETE MIXERS. WAGNER CONCRETE EQUIPMENT COMPANY, Portland, Oreg.
Filed January 2, 1941. Serial No. 439,374. PUBLISHED JULY 15, 1941. Class 23.

390,394. COMPOSITIONS FOR USE IN THE PREPARATION AND TREATMENT OF LITHOGRAPHIC PLATES, ETC. THE COLEMAN & BELL COMPANY, Norwood, Ohio.
Filed January 15, 1941. Serial No. 439,688. PUBLISHED JULY 8, 1941. Class 6.

390,395. MEN'S GARTERS, SUSPENDERS, AND BELTS IN THE NATURE OF GARMENT SUPPORTERS. GLOBE NOVELTY HOUSE, New York, N. Y.
Filed January 15, 1941. Serial No. 439,693. PUBLISHED JULY 8, 1941. Class 39.

390,396. CHEMICAL COMPOUND FOR USE IN WATER-PROOFING, NOT IN THE NATURE OF A PAINT. WINNER MANUFACTURING CO., INC., Trenton, N. J.
Filed January 23, 1941. Serial No. 439,915. PUBLISHED JULY 8, 1941. Class 6.

390,397. GLASS IN SHEET FORM. BLUE RIDGE GLASS CORPORATION, Kingsport, Tenn.
Filed January 24, 1941. Serial No. 439,924. PUBLISHED JULY 1, 1941. Class 33.

390,398. ENAMEL COATINGS FOR ELECTRIC LAMP REFLECTORS. HYGRADE SYLVANIA CORPORATION, Salem, Mass.
Filed February 1, 1941. Serial No. 440,199. PUBLISHED JULY 15, 1941. Class 16.

390,399. GLOVES MADE OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. ALLIED STORES CORPORATION, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash.
Filed February 8, 1941. Serial No. 440,435. PUBLISHED JULY 1, 1941. Class 39.

390,400. PRESERVED FRUITS—VIZ., BIGARREAUX CHERRIES, GLACÉD CHERRIES, CANDIED CITRON PEEL, CANDIED FRUITS, ETC. CAUSSE MANUFACTURING & IMPORTING CO., Bound Brook, N. J.
Filed February 17, 1941. Serial No. 440,713. PUBLISHED JULY 15, 1941. Class 46.

390,401. MEN'S, WOMEN'S, AND CHILDREN'S BOOTS MADE OF LEATHER. H. J. JUSTIN & SONS, INC., Fort Worth, Tex.
Filed February 20, 1941. Serial No. 440,818. PUBLISHED JUNE 24, 1941. Class 39.

390,402. LEATHER GLOVES. LEWIS & LOCKE, INC., New York, N. Y.
Filed February 21, 1941. Serial No. 440,867. PUBLISHED JUNE 17, 1941. Class 39.

390,403. LADIES' LEATHER GLOVES. LEWIS & LOCKE, INC., New York, N. Y.
Filed February 21, 1941. Serial No. 440,868. PUBLISHED JULY 1, 1941. Class 39.

390,404. SPECIALLY CONSTRUCTED BOWLING SHOES. REUBEN METZ, Chicago, Ill.
Filed February 21, 1941. Serial No. 440,870. PUBLISHED JUNE 17, 1941. Class 39.

390,405. WINDOWS AND WINDOW FRAMES. LINDSLEY LUMBER COMPANY, Miami, Fla.
Filed February 24, 1941. Serial No. 440,942. PUBLISHED JULY 8, 1941. Class 12.

390,406. MEN'S AND BOYS' RUBBER FOOTWEAR—NAMELY, RUBBER BOOTS, ARCTICS, AND SHOES MADE OF LEATHER AND FABRIC AND COMBINATIONS THEREOF. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed February 24, 1941. Serial No. 440,958. PUBLISHED JULY 1, 1941. Class 39.

390,407. PASSENGER CARRYING AUTOMOBILE. WILLYS-OVERLAND MOTORS, INC., Toledo, Ohio.
Filed February 27, 1941. Serial No. 441,067. PUBLISHED JULY 1, 1941. Class 19.

390,408. WINDSHIELD WIPER BLADES AND PARTS THEREOF. THE ANDERSON COMPANY, Gary, Ind.
Filed February 28, 1941. Serial No. 441,072. PUBLISHED JULY 15, 1941. Class 19.

390,409. BELTS FOR OUTER WEAR AND SUSPENDERS. REAL SILK HOSIERY MILLS, INC., Indianapolis, Ind.
Filed March 3, 1941. Serial No. 441,178. PUBLISHED JULY 1, 1941. Class 39.

390,410. PREPARATION FOR EXTERNAL USE IN TREATING RHEUMATISM, NEURITIS, LUMBAGO, CORYZA, AND MORBID CONDITIONS OF THE MUSCLES AND JOINTS. GEORGE JOSEPH, doing business as Theriaca Products Company, New Kensington, Pa.
Filed March 6, 1941. Serial No. 441,293. PUBLISHED JULY 8, 1941. Class 6.

390,411. ROAD MAP HOLDERS ATTACHED TO OR FORMING PART OF THE SUN VISOR OR SHIELD OF AN AUTOMOBILE. ARTHUR J. FELTAULT, doing business as The Visamap Company, Hartford, Conn.
Filed March 7, 1941. Serial No. 441,337. PUBLISHED JULY 8, 1941. Class 19.

390,412. MEN'S AND WOMEN'S CAPS, COATS, PANTS, VESTS, AND OUTER SHIRTS. RED HEAD BRAND COMPANY, Chicago, Ill.
Filed March 10, 1941. Serial No. 441,412. PUBLISHED JULY 8, 1941. Class 39.

390,413. BOWLING SHOES. DODSON-FISHER COMPANY, Minneapolis, Minn.
Filed March 13, 1941. Serial No. 441,504. PUBLISHED JULY 8, 1941. Class 39.

390,414. BEET DRILLS, BEET LIFTERS, COMBINES, CORN PICKERS, CORN SHELLERS, ETC. MINNEAPOLIS-MOLINE POWER IMPLEMENT COMPANY, Minneapolis, Minn.
Filed March 13, 1941. Serial No. 441,517. PUBLISHED JULY 15, 1941. Class 23.

390,415. HAIR POMADE, SHAMPOO PREPARATION. PLOUGH, INC., Memphis, Tenn.
Filed March 14, 1941. Serial No. 441,547. PUBLISHED JULY 8, 1941. Class 6.

390,416. MEN'S AND BOYS' HATS. THE MALLORY HAT COMPANY, Danbury, Conn.
Filed March 17, 1941. Serial No. 441,615. PUBLISHED JULY 8, 1941. Class 39.

390,417. LADIES' DRESSES, COATS, OUTER SKIRTS, SUITS, JACKETS, SLACKS, BLOUSES, SCARFS, SWEATERS, HOUSECOATS, SLIPS, PANTIES, BRASSIÈRES, BLOOMERS, NIGHTGOWNS, AND HATS. JOHARA, INC., Chicago, Ill.
Filed March 19, 1941. Serial No. 441,703. PUBLISHED JUNE 17, 1941. Class 39.

390,418. WEARING APPAREL FOR MEN, WOMEN, AND CHILDREN—NAMELY, UNDERWEAR, HOSIERY, ETC. CHICAGO MAIL ORDER COMPANY, Chicago, Ill.
Filed March 20, 1941. Serial No. 441,725. PUBLISHED JULY 1, 1941. Class 39.

390,419. WEARING APPAREL FOR MEN, WOMEN, AND CHILDREN—NAMELY, UNDERWEAR, HOSIERY, ETC. CHICAGO MAIL ORDER COMPANY, Chicago, Ill.
Filed March 20, 1941. Serial No. 441,726. PUBLISHED JULY 1, 1941. Class 39.

390,420. LADIES' AND CHILDREN'S PLAY CLOTHES—NAMELY, DRESSES, SHORTS, HALTERS, ROMPERS, AND SUN SUITS, BATHING SUITS AND ROBES, SPORTS DRESSES AND SEMI-SPORTS DRESSES, EVENING DRESSES, GOWNS AND JACKETS, AND LADIES' HATS. THE CAPLES COMPANY, Chicago, Ill.; Omaha, Nebr.; Los Angeles, Calif.; and New York, N. Y.
Filed March 22, 1941, under the act of February 20, 1905, as amended June 10, 1938. Serial No. 441,808. PUBLISHED JULY 1, 1941. Class 39.

390,421. PHARMACEUTICAL PREPARATIONS FOR THE TREATMENT OF INDIGESTION, FLATULENCE, GASTRITIS, ETC. MACLEANS, LIMITED, Brentford, England.
Filed March 22, 1941. Serial No. 441,827. PUBLISHED JULY 8, 1941. Class 6.

390,422. ELASTIC THREAD AND STRANDS, BOTH COVERED AND UNCOVERED. THE AMERICAN MILLS COMPANY OF NEW YORK, West Haven, Conn., assignor to United Elastic Corporation, Easthampton, Mass., a corporation of Massachusetts.
Filed March 24, 1941. Serial No. 441,846. PUBLISHED JUNE 17, 1941. Class 43.

390,423. FACE POWDERS, FACE ROUGE, FACE CREAMS, LIPSTICKS, TOILET WATER, PERFUMES, ETC. HARRY D. KOENIG, doing business as André, New York, N. Y.
Filed March 24, 1941. Serial No. 441,872. PUBLISHED JULY 8, 1941. Class 6.

390,424. PHONOGRAPH NEEDLES. RECOTON CORPORATION, New York, N. Y.
Filed March 25, 1941. Serial No. 441,924. PUBLISHED JULY 15, 1941. Class 36.

390,425. WOMEN'S UNDERGARMENTS—NAMELY, PANTIES AND GIRDLES. THE WILLIAM CARTER COMPANY, Needham Heights, Mass.
Filed March 26, 1941. Serial No. 441,945. PUBLISHED JUNE 17, 1941. Class 39.

390,426. DECORATIVE WALL COVERING FOR ROOM INTERIORS, OF THE KIND COMMONLY KNOWN AS TILEBOARD. L. A. DUSSOL & CO., INC., Brooklyn, N. Y.
Filed March 27, 1941. Serial No. 442,005. PUBLISHED JULY 8, 1941. Class 12.

390,427. DEODORIZER. ANGLO SOAP CORPORATION, New York, N. Y.
Filed March 28, 1941. Serial No. 442,021. PUBLISHED JULY 8, 1941. Class 6.

390,428. CANDY. ELMER CANDY CO., INC., New Orleans, La.
Filed March 28, 1941. Serial No. 442,031. PUBLISHED JULY 15, 1941. Class 46.

390,429. FACE POWDER, FACE LOTIONS, FACE CREAMS, HAND LOTION, MASCARA, EYE SHADOW, LIPSTICK, SHAMPOO, FACIAL MASK, PERFUMES, TOILET WATERS, AND ROUGE. LINA CAVELIERO, INC., Seattle, Wash.
Filed March 31, 1941. Serial No. 442,107. PUBLISHED JULY 8, 1941. Class 6.

390,430. ELECTRICAL GOVERNORS FOR MOTORS. DYNAMATIC CORPORATION, Kenosha, Wis.
Filed March 31, 1941. Serial No. 442,116. PUBLISHED JULY 15, 1941. Class 21.

390,431. HAIRDRESSING. P AND K COMPANY, Washington, D. C.
Filed March 31, 1941. Serial No. 442,138. PUBLISHED JULY 8, 1941. Class 6.

390,432. LADIES' AND GIRLS' PLAYSUITS AND SPORTSWEAR—NAMELY, BATHING SUITS, SHORTS, SHIRTS, SLACKS, SKIRTS, DRESSES, JACKETS, HALTERS, AND BRASSIÈRES. LOUIS GEIGER, INC., New York, N. Y.
Filed April 1, 1941. Serial No. 442,162. PUBLISHED JUNE 24, 1941. Class 39.

390,433. MEN'S AND WOMEN'S HATS. JOHN B. STETSON COMPANY, Philadelphia, Pa.
Filed April 2, 1941. Serial No. 442,218. PUBLISHED JULY 1, 1941. Class 39.

390,434. GLOVES OF FABRIC AND COMBINATIONS OF FABRIC AND LEATHER. JULIUS KAYSER & CO., New York, N. Y.
Filed April 3, 1941. Serial No. 442,231. PUBLISHED JULY 1, 1941. Class 39

390,435. MEDICINE FOR LEG ULCERS, VARICOSE VEINS, BLOOD POISONING, AND BAD BLOOD. JOHN HORVATH, Passaic, N. J.
Filed April 4, 1941. Serial No. 442,263. PUBLISHED JULY 8, 1941. Class 6.

390,436. MEDICINE FOR ARTHRITIS AND STIFF JOINTS. JOHN HORVATH, Passaic, N. J.
Filed April 4, 1941. Serial No. 442,264. PUBLISHED JULY 8, 1941. Class 6.

390,437. ARTIFICIALLY COLORED TABLE SALT. STEWART S. PIPER, Elmira, N. Y.
Filed April 4, 1941. Serial No. 442,277. PUBLISHED JULY 15, 1941. Class 46.

390,438. WOVEN LADDER WEB FOR VENETIAN BLINDS. THOMAS FRENCH & SONS, LTD., New York, N. Y.
Filed April 5, 1941. Serial No. 442,316. PUBLISHED JUNE 17, 1941. Class 40.

390,439. CALCULATORS. NUTILITIES, INC., New York, N. Y.
Filed April 7, 1941. Serial No. 442,365. PUBLISHED JULY 15, 1941. Class 26.

390,440. ELECTRICAL RADIO-TUBE HEARING AIDS. PARAPHONE HEARING AID, INC., Cleveland, Ohio.
Filed April 7, 1941. Serial No. 442,367. PUBLISHED JULY 15, 1941. Class 44.

390,441. ALUMINUM, BRASS, AND BRONZE METAL CASTINGS. CENTRAL PATTERN AND FOUNDRY COMPANY, Chicago, Ill.
Filed April 7, 1941. Serial No. 442,381. PUBLISHED JULY 15, 1941. Class 14.

390,442. FISH OIL USED IN THE PREPARATION OF POULTRY FEEDS. EAST BAY FISHERIES, San Francisco, Calif.
Filed April 9, 1941. Serial No. 442,412. PUBLISHED JULY 8, 1941. Class 6.

390,443. INTERCOMMUNICATING SYSTEMS, THE PARTICULAR DESCRIPTION OF GOODS BEING A WIRED TELEPHONE INTERCOMMUNICATING SYSTEM USING LOUD-SPEAKERS FOR DELIVERY AND MICROPHONES FOR INTAKE. OPERADIO MANUFACTURING CO., St. Charles, Ill.
Filed April 9, 1941. Serial No. 442,425. PUBLISHED JULY 15, 1941. Class 21.

390,444. MEDICINAL COMPOUND CONTAINING LACTIC ACID, PECTIN, AND AGAR, USED IN THE TREATMENT OF DIARRHOEA, DYSENTERY, OR IRRITATIONS OF THE INTESTINAL TRACT. SEAL-INS LABORATORIES, INC., Los Angeles, Calif.
Filed April 9, 1941. Serial No. 442,432. PUBLISHED JULY 8, 1941. Class 6.

390,445. WOMEN'S OUTER AND UNDERGARMENTS—NAMELY, HATS, BELTS FOR OUTER WEAR, FABRIC GLOVES, HOSIERY, ETC. REVLON PRODUCTS CORPORATION, New York, N. Y.
Filed April 10, 1941. Serial No. 442,458. PUBLISHED JULY 1, 1941. Class 39.

390,446. WOMEN'S OUTER AND UNDERGARMENTS—NAMELY, HATS, BELTS FOR OUTER WEAR, FABRIC GLOVES, HOSIERY, ETC. REVLON PRODUCTS CORPORATION, New York, N. Y.
Filed April 10, 1941. Serial No. 442,459. PUBLISHED JULY 1, 1941. Class 39.

390,447. AUTOMOBILE EXHAUST PIPE DEFLECTORS. LOUIS A. KOCH, doing business as Koch Manufacturing Company, Louisville, Ky.
Filed April 11, 1941. Serial No. 442,492. PUBLISHED JULY 15, 1941. Class 23.

390,448. NEWSPAPER SECTION. NEW YORK EVENING JOURNAL, INC., New York, N. Y.
Filed April 11, 1941. Serial No. 442,496. PUBLISHED JUNE 3, 1941. Class 38.

390,449. JUICE-EXTRACTING MACHINE, ELECTRIC MOTOR DRIVEN. JIFFY JUICING MACHINES, INC., Seattle, Wash.
Filed April 14, 1941. Serial No. 442,557. PUBLISHED JULY 15, 1941. Class 21.

390,450. WOMEN'S, MISSES', AND CHILDREN'S DRESSES, COATS, SUITS, HATS, OUTERSKIRTS, UNDERSKIRTS, AND JACKETS MADE OF WOOL OR LEATHER. BEST & CO. INC., New York, N. Y.
Filed April 15, 1941. Serial No. 442,585. PUBLISHED JULY 1, 1941. Class 39.

390,451. WOMEN'S, MISSES', AND CHILDREN'S POCKETBOOKS AND HANDBAGS. BEST & CO. INC., New York, N. Y.
Filed April 15, 1941. Serial No. 442,586. PUBLISHED JULY 15, 1941. Class 3.

390,452. AUTOMOBILE FILLING STATION SUPPLIES OF LIQUID AND SEMILIQUID, LARGELY PETROLEUM AND HYDROCARBONS AND COMPOUNDS THEREFROM, ADAPTED AS FUEL AND LUBRICATING OILS AND GREASES. HICKOK OIL CORPORATION, Toledo, Ohio.
Filed April 16, 1941. Serial No. 442,628. PUBLISHED JULY 15, 1941. Class 15.

390,453. LADIES' AND MISSES' PANTIES AND GIRDLES. GLUVTEX CORPORATION, New York, N. Y.
Filed April 17, 1941. Serial No. 442,660. PUBLISHED JULY 1, 1941. Class 39.

390,454. FABRIC GLOVES. VAN RAALTE COMPANY, INC., New York, N. Y.
Filed April 17, 1941. Serial No. 442,675. PUBLISHED JULY 1, 1941. Class 39.

390,455. AUTOMOBILE TIRE JACKS. LOUIS L. JUDGE, doing business as Awning Hardware Co., Baltimore, Md.
Filed April 18, 1941. Serial No. 442,683. PUBLISHED JULY 15, 1941. Class 23.

390,456. REEDS AND MOUTHPIECES FOR MUSICAL INSTRUMENTS, AND WOODWIND MUSICAL INSTRUMENTS AND ACCESSORIES. MARIO MACCAFERRI, New York, N. Y.
Filed April 18, 1941. Serial No. 442,714. PUBLISHED JULY 15, 1941. Class 36.

390,457. FILMS CARRYING ASSOCIATED SOUND RECORDS AND PICTURES FOR PROJECTION. STANDARD BRANDS INCORPORATED, New York, N. Y.
Filed April 18, 1941. Serial No. 442,734. PUBLISHED JULY 15, 1941. Class 26.

390,458. HAMBURGER ROLLS IN THE NATURE OF BAKERY PRODUCTS. CURT MICHAELIS, Jersey City, N. J.
Filed April 21, 1941. Serial No. 442,795. PUBLISHED JULY 15, 1941. Class 46.

390,459. UMBRELLAS AND PARASOLS. L. BAMBERGER & CO., Newark, N. J.
Filed April 24, 1941. Serial No. 442,890. PUBLISHED JUNE 24, 1941. Class 41.

390,460. WOMEN'S, MISSES', AND CHILDREN'S DRESSES, EVENING DRESSES, PLAYSUITS, OUTERSKIRTS, UNDERSKIRTS, BLOUSES, HATS, AND SHOES, THE LATTER BEING MADE OF LEATHER, FABRIC, OR RUBBER, OR OF COMBINATIONS OF SAID MATERIALS. BEST & CO. INC., New York, N. Y.
Filed April 23, 1941. Serial No. 442,859. PUBLISHED JULY 8, 1941. Class 39.

390,461. WOMEN'S SHOES MADE OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF. MILIUS SHOE COMPANY, St. Louis, Mo.
Filed April 24, 1941. Serial No. 442,911. PUBLISHED JULY 1, 1941. Class 39.

390,462. PRINTING INKS, LITHOGRAPHIC INKS, WATER COLOR INKS, AND SILK SCREEN INKS. MOSLER AND BRANDMARK PRINTING INK CORPORATION, New York, N. Y.
Filed April 24, 1941. Serial No, 442,912. PUBLISHED JULY 15, 1941. Class 11.

390,463. PAINTS (DRY PASTE AND READY MIXED). THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio.
Filed April 25, 1941. Serial No. 442,981. PUBLISHED JULY 15, 1941. Class 16.

390,464. LAMINATED SAFETY GLASS. PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa.
Filed April 26, 1941. Serial No. 443,015. PUBLISHED JULY 8, 1941. Class 33.

390,465. COFFEE. S AND W FINE FOODS, INC., San Francisco, Calif.
Filed April 26, 1941. Serial No. 443,017. PUBLISHED JULY 15, 1941. Class 46.

390,466. GLASS BOTTLES. BROCKWAY GLASS COMPANY, INC., Brockway, Pa.
Filed April 28, 1941. Serial No. 443,038. PUBLISHED JULY 8, 1941. Class 33.

390,467. BOTTLES, JARS AND JUGS, ALL MADE OF GLASS. OWENS-ILLINOIS GLASS COMPANY, Toledo, Ohio.
Filed April 28, 1941. Serial No. 443,051. PUBLISHED JULY 8, 1941. Class 33.

390,468. MEN'S AND BOYS' HATS AND CAPS. IVAN ALPORT, New York, N. Y.
Filed April 29, 1941. Serial No. 443,065. PUBLISHED JULY 8, 1941. Class 39.

390,469. SOAP—NAMELY, GERMICIDAL SOAP. THE HEWITT SOAP COMPANY, INC., Dayton, Ohio.
Filed April 29, 1941. Serial No. 443,083. PUBLISHED JULY 15, 1941. Class 4.

390,470. OINTMENT FOR EXTERNAL USE FOR THE TREATMENT OF INFLAMMATORY SKIN DISEASES, SUCH AS BURNS, ERYSIPELAS, ECZEMA, DERMATITIS, SCABIES, ULCERS, PSORIASIS, ETC. NOA WACHSMANN, Flushing, N. Y.
Filed April 30, 1941. Serial No. 443,147. PUBLISHED JULY 15, 1941. Class 6.

390,471. RICE. COMET RICE MILLS, INC., Beaumont, Tex.
Filed May 2, 1941. Serial No. 443,185. PUBLISHED JULY 15, 1941. Class 46.

390,472. INSULATED SIDING. GLOBE ROOFING PRODUCTS CO., INC., Chicago, Ill.
Filed May 2, 1941. Serial No. 443,190. PUBLISHED JULY 8, 1941. Class 12.

390,473. POWDERS FOR HOLDING FALSE TEETH IN PLACE. HUDSON PRODUCTS, INC., Jersey City, N. J.
Filed May 2, 1941. Serial No. 443,194. PUBLISHED JULY 8, 1941. Class 6.

390,474. LIQUID MEDICINE FOR MALARIA FEVER (ALSO IN TABLET FORM), HEADACHE TABLETS, AND TABLETS FOR THE RELIEF OF FEVERS AND COLDS. SANTIAGO DEVELOPMENT CORPORATION, Long Island City, N. Y.
Filed May 2, 1941. Serial No. 443,208. PUBLISHED JULY 8, 1941. Class 6.

390,475. ALLOY STEEL—NAMELY, PLATES, SHEETS, BARS, RODS, AND FORGINGS. LANCASTER STEEL CO., INC., New York, N. Y.
Filed May 3, 1941. Serial No. 443,233. PUBLISHED JULY 15, 1941. Class 14.

390,476. SHOES MADE OF LEATHER. THE UNITED STATES SHOE CORPORATION, Cincinnati, Ohio.
Filed May 3, 1941. Serial No. 443,240. PUBLISHED JULY 8, 1941. Class 39.

390,477. CHEMICAL COMPOUND FOR CONDITIONING OIL WELL DRILLING MUDS. GENERAL CHEMICAL COMPANY, New York, N. Y.
Filed May 5, 1941. Serial No. 443,250. PUBLISHED JULY 8, 1941. Class 6.

390,478. LIQUID PRODUCT WHICH IS USED BY ATHLETES ON THEIR HANDS TO ENABLE THEM TO GET A BETTER GRIP ON GOLF CLUBS, BOWLING BALLS, ETC. GUY KING, Chattanooga, Tenn.
Filed May 6, 1941. Serial No. 443,294. PUBLISHED JULY 15, 1941. Class 4.

390,479. PERFUMES, BRILLIANTINES, HAIR LOTION, HAIR DRESSING, PRESSING OIL, TEMPLE OIL, COCOANUT OIL SHAMPOO, ETC. KIRBY'S PRODUCTS, Union, S. C.
Filed May 6, 1941. Serial No. 443,295. PUBLISHED JULY 8, 1941. Class 6.

390,480. SNAP ACTING SWITCHES. ACRO ELECTRIC COMPANY, Cleveland, Ohio.
Filed May 7, 1941. Serial No. 443,317. PUBLISHED JULY 15, 1941. Class 21.

390,481. DOG SHAMPOO. MAGITEX COMPANY, INC., Saco, Maine.
Filed May 8, 1941. Serial No. 443,368. PUBLISHED JULY 8, 1941. Class 6.

390,482. LAXATIVE. TEMPLETONS INCORPORATED, Buffalo, N. Y.
Filed May 8, 1941. Serial No. 443,377. PUBLISHED JULY 8, 1941. Class 6.

390,483. EXTERNAL APPLICATION EFFECTIVE IN THE RELIEF OF SUPERFICIAL MUSCULAR ACHES AND PAINS. WILLIAM GRAHAM THOMAS, Varina, N. C.
Filed May 8, 1941. Serial No. 443,378. PUBLISHED JULY 8, 1941. Class 6.

390,484. CHILDREN'S SLEEPING GARMENTS, GOWNS, SLIPS, BIBS, BLOOMERS, SHIRTS; BABY SHOES MADE OF LEATHER, RUBBER, FABRIC, AND/OR COMBINATIONS THEREOF; DIAPERS, RUBBER PANTS, HOSIERY, GARTERS, AND SUSPENDERS, PAJAMAS, BATHROBES, AND UNDERWEAR. BENJAMIN BILLOW, New York, N. Y.
Filed May 9, 1941. Serial No. 443,390. PUBLISHED JULY 15, 1941. Class 39.

390,485. COSMETICS AND BEAUTY PREPARATIONS—NAMELY, CLEANSING CREAM, NIGHT CREAM, FACE POWDER, CREAM ROUGE, LIPSTICK, AND SKIN LOTION. JACQUELINE COCHRAN, Roselle, N. J.
Filed May 9, 1941. Serial No. 443,400. PUBLISHED JULY 8, 1941. Class 6.

390,486. STRINGED MUSICAL INSTRUMENTS—NAMELY, GUITARS, MANDOLINS, BANJOS, STRING BASSES, INCLUDING PARTS THEREOF AND ACCESSORIES THERETO. EPIPHONE, INC., New York, N. Y.
Filed May 9, 1941. Serial No. 443,409. PUBLISHED JULY 15, 1941. Class 36.

390,487. TELESCOPES AND BINOCULARS. INTERNATIONAL INDUSTRIES, INC., Ann Arbor, Mich.
Filed May 9, 1941. Serial No. 443,417. PUBLISHED JULY 15, 1941. Class 26.

390,488. POISON IVY PREPARATION. MARY T. CARLETON, New York, N. Y.
Filed May 10, 1941. Serial No. 443,452. PUBLISHED JULY 8, 1941. Class 6.

390,489. FATTY ACIDS. EMERY INDUSTRIES, INC., Cincinnati, Ohio.
Filed May 12, 1941. Serial No. 443,490. PUBLISHED JULY 8, 1941. Class 6.

390,490. FATTY ACIDS. EMERY INDUSTRIES, INC., Cincinnati, Ohio.
Filed May 12, 1941. Serial No. 443,491. PUBLISHED JULY 8, 1941. Class 6.

390,491. FILTER POWDER USED IN DRY CLEANING. EMERY INDUSTRIES, INC., Cincinnati, Ohio.
Filed May 12, 1941. Serial No. 443,493. PUBLISHED JULY 8, 1941. Class 6.

390,492. MATERIAL FOR IMPROVING THE FINISH OF TEXTILE FABRICS IN DRY CLEANING. EMERY INDUSTRIES, INC., Cincinnati, Ohio.
Filed May 12, 1941. Serial No. 443,494. PUBLISHED JULY 8, 1941. Class 6.

390,493. BREAD. WILLIAM FREIHOFER BAKING COMPANY, Philadelphia, Pa.
Filed May 13, 1941. Serial No. 443,535. PUBLISHED JULY 15, 1941. Class 46.

390,494. PRINTING INK. GENERAL PRINTING INK CORPORATION, New York, N. Y.
Filed May 14, 1941. Serial No. 443,563. PUBLISHED JULY 15, 1941. Class 11.

390,495. PRINTING INKS. INTERCHEMICAL CORPORATION, New York, N. Y.
Filed May 14, 1941. Serial No. 443,567. PUBLISHED JULY 15, 1941. Class 11.

390,496. MEN'S, WOMEN'S, AND CHILDREN'S SHOES OF LEATHER, FABRIC, COMPOSITIONS, AND COMBINATIONS THEREOF. BROWN SHOE COMPANY, INC., St. Louis, Mo.
Filed May 16, 1941. Serial No. 443,627. PUBLISHED JULY 15, 1941. Class 39.

390,497. AMUSEMENT GAME COMPRISING A BOARD GAME, PLAYED WITH MOVABLE PIECES AND CARDS. BURR & JOHNSON, Washington, D. C.
Filed May 17, 1941. Serial No. 443,650. PUBLISHED JULY 15, 1941. Class 22.

390,498. ROOT BEER. DRINK-MOR BEVERAGE COMPANY, Wilkes-Barre, Pa.
Filed May 17, 1941. Serial No. 443,654. PUBLISHED JULY 15, 1941. Class 45.

390,499. MOTOR-DRIVEN DEVICE EMPLOYED TO SHAKE RECEPTACLES AND THEIR CONTENTS. FISHER SCIENTIFIC COMPANY, Pittsburgh, Pa.
Filed May 17, 1941. Serial No. 443,657. PUBLISHED JULY 15, 1941. Class 21.

390,500. MOTION PICTURE FILMS, SOUND FILMS, COMBINED SOUND AND MOTION PICTURE FILMS, AND MOTION PICTURE FILMS FOR USE IN CONNECTION WITH SYNCHRONIZING APPARATUS FOR REPRODUCING COORDINATE LIGHT AND SOUND EFFECTS. GEORGE J. PAL, Hollywood, Calif.
Filed May 19, 1941. Serial No. 443,700. PUBLISHED JULY 15, 1941. Class 26.

390,501. CHEMICAL PREPARATION FOR THE TREATMENT OF HAIR. AMANDA HASTAD, New York, N. Y.
Filed May 20, 1941. Serial No. 443,720. PUBLISHED JULY 8, 1941. Class 6.

390,502. VENDING MACHINES. SCHNEBBE FIRE PROTECTION ENGINEERING CORPORATION, New York, N. Y.
Filed May 20, 1941. Serial No. 443,734. PUBLISHED JULY 15, 1941. Class 23.

390,503. TANNING EXTRACT. THE TANNADE COMPANY, Chicago, Ill.
Filed May 20, 1941. Serial No. 443,737. PUBLISHED JULY 15, 1941. Class 6.

390,504. CHEMICAL SOLUTION FOR TREATING LAWN SOIL. DESTRUXOL CORPORATION, LTD., Pasadena, Calif.
Filed May 21, 1941. Serial No. 443,754. PUBLISHED JULY 15, 1941. Class 6.

390,505. GOLF BALLS, GOLF GLOVES, TENNIS RACKETS, BADMINTON RACKETS, SHUTTLECOCKS, VOLLEY BALLS, BASKETBALLS, AND SOCCER BALLS. A. G. SPALDING & BROS. INC., Chicopee, Mass.
Filed May 21, 1941. Serial No. 443,783. PUBLISHED JULY 15, 1941. Class 22.

390,506. EMULSIFYING, WETTING, AND DISPERSING AGENTS. ATLAS POWDER COMPANY, Wilmington, Del.
Filed May 22, 1941. Serial No. 443,800. PUBLISHED JULY 8, 1941. Class 6.

390,507. SKIN OINTMENT FOR EXTERNAL USE. THE ANDROMACHUS CORPORATION, Long Island City, N. Y.
Filed May 23, 1941. Serial No. 443,830. PUBLISHED JULY 8, 1941. Class 6.

390,508. FRESH VEGETABLES AND MELONS. JACK BROS. AND MCBURNEY, INC., Brawley, Calif.
Filed May 23, 1941. Serial No. 443,846. PUBLISHED JULY 15, 1941. Class 46.

390,509. DRILLS, JEANS, SUITINGS, TWILLS, DUCK, ALL OR IN PART OF COTTON, WOOL, RAYON, SILK, SYNTHETIC FIBRES. WELLINGTON SEARS COMPANY, INCORPORATED, New York, N. Y.
Filed May 27, 1941. Serial No. 443,990. PUBLISHED JULY 15, 1941. Class 42.

390,510. TEXTILE DYEING ASSISTANTS. AMERICAN ANILINE PRODUCTS, INC., New York, N. Y.
Filed May 29, 1941. Serial No. 444,032. PUBLISHED JULY 8, 1941. Class 6.

390,511. FACE AND BATH TOWELS. H. W. BAKER LINEN COMPANY, New York, N. Y.
Filed May 29, 1941. Serial No. 444,033. PUBLISHED JULY 15, 1941. Class 42.

390,512. PREPARATION FOR TREATMENT OF ATHLETE'S FOOT AND OTHER SKIN DISEASES. H V LABORATORIES, INC., St. Louis, Mo.
Filed May 31, 1941. Serial No. 444,080. PUBLISHED JULY 15, 1941. Class 6.

390,513. LIQUID PREPARATION COMMONLY KNOWN AS EYE DROPS. CARHOFF COMPANY, Cleveland Heights, Ohio.
Filed June 5, 1941. Serial No. 444,213. PUBLISHED JULY 15, 1941. Class 6.

390,514. TABLES, CHAIRS, DRESSERS, CHESTS, NIGHT TABLES, BEDROOM FURNITURE, AND DESKS. SUPERIOR SLEEPRITE CORPORATION, Chicago, Ill.
Filed June 5, 1941. Serial No. 444,242. PUBLISHED JULY 15, 1941. Class 32.

390,515. PERFUMES AND COSMETIC CREAMS. LENTHERIC, INCORPORATED, New York, N. Y.
Filed June 6, 1941. Serial No. 444,265. PUBLISHED JULY 15, 1941. Class 6.

390,516. PERFUMES AND COSMETIC CREAMS. LENTHERIC, INCORPORATED, New York, N. Y.
Filed June 6, 1941. Serial No. 444,266. PUBLISHED JULY 15, 1941. Class 6.

390,517. PERFUMES AND COSMETIC CREAMS. LENTHERIC, INCORPORATED, New York, N. Y.
Filed June 6, 1941 Serial No. 444,726. PUBLISHED JULY 15, 1941. Class 6.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

390,518. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CALAVO-SUBTROPIC FRUIT CO., Los Angeles, Calif., now by change of name Calavo, Inc., a corporation of California. Filed Apr. 5, 1940. Serial No. 430,383.



FOR FRESH LIMES.
Claims use since July, 1931.

390,519. (CLASS 17. TOBACCO PRODUCTS.) REED TOBACCO COMPANY BRANCH, LARUS & BROTHER COMPANY, INC., Richmond, Va. Filed May 17, 1940. Serial No. 432,050.



FOR CIGARETTES.
Claims use since Apr. 25, 1940.

390,520. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) PROPHYLACTIC PRODUCTS CORPORATION, Boston, Mass. Filed June 5, 1940. Serial No. 432,697.



FOR PROPHYLACTIC RUBBER ARTICLES FOR THE PREVENTION OF CONTAGIOUS DISEASES.
Claims use since May 27, 1940.

390,521. (CLASS 39. CLOTHING.) NATIONAL-NAMPEL, INC., Chicago, Ill. Filed June 19, 1940. Serial No. 433,176.



FOR LADIES' HATS.
Claims use since Jan. 1, 1940.

390,522. (CLASS 39. CLOTHING.) SARNOFF-IRVING, INC., New York, N. Y. Filed July 2, 1940. Serial No. 433,628.



FOR MEN'S AND BOYS' HATS, COATS, SUITS, SLACKS, PAJAMAS, ROBES FOR PERSONAL WEAR, UNDERWEAR, OUTERSHIRTS, UNDERSHIRTS, RAINCOATS, COLLARS, AND NECKTIES.
Claims use since June 12, 1940.

390,523. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) LOUIS SHAPIRO, Chicago, Ill. Filed July 16, 1940. Serial No. 434,035.



FOR CLEANING COMPOUNDS HAVING INCIDENTAL WATER SOFTENING PROPERTIES.
Claims use since Feb. 1, 1923.

390,524. (CLASS 43. THREAD AND YARN.) WOOL NOVELTY CO. INC., New York, N. Y. Filed July 25, 1940. Serial No. 434,352.

WOOLPOINT

FOR TAPESTRY WOOL YARN.
Claims use since July 10, 1940.

390,525. (CLASS 12. CONSTRUCTION MATERIALS.) CRAWFORD DOOR COMPANY, Detroit, Mich. Filed July 29, 1940. Serial No. 434,434.

CRAWFORD

FOR COMPLETE UPWARD ACTING DOOR INSTALLATIONS COMPRISING DOOR AND HARDWARE.
Claims use since June 10, 1940.

390,526. (CLASS 39. CLOTHING.) DAVID BROWN SHOE COMPANY, Baltimore, Md. Filed Aug. 14, 1940. Serial No. 434,964.
The picture is fanciful.



FOR LEATHER SHOES AND SHOES MADE OF A COMBINATION OF LEATHER AND FABRIC.
Claims use since March, 1940.

390,527. (CLASS 39. CLOTHING.) DAVID BROWN SHOE COMPANY, Baltimore, Md. Filed Aug. 14, 1940. Serial No. 434,965.
The picture is fanciful.



FOR LEATHER SHOES AND SHOES MADE OF A COMBINATION OF LEATHER AND FABRIC.
Claims use since May, 1940.

390,528. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UNION FOOD PRODUCTS, INC., Brooklyn, N. Y. Filed Aug. 22, 1940. Serial No. 435,262.

SUSAN BAKER

FOR JELLIES, JAMS, AND MARMALADES.
Claims use since Aug. 6, 1940.

390,529. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio. Filed Aug. 31, 1940. Serial No. 435,582.

Super Mileage

FOR DIE-RUN UNVULCANIZED RUBBER TIRE TREAD REPAIR MATERIAL.
Claims use since July 31, 1940.

390,530. (CLASS 39. CLOTHING.) SOCIETY CLUB HATS CORP., New York, N. Y. Filed Sept. 9, 1940. Serial No. 435,814.

KAY EDGE

FOR MEN'S HATS.
Claims use since June 1, 1940.

390,531. (CLASS 28. JEWELRY AND PRECIOUS METAL WARE.) W. & H. JEWELRY COMPANY, INC., Providence, R. I. Filed Nov. 4, 1940. Serial No. 437,586.

Leading Band

FOR BRACELETS, WATCH BRACELETS, WATCH CHAINS, FINGER RINGS, EARRINGS, BROOCHES, NECKLACES, PENDANTS, LOCKETS, COMPACTS, WRIST WATCH STRAPS, PINS, CIGARETTE CASES, AND HAIR ORNAMENTS, ALL OF THE FOREGOING ARTICLES BEING MADE OF OR PLATED IN WHOLE OR IN PART WITH PRECIOUS METAL.
Claims use since Aug. 1, 1940.

390,532. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE ECLIPSE LAWN MOWER COMPANY, Prophetstown, Ill. Filed Nov. 12, 1940. Serial No. 437,762.

NATURAL GRIP

FOR HANDLES FOR HAND AND POWER MOWERS.
Claims use since July 9, 1940.

390,533. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FINE PRODUCTS CORPORATION, Augusta, Ga. Filed Nov. 22, 1940. Serial No. 438,125.

Hollingsworth's UNUSUAL CANDIES

FOR CANDY.
Claims use since November, 1919.

390,534. (CLASS 39. CLOTHING.) ELGIN KNIT SPORTSWEAR, INC., New York, N. Y. Filed Nov. 23, 1940. Serial No. 438,174.

ek Peggy Parker

FOR SWEATERS, SCARFS, ENSEMBLES CONSISTING OF JACKETS, BLOUSES, AND SHIRTS; AND WOMEN'S SLACK SUITS, SLACKS, BEACH JACKETS, PLAYSUITS, KNITTED DRESSES, AND CAPS.
Claims use since July 1, 1939.

390,535. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) RAINBOW RUBBER COMPANY, Butler, Pa. Filed Dec. 10, 1940. Serial No. 438,702.

SEALTITE

FOR BATH STOPPERS AND SINK STOPPERS.
Claims use since 1933.

390,536. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WELLINGTON SEARS COMPANY, INCORPORATED, New York, N. Y. Filed Jan. 2, 1941. Serial No. 439,375.

DriRil

FOR CORDUROY IN THE PIECE AND TREATED TO BE MADE WATER REPELLANT.
Claims use since July 1, 1940.

390,537. (CLASS 39. CLOTHING.) PHILIP KRONFELD, INC., New York, N. Y. Filed Jan. 13, 1941. Serial No. 439,620.

Phil Kronfeld

FOR OVERCOATS, SPORT COATS, SUITS, DRESS SUITS, PANTS, VESTS, HATS, OUTER SHIRTS, POLO SHIRTS, BATH ROBES, DRESSING GOWNS, NECKTIES, AND UNDERWEAR, ALL FOR MEN AND YOUNG MEN.
Claims use since November, 1938.

390,538. (CLASS 33. GLASSWARE.) CRYSTALITE PRODUCTS COMPANY, Glendale, Calif. Filed Feb. 21, 1941. Serial No. 440,854.

California CRYSTAL

FOR TABLE GLASSWARE.
Claims use since July 22, 1940.

390,539. (CLASS 39. CLOTHING.) THE MAY DEPARTMENT STORES COMPANY, New York, N. Y., Baltimore, Md., Cleveland, Ohio, Los Angeles, Calif., and Denver, Colo., also doing business as Famous-Barr Company, St. Louis, Mo., and also as The M. O'Neil Co., Akron, Ohio. Filed Mar. 18, 1941. Serial No. 441,677.

Dorand

FOR MEN'S HATS.
Claims use since Oct. 1, 1939.

390,540. (CLASS 39. CLOTHING.) DESIRABLE COATS, New York, N. Y. Filed Mar. 19, 1941. Serial No. 441,698.



FOR MEN'S, WOMEN'S, MISSES', AND JUNIOR MISSES' COATS, SUITS, HATS, SPORT SHIRTS, SPORT SLACKS, SPORT SHORTS, AND SPORT JACKETS, SPORT SKIRTS, AND SPORT COATS, AND COMBINATIONS THEREOF.
Claims use since July 1, 1935.

390,541. (CLASS 39. CLOTHING.) FITTS COTTON GOODS CO., Atlanta, Ga. Filed Apr. 18, 1941. Serial No. 442,695.



FOR TEXTILE DIAPERS.
Claims use since May 10, 1938.

390,542. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) ROBERT E. TAFEL, doing business as Tafel Engineering Co., Long Beach, Calif. Filed May 1, 1941. Serial No. 443,174.



FOR MOTOR TRICYCLES.
Claims use since Aug. 30, 1938.

390,543. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ASSOCIATED DISTRIBUTORS, INC., Chicago, Ill., assignor to James L. Younghusband, Chicago, Ill. Filed May 2, 1941. Serial No. 443,180.

MELTPROOF

FOR LIPSTICK, ROUGE, FACE POWDER, EYELASH AND EYEBROW MASCARA, PADS IMPREGNATED WITH DEODORANT AND ANTIPERSPIRANT LOTION, CREAMS FOR THE HANDS AND FACE, CLEANSING PADS IMPREGNATED WITH LOTION, PREPARATIONS FOR SKIN, HAIR, AND FINGER NAILS, AND PERFUMES.
Claims use since Mar. 18, 1938.

390,544. (CLASS 39. CLOTHING.) THE SUPERB GLOVE CO., Johnstown and New York, N. Y. Filed May 17, 1941. Serial No. 443,670.

CRUSH FLARE

FOR MEN'S, WOMEN'S, AND CHILDREN'S GLOVES OF LEATHER, FABRIC, AND COMBINATIONS THEREOF.
Claims use since Dec. 21, 1939.

390,545. (CLASS 39. CLOTHING.) STERN, MERRITT CO. INC., New York, N. Y. Filed June 12, 1941. Serial No. 444,470.

SPITALSFIELDS

FOR NECKTIES.
Claims use since Sept. 1, 1938.

390,546. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROACH-INDIANA CORPORATION, Gwynneville, Ind. Filed June 20, 1941. Serial No. 444,716.

GOOD·N·FULL

FOR CANNED VEGETABLES, TOMATO JUICE, AND TOMATO PULP OR PUREE.
Claims use since September, 1933.

390,547. (CLASS 39. CLOTHING.) STERN, MERRITT CO. INC., New York, N. Y. Filed June 20, 1941. Serial No. 444,718.

AMERICAN SPITALSFIELDS

FOR NECKTIES.
Claims use since Sept. 1, 1939.

390,548. (CLASS 39. CLOTHING.) BARBOUR WELTING COMPANY, Brockton, Mass. Filed June 25, 1941. Serial No. 444,818.

SEAMTITE

FOR SHOE WELTING.
Claims use since August, 1936.

390,549. (CLASS 2. RECEPTACLES.) THE DIAMOND MATCH COMPANY, New York, N. Y. Filed July 10, 1941. Serial No. 445,230.

PEERLESS

FOR FOOD DISHES OF PAPER OR FIBROUS PULP MATERIAL.
Claims use since 1933.

390,550. (CLASS 2. RECEPTACLES.) CONTAINER CORPORATION OF AMERICA, Chicago, Ill. Filed Aug. 2, 1941. Serial No. 445,883.

LINERLESS

FOR FOLDING CARTONS.
Claims use since May 25, 1938.

390,551. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) KLEISTONE RUBBER CO., INC., Warren, R. I. Filed Aug. 9, 1941. Serial No. 446,112.

POSTURE Ashley PLATES

FOR ARCH SUPPORTS.
Claims use since July 13, 1932.

TRADE-MARK REGISTRATIONS RENEWED

20,552. **SOZODONT.** A DENTIFRICE. Registered January 5, 1892. WILLIAM HENRY HALL. Re-renewed January 5, 1942, to Hall & Ruckel, New York, N. Y., a corporation of New York, assignee.

141,871. **UTILOSTAT.** THERMOSTATS. Registered May 3, 1921. THE BISHOP & BABCOCK COMPANY. Renewed May 3, 1941, to The Bishop & Babcock Manufacturing Company, Cleveland, Ohio, a corporation of Ohio, assignee.

144,398. **JUNGHANS I.** LUMINOUS PAINTS CONTAINING RADIOACTIVE SUBSTANCES. Registered July 5, 1921. GEBRÜDER JUNGHANS AKTIENGESELLSCHAFT, Schramberg, Germany, a corporation of German Empire. Renewed July 5, 1941.

145,381. **I-C.** ELECTRICAL-MOTOR STARTERS AND CONTROLLERS. Registered August 2, 1921. INDUSTRIAL CONTROLLER COMPANY, Milwaukee, Wis. Renewed August 2, 1941, to Square D Company, Detroit, Mich., a corporation of Michigan, assignee.

145,534. **THE SOCIAL HYGIENE PRESS.** PRINTED BOOKLETS AND PAMPHLETS. Registered August 9, 1921. AMERICAN SOCIAL HYGIENE ASSOCIATION, INC., New York, N. Y., a corporation of New York. Renewed August 9, 1941.

145,570. **O.P.T.CO., INC.** POWDERED EGG-ALBUMEN AND POWDERED EGG-YOLK ALONE AND IN COMBINATION WITH EACH OTHER. Registered August 9, 1921. ORBIS PRODUCTS TRADING CO., INC. Renewed August 9, 1941, to Orbis Products Corporation, New York, N. Y., a corporation of New York, by change of name.

145,609. **BLACK CAT.** KNIT HOSIERY. Registered August 16, 1921. BLACK CAT TEXTILES COMPANY, now by change of name The Allen A. Company, Kenosha, Wis. Renewed August 16, 1941, to The Allen A Company, Bennington, Vt., a corporation of Delaware, by change of name.

145,646. **CURDOLAC.** DIABETIC FLOUR. Registered August 16, 1921. CURDOLAC FOOD CO. Renewed August 16, 1941, to Curdolac Food Co., Waukesha, Wis., a corporation of Wisconsin, successor.

145,656. **VICTORY.** MOTORCYCLES AND BICYCLES. Registered August 16, 1921. EDWARDS & CRIST COMPANY, Chicago, Ill. Renewed August 16, 1941, to Amelia Beatrice Tassencourt, Philadelphia, Pa., successor.

145,852. **DOUBLETITE.** SHINGLES, ROOFING-TILE, ROOFING-SLABS, COMPOSITION ROOFING, AND ROOFING-CEMENT. Registered August 16, 1921. THE VULCANITE ROOFING COMPANY, Wilmington, Del., and Buffalo, N. Y. Renewed August 16, 1941, to Certain-Teed Products Corporation, New York, N. Y., a corporation of Maryland, assignee.

145,938. **REPRESENTATION OF A CANDY JAR.** CANDY. Registered August 23, 1921. THE CURTISS CANDY COMPANY, Chicago, Ill., a corporation of Illinois. Renewed August 23, 1941.

145,986. **SLIKUM.** HAIR-DRESSING PREPARATIONS. Registered August 23, 1921. T. NOONAN & SONS COMPANY, Boston, Mass., a corporation of Massachusetts. Renewed August 23, 1941.

145,996. **MIST OF DAWN.** BEAUTY-CREAM. Registered August 23, 1921. KATHLEEN MARY QUINLAN. Renewed August 23, 1941, to Kathleen Mary Quinlan, Inc., New York, N. Y., a corporation of Delaware, assignee.

146,112. **GLORIANA.** CERTAIN NAMED TOILET PREPARATIONS AND THE LIKE. Registered August 30, 1921. A. E. KIESLING, Houston, Tex. Renewed August 30, 1941.

146,160. **AMERICAN GARDENER.** HAND-CULTIVATORS. Registered September 6, 1921. THE AMERICAN FORK & HOE COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed September 6, 1941.

146,205. **RAINBOW.** CHEWING-GUM. Registered September 6, 1921. MERRELL S. COPELAND, Oelwein, Iowa. Renewed September 6, 1941, to Rainbow Gum Company, Boston, Mass., a corporation of Massachusetts, assignee by mesne assignments.

146,564. **JOLLY JACKS.** CANDY. Registered September 13, 1921. THE CURTISS CANDY COMPANY, Chicago, Ill., a corporation of Illinois. Renewed September 13, 1941.

146,672. **PARROTT.** CERTAIN FARM, GARDEN, AND OTHER HAND-TOOLS. Registered September 20, 1921. THE AMERICAN FORK & HOE COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed September 20, 1941.

146,723. **DEFLECTO.** VENTILATORS AND CHIMNEY-CAPS. Registered September 20, 1921. THE DAY COMPANY, Minneapolis, Minn., a corporation of Minnesota. Renewed September 20, 1941.

146,810. **MARMITE.** A CONCENTRATED CULINARY PREPARATION, BEING A VEGETABLE EXTRACT PREPARED FROM THE YEAST-CELL. Registered September 20, 1921. THE MARMITE FOOD EXTRACT CO., LIMITED, London, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Renewed September 20, 1941.

146,987. **CARDOL.** DECHLORINATED OILS, WITH OR WITHOUT RESIN ADDITIONS. Registered September 27, 1921. HENRY A. GARDNER, Washington, D. C. Renewed September 27, 1941.

147,034. **BLODAL.** MEDICINE FOR THE BLOOD. Registered September 27, 1921. W. F. SEVERA Co., Cedar Rapids, Iowa, a corporation of Iowa. Renewed September 27, 1941.

147,162. **BALZOL.** MEDICINE FOR INDIGESTION AND SIMILAR COMPLAINTS. Registered October 4, 1921. W. F. SEVERA Co., Cedar Rapids, Iowa, a corporation of Iowa. Renewed October 4, 1941.

147,163. **LEDSYL.** MEDICINE FOR KIDNEYS AND BLADDER. Registered October 4, 1921. W. F. SEVERA Co., Cedar Rapids, Iowa, a corporation of Iowa. Renewed October 4, 1941.

147,164. **ESKO.** ANTISEPTIC OINTMENT. Registered October 4, 1921. W. F. SEVERA Co., Cedar Rapids, Iowa, a corporation of Iowa. Renewed October 4, 1941.

147,165. **GOTHARDOL.** A LINIMENT FOR EXTERNAL APPLICATION. Registered October 4, 1921. W. F. SEVERA Co., Cedar Rapids, Iowa, a corporation of Iowa. Renewed October 4, 1941.

147,257. **KARDEX.** CARD-INDEX, RECORD, AND FILING SYSTEMS AND PARTS THEREOF. Registered October 11, 1921. AMERICAN KARDEX COMPANY, Tonawanda, N. Y. Renewed October 11, 1941, to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware, assignee by mesne assignments.

147,258. **KARDEX.** CARD-INDEX, RECORD, AND FILING SYSTEMS AND PARTS THEREOF. Registered October 11, 1921. AMERICAN KARDEX COMPANY, Tonawanda, N. Y. Renewed October 11, 1941, to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware, assignee by mesne assignments.

147,259. **CARDEX.** CARD-INDEX, RECORD, AND FILING SYSTEMS AND PARTS THEREOF. Registered October 11, 1921. AMERICAN KARDEX COMPANY, Tonawanda, N. Y. Renewed October 11, 1941, to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware, assignee by mesne assignments.

147,260. **CONTROLLER.** CARD-INDEX, RECORD, AND FILING SYSTEMS AND PARTS THEREOF. Registered October 11, 1921. AMERICAN KARDEX COMPANY, Tonawanda, N. Y. Renewed October 11, 1941, to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware, assignee by mesne assignments.

147,300. **DAFFODIL.** SILKS AND SILK FABRICS IN THE PIECE. Registered October 11, 1921. DENVILLE SILK CO. INC. Renewed October 11, 1941, to Denville Silk Company, New York, N. Y., a copartnership, assignee.

147,579. **CURTISS.** CANDY. Registered October 25, 1921. THE CURTISS CANDY COMPANY, Chicago, Ill., a corporation of Illinois. Renewed October 25, 1941.

147,746. **AMLITE.** WIRE CLOTH AND NETTING. Registered November 1, 1921. THE AMERICAN CELLULOSE & CHEMICAL MANUFACTURING COMPANY, LIMITED. Renewed November 1, 1941, to Celanese Corporation of America, New York, N. Y., a corporation of Delaware, by change of name.

147,901. **AMCELITE.** WIRE CLOTH AND NETTING. Registered November 8, 1921. THE AMERICAN CELLULOSE & CHEMICAL MANUFACTURING COMPANY, LIMITED. Renewed November 8, 1941, to Celanese Corporation of America, New York, N. Y., a corporation of Delaware, by change of name.

148,082. **HUBBUCK.** CERTAIN NAMED CLEANING-POWDERS AND SOAP. Registered November 8, 1921. THOS. HUBBUCK & SON LIMITED, London, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Renewed November 8, 1941.

148,228. **E. REED BURNS.** POLISHING COMPOSITIONS—NAMELY, BUFFS, POLISHING-WHEELS, AND METAL-POLISH. Registered November 8, 1921. E. REED BURNS SUPPLY COMPANY. Renewed November 8, 1941, to E. Reed Burns Mfg. Corporation, Brooklyn, N. Y., a corporation of New York, by change of name.

148,347. **REPRESENTATION OF AN OCTAGON.** CERTAIN NAMED METAL-PIPE FITTINGS. Registered November 15, 1921. AMERICAN STEEL FOUNDRIES, Chicago, Ill., a corporation of New Jersey. Renewed November 15, 1941.

148,353. **BECLAWAT.** CHANNEL-SHAPED METAL RODS MADE IN LENGTHS AND ADAPTED TO BE CUT TO SIZE. Registered November 15, 1921. BECKETT, LAYCOCK & WATKINSON LIMITED, London, England, an incorporated company of Great Britain. Renewed November 15, 1941.

148,442. **HUBBUCK.** FULLER'S EARTH, FOSSIL EARTH, AND CRUDE TAR. Registered November 15, 1921. THOS. HUBBUCK & SON LTD., London, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Renewed November 15, 1941.

148,633. **BACKBONE.** PIECE GOODS MANUFACTURED FROM OR CONSISTING OF LINEN, COTTONS, HEMPS, SILKS, OR WOOL. Registered November 22, 1921. LESEM BACH. Renewed November 22, 1941, to Lesem Bach & Co. Inc., New York, N. Y., a corporation of New York, assignee.

148,636. **CAFIASPIRINA.** ANTIRHEUMATIC, ANALGESIC, AND ANTIPYRETIC. Registered November 22, 1921. THE BAYER COMPANY, INC., New York, N. Y., a corporation of New York. Renewed November 22, 1941.

148,674. **JAC-LIN.** PERFUME. Registered November 22, 1921. THE ANDREW JERGENS COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed November 22, 1941.

148,676. **CASTOLAY.** TOILET POWDER. Registered November 22, 1921. THE ANDREW JERGENS COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed November 22, 1941.

148,716. **FRESCODOR.** TALCUM POWDER. Registered November 22, 1921. THE SYDNEY ROSS COMPANY, INC., Newark, N. J., and New York, N. Y. Renewed November 22, 1941, to The Sydney Ross Company, Inc., Newark, N. J., a corporation of New Jersey.

148,740. **DJER-KISS.** CERTAIN NAMED TOILET PREPARATIONS. Registered November 22, 1921. ALFRED H. SMITH COMPANY, New York, N. Y. Renewed November 22, 1941, to Kerkoff, Inc., Long Island City, N. Y., a corporation of New Jersey, assignee by mesne assignments.

148,817. **OROZENE.** AROMATIC ALKALINE POWDER FOR MOUTH AND TOOTH WASHES. Registered November 29, 1921. LEO DREYFUS, doing business as Orozene Laboratories, New York, N. Y. Renewed November 29, 1941.

148,982. **REPRESENTATION OF AN OCTAGON.** ANCHORS AND CERTAIN CASTINGS. Registered December 6, 1921. AMERICAN STEEL FOUNDRIES, Chicago, Ill., a corporation of New Jersey. Renewed December 6, 1941.

148,992. **BLUE BIRD.** WHEAT-FLOUR, AND PARTICULARLY SELF-RISING FLOUR. Registered December 6, 1921. BALLARD & BALLARD COMPANY, Louisville, Ky., a corporation of Kentucky. Renewed December 6, 1941.

149,128. **PANAMA.** OVER-ALLS, COVER-ALLS, AND TROUSERS. Registered December 6, 1921. KAHN MANUFACTURING COMPANY, Mobile, Ala., a firm. Renewed December 6, 1941.

149,716. **PREMEX.** MALT SYRUP USED FOR FOOD PURPOSES. Registered December 20, 1921. PREMIER MALT PRODUCTS CO. OF OHIO, INC., Steubenville, Ohio. Renewed December 20, 1941, to Pabst Brewing Company, Peoria Heights, Ill., a corporation of Delaware, assignee.

149,865. **SUN-GLO.** CANNED PEARS, CANNED TOMATOES, CERTAIN NAMED FRESH VEGETABLES, AND FRESH FRUITS AND ORANGES. Registered December 27, 1921. CALIFORNIA VEGETABLE UNION, Los Angeles, Calif. Renewed December 27, 1941, to David L. Moss & Co., Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

149,870. **CARTIER.** PURSES AND POCKETBOOKS. Registered December 27, 1921. CARTIER, INC., New York, N. Y., a corporation of New York. Renewed December 27, 1941.

149,967. **SUPER-DOWN.** UPHOLSTERED DAVENPORTS, SOFAS, SETTEES, ARM-CHAIRS, ROCKERS, AND SIDE CHAIRS. Registered December 27, 1921. S. KARPEN & BROS., Chicago, Ill., a corporation of Illinois. Renewed December 27, 1941.

149,997. **REPRESENTATION OF A STAR.** SEASONINGS FOR IMPROVING SOUPS, SAUCES, AND GRAVIES; SOUPS, CONSOMMÉ, BOUILLON, SAUCES, AND GRAVIES. Registered December 27, 1921. THE MAGGI CO., Kempttal, Switzerland. Renewed December 27, 1941, to Maggi Co., Inc., New York, N. Y., a corporation of New York, assignee.

149,998. **CROSS-STAR.** SEASONINGS FOR IMPROVING SOUPS, SAUCES, AND GRAVIES; SOUPS, CONSOMMÉ, BOUILLON, SAUCES, AND GRAVIES. Registered December 27, 1921. The MAGGI Co., Kempttal, Switzerland. Renewed December 27, 1941, to Maggi Co., Inc., New York, N. Y., a corporation of New York, assignee.

150,015. **YE OLDEN TIME—A ROYAL KITCHEN.** WARMING-CLOSETS, STEAM-TABLES, COFFEE-URNS, VEGETABLE STEAMERS; AND CERTAIN KETTLES AND BROILERS. Registered December 27, 1921. MORANDI-PROCTOR COMPANY, INC., Boston, Mass., a corporation of Massachusetts. Renewed December 27, 1941.

150,182. **W C CO INC.** PREPARATIONS FOR CERTAIN NAMED DISEASES. Registered December 27, 1921. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y., a corporation of New York. Renewed December 27, 1941.

150,509. **RUB-COHOL.** MEDICATED OR DENATURED ALCOHOL. Registered January 3, 1922. THE OWL DRUG COMPANY. Renewed January 3, 1942, to The Owl Drug Co., San Francisco, Calif., a corporation of Nevada, assignee.

150,573. **SLOAN'S LINIMENT.** LINIMENT. Registered January 3, 1922. DR. EARL S. SLOAN INCORPORATED, Wilmington, Del.; New York, N. Y.; and St. Louis, Mo. Renewed January 3, 1942, to Dr. Earl S. Sloan Incorporated, New York, N. Y., a corporation of Delaware.

150,639. **JEWEL.** CERTAIN NAMED PAINTS, VARNISHES, ENAMELS, ETC. Registered January 3, 1922. WADSWORTH-HOWLAND COMPANY. Renewed January 3, 1942, to Jewel Paint and Varnish Co., Chicago, Ill., a corporation of Illinois, assignee.

150,653. **EUROPHEN.** AN ANTISEPTIC MEDICAL SUBSTANCE IN POWDERED FORM. Registered January 3, 1922. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y., a corporation of New York. Renewed January 3, 1942.

150,727. **THE NEGLECTED INCH.** CASTERS. Registered January 10, 1922. THE BASSICK COMPANY, Bridgeport, Conn., a corporation of Connecticut. Renewed January 10, 1942.

150,778. **CONDAX.** CIGARETTES. Registered January 10, 1922. E. A. CONDAX & COMPANY, INC. Renewed January 10, 1942, to Liggett & Myers Tobacco Company, New York, N. Y., a corporation of New Jersey, successor.

150,955. **R & A.** BOTTLE, CAN, AND OTHER CERTAIN NAMED WASHERS AND MILK-BOTTLE FILLERS, CAPPERS, AND PASTEURIZERS. Registered January 10, 1922. RICE & ADAMS CORPORATION, Buffalo, N. Y., a corporation of New York. Renewed January 10, 1942.

150,958. **R.** IRON AND STEEL CASTINGS AND FORGINGS. Registered January 10, 1922. ROCKFORD MALLEABLE IRON WORKS, Rockford, Ill. Renewed January 10, 1942, to Gunite Foundries Corporation, Rockford, Ill., a corporation of Illinois, by change of name.

150,962. **ENAMELITE.** STEEL PLATES, STRIPS, AND SHEETS. Registered January 10, 1922. SHARON STEEL HOOP COMPANY. Renewed January 10, 1942, to Sharon Steel Corporation, Sharon, Pa., a corporation of Pennsylvania, by change of name.

151,121. **DUNLAP.** CERTAIN ARTICLES OF CLOTHING. Registered January 24, 1922. DUNLAP & Co., New York, N. Y. Renewed January 24, 1942, to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware, assignee by mesne assignments.

151,132. **FULLER.** CERTAIN NAMED BRUSHES, DUSTERS AND DAUBERS. Registered January 24, 1922. THE FULLER BRUSH COMPANY, Hartford, Conn., a corporation of Connecticut. Renewed January 24, 1942.

151,203. **PENNZITE.** MINERAL GREASES USED FOR LUBRICATING BEARINGS AND TRANSMISSIONS. Registered January 24, 1922. PANAMA LUBRICANTS COMPANY. Renewed January 24, 1942, to The Penn-zoil Company, Los Angeles, Calif., a corporation of California, by change of name.

151,229. **MOHAWK MILLS.** MEN'S, WOMEN'S, CHILDREN'S AND INFANTS' HOSIERY. Registered January 24, 1922. J. H. SEMEL & Co. Renewed January 24, 1942, to J. H. Semel & Co. Inc., New York, N. Y., a corporation of New York, successor.

151,254. **GLENDORA.** COAL. Registered January 24, 1922. TEMPLETON COAL COMPANY, Sullivan and Glendora Mine, Ind. Renewed January 24, 1942, to Templeton Coal Company, Sullivan and Terre Haute, Ind., a corporation of Indiana.

151,267. **UNION.** TOOL CHESTS. Registered January 24, 1922. UNION TOOL CHEST COMPANY, Rochester, N. Y. Renewed January 24, 1942, to Union Steel Chest Corporation, Le Roy, N. Y., a corporation of New York, assignee.

151,320. **IMPERI.** COTTON, HEMP, FLAX AND JUTE ROPES AND CORD, AND TWINE. Registered January 31, 1922. CALIFORNIA COTTON MILLS COMPANY, Oakland, Calif., a corporation of California. Renewed January 31, 1942.

151,419. **AMES IPECAC.** TOOTH WASH. Registered February 7, 1922. FREDERICK W. AMES, New Orleans, La. Renewed February 7, 1942.

151,473. **FEDERAL.** ELECTRIC WELDERS AND PARTS THEREOF. Registered February 7, 1922. THE FEDERAL MACHINE & WELDER CO., Warren, Ohio, a corporation of Ohio. Renewed February 7, 1942.

151,533. **PIONEER.** PORTABLE ELECTRICALLY-DRIVEN TOOLS, ELECTRIC MOTORS, ELECTRIC GENERATORS, AND ELECTRICALLY-DRIVEN ICE-CREAM FREEZERS. Registered February 7, 1922. Louisville Electric Manufacturing Company, Louisville, Ky., a corporation of Kentucky. Renewed February 7, 1942.

151,538. **EMERALITE.** CERTAIN NAMED PORTABLE ELECTRIC-LIGHTING FIXTURES. Registered February 7, 1922. H. G. MCFADDIN & Co. Renewed February 7, 1942, to Emeralite Company, Inc., New York, N. Y., a corporation of New Jersey, assignee.

151,754. **FOR AND REPRESENTATION OF A DUCK.** LIVE AND DRESSED DUCKS. Registered February 14, 1922. FARMERS' COMMISSION HOUSE, INC., New York, N. Y., a corporation of New York, Renewed February 14, 1942.

151,768. **FRANCES FOX.** SOAP FOR HAIR AND SKIN. Registered February 14, 1922. FRANCES FOX LABORATORIES, INCORPORATED, New York, N. Y., Renewed February 14, 1942, to Frances Fox Laboratories, Incorporated, a corporation of Delaware, Ridgewood, N. J.

151,805. **UNIVERSAL.** FEATHER PILLOWS. Registered February 14, 1922. THE R. C. HELLER COMPANY, Baltimore, Md., a corporation of Maryland. Renewed February 14, 1942.

151,937. **SCHAEFFER.** BRAIDS, SHOE LACES, AND CORSET LACES. Registered February 14, 1922. CHAS. P. SCHAEFFER, doing business as Schaeffer & Company, Reading, Pa. Renewed February 14, 1942.

151,968. **EL CAMPESINO.** SAUSAGE. Registered February 14, 1922. SWIFT AND COMPANY, Chicago, Ill., a corporation of Illinois. Renewed February 14, 1942.

REISSUES

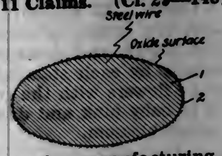
SEPTEMBER 23, 1941

21,903
STRAPPING MATERIAL FOR BINDING OR SECURING BOXES, BALES, PARCELS, AND OTHER PACKAGES AND PROCESS FOR MANUFACTURING THE SAME

Hermann Breancieen, Paris, France

Original No. 2,122,856, dated July 5, 1938, Serial No. 112,708, November 25, 1936. Application for reissue December 30, 1939, Serial No. 311,926. In Belgium December 4, 1935

11 Claims. (Cl. 29—148)



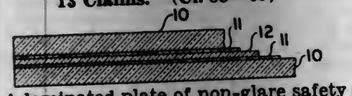
6. A process for manufacturing metal strapping for strapping boxes, parcels, bales, packages and containers of any kind, which consists in cold-rolling hard drawn round steel wire into wire of oblong cross section, heating the non-round wire to a temperature above 220 degrees C., but below the critical point of the metal, and subjecting the surface of said wire while hot to the action of a medium adapted to form with said metal a stable adhering coat of increased friction coefficient.

21,904
LAMINATED LIGHT POLARIZER

Edwin H. Land, Boston, Mass., assignor, by mesne assignments, to Polaroid Corporation, Dover, Del., a corporation of Delaware

Original No. 2,168,220, dated August 1, 1939, Serial No. 96,196, August 15, 1936. Application for reissue July 17, 1940, Serial No. 346,066

13 Claims. (Cl. 88—65)



11. A laminated plate of non-glare safety glass comprising a pair of glass sheets, a layer of plasticized polymerized vinyl resin adherent to the inner face of each glass sheet, and a relatively thin sheet of hard cellulosic material intermediate the vinyl resin layers and adhered thereto, the cellulosic material having dispersed and embedded therein a multiplicity of light-polarizing particles with their polarizing axes oriented to substantial parallelism.

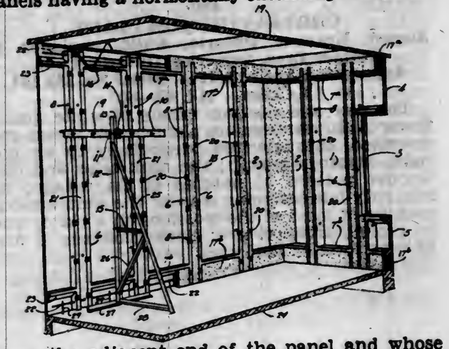
21,905
BUILDING CONSTRUCTION

Sverre F. Nielsen, San Diego, and Fred Bostad, Los Angeles, Calif.

Original No. 2,139,907, dated December 13, 1938, Serial No. 133,212, March 26, 1937. Application for reissue March 6, 1940, Serial No. 322,630

9 Claims. (Cl. 72—16)

1. Building construction including wall portions formed of a plurality of substantially wall height panels disposed in side by side relationship, each of said panels having side walls, the adjacent side walls of adjacent panels being spaced apart at their outer edges and converging inwardly of the wall whereby to provide a concrete receiving column form, and each of said panels having a horizontally extending rib spaced



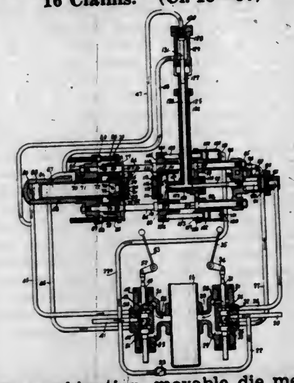
from the adjacent end of the panel and whose respective ends intersect the respective side walls of the panel, each of said ribs having a beveled face providing one face of a concrete receiving beam form.

21,906
PLASTIC EXTRUSION MOLDING PRESS

Victor S. Shaw, Cardington, Ohio, assignor to The Hydraulic Press Corporation, Inc., Wilmington, Del., a corporation of Delaware

Original No. 2,107,190, dated February 1, 1938, Serial No. 79,954, May 15, 1936. Application for reissue May 12, 1938, Serial No. 207,569

16 Claims. (Cl. 18—30)



12. In combination, movable die means, a directly acting hydraulic motor for moving said die means into a closed position, an injector adapted to inject molding material into said die means, a charging chamber for said injector, a charging member therein for charging material therefrom to said injector, mechanism operatively responsive to the operation of said injector for measuring out and distributing measured charges of molding material to said charging chamber, and a hydraulic motor for operating said injector.

PLANT PATENTS

GRANTED SEPTEMBER 23, 1941

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

489

CHRYSANTHEMUM PLANT

August Kramer, Ontario, Calif., assignor to Kramer Bros. Nurseries, Ontario, Calif.

Application April 18, 1941, Serial No. 389,204

1 Claim. (Cl. 47—60)

The new and distinct variety of white multi-flowered chrysanthemum plant herein shown and described, characterized particularly by its upright, vigorous growth; the dark color and distinctive pattern of notches of its foliage; its relatively late blooming season; the simultaneous opening of most of the blossoms on a plant; and its prolific production of single blossoms of distinctive form as indicated.

490

CHRYSANTHEMUM PLANT

John M. Good, Springfield, Ohio, assignor to Good & Reece, Inc., Springfield, Ohio, a corporation of Ohio

Application February 11, 1941, Serial No. 378,398

1 Claim. (Cl. 47—60)

A distinct and new variety of chrysanthemum plant as herein shown and described, characterized particularly by each stem bearing large clusters of double flowers with the color of each flower a blend of baby pink and dawn resulting in a color of peach blossom.

PATENTS

SEPTEMBER 23, 1941

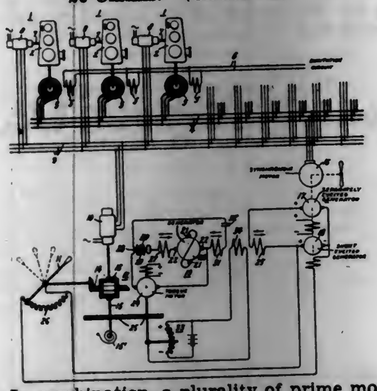
2,256,463

SPEED REGULATING SYSTEM

Ernst F. W. Alexanderson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application July 20, 1940, Serial No. 346,583

26 Claims. (Cl. 290—4)



1. In combination, a plurality of prime movers connected to supply power to a common load, means responsive to the average speed of said prime movers for uniformly increasing the power delivered by each of said prime movers if said average speed falls below a predetermined value and for uniformly decreasing the power delivered by each of said prime movers if said average speed rises above said predetermined value, and means for adjusting the value of said predetermined average speed comprising a device for simultaneously changing the speed responsive setting of said means which is responsive to said average speed and uniformly changing the power delivered by each of said prime movers in such a manner that both the changes in average speed produced thereby correspond with each other.

2,256,464

THERMAL DEMAND METER RESET

Hans A. Bakke, Swampscott, Mass., assignor to General Electric Company, a corporation of New York

Application January 4, 1941, Serial No. 373,114

8 Claims. (Cl. 171—34)



1. A demand meter comprising friction pointer means pivoted to swing through a measurement arc, a movable pointer advancing dog positioned to contact said pointer means on one side and advance it towards a maximum measurement position, a resetting pusher normally positioned on the other side of said pointer means beyond the maximum measurement position thereof and movable to return the friction pointer from a maximum to a zero measurement position, a movable measurement responsive device continuously urging said dog to a position corresponding to a measurement, if any, and effective to advance said friction pointer means accordingly, and manual means including an eccentric rotatable through a complete revolution to operate said resetting pusher to reset said pointer means and dog to a zero measurement position and allowing the return of the pointer means and the pusher to an up-scale position, said return, if any, being sufficiently gradual as to allow the dog, when urged by said measurement device, to advance the friction pointer means to current measurement position without overshooting.

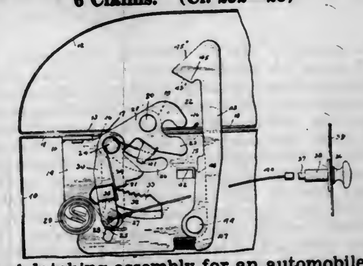
2,256,465

AUTOMOBILE HOOD LATCH

Kenneth E. Brubaker, Waukegan, Ill., assignor to Houdaille-Hershey Corporation, a corporation of Michigan

Application December 2, 1940, Serial No. 368,113

6 Claims. (Cl. 292—25)



6. A latching assembly for an automobile hood comprising keeper structure on the hood cover, a latch bolt on the hood body normally in position to latch the cover closed, a safety catch member separate from said latch bolt and normally in position to limit the opening movement of the cover after unlatching thereof by the latch bolt, an actuating member connected with said latch bolt and normally disengaged from said safety catch member, control means at a point remote from said hood connected with said actuating member, a first manipulation of said control means effecting movement of said latch bolt to unlatch said cover, and means whereby upon a second manipulation of said control means said actuating member will engage with and set said safety catch member to ineffective position independently of movement of said main latch bolt so that the cover may be fully opened.

2,256,466

STARTING MECHANISM FOR INTERNAL COMBUSTION ENGINES

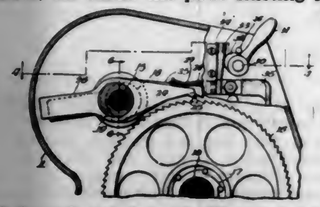
Jasper F. Cullin, Detroit, Mich., assignor of two-thirds to Lou Mervis, Lock Haven, Pa.

Application July 3, 1940, Serial No. 343,762

12 Claims. (Cl. 74—116)

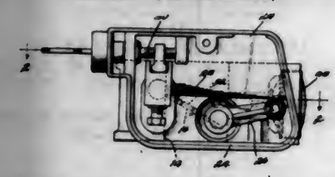
1. The combination with starting mechanism for internal combustion engines, comprising a ratchet-wheel connected to drive the crank shaft and engine, an electric motor, eccentrices driven by the motor, and pawls journaled on said eccentrices for driving the wheel, of resilient means for shifting the pawls into engagement with the

wheel, a switch for controlling the motor, a control-shaft, on which the pawl shifting means is



mounted, and switch-controlling means on said control-shaft.

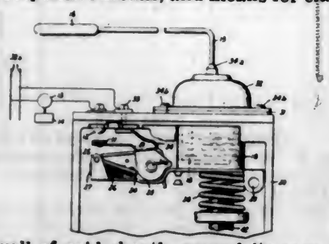
2,256,467
GOVERNOR
Addison C. Hoof, Hinsdale, Ill.
Application January 11, 1937, Serial No. 120,099
1 Claim. (Cl. 137—153)



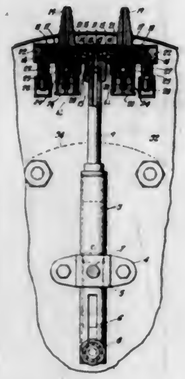
In a governor for an internal combustion engine, having an intake conduit extending therethrough, one end of said conduit being adapted to communicate with the intake manifold of said engine, the other end of said conduit being adapted to communicate with the throttle passageway of a carburetor, and a valve in said conduit adapted to be urged toward closed position by fluid flow in the conduit toward the intake manifold, the improvement which comprises an anti-cheat mechanism having a flexible diaphragm mounted on said governor, the outer surface of said diaphragm being in communication with atmosphere at all times, the inner surface of said diaphragm being in communication with said conduit on the carburetor side of said valve, and means operatively associated with said diaphragm and being operatively connected with the valve for urging the valve toward a closed position in response to actuation of the diaphragm under the influence of a negative pressure on the carburetor side of the valve, said diaphragm being flexible and said flexibility comprising the sole means resisting shifting of said diaphragm by the valve, said valve urging means comprising a member pivotally associated with the valve, a second member engaged with said first member for relative movement in the direction of movement of the diaphragm only, and means for limiting the relative movement of said members at a predetermined relative point for permitting said second named member to shift the valve when predetermined negative pressures exist adjacent said valve.

2,256,468
REFRIGERATOR CONTROL DEVICE
Don E. Moran, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application March 20, 1941, Serial No. 384,230
5 Claims. (Cl. 62—4)

1. A control device for an electric refrigerator comprising a casing, electric control means mounted in said casing, temperature responsive means in said casing for operating said control means, an open end flexible sheath made of electrically insulating material enclosing said temperature responsive means, and means for clamping the wall of said sheath around its open end against said casing so as to seal said sheath.



2,256,469
DUAL TIRE INFLATOR DEVICE
Clark W. Parker, Dobbs Ferry, N. Y.
Application September 1, 1938, Serial No. 227,902
2 Claims. (Cl. 152—418)

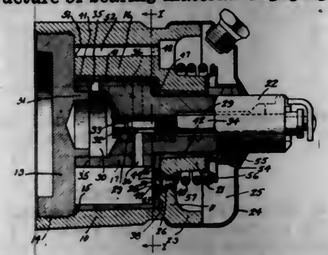


1. In a tire inflating device for dual tires mounted on a single wheel of a vehicle, pumping means for supplying air to said dual tires and being fixedly secured to the wheel upon which said tires are mounted and operated by the rotation of said wheel, a device associated with said pump comprising duplicate mechanisms, one located in the supply line from the pumping means to each tire, each mechanism of said device including a pressure operated valve normally held closed by pressure in the associated tire, but opened to establish communication between the tire and said pump by the pressure created by the pump during its pumping stroke, each said valve having a secondary valve seat against which said valve is closed when the associated tire is deflated, whereby said pump is effective to inflate one of the two tires while the other remains deflated, and an escape valve associated with each mechanism of said device for preventing over-inflation of the associated tire.

2,256,470
HYDRAULIC SHOCK ABSORBER
Ralph F. Peo and Gervase M. Magrum, Buffalo, N. Y., assignors to Houde Engineering Corporation, Buffalo, N. Y., a corporation of New York
Application April 13, 1940, Serial No. 329,412
7 Claims. (Cl. 188—89)

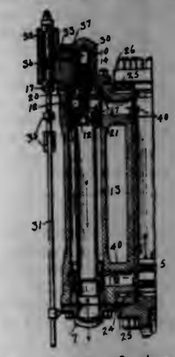
1. A hydraulic shock absorber comprising a housing body in the form of an integral structure

comprising a cylindrical wall and an outer end wall having a bearing opening, a detachable inner end wall, said walls defining a cylinder space, abutments extending radially into said cylinder space from said cylindrical wall on diametrically opposite sides thereof, a piston structure comprising a cylindrical head with vanes thereon located in said cylinder space and a shaft extending through said bearing opening, and a cup-shaped liner structure of bearing material engaging with



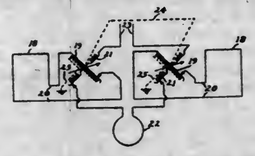
its cylindrical wall in said housing cylindrical wall and with its bottom against said outer end wall, said cylindrical wall and bottom wall of said liner structure at diametrically opposite points thereof being offset inwardly to receive said abutments and to provide lining for the sides and ends of said abutments.

2,256,471
VALVE MECHANISM FOR MOTORS OF PUMPS
Frank David Butler, United States Navy
Application May 27, 1940, Serial No. 337,450
4 Claims. (Cl. 121—156)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



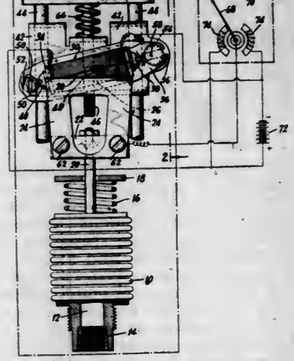
4. An article of manufacture, for motor of reciprocating expansive fluid actuated pump, consisting of a hollow spool shaped main valve having a plurality of valved heads of different diameters one located at each end thereof and each having a reduced diameter conical valve surface at its outward end, a plurality of reduced diameter cylindrical skirt projections integral with said main valve and one located adjacent the base of each conical valve surface mentioned, a reduced diameter projecting plunger integral with said main valve and located adjacent the larger valved head end of the latter, and, a restricted communication passage extending through the larger valved head and said plunger from the inward side of the former to the extreme outward end of the latter.

2,256,472
RADIO DIRECTION FINDER DEVIATION CORRECTION DEVICE
Abram A. Cory, Portsmouth, Va.
Application October 20, 1939, Serial No. 300,404
1 Claim. (Cl. 250—11)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



Deviation-corrected radio direction finders for use aboard ship, comprising a rotatable direction finding coil, two collector loops disposed athwartships, a fixed athwartships inductor coil connected in series with each said collector loop, an inductor coupled to and disposed in the immediate vicinity of each said inductor coil, said inductors being connected in series with said direction finding coil and rotatable therewith, whereby deviation of the indicated direction of a source of radio signals, due to the ship, is corrected and the output for a given strength of field due to a signal is increased.

2,256,473
ELECTRIC PRESSURE INDICATOR
Clarence A. de Giers, Forest Hills, N. Y., assignor to The Liquidometer Corporation, Long Island City, N. Y., a corporation of Delaware
Application October 24, 1939, Serial No. 300,949
4 Claims. (Cl. 201—48)

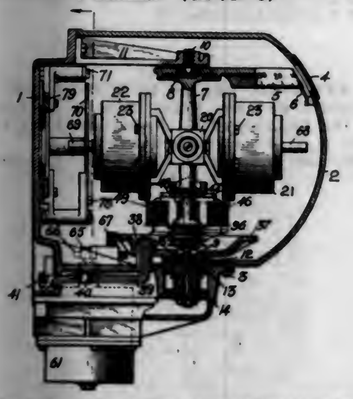


1. In a device of the class described, a resistance strip and a contact shoe, said strip and said shoe having straight line edges in the same plane in angular relationship with each other and having a point of contact between said edges, means for moving the straight line edge of the contact shoe across the straight line edge of said resistance strip to bring another point of contact between said edges, said resistance strip comprising wire wrapped around a polygonal insulating block whereby a plurality of contact edges are formed, and manually adjustable means for placing any selected one of said last mentioned edges in operative position in said plane.

2,256,474
STARCH SIZE AND METHOD OF PREPARING THE SAME
Stoney Drake, Atlanta, Ga.
No Drawing. Application August 29, 1935, Serial No. 38,461. Renewed May 24, 1940
8 Claims. (Cl. 134—23)

3. Warp sizing and cloth finishing compositions having an acid reaction and consisting of water, a thick boiling starch, a starch solubilizing enzyme, a mixture of sodium fluoride and sodium bifluoride, said bifluoride being present in substantially smaller quantities than said fluoride and being present in such quantity as to give the composition a pH of between about 2 and 7, said composition having non-foaming or non-frothing characteristics and giving the warp and cloth acid-resistant properties and increased strength, toughness and durability without tendering or weakening the warp or cloth.

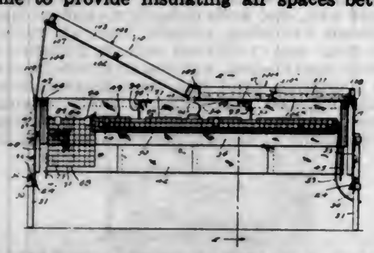
2,256,475
BALANCED DIRECTIONAL GYROSCOPIC INSTRUMENT
Orland E. Esval, Allendale, N. J., and Joseph Freitag, Jackson Heights, N. Y., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application October 18, 1938, Serial No. 235,566
7 Claims. (Cl. 74—5)



1. In a gyroscopic direction indicating instrument, a support, a shaft pivoted therein at the top and bottom for turning around the vertical axis, two equal and independent gyroscopes having horizontal spin axes, separate spinning means for each gyroscope, and means for symmetrically suspending said gyroscope on opposite sides of said shaft in neutral equilibrium for tilting around a horizontal axis normal to said spin axes with one gyroscope on each side of said vertical shaft, whereby said neutral equilibrium is maintained regardless of change of temperature.

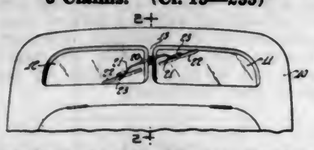
2,256,476
BROODER
Luty Hawkins, Mount Vernon, Ill., assignor to Hawkins Million Dollar Hen, Inc., Mount Vernon, Ill.
Application June 13, 1939, Serial No. 278,975
18 Claims. (Cl. 119—33)

1. A brooder or hover comprising a frame formed of outer side and end walls, means detachably securing said walls together, inwardly projecting upper and lower flanges carried by the upper and lower edges of said walls, a fabric inner wall for each of said outer walls, means dependingly supporting said fabric walls within said frame in spaced relation to the walls of said frame to provide insulating air spaces between



the said outer and inner walls, and weighting means for certain of said fabric walls.

2,256,477
WINDOW WIPER
John H. Herzog, Brooklyn, N. Y., assignor to The Sleetex Company, Inc., New York, N. Y., a corporation of New York
Application December 16, 1938, Serial No. 246,058
6 Claims. (Cl. 15—255)



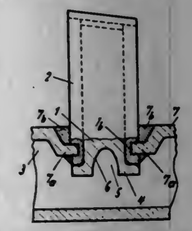
2. A window wiper for the rear windows of an automobile having a compartment within its body near the rear window, said window having panes angularly positioned relative to one another, which comprises a motor positioned in the compartment, a flexible shaft and housing therefor extended through the compartment near the window and through the wall of the body near the window, a wiper arm mechanism connected to the end of the flexible shaft extending over the outside of said window and comprising a walking beam with an end over each of said panes, means resiliently pressing the wiper blades from the walking beam toward the surfaces of the window panes but adapted to be equalized by rocking movement relative to the end of the shaft, and wiper blades connected to the ends of said walking beam.

2,256,478
TENSION WRENCH
James M. Hill, San Antonio, Tex.
Application May 21, 1938, Serial No. 209,247
6 Claims. (Cl. 265—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



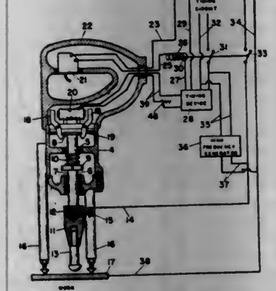
1. A torque registering wrench having in combination a shaft, a handle member turnable on the said shaft, a socket-bearing member fixed to the shaft on one side of the handle member, an index fixed to the shaft on the opposite side of the handle member, elastic torque-transmitting means coupling the handle member with the socket-bearing member, a scale fixed to the handle member in cooperative relation with the index, and coacting means on the said handle and socket-bearing members functioning immediately above and below the registering range of the wrench to limit the relative movement of the said members to one direction only.

2,256,479
BLADE FOR ROTARY MACHINES OPERATED BY HIGH TEMPERATURE MEDIA
Hans Holzwarth, Dusseldorf, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif., a corporation of Delaware
Application March 17, 1939, Serial No. 262,454
In Germany March 21, 1938
17 Claims. (Cl. 60—41)



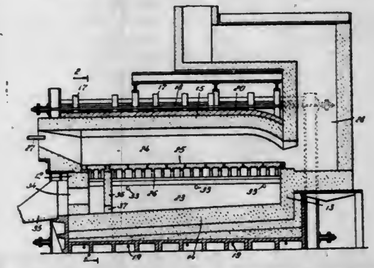
1. A blade for rotary machines operating with a medium of high temperature and comprising an outer body made of a material having a high strength at high temperatures but of relatively lower heat conductivity, and an inner core of relatively higher heat conductivity of the order of that of copper, the volume occupied by the carrying outer body, referred to the free blade portion exposed to the working medium, being approximately equal to, or, while maintaining the carrying capacity of the outer body, being less than, four times the space occupied by the core.

2,256,480
WELDING GUN
Grover A. Hughes, Seattle, Wash.
Application September 3, 1940, Serial No. 355,129
5 Claims. (Cl. 219—4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



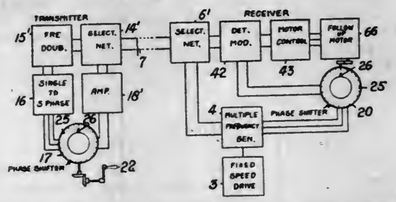
4. Apparatus for end-welding, comprising means to support an element to be end-welded at the proper arc distance from the work piece to which such element is to be welded, means to apply a high frequency potential between said element and said work, means to supply welding alternating current to said element and said work, whereby said high frequency potential breaks down the air gap between said element and said work and establishes the arc, and means responsive to a predetermined number of alternations of said welding current to interrupt said welding current and effect movement of said element into welding contact with said work a predetermined interval after said arc is established.

2,256,481
PRODUCING FLAT-SET COPPER SHAPES
Philip M. Hulme and Robert A. Ghelardi, Metuchen, N. J., assignors to International Smelting & Refining Company, a corporation of Montana
Application October 30, 1940, Serial No. 363,518
9 Claims. (Cl. 75—76)



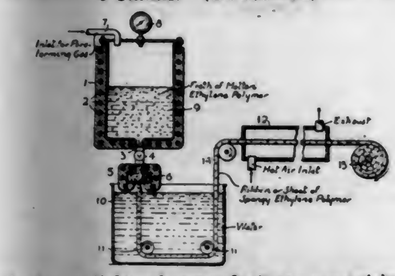
1. The method of producing substantially flat-set cast copper shapes which comprises introducing substantially oxygen-free copper into the melting chamber of a fuel-fired muffle furnace, heating and melting the copper therein largely by means of radiant heat while maintaining a non-oxidizing atmosphere within the melting chamber, withdrawing substantially oxygen-free molten copper from the melting chamber and exposing it to an oxidizing atmosphere sufficiently to incorporate therein a proper amount of oxygen to produce a flat-set upon casting and cooling, and casting the resulting oxygen-bearing molten copper into a suitable shape.

2,256,482
DATA TRANSMISSION AND CONTROL SYSTEM
Eric J. Isbister, Brooklyn, and Francis L. Moseley, Pelham, N. Y., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application June 6, 1936, Serial No. 83,844
12 Claims. (Cl. 177—337)



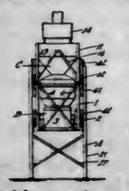
1. A data transmission and control system comprising a transmitter, a receiver, a two-wire transmission line interconnecting said transmitter and receiver, means for supplying said line with an alternating potential of fundamental frequency, said transmitter having means for converting said alternating potential to one of different frequency and of continuously variable phase position corresponding to the data transmitted, means for supplying said different frequency, variable phase potential to said line for transmission to said receiver, said receiver having means for selecting said different-frequency variable-phase potential and for detecting its phase position, an indicator operated in accordance with said phase position, and means for so operating said indicator.

2,256,483
SYNTHETIC SPONGY MATERIAL
Frederick L. Johnston, Claymont, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application June 21, 1939, Serial No. 280,421
3 Claims. (Cl. 260—94)



1. An article of manufacture comprising a polymer of ethylene in porous spongy form, said polymer of ethylene corresponding in composition to $(CH_2)_x$ and showing by X-ray diffraction analysis a crystalline structure.

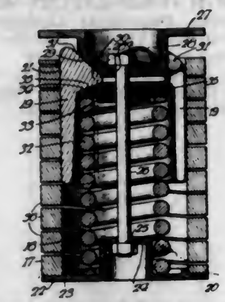
2,256,484
PORTABLE PAVING PLANT
Frank E. Kemp, Honolulu, Territory of Hawaii
Application January 3, 1939, Serial No. 248,945
9 Claims. (Cl. 259—153)



1. In a portable paving plant, a supporting frame having a transverse archway at the bottom, two pairs of horizontally spaced apart rails supported on and within the frame, one pair being immediately above the arch, and the other pair being spaced considerably thereabove, and a pair of cooperating paving plant units positioned in cooperative superimposed relation, one unit being removably mounted on each pair of rails.

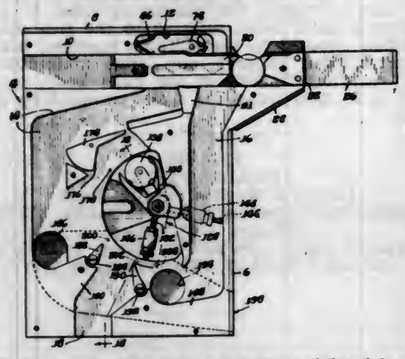
2,256,485
FRICTION BOLSTER SPRING
Webb G. Krauser, Montreal, Quebec, Canada, assignor to Cardwell-Westinghouse Company, a corporation of Delaware
Application November 18, 1939, Serial No. 305,147
8 Claims. (Cl. 267—9)

1. In a spring assembly for supporting a railway truck bolster, a friction spring unit comprising a spring, friction shoes for frictionally engaging the interior surface of a limited number of turns at one end only of said spring, each shoe being provided with an inclined face on its outer end, said inclined faces extending outwardly beyond the adjacent end of the spring when the unit is expanded, a thrust member having wedging faces engaging the inclined faces of said shoes for forcing said shoes outwardly into frictional engagement with said spring, a wedge block having wedging faces engaging corresponding wedging faces on said shoes for forcing said shoes outwardly when the unit is compressed, and a spring engaging said block for resiliently resisting inward movement of said shoes and



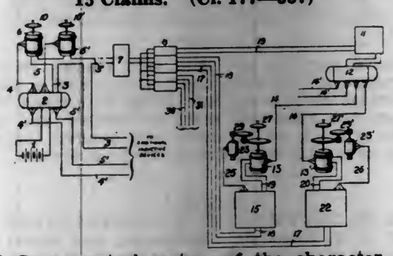
block, said unit being so constructed that the same may be flexed laterally.

2,256,486
COIN DETECTING APPARATUS
John F. Lindberg, Chicago, Ill.
Application February 23, 1937, Serial No. 127,003
12 Claims. (Cl. 194—103)



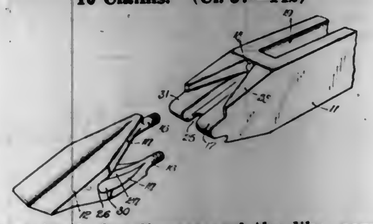
8. In a coin detector, a counterweighted lever, means causing received tokens to roll by gravity onto said counterweighted lever, the counterweighting of said lever being such as to permit tokens differing a substantial amount from a predetermined weight range to pass over said lever and to cause pivotal movement of the lever upon receipt of tokens within the predetermined weight range whereby to cause the latter tokens to roll therefrom in a given direction of rotation and oppositely to the tokens not within the predetermined weight range, an oscillatory member positioned to receive tokens within the predetermined weight range from said counterweighted lever and operable by said tokens arcuate distances which vary according to the weights of the tokens, means rotatably mounted on the oscillatory member and operable by the rolling tokens as they are received by said oscillatory member for clamping the same to said oscillatory member, means positioned at a predetermined spaced point along the arc of movement of said oscillatory member operating said clamping means to release and pass a token of predetermined weight from said oscillatory member, and means positioned at other predetermined spaced points along the arc of movement of said oscillatory member for operating said clamping means to release and reject tokens differing from said predetermined weight.

2,256,487
DATA TRANSMISSION AND CONTROL SYSTEM
Francis L. Moseley, Pelham, and Eric J. Isbister, Brooklyn, N. Y., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application October 7, 1936, Serial No. 104,364
15 Claims. (Cl. 177—337)



1. In a control system of the character described, a two-wire transmission line, a transmitting station connected to said line, a receiving station connected to said line remote from said transmitting station, controlling means at said transmitting station including an A. C. generator and an inductive device energized therefrom for delivering electric signal impulses of changing phase to said line in accordance with desired data for transmission to said receiving station, means at the latter station for detecting the phase of said signal impulses and including an A. C. generator operating synchronously with said transmitting station generator, and controlled means including an inductive device at said receiving station energized from said receiving station generator and operable from said detecting means in synchronism with said controlling means.

2,256,488
REPLACEABLE TOOTH FOR DIPPERS
Joseph P. Murtaugh, Chicago Heights, Ill., assignor to Daniels-Murtaugh Company, Cedar Rapids, Iowa, a partnership comprising Arthur W. Daniels and Joseph P. Murtaugh
Application June 22, 1938, Serial No. 215,104
10 Claims. (Cl. 37—142)



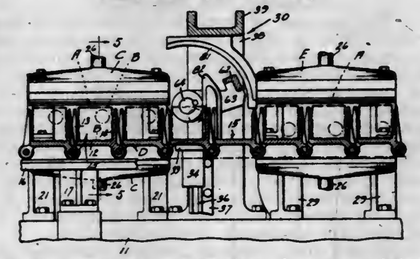
7. A tooth for dippers and the like, comprising a body portion adapted to receive a nose therein, having rearwardly diverging inner faces adapted to bear on the upper and lower faces of the front of the nose and having generally opposite outer faces converging toward a point, and securing shank means integral with the body portion and adapted to extend rearwardly within a tooth base and provided with a formation adapting the shank means associated with said formation to be drawn into the base for securing a tooth firmly thereon; said tooth, including said opposite outer faces, being progressively reduced rearwardly in width, as seen from directions perpendicular to the faces, along a portion overlapping the nose and forwardly of the said formation, and said inner faces sloping away from each other toward the sides from an intermediate portion whereby the tooth will be interlocked against lateral movement on a complementally shaped nose.

2,256,489
ELECTRICAL APPARATUS
Carl F. Nazett, Boston, and Earl C. Hardy, Somerville, Mass.
Substituted for abandoned application Serial No. 232,562, September 30, 1938. This application August 2, 1940, Serial No. 349,770
2 Claims. (Cl. 173—340)



1. An armored electrical conductor structure, comprising a metal channel of indeterminate length, the depth of the channel being approximately equal to its width, a rubber strip completely filling said channel and coextensive therewith, said channel being a separate sheath for said rubber strip, said strip having three of its faces against the inner surfaces of said channel and its fourth face exposed, and a pair of uniformly spaced conductors buried in said strip from end to end thereof and arranged in a plane parallel to the fourth face of said strip, said fourth face having thereon a pair of guide lines registering with said conductors respectively.

2,256,490
CAN ORIENTING MECHANISM
Horace J. Paynter, Union, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application February 17, 1940, Serial No. 319,527
5 Claims. (Cl. 198—33)

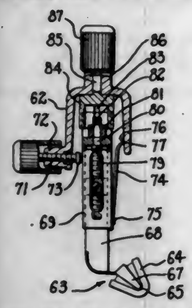


1. A turn-over mechanism for a container making machine, comprising in combination a curved guide rail, a lifter pad for raising a container into an elevated position adjacent said curved guide rail, and a turn-over arm for pushing the elevated container off the lifter pad and along said curved guide rail, said guide rail being adapted to rotate the container relative to its axis for substantially 90 degrees while it travels along the guide rail.

2,256,491
TRIAL FRAME
William F. Peck, Kenmore, and Albin A. Gradisar, Buffalo, N. Y., assignors to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application October 24, 1939, Serial No. 301,006
14 Claims. (Cl. 88—20)

1. In a device of the character described, a

nose piece assembly comprising a housing, a tubular bearing pivoted internally of said housing, a slide bar in said tubular bearing having a portion with a threaded opening therein and a nose bearing member supported adjacent one end thereof, a screw member rotatably mounted internally of the tubular bearing and threadedly connected



with the portion of the slide bar having the threaded opening therein and a coupling member in said housing interconnected with the screw member adapted to be rotated to rotate said screw member to move the slide bar longitudinally of said tubular bearing and permitting said tubular bearing to be swung about its pivotal connection internally of the housing.

2,256,492

METHOD OF TREATING COPPER AND PRODUCT THEREOF

Albert J. Phillips, Plainfield, Albert A. Smith, Jr., Metuchen, and John S. Smart, Jr., Orange, N. J., assignors to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application August 17, 1939, Serial No. 290,628
6 Claims. (Cl. 148—21.2)

1. The process of treating copper containing from 0.025% to 0.05% oxygen for increasing the softening temperature thereof, which comprises including antimony therein in effective amounts but not exceeding substantially 0.02% thereof, heating the said copper to within a temperature range of from approximately 700° C. to approximately 1000° C., maintaining the said copper within such temperature range until the antimony is converted substantially completely into solid solution in the copper, and quenching the resulting copper from the said temperature to maintain the antimony in solid solution.

4. A new metallurgical product composed of commercial tough-pitch copper containing antimony but not more than approximately 0.02% thereof, the antimony being substantially entirely in solid solution in the copper in the presence of from 0.025% to 0.05% oxygen contained in the copper.

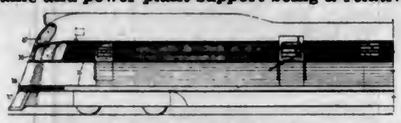
2,256,493

RAIL CAR FRONT END CONSTRUCTION

Earl J. W. Ragsdale, Norristown, and Albert G. Dean and Walter B. Dean, Narberth, Pa., assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

Application April 13, 1934, Serial No. 720,490
14 Claims. (Cl. 105—2)

1. A rail car comprised of a combined underframe and power plant support extending through a portion only of the length of the car and acting as a principal load support therein and side trusses having chords connected with and extending beyond said combined underframe and power plant support, said combined underframe and power plant support being a relatively



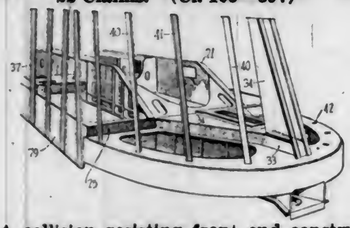
massive member and said side trusses having members of relatively light gauge, and a plate structure of intermediate gauge interposed between the relatively massive member and the light gauge truss members and secured thereto for a general stress distribution therebetween.

2,256,494

RAIL CAR FRONT END CONSTRUCTION

Earl J. W. Ragsdale, Norristown, and Albert G. Dean, Narberth, Pa., assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

Application April 15, 1936, Serial No. 74,542
22 Claims. (Cl. 105—397)



1. A collision resisting front end construction for a light weight rail car tractor unit having a power plant supporting underframe, said construction comprising a pilot, a bumper integral with the underframe, and a body, means to reinforce the body, and means to reinforce said pilot; each of said reinforcing means being secured to said bumper whereby said bumper will resist substantially all end shocks, a vertical central section through said pilot, bumper, and car body being a substantially straight line at a rearwardly inclined angle to the vertical.

2,256,495

LAPPING TOOL

John A. Rioux, Jamaica, N. Y.

Application February 18, 1939, Serial No. 257,041
14 Claims. (Cl. 51—184.3)



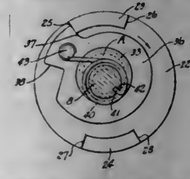
12. A lapping tool or the like, comprising in combination, a rotable casing, a mandrel assembly detachably secured to said casing; said mandrel assembly comprising a mandrel tube, a plurality of abrading stones mounted for expansive and retractive movement on the mandrel tube, a wedge plunger mounted in said tube and operating on said stones to expand and retract them, and a spring between said tube and plunger tending to retract the stones; and centrifugal means on said casing for actuating said plunger.

2,256,496

POWER DRIVEN TOOL

Girard C. Robinson, Maywood, Ill.

Application September 27, 1940, Serial No. 358,633
4 Claims. (Cl. 192—30.5)



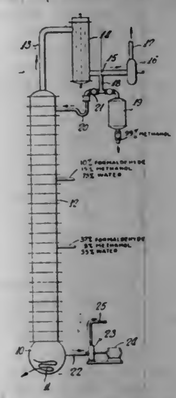
4. In a power driven tool construction, a tool holder having a rotatable part formed with stop means spaced radially outwardly from the axis of rotation, a rotatable driving member having a circular opening therein and normally having a driving engagement with said stop means releasable by inward radial movement of said member out of engagement with said stop means, means including an eccentric rotatable within said circular opening of said driving member for effecting said inward radial movement when said tool holder encounters a predetermined resistance to movement, and means for automatically re-engaging said member with said stop means after release.

2,256,497

PROCESS OF PURIFYING AND CONCENTRATING FORMALDEHYDE SOLUTIONS

Blythe M. Reynolds, Upper Montclair, N. J., assignor to Heyden Chemical Corporation, New York, N. Y., a corporation of New York

Application January 12, 1937, Serial No. 120,189
7 Claims. (Cl. 202—39)



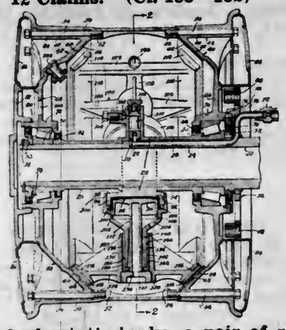
4. The process of obtaining substantially pure methanol from a solution consisting essentially of formaldehyde, methanol and water, which includes continuously delivering the solution to a fractionating column intermediate of the ends of the latter, maintaining a distillation at the lower end of the column, maintaining the column under a pressure substantially below atmospheric, maintaining reflux condensation at the top of the column until the solution at the bottom of the column is substantially free of methanol and contains substantially all of the formaldehyde and substantially all of the water of the dilute solution, and thereafter continuously withdrawing said water solution of formaldehyde from the bottom of the column and substantially pure methanol from the top of the column.

2,256,498

HYDROSTATIC BRAKE

Claude Sauzedde, Detroit, Mich., assignor to Detroit Hydrostatic Brake Corporation, Detroit, Mich., a corporation of Michigan

Application June 27, 1939, Serial No. 281,447
12 Claims. (Cl. 188—152)



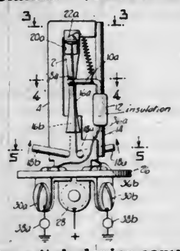
1. In a hydrostatic brake, a pair of relatively rotatable braking members having engageable braking surfaces, means for supporting said members, a spider supported by said means, said spider having a chamber, a piston within said chamber and operable for actuating one of said members for inter-engaging said braking surfaces, means for actuating said piston, a hollow member threadedly secured to said spider coaxially with said chamber and surrounding said piston, said hollow member being adapted for guiding said piston actuated braking member, and a spacer member between said hollow member and said last mentioned braking member.

2,256,499

ELECTRIC SWITCH DEVICE

Joseph Schmidinger, Long Island City, N. Y.

Application November 24, 1939, Serial No. 305,906
17 Claims. (Cl. 200—113)



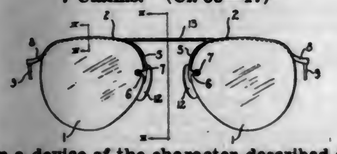
1. An electric switch device comprising in combination a frame, a buckling member of spring material operative to two different buckling positions and rigidly fixed at both ends to said

frame, a pair of contacts carried by said member, a pair of fixed contacts one positioned to be engaged by one of said first mentioned contacts in one buckling position of said member and the other positioned to be engaged by the other of said first mentioned contacts in the other buckling position of said member, support members for said fixed contacts, a block of insulating material fused about said support members, said block being carried by said frame, and thermoresponsive means controlling said buckling member to cause it to snap from one buckling position to the other.

2,256,500
MANUFACTURE OF PREGNENDIONES
Arthur Serini, Berlin, Lothar Strassberger, Berlin-Wilmersdorf, and Adolf Butenandt, Berlin-Dahlem, Germany, assignors to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey
No Drawing. Application April 10, 1939, Serial No. 267,184. In Germany October 31, 1934
10 Claims. (Cl. 260—397.3)

1. Process for the manufacture of pregnendiones of the general formula $C_{21}H_{30}O_2$, which comprises subjecting pregnenol-20-one-3 of the formula $C_{21}H_{32}O_2$ to the action of an oxidizing agent capable of converting a secondary alcohol group into a keto group.

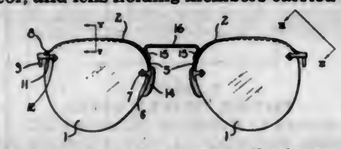
2,256,501
OPHTHALMIC MOUNTING
Edward M. Splaine, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application December 30, 1937, Serial No. 182,500
7 Claims. (Cl. 88—47)



4. In a device of the character described a pair of lenses having a single continuous bevel on their upper rear portions extending downwardly from adjacent the plane of the front surfaces of the lenses to the rear surface of said lenses, means holding the lenses in spaced alignment, and lens supporting rim-like members having a complementary bevel substantially fitting in the space provided by the bevelled off portions of the lenses and being so dimensioned as to cross-sectional size as to not project substantially above the front faces of the lenses and so that the major portion of said rim-like members will be substantially invisible when the device is viewed from the front.

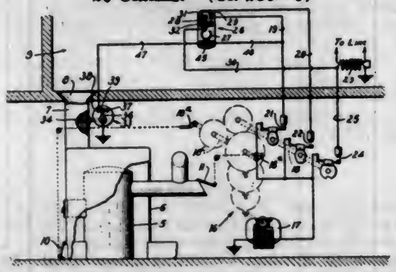
2,256,502
OPHTHALMIC MOUNTING
Edward M. Splaine, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application January 3, 1938, Serial No. 182,936
6 Claims. (Cl. 88—47)

6. In a device of the character described a pair of lenses each having a longitudinal recess along the upper contour edge thereof with the edge surfaces extending downwardly from adjacent the plane of the front surfaces of the lenses substantially throughout the upper rear portion of the lenses and extending to and intersecting the rear surfaces thereof, a lens supporting structure comprising a bridge member, relatively long and slender temple supports each having a portion shaped to lie in a respective recess along the upper rear portions of the lenses and terminating in a temple connection on the temporal side thereof, and lens holding members carried by said



temple supports and secured to the lenses on the nasal and temporal sides thereof for retaining said temple supports in said longitudinal recesses, the cross-sectional size of said temple supports being such as to substantially fill in the recess so as to not project substantially above the front face of the lens and such that the major portion of said temple support will be substantially invisible when the device is viewed from the front.

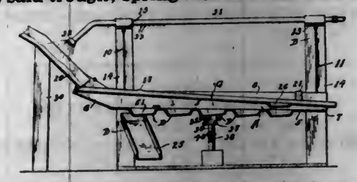
2,256,503
THERMOSTATIC CONTROL
Duncan J. Stewart, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application April 2, 1937, Serial No. 134,499
Renewed May 24, 1940
20 Claims. (Cl. 236—9)



12. In a heating system, the combination of apparatus for delivering heat to a space to be heated including a regulating device, thermostatic means controlling said device to increase and decrease the supply of heat by said apparatus, means responsive to rises and falls in the temperature of said apparatus independently of the temperature value and operable to reduce the effective control point of said thermostatic means progressively when heat becomes available in said apparatus for delivery to said space, and means for rendering said last mentioned means ineffectual at a time approximately coincident with the call of said thermostatic means for less heat.

2,256,504
GOLD CONCENTRATOR
Frank P. Stewart, Salt Lake City, Utah
Application May 23, 1938, Serial No. 209,506
4 Claims. (Cl. 209—437)

1. In a device of the class described, the combination of a plurality of pans having slanting sidewalls with one side deeper than the other; a common trough in which said pans are set with the top of the pans on the same plane as the trough surface; a lip across the lower, shallower edge of said pans; flexible means to support said trough; spring means to hold the trough



from jerky motion; and means to transmit a circular motion to said trough and pans.

2,256,505
COSMETIC
Marvin R. Thompson, Great Neck, N. Y., assignor to William R. Warner & Company, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application March 25, 1939, Serial No. 264,121
5 Claims. (Cl. 167—90)

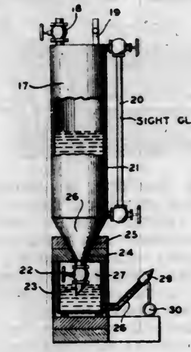
4. An ointment-like deodorant and antiperspirant preparation, containing as the only ingredient of ointment-like consistency a base consisting of about 100 parts by weight of an odor-absorbent, astringent hydrogel of aluminum containing between 75 and 85% of colloidal bound water, which dries upon application to the skin without leaving a powdery residue, said hydrogel being prepared by reacting an alkali with an acid aluminium salt in boiling aqueous solution at a pH value between 5.0 and 6.5, the salt and water being in the proportion of about one pound of said salt to about one gallon of water, in admixture with about 25 and 60 parts by weight of a hygroscopic polyhydroxy alcohol.

2,256,506
METHOD AND APPARATUS FOR MAKING BAGS
Melvin Wagner, Philadelphia, Pa., assignor to Thomas M. Royal & Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 19, 1940, Serial No. 324,894
10 Claims. (Cl. 93—35)



1. In the method of making multi-ply bags, the steps comprising forming transversely spaced pairs of openings in a web of paper at predetermined intervals therealong, duplexing a web of thermoplastic material on said paper web, forming the duplex web into tubular form with reentrant bellows-folded side walls which include the transversely spaced pairs of openings in the paper web, the said tubular form having the thermoplastic web residing interiorly thereof with its edge portions extending longitudinally in lapped relation beneath an overlying edge portion of the outer paper web, supporting the overlying edge portion of said paper outer web remote from the lapped edge portions of the thermoplastic inner web, applying heat directly to said lapped edge portions of said thermoplastic material to fuse the same together while the overlying edge portion of the paper outer web is remotely supported, and then lapping and securing together the edge portions of the paper outer web in overlying relation with respect to the inner web.

2,256,507
APPARATUS FOR CONDITIONING PAPER
Charles G. Weber, Arlington, Va., and Martin N. Geib, Washington, D. C., assignors to the Government of the United States, as represented by the Secretary of Commerce
Application July 28, 1939, Serial No. 286,966
2 Claims. (Cl. 34—83)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

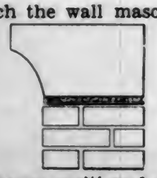


1. In combination with a conditioning chamber to receive paper or other hygroscopic material in sheet form, of a water spray apparatus which includes an air tight reservoir having an air tight inlet valve at its top through which water is introduced into the reservoir, a sight glass on the reservoir by which the amount of water in the reservoir may be determined, suitable gage marks being provided on the apparatus in association with the sight glass, the reservoir including a conical bottom, a water valve connected to the conical bottom and a pipe connected to the water valve, a feed tank positioned under the reservoir to receive water therefrom, the said pipe on the water valve extending into the feed tank and into the water therein in such manner that the water in the feed tank seals the end of the said pipe and shuts off air to the reservoir, a discharge pipe connected to the feed tank near the bottom thereof, a spray nozzle on the end of the discharge pipe and a pressure air line connected to the spray nozzle, whereby the contents of the reservoir may be sprayed in measured amounts from the nozzle under the action of air under pressure from the airline, a blower adjacent the nozzle to receive the water sprayed in measured amounts therefrom and to deliver the same to the paper conditioning chamber.

2,256,508
FLASHING
Abraham S. Weinstein, Brighton, Mass.
Application June 7, 1939, Serial No. 277,814
10 Claims. (Cl. 72—127)

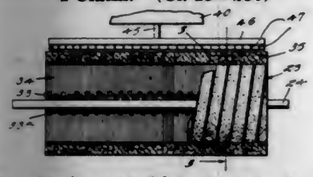
2. In combination with a masonry wall construction, a flashing positioned in the mortar joints comprising a metallic sheet having on its bottom face a yielding compound of asphalt and

rubber into which the wall masonry is directly



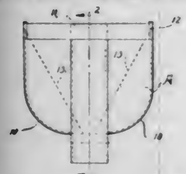
imbedded, and means positioned at the top surface of said flashing adhering to the mortar.

2,256,509
FLOOR CLEANING MACHINE
George Young, Washington, D. C.
Application June 28, 1940, Serial No. 343,045
1 Claim. (Cl. 15—230)



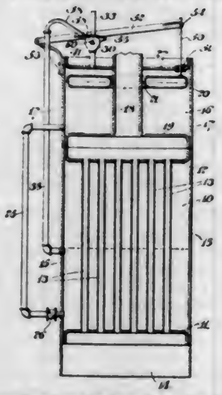
In a cleaning machine, a porous rotatable cylindrical cleaning member formed of a metallic wool, a pair of twisted together wires forming interstices therebetween and arranged in closely related substantially uniform spirals to provide a rotatable tubular core corresponding in length to said member, a combined coupling, cushioning and supporting means for said member corresponding in length to the core, interposed between the latter and the said member and formed of closely related substantially uniform spirals of closely arranged tufts of flexible metallic bristles anchored at their inner ends in the interstices of said core and having their outer ends engaging in the inner face of said member, and a rotatable shaft for and extending through said core.

2,256,510
DIAPER
Myrtle M. Young, Lincoln, Nebr.
Application September 9, 1939, Serial No. 294,117
1 Claim. (Cl. 128—284)



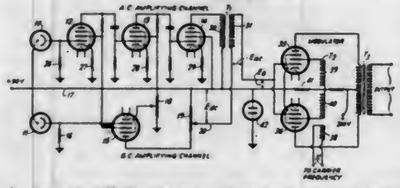
A diaper comprising a sheet generally rectangular in form, a folded marginal edge along one side of said sheet forming a body encircling band, an elongated strip of material of a width sufficient to accommodate the crotch portion of a wearer secured to said sheet adjacent said body encircling band only, intermediate the width of said sheet, said strip extending at right angles to said body encircling band and extending beyond the edge of said sheet opposite the said folded marginal edge, said strip being transversely foldable to provide a pad on said strip, the remainder of said sheet being foldable from the juncture between the ends of said band to the center of the edge opposite said folded marginal edge to form a substantially triangular body and a portion of the folded end of said strip adapted to engage said folded marginal edge when the device is in use.

2,256,511
BOILER FEED WATER SYSTEM
John Amen, Philadelphia, Pa.
Application August 8, 1939, Serial No. 288,910
6 Claims. (Cl. 122—456)



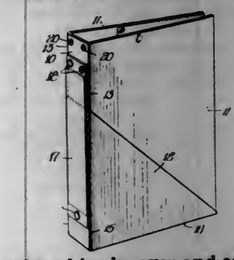
1. A boiler feed water system including a boiler, a tank, a float in said tank, connections between said boiler and said tank, a water supply conduit, valve mechanism for controlling the supplying of water to said tank, and operating connections including a spring operated snap actuation between said float and said valve mechanism, said operating connections providing for actuation of said valve from a position for supplying water through said conduit to said tank to a position for establishing communication between the upper portion of the tank and said boiler at the water level of the boiler.

2,256,512
DUAL CHANNEL AMPLIFIER
Maurice Artzt, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 22, 1937, Serial No. 170,311
4 Claims. (Cl. 179—171)



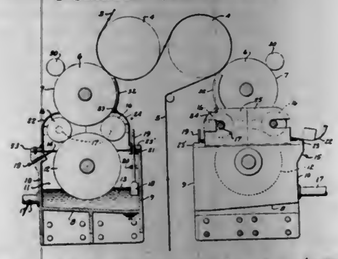
1. An amplifier system for use in a facsimile transmitter comprising a direct coupled and an impedance coupled amplifying channel, a separate light responsive element for each amplifying channel, means connected to one of said light responsive elements whereby the direct current and the low frequency portions of the output of said one element will predominate and means for applying said portions to said direct coupled amplifying channel, means connected to the other of said light responsive elements whereby the high frequency portion of the output of said other element will predominate, means for applying said portion to said impedance coupled amplifying channel, a transformer having a primary winding and an inductively coupled secondary winding, means for applying the output of the impedance coupled amplifying channel to the primary winding of the transformer, and means for connecting the secondary of the transformer in series with the output from the direct coupled amplifying channel whereby the amplified signals from both amplifying channels will be present in the secondary of said transformer.

2,256,513
COMBINED BOOK COVER AND EASEL
Julius Bauer, Chicago, Ill.
Application December 18, 1939, Serial No. 309,740
10 Claims. (Cl. 281—33)



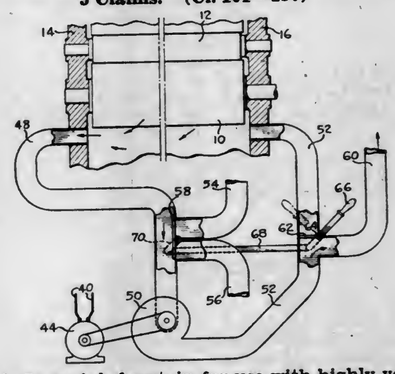
1. A combined book cover and easel embodying a structure having a back wall, side walls and a bottom portion, said bottom portion being hingedly carried by said back wall and side walls and being foldable to encompass said back wall and side walls or to occupy a substantially flat position in angular relationship with said back wall, and a strut hingedly supported by said back wall, the swinging extremity of said strut having means for engaging said bottom portion alternatively upon the two sides thereof for releasably holding said back wall and said bottom portion alternatively in parallel relationship or in spaced angular relationship with each other.

2,256,514
ROTARY PRINTING PRESS
Martin W. Brueshaber, Chicago, Ill., assignor to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois
Application November 12, 1938, Serial No. 240,039
3 Claims. (Cl. 101—350)



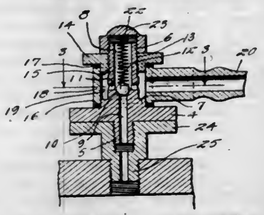
1. An inking mechanism for a rotary relief printing press including in combination an ink fountain, a fountain drum rotatable therein, a form roller to transfer ink from the drum to the printing cylinder of the press, a scraper blade for regulating the amount of ink removed from the fountain by the drum and means at the sides and ends of the drum for substantially enclosing the fountain, roller, drum and scraper to prevent rapid drying of the ink by reducing air circulation.

2,256,515
ROTARY PHOTOGRAVURE PRINTING PRESS
Martin W. Brueshaber, Chicago, Ill., assignor to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois
Application May 31, 1940, Serial No. 338,013
5 Claims. (Cl. 101—157)



1. In an ink fountain for use with highly volatile inks, openable closure means for effectively closing the ink fountain, air ducts leading to and from the closed ink fountain, air circulating means connected with said ducts, and means for starting said circulating means when the closure means are opened.

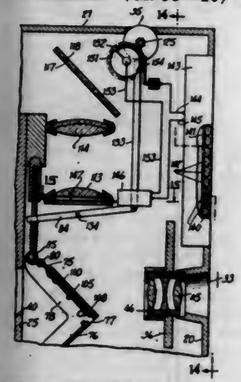
2,256,516
BLEEDER FITTING FOR BRAKE CYLINDERS
Charles Robert Carlin, Brunswick, Ga.
Application June 11, 1940, Serial No. 339,939
1 Claim. (Cl. 137—69)



An air bleeder fitting, comprising a circular body, a nipple extending axially from one side of the body, a stem extending axially from the other side of the body, the nipple being threaded for engagement in the air bleed aperture of a brake cylinder, the nipple having a bore extending longitudinally therethrough from its end beyond the body and into the stem, a circular shoulder encircling the stem upon the top of the body between the latter and said port, a nut threaded upon said stem and having a circular shoulder of the same diameter as the first shoulder and in opposed relation therewith, a washer encircling each of said shoulders, a chamber formed through the stem and communicating with said bore, a lateral port through the wall of said stem communicating with said chamber, a check valve in the inner end of the chamber closing communication between the port and the bore, spring means in the chamber maintaining

said check valve closed, a cylinder encircling the stem and having said shoulders engaging in and closing its ends, said nut when threaded upon the stem binding the cylinder between said washers, the inner wall of the cylinder being spaced from the stem between the shoulders to form an annular chamber communicating with said port, means for connecting a tube with the cylinder for communication therethrough with said annular chamber, and a cap nut threaded upon said stem and maintaining said spring within the stem chamber.

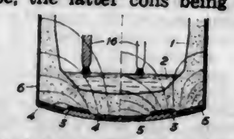
2,256,517
CAMERA
Alvin H. Cohen, New York, N. Y., assignor of one-half to Frederick L. Katz, New York, N. Y.
Application July 1, 1939, Serial No. 282,332
7 Claims. (Cl. 95—10)



1. In a camera, an objective lens, means for supporting a sensitized film in a plane behind said objective lens, a shutter positioned between the objective lens and said film, an optical system for viewing an aerial image, formed by the objective lens, of the subject to be photographed, said optical system comprising a reflector movable into and out of a position where it intercepts the light rays passing through said objective and directs them toward a focusing plane other than that in which the sensitized film is disposed, a photo-electric cell, a window independent of the objective lens adapted to transmit to said photo-electric cell a beam of light emanating substantially from the subject to be photographed, a pointer mounted for movement in said focusing plane, an electric circuit controlled by the photo-electric cell and controlling the movements of said pointer, an adjuster for affecting said circuit to vary the position of said pointer, and means operable by said adjusted for varying the effective speed of said shutter.

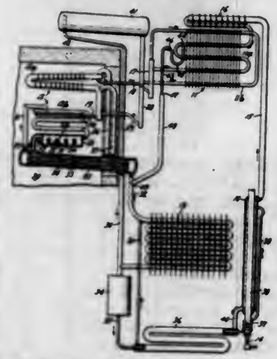
2,256,518
ELECTRIC FURNACE
Ludwig Dreyfus, Vasteras, Sweden, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a corporation of Sweden
Application September 28, 1939, Serial No. 296,911
In Sweden October 3, 1938
2 Claims. (Cl. 13—4)

1. A metallurgical furnace with heat supply at the free surface of the bath, comprising an iron vessel, a lining inside said vessel, a two-phase winding between the lining and the bottom of the iron vessel, said winding consisting of a flat circular coil belonging to one phase and two flat semicircular coils belonging to the other phase, the latter coils being arranged in



one plane and symmetrical to and close to the said circular coil, and a two-phase source of alternating current of below 10 periods per second feeding said winding.

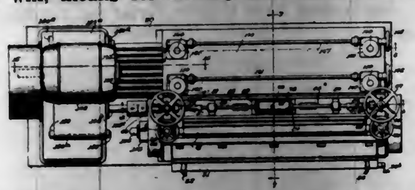
2,256,519
REFRIGERATION
Gunnar Grubb, Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., New York, N. Y., a corporation of Delaware
Application September 17, 1938, Serial No. 230,402
In Germany September 30, 1937
6 Claims. (Cl. 62—5)



1. In the art of refrigeration in which evaporation of liquid refrigerant takes place in the presence of an inert gas in a place of evaporation to produce a refrigerating effect, inert gas enriched with refrigerant vapor flows from the place of evaporation to a place of absorption, and inert gas weak in refrigerant vapor flows from the place of absorption to the place of evaporation, the flow of gas being due to the difference in specific weight of the enriched and weak gas columns, the improvement which consists in collecting refrigerant fluid in liquid phase at a place of accumulation, and intermittently flowing accumulated liquid into the weak gas column when a predetermined quantity of liquid has collected in the place of accumulation, whereby the flow of gas between the place of evaporation and place of absorption is reduced to lessen said refrigerating effect.

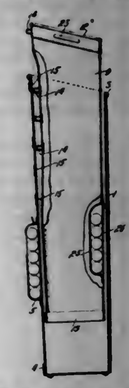
2,256,520
SHEET METAL FLEXING MACHINE
Einar K. Johansen and Adolf E. Waltman, Chicago, Ill., assignors to Clearing Machine Corporation, Chicago, Ill., a corporation of Illinois
Application August 3, 1940, Serial No. 350,554
15 Claims. (Cl. 153—54)

1. A machine for flexing a sheet of material embodying opposed series of rollers for straightening the material, feeding rollers for feeding the material to said straightening rollers, opposed flexing rollers in advance of the feeding rollers and between which flexing rollers the material passes to the feeding rollers, said flexing rollers having a fixed operative relation to each other, means whereby such fixed relation may be varied at will, means for moving said flexing rollers



across the path of movement of the material to the feeding rollers, and means controlled by the passage of the material between the feeding rollers for controlling the positioning of said flexing rollers.

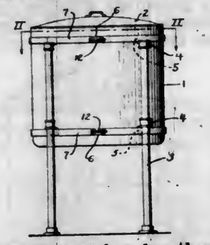
2,256,521
ALL-PURPOSE GOLF BAG
Willis B. Kirkpatrick, Scarsdale, and Myles Coen, Hartsdale, N. Y.
Application April 12, 1938, Serial No. 201,486
2 Claims. (Cl. 150—1.5)



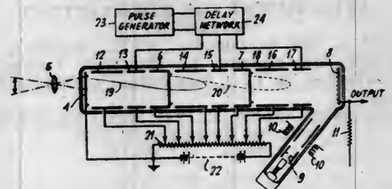
1. In combination, a main golf bag of durable construction suitable for transportation purposes, and a relatively light caddy bag of the same shape and of slightly smaller dimensions than the main bag adapted to fit within the main bag, said bags being of irregular cross-sectional shape permitting them to be nested in only one position and being tapered in a longitudinal direction with the smallest dimension at the bottom, a vertical series of staples on the outer wall of said caddy bag and a corresponding series of slots in the wall of said main bag in position to receive said staples and permit them to project out through said slots when the bags are nested together, and a shoulder strap and a handle having means for detachably engaging said staples for carrying purposes.

2,256,522
LEG CLAMP FOR CONTAINERS
Frank B. Lomax, Chicago, Ill.
Application October 21, 1939, Serial No. 300,676
2 Claims. (Cl. 248—151)

1. A clamping construction for embracing a thin hollow wall of a cylindrical container comprising a band embracing said wall and an outer clamping ring for disposition over and around said band, supporting means extending between said band and ring at spaced intervals, and means for tightening said ring to frictionally bind the same to said wall through said inner band whereby any marring or distorting pressure is applied to said band rather than to said thin wall, said supporting means comprising a plurality of spaced legs each provided with a part extending between said band and ring and being tightly clamped therebetween to secure said leg to the container.



2,256,523
ELECTRON MULTIPLIER
Hans Gerhard Lubszynski, Hillingdon, and William Stewart Brown, London, England, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application July 29, 1938, Serial No. 221,898
In Great Britain August 5, 1937
11 Claims. (Cl. 178—7.2)

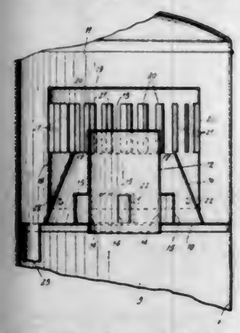


1. A method of amplifying an electron image of an object which comprises projecting the electron image past a plain secondary electron emitting electrode, producing an electron mirror and reflecting the electron image back onto the surface of the secondary emitting electrode with a velocity such as to cause the liberation of a greater number of secondary electrons than incident primary electrons, removing the electron mirror and subjecting the released secondary electrons to the action of an electron lens whereby the secondary electrons are accelerated and focussed onto a further electrode.

2,256,524
OIL AND GAS SEPARATOR
James F. McKelvey, Tulsa, Okla., assignor to Vulcan Steel Tank Corporation, Tulsa, Okla., a corporation of Oklahoma
Application May 2, 1940, Serial No. 332,991
7 Claims. (Cl. 183—2.7)

7. In a separator of the character described, a tank providing an oil reservoir in the lower portion thereof and a gas-accumulating space in the upper portion thereof, inlet means for said tank, a partition or deck in the upper portion of said tank forming thereabove a separator compartment, a duct providing an upward passage through said partition, one or more outlets from

said duct above said partition, flow-controlling guiding means in said compartment positioned outwardly of said duct and above said outlets and arranged to receive directly the outflow from said outlets and guide the same upwardly in said compartment and providing a gradually narrowing passage to increase the velocity of flow, said narrowing passage leading to a restricted outlet for



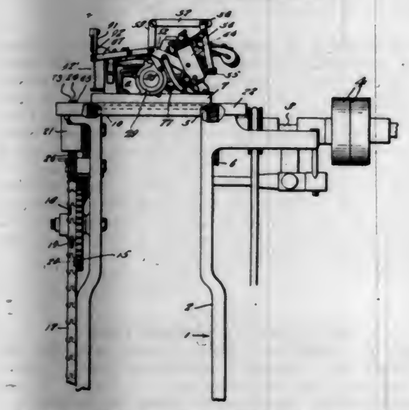
said controlling means, and baffle means in said compartment and above said last outlet in the path of flow therefrom positioned to intercept and extract liquid suspended in such outflow whereby the liquid-laden gas is caused to flow continuously upwardly through said compartment without downward flow.

2,256,525

ATTACHMENT FOR RIB KNITTING MACHINES

Lionel A. Morin, Laconia, N. H., assignor, by mesne assignments, to Hemphill Company, Pawtucket, R. I., a corporation of Massachusetts

Application October 23, 1931, Serial No. 570,733
Renewed December 14, 1935
9 Claims. (Cl. 66—9)



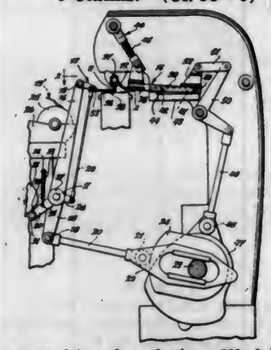
5. A circular knitting machine having cylinder and dial needles, means for feeding an elastic thread to the needles, and means for engaging the elastic thread and moving the same to a position to be engaged by the hooks of some of the needles, and other means for thereafter causing the elastic thread to be moved to such a feeding position that the said elastic thread is inlaid between the dial and cylinder needles.

2,256,526

BAG CLOSING MACHINE

Marcel A. Nicolas, Buffalo, N. Y., assignor to Consolidated Packaging Machinery Corporation, Buffalo, N. Y., a corporation of New York

Application April 8, 1939, Serial No. 266,726
9 Claims. (Cl. 93—6)



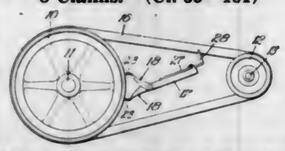
1. In a machine for closing filled bags; a row of adhesive carrying fingers and means to press said fingers against the surface of a filled bag whereby to apply spaced relatively narrow stripes of adhesive to such surface, said fingers being flexible and resilient whereby to permit the several fingers to conform to any irregularities of such surface; and means to form a closure by folding a portion of said bag into contact with said surface.

2,256,527

INDICATING DEVICE

Raymond M. Ring, Chicago, Ill.

Application June 17, 1939, Serial No. 279,773
8 Claims. (Cl. 33—181)



1. A device for indicating alignment or misalignment between a grooved pulley and a belt thereon, said device including a combination handle and body portion having a centering portion at one end thereof for engaging the groove in the pulley for centering the body portion with reference thereto, and means movably supported at the other end of said combination portion for engaging the belt and adapted to be centered thereon, said movable portion having an indicating portion therewith for indicating at the combination portion of the device the condition of alignment or misalignment as between said pulley and belt.

2,256,528

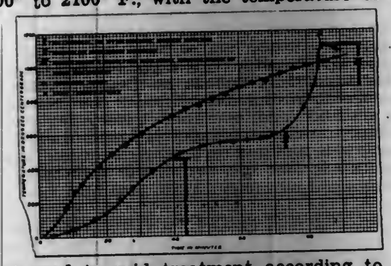
MATERIAL FOR POLISHING, CLEANING, OR THE LIKE AND METHOD OF MAKING THE SAME

Louis F. Rowe, Southbridge, and Carl G. Silverberg, Brookfield, Mass., and Alexis G. Pincus, State College, Pa., assignors to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts

Application May 1, 1939, Serial No. 271,210
8 Claims. (Cl. 51—307)

1. A material for use as a polisher, a cleanser, a purifier, a catalyst or a catalyst carrier or

other uses comprising a fine grained, non-toxic, non-staining material resulting from the heat treatment of a batch of kaolinic clay for a time interval sufficient to heat the individual particles of clay to a temperature ranging between 1000° to 2100° F., with the temperature of the



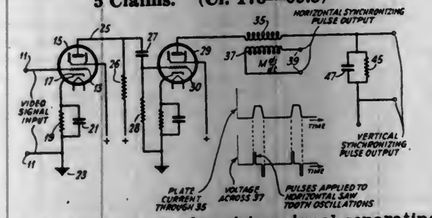
heat used in said treatment according to the particular batch of clay, being of a given amount within said range so as to be below the temperature point at which it will cause an appreciable portion of said clay to sinter into hard lumps and lose its effectiveness as a glass polisher as compared with rouge.

2,256,529

SYNCHRONIZING SIGNAL SEPARATOR CIRCUIT

Stuart W. Seeley, Bayside, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application October 6, 1938, Serial No. 233,552
5 Claims. (Cl. 178—69.5)



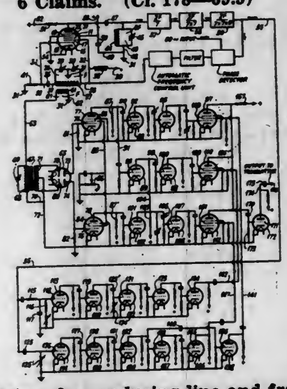
1. A television synchronizing signal separating system comprising a thermionic electron discharge tube having a cathode, a control electrode and an anode, means for maintaining said anode positive with respect to a point of fixed potential, a resistance connecting said cathode to said point of fixed potential, a condenser connected in parallel with said cathode resistance to determine and control the rate of change of potential of said cathode with respect to said point of fixed potential, means for applying television picture and line and frame synchronizing signals between said control electrode and said point of fixed potential with the synchronizing signals extending in a positive direction, said line and frame synchronizing signals having approximately the same amplitude but having different time durations, whereby synchronizing signals only will appear in the anode circuit of said tube, a second electron discharge tube including a cathode, a control electrode and an anode, means for applying synchronizing signals present in the anode circuit of said first tube to the control electrode of said second tube, means including a serially connected resistance and inductance for maintaining the anode of said second tube positive with respect to its cathode, a second inductive member magnetically coupled with said first inductive member, a condenser connected in parallel with said last named resistance, whereby short differentiated impulses may be produced across said second inductive member in response to line synchronizing impulses and whereby integrated impulses may be developed across said last named resistance and condenser combination in response to frame synchronizing impulses.

2,256,530

SYNCHRONIZING SYSTEM

Stuart W. Seeley, Bayside, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application October 6, 1938, Serial No. 233,553
6 Claims. (Cl. 178—69.5)



1. A system for producing line and frame synchronizing impulses for use in a television system comprising means for producing a substantially sine wave of electrical energy at line repetition frequency, means for deriving impulses of line synchronizing frequency from successive halves of like polarity of said produced sine wave, means for deriving from each half of said produced sine wave without regard to polarity a succession of uniform impulses at twice repetition rate of the first named produced impulses, means to produce a first series of impulses of frame synchronizing frequency, means to produce a second series of impulses of frame synchronizing frequency delayed with respect to said first series of impulses of frame synchronizing frequency, and means to control the transmission of the impulses of line synchronizing frequency and the impulses of twice line synchronizing frequency by the first and second series of impulses of frame synchronizing frequency.

2,256,531

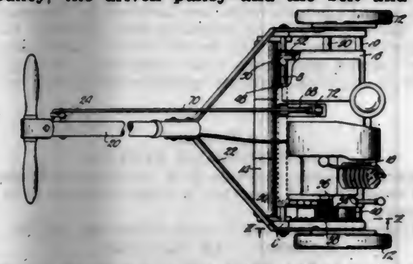
LAWN MOWER

Lloyd H. Squires, Olathe, Kans.

Application April 15, 1940, Serial No. 329,673
8 Claims. (Cl. 56—26)

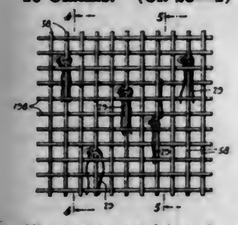
1. In a mowing machine of the character described having a frame, supporting wheels, and a cutting reel operably connected to the wheels, the combination of a driven pulley on the cutting reel; an engine provided with a drive pulley; an endless belt passing over the driven pulley and drive pulley to establish a direct drive between said engine and cutting reel; an engine carrier movably mounted on the frame; means for moving the carrier and engine to and from a normal position where the belt is taut enough to drive the cutting reel; and a guide and guard member for said belt rigid on the frame, said member

being formed to completely encase the drive pulley, the driven pulley and the belt and to



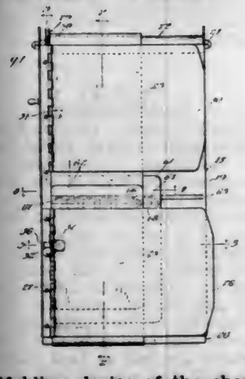
permit movement of the drive pulley as the engine and carrier are moved.

2,256,532
TYING MACHINE
Max Steiner, River Edge, N. J.
Application May 4, 1940, Serial No. 333,300
10 Claims. (Cl. 28—1)



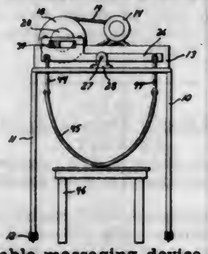
1. In a textile tying machine, in combination, means moving a yarn substantially in the direction of its length, means engaging said yarn intermediate its ends to form a knotted loop therein, means moving said yarn-engaging means substantially in the direction of movement of said yarn while said loop is being formed, means passing a thread through said loop, and means tensioning said yarn to cause said loop to form a knot holding said thread.

2,256,533
MANIFOLDING DEVICE
James A. Taggart, Chicago, Ill., assignor, by mesne assignments, to The Tri-Graph Company, Chicago, Ill., a corporation of Illinois
Application July 10, 1940, Serial No. 344,646
8 Claims. (Cl. 282—5)



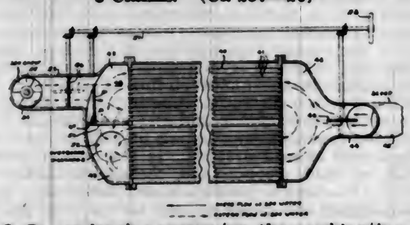
1. A manifolding device of the character described, including a supporting frame having a surface for supporting a movable inscription-copy-receiving web and a superposed carbon web and an inscription sheet thereon, a substantially flat plate-like member movably mounted upon said supporting frame for movement downwardly toward and upwardly away from the said supporting surface and adapted, when in lowered position, to overlie a portion of the said supporting surface, and serving as a hand rest for the writer and leaving a portion of said webs on the supporting surface extending beyond the plate member, and means under the control of said member and operable thereby for simultaneously moving the said inscription-copy-receiving web, and said carbon web a predetermined distance over the said supporting surface during each upward movement of said member.

2,256,534
MASSAGING DEVICE
Alex S. Tjaden, Edna, Tex.
Application February 26, 1940, Serial No. 320,745
1 Claim. (Cl. 128—63)



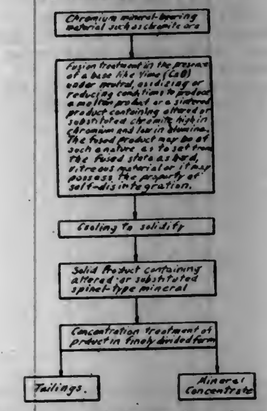
In a portable massaging device, the combination of an elevated platform, legs supporting said platform, an elongate arm pivoted intermediate its ends on the platform, a bearing connection at one end of the arm having an elongate opening, a bearing block mounted to slide in the opening of the connection, a disk journaled on the platform and having a dovetail groove extending diametrically across one side, a bolt adjustably confined in the groove of the disk and fastened therein, the bolt being pivotally connected to the sliding block, links each pivoted at one end to opposite ends of the arm, and a massaging belt pivoted at its ends to the links, whereby it hangs in a loop.

2,256,535
CONDENSER
Charles B. Tuley, Glenolden, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 6, 1937, Serial No. 167,510
3 Claims. (Cl. 257—26)



2. In condensing apparatus, the combination of a shell, a nest of tubes therein, a water box communicating with said tubes at one end, first conduit means communicating with said water box and including a scoop, first valve means for shutting off flow of water through said first conduit means, second conduit means communicating with one portion of the tubes at the second or opposite end, third conduit means having fluid translating means for effecting flow of water therethrough, and second valve means for selectively connecting a second portion of the tubes at said second end to either said second conduit means or said third conduit means, whereby, when the first valve means is open and the second valve means connects said second tube portion to said second conduit means, single pass flow of water through the condenser is effected by said scoop, and when said first valve means is closed and said second valve means connects said second tube portion to said third conduit means, two-pass flow of water through the condenser is effected by said scoop.

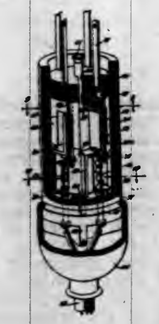
2,256,536
CONCENTRATING OF CHROMIUM-BEARING ORES
Marvin J. Udy, Niagara Falls, N. Y.
Application December 8, 1938, Serial No. 244,697
14 Claims. (Cl. 75—1)



1. The method of recovering chromium which comprises forming a charge comprising chromium-bearing material containing ferrous chromite and having alumina and silica associated therewith and a basic compound capable of substituting for the ferrous oxide of the ferrous chromite to displace the ferrous oxide from chemical combination with the chromic oxide of the ferrous chromite and form altered or substituted chromite, heating the charge to produce a fused product containing altered or substituted chromite formed by substitution of the basic compound for ferrous oxide of the chromite of the original chromium-bearing material, and subjecting the resulting product in solid, finely divided form to a concentration treatment to separate and recover a solid, finely divided concentrate comprising an altered or substituted chromite high in chromic oxide and low in alumina.

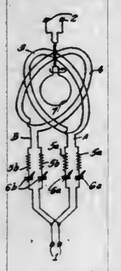
2,256,537
CIRCUIT BREAKER ATTACHMENT PLUG
William A. Wulle, Chicago, Ill., assignor, by direct and mesne assignments, to William A. Wulle, as trustee
Application March 16, 1939, Serial No. 262,106
12 Claims. (Cl. 200—115.5)

12. In a circuit-breaking attachment plug of the character described, a contactor movable to circuit-making and -breaking positions and having a metallic current-carrying contact-making part, tripping means operable under appropriate conditions to move said contactor to circuit-breaking position, a manipulating element engageable with said contactor to move the same for re-setting, said element being positioned to be between the body of the attachment plug and a socket with which it may be engaged and



mounted for movement outwardly from the attachment plug to a position to interfere with the socket while moving said contactor into circuit-closing position, and for movement inwardly to non-interfering position after re-setting, said element being disengageable from said contactor so that by such inward movement lost motion is positively introduced between said contactor and said manipulating element when said plug is engaged in a socket.

2,256,538
PHASE SHIFTING DEVICE AND CIRCUITS INCORPORATING THE SAME
Andrew Alford, New York, N. Y., assignor to Mackay Radio and Telegraph Company, New York, N. Y., a corporation of Delaware
Application October 10, 1939, Serial No. 298,770
14 Claims. (Cl. 178—44)



1. A quadrantal coupler for high frequencies which comprises two stator coils disposed perpendicular to each other on a common diameter, each coil having two adjacent and parallel windings lying on opposite sides of said common diameter, conductive shielding means substantially surrounding each winding of each such coil, said shielding means being discontinuous along a portion of its length, and a rotor coil disposed within said two stator coils and mounted for rotation about said common diameter.

2,256,539
ALTIMETER
Andrew Alford, New York, N. Y., assignor to Mackay Radio and Telegraph Company, New York, N. Y., a corporation of Delaware
Application October 19, 1939, Serial No. 300,165
7 Claims. (Cl. 250—1)



1. An arrangement for measuring distance by electromagnetic waves, comprising transmitter equipment for transmitting waves to a distant object, a modulator for periodically varying the frequency of said transmitter equipment over a predetermined range, said frequency varying at a constant rate over most of said range and at a varying rate over a portion of the range, receiver equipment for receiving waves directly from said transmitter equipment and waves reflected from said distant object, and means for rendering one of said equipments inoperative over said portion of the transmitter equipment frequency of varying range.

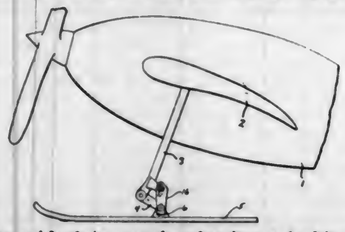
2,256,540
SKI TRIMMING LOCK
William Armstrong, New York, N. Y., assignor to The Dowty Corporation, Wilmington, Del., a corporation of Delaware
Application February 15, 1940, Serial No. 319,072
7 Claims. (Cl. 244—108)



1. In an airplane landing gear, an undercarriage strut, shock absorber means interposed between said strut and the airplane, a ski member pivotally mounted on the lower end of said strut, a fixed member associated telescopically with said strut, a latch plate carried by one of said members and having an opening, and a locking member fixedly carried by the other of said members and received within said opening, said locking member being relatively small compared to said opening, and said opening having a relative wide portion and having sides which converge from said wide portion towards said other of said members to form a narrow central portion which lockingly receives said locking member when said strut is extended.

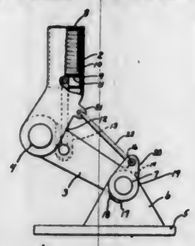
2,256,541
SKI TRIMMING LOCK
William Armstrong, New York, N. Y., assignor to The Dowty Corporation, Wilmington, Del., a corporation of Delaware
Application February 15, 1940, Serial No. 319,073
6 Claims. (Cl. 244—108)

1. In an airplane landing gear, a strut carried by the airplane, a lever pivoted at one end to said strut, a ski pivotally mounted at the other end of said lever, shock absorber means interposed between said strut and said lever and tending normally to move said lever and thereby said ski downwardly, and a trimming lock for said ski, said lock comprising a slotted locking plate member and a cooperating locking pin member received in the slot in said plate, the



slot in said plate member having a locking portion adapted to receive said pin member and to thereby lock said ski, one of said locking members being carried by said strut and the other of said locking members being rigidly carried by said ski.

2,256,542
SKI TRIMMING LOCK
William Armstrong, New York, N. Y., assignor to The Dowty Corporation, Wilmington, Del., a corporation of Delaware
Application February 15, 1940, Serial No. 319,074
9 Claims. (Cl. 244—108)

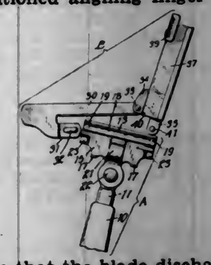


4

1. In an airplane landing gear, a strut carried by the airplane, a swinging lever pivotally mounted on said strut and normally assuming an angle thereto, a ski pivotally mounted on said lever, a member pivotally mounted on said lever about the pivotal axis of said ski, a stop rigidly carried on said member, a stop rigidly carried on said ski and adapted to abut against said stop on said member, and means for rotating said member to separate its stop from said ski stop when the airplane is on the ground and to cause said stops to engage one another when the airplane is in the air.

2,256,543
BLADE INJECTING DEVICE FOR SAFETY RAZORS
Zemach Auerbach, New York, N. Y., assignor to Magazine Repeating Razor Company, New York, N. Y., a corporation of New Jersey
Application October 26, 1940, Serial No. 362,946
4 Claims. (Cl. 30—40)

1. A blade injecting device for safety razors of the type provided with a blade holding channel and also with an aligning channel for the reception of the aligning finger of a blade injector, and in which the aligning channel is open at its ends, said device comprising a draw-bar provided at one end with a reversely directed aligning finger, a second aligning finger pivotally connected with the other end of the draw-bar and in one angular position of its pivotal motion extending toward the first-mentioned aligning finger, and a blade injector connected with the second-mentioned aligning finger in such rela-

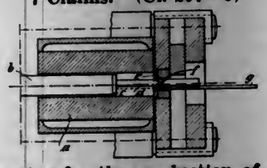


tion thereto that the blade discharge passage of the injector is in registry with the blade holding channel of the razor for the transfer of a blade, when the second-mentioned aligning finger is swung to the said angular position and when the respective fingers are projected into opposite ends of the aligning channel.

2,256,544
MANUFACTURE OF SALTS OF ALKYL ACRYLIC ACIDS
Joseph E. Bludworth, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application January 11, 1938, Serial No. 184,395
4 Claims. (Cl. 260—530)

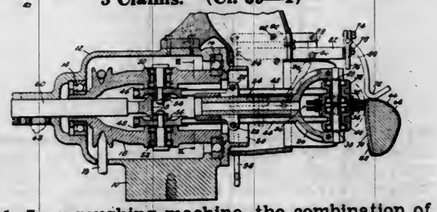
1. Process for the manufacture of alkali metal salts of alkyl-acrylic acids comprising heating an alkyl-acrolein with a strong solution of alkali metal hydroxide to form the alkali metal salt of the alkyl-acrylic acid.

2,256,545
APPARATUS FOR THE PRODUCTION OF TAPERED METAL SECTIONS BY EXTRUSION
Hans Bothmann, Aken, Germany, assignor, by mesne assignments, to Magnesium Development Corporation, a corporation of Delaware
Application November 28, 1939, Serial No. 306,492
In Germany August 5, 1938
7 Claims. (Cl. 207—6)



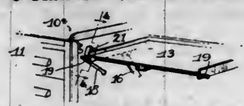
1. Apparatus for the production of articles by extrusion, which comprises a press cylinder adapted to receive a block of metal, a press ram registering with said cylinder and movable therein in an axial direction, a mandrel attached to the head of said press ram, a die at one end of said press cylinder and located opposite said press ram, said die being provided with an opening coaxial with said mandrel and adapted to receive and to guide said mandrel upon the movement of the press ram toward said die, a longitudinal recess provided in the peripheral wall of said mandrel and adapted to cooperate with the adjacent surface in the die-opening to define the cross-section of the articles produced by extrusion, the periphery of said mandrel having a series of bearing points adapted to register with the die-opening and so located as to oppose substantial displacement of the mandrel and die-opening from coaxial relationship during movement of said mandrel within said die-opening.

2,256,546
ROUGHING MACHINE
Charles G. Brostrom, Salem, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application December 16, 1939, Serial No. 309,604
5 Claims. (Cl. 69—1)



1. In a roughing machine, the combination of a power driven rotary housing, a tool carrier secured in the housing, a roughing tool journaled for rotation in the carrier about an axis perpendicular to the axis of rotation of the housing, a stationary gear concentric with the housing, a pinion meshed with said stationary gear and journaled for rotation in the housing, and power transmitting connections between the pinion and the roughing tool.

2,256,547
DROPHEAD TYPEWRITER DESK
John S. Burdick, North Muskegon, Mich., assignor to The Shaw-Walker Company, Muskegon, Mich., a corporation of Michigan
Application March 2, 1939, Serial No. 259,346
5 Claims. (Cl. 312—25)

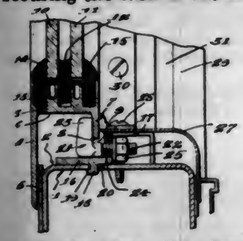


1. In a typewriter desk of the drop-head type, including spaced pedestals, a typewriter platform mounted between said pedestals and movable between a working position and a retracted position, pairs of inter-engaging guide members for said platform, one of each pair being fixed to said platform and the other to the associated pedestal, one guide member being a stud extending transversely to the travel of said platform and the other comprising means providing a slot in which said stud is guided, and a spring actuated member positioned to engage said stud when said platform is in working position, said spring actuated member being adapted to direct its pressure approximately at right angles to said stud and to said slot to hold said stud in said slot against transverse and longitudinal movement of said stud.

2,256,548
SASH AND SASH ATTACHING MEANS
Edward F. Chaffee, Syracuse, N. Y., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y., a corporation of New York
Application December 8, 1938, Serial No. 244,640
10 Claims. (Cl. 189—75)

1. The combination with a suitable window frame confining a window opening, of a sash formed with a peripheral channel at the edge

thereof, one side of the channel being a flange lapping one side of the frame around the window opening, the other side of the channel being a flange of less width than the former flange, the latter flange being located in the window opening and having its edge spaced from the frame, means for securing the sash in the frame includ-



ing a base extending into the channel between the edge of the flange of less width and the frame and attachable to the frame, and a clamping member carried by the base, the member extending through said space and coacting with the inner face of the flange of less width of the channel and operable to clamp the longer flange against the window frame.

2,256,549

IDENTIFICATION OF MATERIALS

Benjamin W. Collins, Swarthmore, Pa., assignor to American Viscose Corporation, Marcus Hook, Pa., a corporation of Delaware

No Drawing. Application November 25, 1938, Serial No. 242,282
4 Claims. (Cl. 106—165)

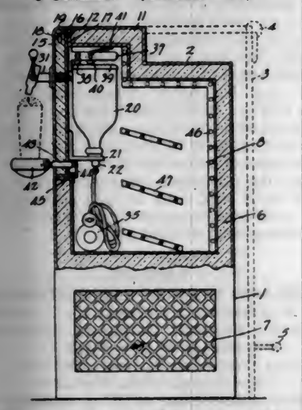
1. A cellulosic spinning solution for the production of cellulosic shapes containing, in an amount insufficient to change the perceptible general characteristics of the shape, of the order of less than 1200 parts per million parts of the shape, a material by which the shape may be identified comprising an oxide of a member selected from the group consisting of beryllium, zirconium, bismuth, tantalum, chromium, molybdenum and tungsten.

2,256,550

DISPENSING DEVICE

Donald Colvin, San Francisco, Calif.

Application September 26, 1939, Serial No. 296,532
6 Claims. (Cl. 225—17)



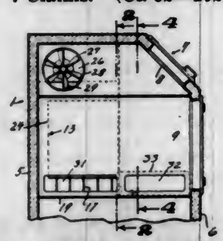
1. A distributing manifold comprising a conduit having elbows at the ends thereof, bottle stoppers mounted upon the elbows and adapted to receive the open necks of bottles, each stopper being hollow to provide a passage leading to the bottle, a dispensing faucet connected to said conduit, a second conduit having elbows secured upon the backs of the former elbows and in axial alinement therewith, extensions of the second elbows passing centrally through the first elbows and the stopper and communicating with the interior of the bottles, and means for admitting a pressure medium through the second conduit.

2,256,551

REFRIGERATION UNIT

Donald Colvin, San Francisco, Calif.

Application September 7, 1940, Serial No. 355,757
7 Claims. (Cl. 62—102)



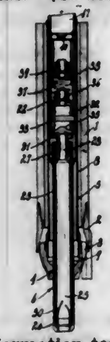
1. In a refrigeration unit, a storage compartment, an ice maker comprising a box open in the front and the rear, means for moving air to circulate through the unit in heat-exchange relation with the ice maker for cooling the storage compartment, and control means for selectively guiding the air around or through the ice maker box.

2,256,552

RETRIEVABLE FORMATION TESTER

Hugh E. Drake, Huntington Park, Calif.

Application March 19, 1940, Serial No. 324,809
12 Claims. (Cl. 255—1)



1. A retrievable formation tester adapted to be mounted in drill pipe comprising means releasably securing the formation tester in the drill pipe, a pump piston reciprocally mounted in the formation tester, and means to reciprocate said piston on rotation of the drill pipe.

2,256,553

TIRE CORD

Camille Dreyfus, New York, N. Y.

No Drawing. Application June 15, 1939, Serial No. 279,259
5 Claims. (Cl. 57—140)

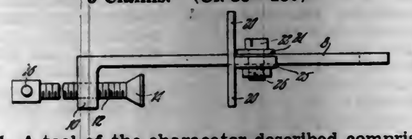
1. Tire cords of improved strength comprising cellulosic yarns having a hygroscopic liquid incorporated therein.

2,256,554

CARPENTER'S TOOL

Barnett Epstein, Richmond, Mass.

Application April 22, 1940, Serial No. 330,882
3 Claims. (Cl. 33—180)



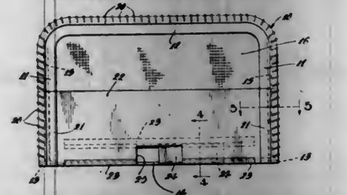
1. A tool of the characater described comprising in combination, a horizontally-extending straight-edge member having a substantially flat bottom surface for resting on a flat working surface and provided with a downwardly-depending lug portion, a screw in threaded engagement with said lug portion and rotatable relative thereto for moving in a horizontal plane therebelow, said member being provided with an elongated aperture therethrough, a vertically-extending plate member slidably mounted on the member for movement in a horizontal plane relative to said straight-edge member and provided with a horizontally-extending ledge-like portion provided with an opening therethrough in vertical alignment with said elongated aperture in the straight-edge member, and clamping means extending through both said aperture and opening and engageable with said ledge-like portion whereby said plate member may be secured in adjusted positions.

2,256,555

GAME APPARATUS

Stephen Foltin and Vernon E. Turner, Cleveland, Ohio

Application June 5, 1940, Serial No. 338,978
1 Claim. (Cl. 273—127)



An adjustable goal for game apparatus adapted to be played on a surface, comprising: a pair of spaced upwardly extending frame members joined by a connecting member spaced from said surface thereby forming an opening permitting a movable object to be advanced therebetween, a detachable barrier connecting said pair of frame members and extending at least partially the distance from said surface to said connecting member, the same being provided with a cut-out portion permitting said movable object to be advanced therethrough, guideways disposed horizontally along the back of said barrier along the top and bottom of said cut-out portion, and a gate slidable horizontally in said guideways for selectively covering and uncovering said cut-out portion, for the purposes described.

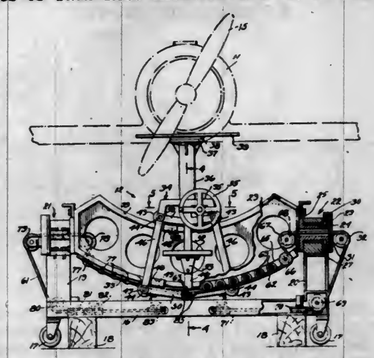
2,256,556

SUPPORT

James A. Gibbons, North Hollywood, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y., a corporation of Delaware

Application April 15, 1939, Serial No. 268,147
13 Claims. (Cl. 248—127)

11. Apparatus for moving an object about a plurality of axes comprising the combination of a member having a curved track thereon substantially concentric about an axis, trunnions on opposite sides of said member, bearings for supporting said trunnions for movement of said member about a horizontal axis substantially at right angles to said first mentioned axis, a carriage



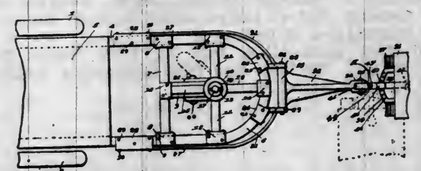
movable along said track and adapted to support an object, a pair of cables attached to said carriage and extending from opposite sides thereof for moving said carriage along said track, and means guiding said cables through said trunnions and axially thereof.

2,256,557

STEERING COUPLING MECHANISM

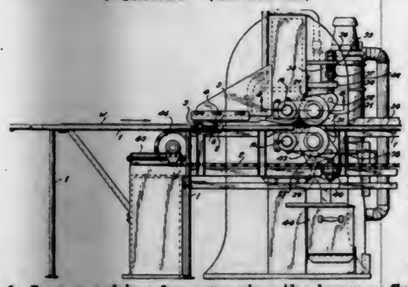
Alex H. Gustin, Jr., Rosalia, Wash.

Application August 30, 1940, Serial No. 354,863
1 Claim. (Cl. 280—62)



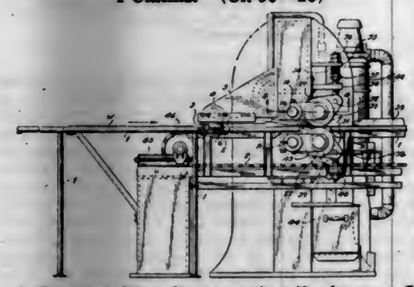
A fixed alinement steering and draft coupling for a heavy duty three wheeled trailer with a supporting wheel in front and having a main frame disposed at a relatively high elevation and a tractor provided with a horizontally supported laterally swinging draw-bar disposed at a relatively low elevation with respect to said main frame, comprising, a drop frame rigidly secured to the front of said main frame and having spaced depending arms provided with pivot openings at substantially the level of the draw-bar, a T-shaped tongue having a transverse sleeve on its rear end extending laterally of the longitudinal axis of said tongue and pivoted in said openings on a horizontal axis between said arms and held thereby in fixed alinement with the longitudinal axis of said main frame, said drop frame having members rigidly attached to said main frame rearwardly from said supporting wheel and adapted to sustain stresses in tension and compression, and means pivotally connecting the front end of said tongue with the draw-bar and having portions structurally holding said tongue and draw-bar in fixed alinement during advancing steering and backing-up movement, and said front wheel being a castor wheel and being swivelled to said frame and free to assume any trailing position under stress imposed by various movements of said trailer.

2,256,558
FLASH REMOVER
Delmar S. Harder, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 22, 1939, Serial No. 285,845
6 Claims. (Cl. 90—21)



1. In a machine for removing the burr or flash from welded metal sheets, a milling cutter and roll set comprising a pair of conveyor chains, means for removing the flash and burr, vises on the conveyor chains for gripping the welded sheets to pull the same through the burr removing means, drive connections for the chains and means for advancing one chain with respect to the drive connections and to the other chain for the purpose of giving a different position to the vises to handle work when the weld is not perpendicular to the end of the work sheet.

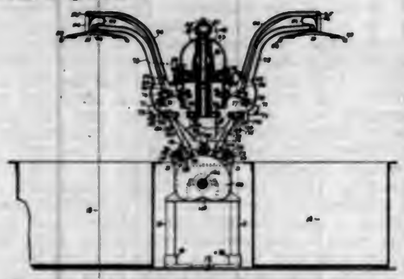
2,256,559
FLASH REMOVER
Delmar S. Harder, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Original application July 22, 1939, Serial No. 285,845. Divided and this application August 14, 1940, Serial No. 352,501
4 Claims. (Cl. 90—16)



1. In a machine for removing the burr or flash from welded metal sheets, a milling cutter and roll set comprising a shaft on which a pair of rolls are journaled to rotate freely and a milling cutter keyed to the shaft between the rolls.

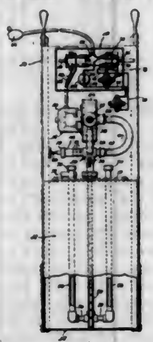
2,256,560
ELECTROPROCESSING MACHINE
Albert H. Hannon, Springfield, Ohio
Application July 17, 1936, Serial No. 91,169
20 Claims. (Cl. 204—205)

1. In combination in an electroprocessing machine, a tank, a work carrier comprising a parallelogram linkage member, means for moving the work carrier horizontally with respect to the tank with the work carrier both lowered into the tank and raised above the tank, means for moving the work carrier vertically with respect to the tank, and means responsive to the horizontal travel of said work carrier in its lowered condition to a predetermined horizontal position for rendering said horizontal moving means inoperative while rendering said raising means operative and responsive to the arrival of said work carrier at a predetermined vertical position for again rendering said horizontal moving means operative while rendering said vertical moving means inoperative.



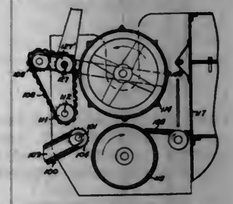
16. In combination in an electroprocessing machine, a tank, a work carrier, a conveyor for conveying said work carrier along said tank, a lifter arm for raising and lowering said work carrier, a contact pad on said lifter arm for engaging said work carrier, and parallel link means pivotally attached to said contact pad and pivotally anchored remote from said contact pad to a stationary support for maintaining said contact pad in successively parallel positions during the operation of said lifter arm.

2,256,561
EXTERMINATOR
Otto Hoelscher, Detroit, Mich.
Application January 8, 1941, Serial No. 373,535
11 Claims. (Cl. 43—147)



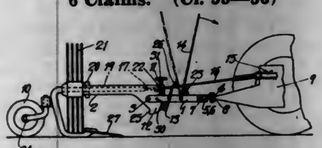
1. In an exterminating device, a sealed container for supporting a quantity of powdered insecticide therewithin, a pair of conduits extending into said container and being in communication with the interior thereof and interconnected within said interior, a third conduit extending into said container and also being in communication with said interior, pump means having a pressure-developing section in communication with said third conduit and a suction-developing section in communication with said pair of conduits, and outlet means for said pump means.

2,256,562
HARVESTER AND FEEDER
William A. Johnson, Springfield, Ill., assignor, by mesne assignments, to The Ohio Cultivator Company
Application July 22, 1938, Serial No. 220,621
2 Claims. (Cl. 214—17)



1. In a machine of the class described, a chamber having an inlet port, a drum mounted adjacent said port, and means for driving said drum to urge material to and through said port, said drum being provided on its peripheral surface with two series of ribs, one series adjacent each end of the drum, each rib of each series extending from a point adjacent an end of the drum rearwardly, with respect to the direction of rotation of the drum, toward the median plane between the ends of the drum.

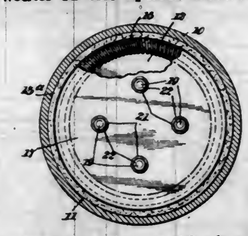
2,256,563
ROOT HARVESTING MACHINE
Heinrich Kamplade, Mannheim, Germany, assignor to Heinrich Lanz Aktiengesellschaft, Mannheim, Germany
Application January 13, 1939, Serial No. 250,669
In Germany January 17, 1938
6 Claims. (Cl. 55—56)



1. A root harvester adapted to be operated by a tractor, said harvester having a folding frame including two frame members and a hinge means foldably interconnecting said two members, a substantially horizontally positioned pin member swingably interconnecting one of said frame members and the tractor, said hinge means and said pin member being adapted to secure folding of said frame and swinging of said harvester relatively to the tractor in a substantially vertical plane and to prevent movement of said harvester relatively to the tractor in a plane parallel to the ground, and a support wheel laterally swingably and vertically unmovably connected with the other of said frame members for supporting the rear end of said folding frame and limiting the swinging motion of said frame.

2,256,564
SPRING EXPANDER
Burr Ward Mantle, Pittsford, N. Y., assignor to The American Brake Shoe & Foundry Company, a corporation of Delaware
Application July 19, 1939, Serial No. 285,462
1 Claim. (Cl. 309—34)

A spring expander unit for urging a flexible sealing medium into intimate contact with the circular wall with which a seal is to be effected, said unit being comprised of a continuous helical spring means, and a rigid ring entirely embraced by said helical spring means and formed of rod or bar material having a sectional width greater than the width of the spaces between the convolutions of said spring, said ring being of a diameter to prevent said spring means from expanding to the full internal diameter of said circular wall, thereby permitting maximum wear of the sealing medium without scoring said wall.



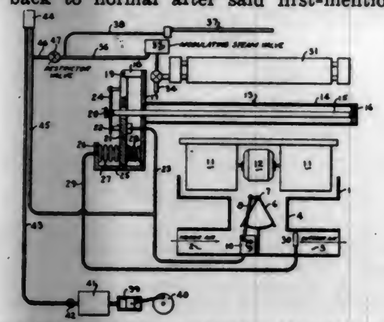
2,256,565
UNLOADING DEVICE
Burr Ward Mantle, Pittsford, N. Y., assignor to The American Brake Shoe & Foundry Company, a corporation of Delaware
Application September 30, 1939, Serial No. 297,215
19 Claims. (Cl. 230—31)

1. In combination, an electric motor driven pump, a tank, a conduit between the discharge port of said pump and said tank, a check valve in said conduit, a magnetic valve having a body with a passage extending therethrough, a movable valving member therein and having a plunger of ferrous material extending laterally therefrom, an actuating winding supported on said body for said plunger, said actuating winding being connected in series with the starting winding of said motor, means for connecting said motor to a source of current, said valve being normally closed and adapted to open when said motor draws a current greater in value than its normal running current, and a second conduit connected to said valve and said first conduit between said discharge port and said check valve, whereby said first valve will permit said pump to discharge into the atmosphere when said motor draws current greater than normal as aforesaid.

2,256,566
AIR CONDITIONING APPARATUS
John McElgin, Philadelphia, Pa., assignor to John J. Nesbitt, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application May 3, 1939, Serial No. 271,551
4 Claims. (Cl. 236—38)

2. A ventilating unit comprising a casing having a recirculated air inlet, a fresh air inlet and a mixed air outlet, the recirculated air being of substantially constant temperature, means including a thermostat responsive to the temperature of the mixed air within the casing for maintaining a fixed proportion of fresh air and recirculated air passing through said inlets, an

additional thermostat for modifying the control point of the first-mentioned thermostat and responsive to the temperature of the fresh air, and means for bringing the temperature of the mixed air back to normal after said first-mentioned



means has operated to maintain said fixed proportion of fresh and recirculated air whereby the air leaving the unit through said outlet is at a uniform temperature and contains fresh air in a fixed proportion.

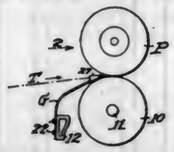
2,256,567
WELL PUMP
Charles F. Moseley, Bartlesville, Okla.
Application February 2, 1940, Serial No. 317,031
3 Claims. (Cl. 103—179)



1. In combination with a tubing of an oil well, a pump housing secured to the lowermost section thereof, a plunger arranged for reciprocating movement through the uppermost portion of the housing, a travelling valve cooperating with the plunger, an inlet valve disposed below the plunger, said housing surrounding the inlet valve and adapted to telescope therewith, and means for supporting the inlet valve separate from the housing to prevent stretching of the tubing by the weight of the displaced oil.

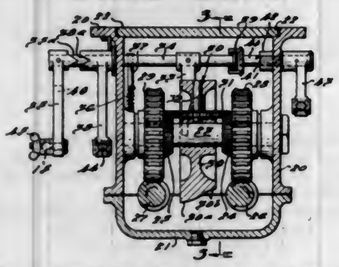
2,256,568
THREAD GUIDE
Harmon O. Nelson, Whitinsville, Mass., assignor to Whitin Machine Works, Whitinsville, Mass., a corporation of Massachusetts
Original application July 25, 1939, Serial No. 286,414. Divided and this application September 20, 1940, Serial No. 357,525
2 Claims. (Cl. 242—157)

1. A thread guide formed of a single piece of metal and having integral thickened thread-engaging end portions provided with highly polished adjacent faces, said end portions being laterally separated by an elongated slot and being displaceable toward and away from each other to vary



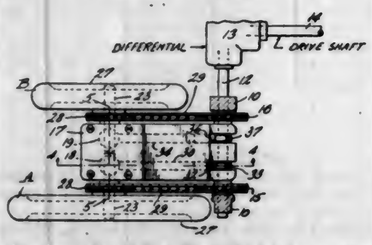
the distance apart of said polished faces and the width of the thread-guiding slot, and said end portions being held in fixed spaced relation to each other by extraneous metal applied thereto.

2,256,569
SYNCHRONIZING DEVICE
James A. Kennedy, Ann Arbor Township, Washtenaw County, Mich.
Application June 3, 1940, Serial No. 338,668
12 Claims. (Cl. 60—97)



1. In a device for synchronizing two engines having speed controlling members, said device including a shaft, two gears rotatively mounted on said shaft, means drivingly connecting said gears to said engines for rotation in opposite directions, an eccentric mounted on said shaft intermediate said gears, and a connecting gear carried by said eccentric and operatively engaging both of said first gears and adapted to revolve bodily for rotating said eccentric when said gears rotate at different speeds.

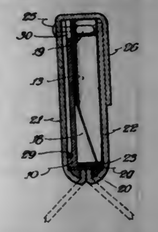
2,256,570
TRACTION DEVICE
John Kopczynski, Buffalo, N. Y., assignor of one-half to Dr. Phillip Ament, Buffalo, N. Y.
Application October 17, 1940, Serial No. 361,520
9 Claims. (Cl. 180—7)



1. An improved traction device for vehicles comprising a pair of wheels disposed side by side, an individual support on which each wheel is rotatably mounted, a driving member, means mechanically connecting said member with each

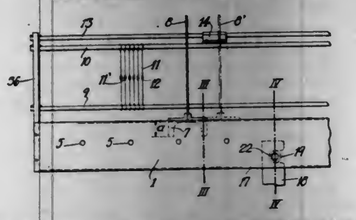
of said wheels to rotate the latter, means mounting each of said supports for individual vertical movement while said wheels remain connected to said member to be driven thereby, means operable by an individual upward movement of each of said supports for causing a simultaneous downward movement of the other of said supports, each of said wheels having its ground-engaging periphery of oblate circular shape, with the longer axes of said wheels extending in directions crosswise of one another in parallel planes.

2,256,571
COIN HOLDER
Frank W. Norton, Chicago, Ill.
Application January 4, 1939, Serial No. 249,273
1 Claim. (Cl. 150—37)



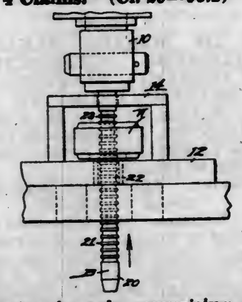
A container comprising a rigid body member, provided with means for receiving articles to be retained, there being a groove in said body member; and a flexible cover for said body member formed in two parts, having their edges arranged adjacent to each other and inserted and secured in said groove, said cover parts being bent in opposite directions from said groove and extended around said body member to enclose the same.

2,256,572
HEALD FRAME
Erwin Pfarrwaller, Winterthur, Switzerland, assignor to Tefag Textil-Finanz A. G., Winterthur, Switzerland
Application February 20, 1939, Serial No. 257,368
In Switzerland March 5, 1938
15 Claims. (Cl. 139—92)



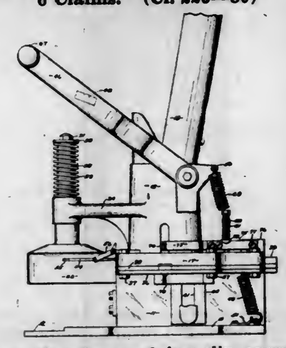
1. In a loom for weaving, a plurality of adjacent heald frames, each frame comprising a heald shaft, healds, a plurality of filing rails for filing said healds thereon, a plurality of posts uprightly connected with said shaft and being displaceable in the direction of the longitudinal axis of said shaft and laterally displaceably carrying and definitely maintaining the distance between said filing rails, and an additional rail disposed above the uppermost of said filing rails and carrying a plurality of guide members which are displaceable in the direction of the longitudinal axis of said frame and slidingly contact the posts of the adjacent heald frames.

2,256,573
STRIPPING BROACH
Wilrose J. Phaneuf, Hudson, Mass., assignor to The Lapointe Machine Tool Company, Hudson, Mass., a corporation of Maine
Application March 10, 1941, Serial No. 382,617
4 Claims. (Cl. 29—95.1)



1. A stripping broach comprising a series of axially successive cutting members progressively increasing in diameter and having front cutting edges only, and a series of stripping members aligned with said cutting series, each stripping member having both front and back cutting edges and each stripping member being effective to cut in both directions of travel of said broach.

2,256,574
MACHINE FOR APPLYING SLIP COVERS TO CONTAINERS
John F. Price, Fulton, N. Y., assignor to Oswego Falls Corporation, Fulton, N. Y., a corporation of New York
Application June 23, 1939, Serial No. 280,825
6 Claims. (Cl. 226—80)



1. A machine for applying slip covers to containers comprising a frame, means for supporting a plurality of said covers in stack formation, a container support, a cover applying head slidably mounted in the frame and operable to apply a cover positioned therein to a container on said support, a shuttle slidably mounted in the frame below said stack formation and operable upon movement toward said head to transfer the lowermost cover of said stack formation to said head, cover gripper members arranged adjacent the bottom portion of said stack formation and being movable radially thereof into and out of engagement with the cover next above the lowermost cover of said stack formation, cam means carried by said shuttle and being cooperable with said gripper members upon axial movement of said shuttle to move said gripper members into

engagement with the cover next above said lowermost cover and move the same upwardly out of engagement with said lowermost cover and to subsequently release said upper cover upon transfer of said lowermost cover from said stack formation.

2,256,575

PROCESS OF MAKING ALKALI METAL FORMALDEHYDE SULPHOXYLATE DIAMINO DIPHENYL SULPHIDE OR SULPHONE REACTION PRODUCTS

George W. Raizss, Le Roy W. Clemence, and Morris Freifelder, Philadelphia, Pa., assignors to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois

No Drawing. Application May 25, 1938, Serial No. 209,986
1 Claim. (Cl. 260—500)

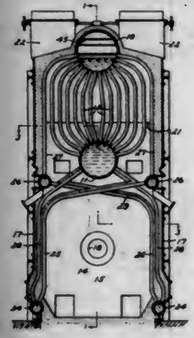
The method of forming a stable reaction product of alkali metal formaldehyde sulphoxylate and one of the group consisting of diamino diphenyl sulphide and diamino diphenyl sulphone, which comprises refluxing the alkali metal formaldehyde sulphoxylate and one of said diamino diphenyl sulphur compounds in an alcoholic reaction medium.

2,256,576

STEAM GENERATOR

Gustav A. Behm, Worcester, Mass., assignor to Riley Stoker Corporation, Worcester, Mass., a corporation of Massachusetts

Application December 19, 1939, Serial No. 309,974
5 Claims. (Cl. 122—347)



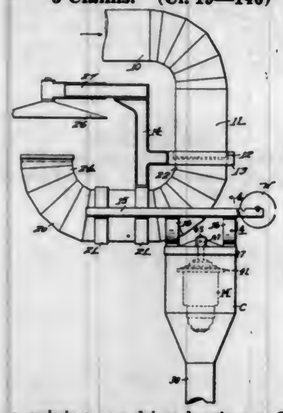
1. A steam generator comprising walls providing a setting shaped to form a combustion chamber in the lower portion thereof, a longitudinal water drum above the combustion chamber, a longitudinal steam-and-water drum above the water drum, a bank of water tubes connecting the drums, rows of upright water wall tubes on opposite sides of the combustion chamber, the water wall tubes being bent laterally to provide portions which cross beneath the water drum and protect the same from radiant heat, two longitudinal headers located on opposite sides of the water drum, the upper ends of the water wall tubes being connected to the headers, rows of water tubes extending upwardly from the headers in cooling relation to the adjacent side walls of the setting and entering the steam-and-water drum on opposite sides thereof, and means to conduct hot gases from the combustion chamber into contact with the said bank of water tubes.

2,256,577

MACHINE FOR MIXING TEXTILE FIBERS

Leland F. Remington, Worcester, Mass., assignor to Curtis & Marble Machine Company, Worcester, Mass., a corporation of Massachusetts

Application May 13, 1940, Serial No. 334,822
3 Claims. (Cl. 19—146)



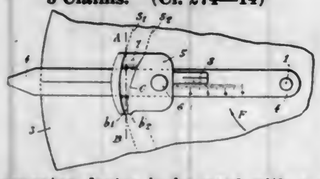
3. In a mixing machine having a fixed supply pipe, a rotating distributor pipe and a deflecting plate, that improvement which comprises providing a fixed vertically extending supporting frame, an electric motor suspended within the upper portion of said frame with its axis vertical and having a peripheral flange resting on and secured to supporting portions within said frame and substantially below the top surface thereof, said frame being arranged circumferentially about said motor, a bearing mounted on top of said frame for supporting the rotatable structure which comprises the distributor pipe and its associated parts, the axes of said motor and of said rotatable structure being aligned with each other, and a direct driving connection between the driving shaft of said motor and said rotating structure.

2,256,578

TALKING MACHINE

Joseph Louis Routin, Paris, France

Application June 25, 1938, Serial No. 215,789
In France July 2, 1937
5 Claims. (Cl. 274—14)



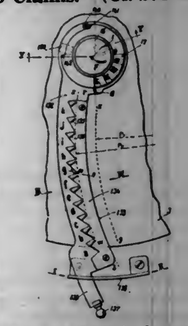
2. A repeater device to be used with a sound-reproducing machine having a rotary table supported and driven by a spindle projecting above the table, the table carrying a spirally grooved record disc along in its rotation, a liftable reproducer including a needle for engagement in the grooves of the disc during recording, said repeater device comprising an elongated narrow strip longer than the radius of the disc extending generally radially of the disc and having one end thereof provided with an opening pivotally engaging the spindle and having its other end formed with a handle to be grasped by the operator to permit raising it and swinging it about its pivot, at will, means for supporting said handle end of the strip, first, in a position in which it supports the reproducer with its needle raised off the disc, and second, in a position, during reproduction, entirely free of the grooved portion of the record and the reproducer and its needle, said strip having a series of transverse grooves in its upper face extending substantially the width of the grooved portion of the record disc, said grooves comprising guiding means cooperating with a part on the reproducer whereby to lift the needle off the record and move it back, each of said grooves having flaring sides and being disposed one after the other lengthwise of the strip and having their adjacent flared sides intersect along one margin of the strip and their narrow ends arranged in spaced relation along the other margin of the strip, the grooves permitting, by proper manipulation of the strip, the repetition of any selected short or long portion of the record.

2,256,579

REPEATING DEVICE FOR "GRAMOPHONES"

Joseph Louis Routin, Paris, France

Application February 1, 1940, Serial No. 316,713
In France February 7, 1939
5 Claims. (Cl. 274—14)



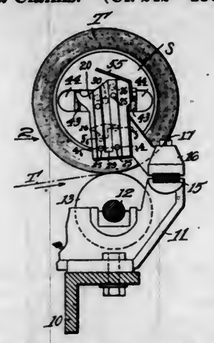
1. In a repeater device to be used with a sound reproducing machine including a casing, a driven rotary table supported thereon by a vertical spindle having its upper end projecting above the table, a record disc having a central hole therethrough to receive said spindle and a spiral sound track on the face thereof and supported on said table for rotation therewith, a reproducer carrying a needle for engagement with the sound track of the record, said reproducer and needle being mounted on said casing for horizontal movement on an arc across the face of the record and for vertical movement to lift the needle off the record, the combination of a lifting rod carried by the reproducer and having its free end movable on an arc of greater radius than the arcuate path of the needle and located some distance above the record, and a thin, narrow strip having a socket in one end thereof into which the spindle of the rotary table is adapted to extend and having its other end extending beyond the disc and providing a handle to be grasped by the operator, the margin of said strip toward the needle being disposed on an arc generally concentric with the arc of movement of the needle but of a radius intermediate the length of the radii of the arcs through which the needle and the free end of the lifting rod, respectively, move, the strip having a plane top face along said arcuate margin and for some distance laterally thereof, a series of grooves having their bottoms depressed below the plane top face of the strip and each tapering to an apex toward said margin but terminating some distance short of said margin, the apices of said grooves being arranged on an arc generally concentric to the arcuate margin, said grooves extending generally transversely of the strip and radially outwardly inclined toward said margin and a series of shallow striations in said top face between said grooves, each striation extending from a closed end adjacent the apex of a groove transversely on a radially outward inclination to its opposite end opening into the adjacent radially outer groove, the grooves and striations cooperating with the free end of the lifting rod, by proper manipulation of the handle end of the strip, to lift the needle off the record, move it back and lower it on the record, thereby permitting any desired part of the record to be repeated at will.

2,256,580

GUIDE SUPPORT FOR WINDING SPOOL

Otto W. Schlums, Whitinsville, Mass., assignor to Whitin Machine Works, Whitinsville, Mass., a corporation of Massachusetts

Original application March 18, 1939, Serial No. 262,687. Divided and this application June 3, 1940, Serial No. 338,483
2 Claims. (Cl. 242—130)



1. In a winding machine, a plurality of winding spools each having a shaft on which the spool is mounted, and a plurality of guide supports for said spool shafts, each support guiding the adjacent ends of two spool shafts and each support comprising a stand having a guide groove in one side, a grooved guide plate loosely mounted in the recessed other side of said stand, a plurality of spaced compression springs operative to move said plate toward the end of an associated spool shaft, and a plurality of spaced headed studs fixed in said stand and which position said plate and limit outward movement thereof.

2,256,581

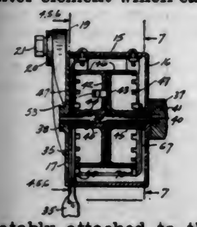
MECHANICAL COUNTER

Lloyd S. Roberts, Denver, Colo.

Application June 10, 1940, Serial No. 339,757
1 Claim. (Cl. 235—144)

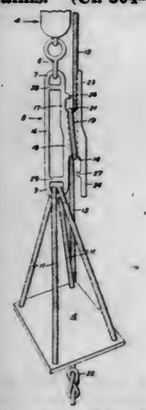
A counter comprising in combination, a housing, bearings on opposite sides thereof, a shaft extending through the housing with its ends journaled in the bearings, a pair of counter elements positioned in the housing and supported by the shaft, a projection extending inwardly from one side of the housing wall, the counter element adjacent the projection having an opening, a pawl movably attached to the other counter element in position to project through

the opening and engage the stop when the two counter elements are in a predetermined position, the counter element which carries the pawl



being nonrotatably attached to the shaft, and means positioned outside of the housing for rotating the shaft to bring the pawl into engagement with the stop.

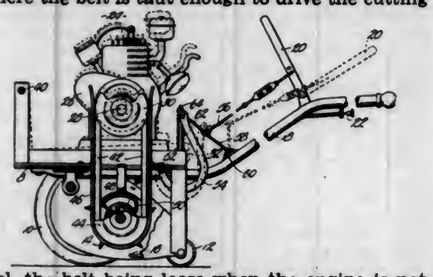
2,256,582
SAFETY LINK
Ed L. Sorensen, Albany, Calif.
Original application July 5, 1939, Serial No. 282,842, now Patent No. 2,245,878, dated June 17, 1941. Divided and this application December 10, 1940, Serial No. 369,440
4 Claims. (Cl. 304—32)



1. A safety link, comprising a relatively short rigid body member, means whereby a tackle or the like may be connected to one end of said body member, means whereby a boatswain's chair or the like may be connected to the other end of said body member, a snubbing member disposed on a side of said body member and around which the hauling line of said tackle may be looped, and a pair of substantially oppositely disposed arms on said snubbing member for retaining said hauling line on said snubbing member, said arms being disposed at an angle to the plane of said body member.

2,256,583
POWER LAWN MOWER
Lloyd H. Squires, Olathe, Kans.
Application August 3, 1939, Serial No. 288,137
8 Claims. (Cl. 56—26)

1. In a power mower of the character described having a frame, a handle for the operator, supporting wheels, and a cutting reel operably connected to the wheels, the combination of a driven pulley on the cutting reel; an engine provided with a drive pulley; an endless belt passing over the driven pulley and drive pulley to establish a direct drive between said engine and the cutting reel; an engine carrier swingably mounted on the frame; and means extending along the handle to within reach of the operator for moving the carrier and engine to and from a normal position where the belt is taut enough to drive the cutting



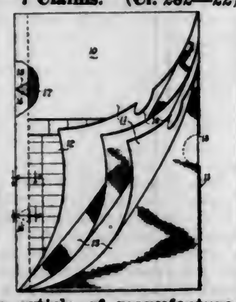
reel, the belt being loose when the engine is not in said normal position, to cause the engine to run without driving the cutting reel.

2,256,584
ORNAMENT
Reginald C. Steeple, San Mateo, Calif.
Application December 6, 1939, Serial No. 307,791
8 Claims. (Cl. 41—10)



8. A hanging ornament comprising half-portions of predetermined configuration extending upwardly from an intermediate fold to position the half-portions back to back, said half-portions being spaced apart adjacent the fold and converging upwardly toward a point of support, suspension means, and means at said point for fastening the half-portions together and securing the same to the suspension means.

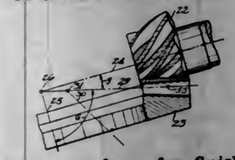
2,256,585
MANIFOLDING STATIONERY
Milton C. Stern, Dayton, Ohio, assignor to The Egry Register Company, Dayton, Ohio, a corporation of Ohio
Application April 12, 1940, Serial No. 329,339
7 Claims. (Cl. 282—22)



1. As an article of manufacture, a manifold stationery packet comprising superimposed sheet forms having interleaved carbon sheet material, said carbon sheet carrying a plurality of spaced perforated pasting tabs secured to adjacent sheet forms along the margin and at one side of said sheet forms, said sheet forms having a cutaway

portion along the opposite margin whereby said carbon sheet can be grasped and detached from said securing tabs and said manifold packet after use.

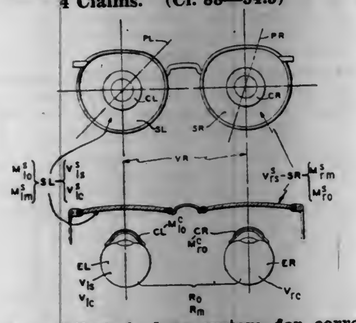
2,256,586
TOOL FOR FINISHING TAPERED GEARS AND METHOD OF FINISHING SUCH GEARS
Ernest Wildhaber, Rochester, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Application April 13, 1933, Serial No. 665,949
34 Claims. (Cl. 90—1.6)



1. A tool of gear form for finishing tapered gears, said tool being adapted to mesh with a tapered gear with its axis offset from and angularly disposed to the axis of the tapered gear, said tool having teeth curved longitudinally along circular arcs in development and tooth surfaces of approximately the same normal pressure angle on both sides of the teeth at any point along the tooth length.

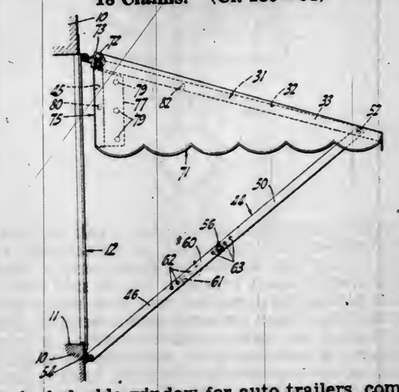
15. The method of finishing a tapered gear which comprises meshing a tool of tapered gear form with the tapered gear with the axis of the tool offset from the axis of the tapered gear and with the apex of the tool lying on a line passing through the apex of the gear and parallel to a tangent to the tooth surface of the gear at a mean point of contact between the tool and gear, and rotating the tool and gear together.

2,256,587
CORRECTING OCULAR DEFECTS
Adelbert Ames, Jr., and Kenneth N. Ogle, Hanover, N. H., assignors to Trustees of Dartmouth College, Hanover, N. H., a corporation of New Hampshire
Application June 10, 1937, Serial No. 147,442
4 Claims. (Cl. 88—54.5)



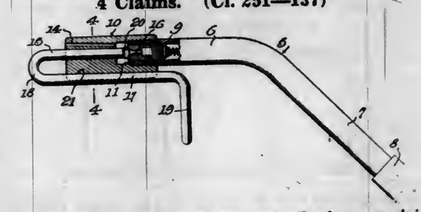
3. An ophthalmic lens system for correcting the combined dioptric and eikonic defects of a pair of eyes as defined by measured dioptric test corrections and measured ratios of ocular image sizes in given corresponding meridians of the eyes, said system comprising contact lens means for at least one eye having an annular sclerotic portion contacting the eyeball, a vaulted corneal solid lens portion joined to said annular portion, and a fluid lens portion between the cornea and said solid portion; a spectacle frame; and spectacle lens means having surfaces positioned by said frame at a substantially fixed distance from the respective eyes; the indices of refraction, surface curvatures and thicknesses of said solid and fluid lens portions of said contact lens means and the indices of refraction, surface curvatures, thicknesses and distances from the eyes of said spectacle lens means together substantially effecting said dioptric test corrections for the respective eyes and producing in said meridians image magnification ratios which with said dioptric corrections and said measured ratios provide in said meridians image size ratios of substantial unity.

2,256,588
AUTOMOBILE TRAILER WINDOW
Robert Beaman, Lackawanna, N. Y., assignor of one-half to Burnwell Corporation, Buffalo, N. Y., a corporation of New York
Application June 8, 1940, Serial No. 339,511
18 Claims. (Cl. 189—64)



1. A double window for auto trailers, comprising a pivoted trailer window, a storm window arranged in nested relation with the trailer window and pivotally mounted adjacent the upper edge of said trailer window, foldable brace means pivotally carried by said storm window and attachable to said trailer for holding said storm window in its open position, an awning rod carried by said storm window, and awning arms carried by said storm window adjacent said rod, said brace means comprising inner and outer extension links, and locking means carried by said links and said arms, whereby they may be locked when folded in nested position within said storm window.

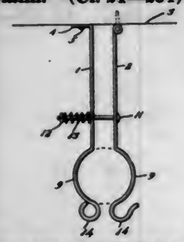
2,256,589
AIR DISCHARGE NOZZLE
Alfred R. Bryant, Bloomington, Ind.
Application April 2, 1940, Serial No. 327,517
4 Claims. (Cl. 251—137)



1. A device of the class described comprising an air-conducting element, a forwardly closing

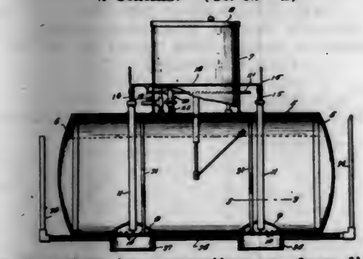
valve within the front portion of said air-conducting element, an air discharge nozzle connected with the front end of said air-conducting element and having a longitudinal bore, and a valve-opening trigger slidably carried by said nozzle, said trigger comprising a valve-opening rod slidable in said bore and having its rear end disposed in abutting relation with said valve, a pull rod at the exterior of said nozzle, a connecting portion rigidly connecting the front ends of the two rods, and a finger-engaging portion on the rear end of said pull rod, the outer side of said nozzle being provided with a longitudinal groove in which said pull rod is slidable.

2,256,590
HOLDER FOR BROOMS
Jacob Folkestad, Big Stone City, S. Dak.
Application September 23, 1940, Serial No. 357,991
1 Claim. (Cl. 24—254)



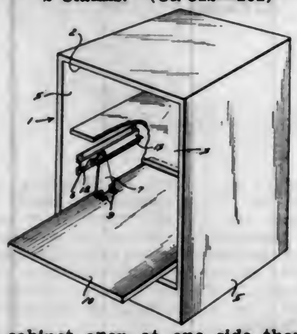
A holder for brooms comprising a pair of elongated members of strap metal for attachment to a wall or the like to extend therefrom in side by side spaced apart relation, one of said members having a right angled rear end screw accommodating flange for rigid attachment to said support, and the other member having a rear end hinge for attachment to said support whereby said other member is swingable toward and from the first mentioned member, said members being provided with a pair of opposed semi-circular jaw portions adjacent their outer ends for clamping said handle therebetween, and means urging said other member toward the first mentioned member comprising a bolt extending through said members in the rear of said jaw portions, a nut on one end of said bolt, and a coil spring on said bolt between said nut and one of the members.

2,256,591
SYSTEM FOR GENERATING GAS FROM LIQUEFIED GAS
William H. Grindle, Harlingen, Tex.
Application October 20, 1939, Serial No. 300,471
2 Claims. (Cl. 62—1)



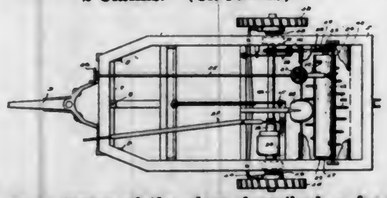
1. A system for generating gas from liquefied gas, a tank, a perforated dome in the tank at the bottom thereof, pressure controlled heated fluid heating means in the dome in heat exchange relation therewith, and a liquefied gas spewing tube rising from the dome and terminating near the top of the tank.

2,256,592
KITCHEN CABINET
William Wallace Harper, Birmingham, Ala., assignor to Dixie Metal Products Co., Birmingham, Ala., a corporation of Alabama
Application January 4, 1941, Serial No. 373,175
2 Claims. (Cl. 312—161)



2. A cabinet open at one side thereof, substantially triangular hangers pivotally mounted on opposed walls of the cabinet interiorly of the latter, and swingable in a vertical plane, a panel secured on the free ends of said hangers and, when in vertical position, constituting a door for the cabinet, and when in a horizontal position constituting a table extending into the cabinet through the open side thereof, arms projecting from the pivoted end portions of the hangers, coil springs respectively connected at one end thereof to said arms, and respectively having the other ends thereof anchored to said opposed walls of the cabinet, said coiled springs constituting means for securing the panel in either a vertical or horizontal position, and a shelf in the cabinet engageable with and constituting a stop for said panel, when the latter is swung to a horizontal position.

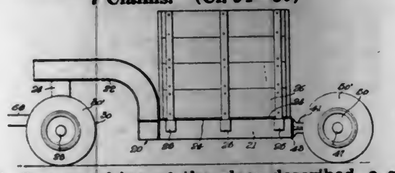
2,256,593
HARROW
Walter Forest Hill, Cincinnati, Ohio, assignor of one-half to John J. Kohler, Newport, Ky.
Application October 1, 1940, Serial No. 359,286
2 Claims. (Cl. 97—40)



1. In a device of the class described, a frame, an axle journaled on said frame, ground traction wheels journaled on the axle, ratchet mechanisms connecting the wheels to the axle, journals slidably mounted on the frame for vertical movement and including rack bars, a drum shaft carried by said journals, a drum including teeth secured on said drum shaft, an adjustable drive means for the drum shaft and including a clutch for clutching and declutching said drive means to the

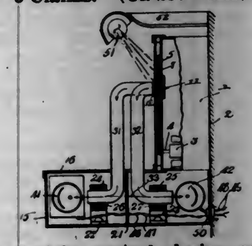
first-named axle, worms engaging the rack bars, shafts secured to said worms, means for journaling the shafts on the frame, and an operating means geared to said shafts.

2,256,594
ROAD ROLLER
John E. Ingram, San Antonio, Tex.
Application August 21, 1940, Serial No. 353,569
7 Claims. (Cl. 94—50)



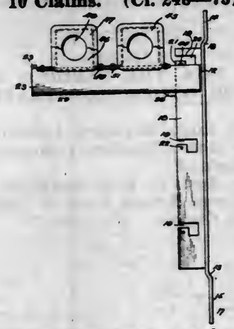
1. In a machine of the class described, a single front axle having a plurality of resiliently tired wheels on each of its ends, a load-carrying frame having an upwardly and forwardly extending front end portion which overlies said front axle and wheels and a major horizontal portion which extends in a single plane from said front end portion to the rear extremity of said load-carrying frame, a universal connection between the front end of said load-carrying frame and the center of said front axle, two alined rear axles disposed a considerable distance behind the rear extremity of said major horizontal portion of said load-carrying frame and each having at least three resiliently tired wheels staggered with respect to the front wheels, the entire length of the aforesaid major horizontal portion of said load-carrying frame being well below the tops of the front and rear wheels and close to the ground, one substantially horizontal U-shaped yoke astride the central wheel of one of said rear axles and having its side arms extended rearwardly from its arm-connecting portion and supported by said one axle, a second substantially horizontal U-shaped yoke astride the central wheel of the other of said rear axles and having its side arms extended rearwardly from its arm-connecting portion and supported by said other axle, and two pivots supporting the rear end of said load-carrying frame on the front arm-connecting portions of said U-shaped yokes respectively, the axes of said pivots being disposed longitudinally of said frame, all of said rear wheels being disposed behind the rear extremity of said frame.

2,256,595
PHOTOELECTRIC SYSTEM
Arthur G. B. Metcalf, Milton, Mass., assignor to Photoswitch Incorporated, Cambridge, Mass., a corporation of Massachusetts
Application July 13, 1939, Serial No. 284,305
5 Claims. (Cl. 250—41.5)



4. Photoelectric control device comprising a light source, means defining the path of a light intensity varying object, a light responsive relay means including a photoelectric cell stationary relatively to said path defining means, optical means including a light-conducting rod for leading light from said source towards said cell, said rod having a light transmitting end surface adjacent said path, and means for changing the position of said surface along said path by moving said rod, thereby changing the effective position of said object.

2,256,596
CABLE SUPPORT
Herbert E. Miller, Washington, D. C., assignor to Electrical Manufacturing Company, Battle Creek, Mich., a corporation of Michigan
Application June 24, 1940, Serial No. 342,176
10 Claims. (Cl. 248—73)

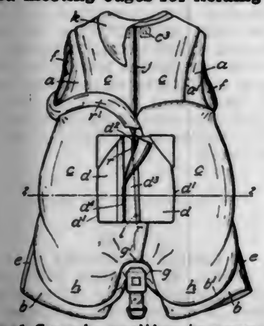


5. A cable support having a bracket with a base and a flange extending at a right angle from one side edge of the base, an opening running inwardly from the free edge of the flange, a perforated tongue extending partly across said opening, an arm having an upwardly directed channel and lateral flanges, a slotted bridge between said flanges at one end of the arm, the arm having a longitudinal slot in the base of the channel below the bridge, a depressed foot at the end of the said slot, an inwardly extending stop at the opposite end of the channel, an insulator seated on the arm over said channel and a strap around the insulator and attached to said flanges.

2,256,597
AVIATION GARMENT
John Raymond Cuthbert Quilter and James Gregory, Woking, England
Application January 6, 1940, Serial No. 312,786
In Great Britain May 9, 1939
13 Claims. (Cl. 244—143)

1. An aviator's garment forming a parachute pack, comprising a back portion, two main flaps attached laterally to said back portion with their free edges meeting in the middle of said back portion, said main flap forming with said back portion a container having a pair of separate pockets divided below the waist level, said separate pockets adapted to receive connected parts of a folded main parachute stowed in said container, two external flaps attached laterally to said main flaps with their free edges meeting over the free edges of said main flaps, said external flaps forming with said main flaps a container for a pilot parachute, and releasable means en-

gaging said meeting edges for holding said main



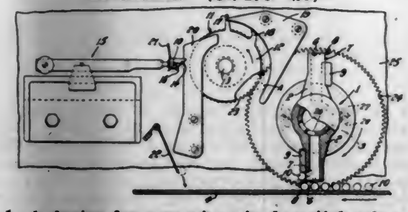
and external flaps in position to cover said main and pilot parachutes.

2,256,598

CONVEYER FOR THE FEEDING OF CIGARETTES OR OTHER ROD SHAPED ARTICLES

Félix Frédéric Ruau, Deptford, London, England, assignor to Molins Machine Company, Limited, London, England

Application April 17, 1940, Serial No. 330,229
In Great Britain April 26, 1939
13 Claims. (Cl. 198—25)



1. A device for removing single articles from a moving row in which the articles lie transversely to their direction of movement, comprising a conveyer for a row of articles, a nozzle having a suction aperture, said nozzle being mounted for movement in a fixed path located above said conveyer and at a distance therefrom which is slightly greater than the height of a row of articles on the conveyer, and means to move the nozzle in a manner such that when an article is removed thereby from the conveyer the nozzle has a component of movement in the direction of movement of the conveyer and the suction aperture faces substantially in the direction of movement of the conveyer.

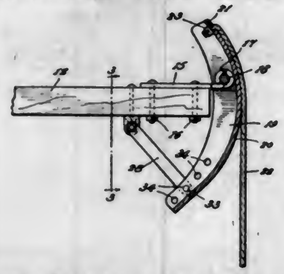
2,256,599

WELL PUMP OPERATING APPARATUS

George W. Taylor, Sr., Cut Bank, Mont., assignor of one-half to George W. Taylor, Jr., Cut Bank, Mont.

Application December 4, 1939, Serial No. 307,525
3 Claims. (Cl. 74—103)

1. A pump operating apparatus comprising a walking beam mounted for rocking movement, a vertically arcuate head plate at the front end of said walking beam having rearwardly extending flanges along its side edges, a mounting plate secured on the front end portion of said walking beam and having a transversely extending sleeve at its front end of a length to project from opposite sides of the beam and fit snugly between the flanges of the head plate, a pin passing through the sleeve and said flanges and mounting the head plate for tilting adjustment, the flanges having their lower portions formed with openings spaced from each other longitudinally of the flanges, a hanger bracket carried by said



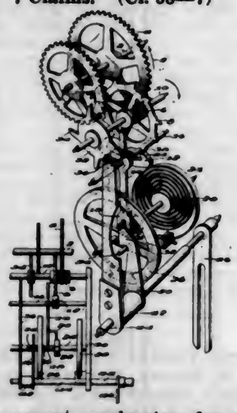
walking beam, links secured at their upper ends to said hanger bracket, and fasteners at lower ends of said links passed through selected openings of the flanges to adjustably hold the links in engagement with the flanges and maintain the head plate in an angularly adjusted position.

2,256,600

ESCAPEMENT MECHANISM FOR SUSTAINED POWER CLOCK AND BEARING MATERIAL FOR CLOCKS GENERALLY

John C. Van Slyke, Washington, D. C.; L. Clair Van Slyke, administrator of said John C. Van Slyke, deceased, assignor to Josephine A. Van Slyke, Washington, D. C.

Application July 12, 1939, Serial No. 284,123
7 Claims. (Cl. 58—7)



1. An escapement mechanism for a sustained power clock, which mechanism is normally inoperative for long periods of time comprising clockwork mechanism, including plural arbors and cooperating gears carried by said arbors, bearing plates in which said arbors are journalled, said bearing plates being made of metal impregnated with a lubricant, whereby the arbor journals are automatically and continuously lubricated.

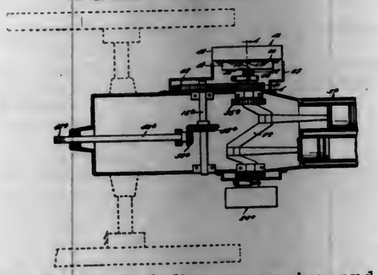
7. An escapement mechanism for a sustained power clock, comprising an escape wheel, a pallet cooperating therewith, a shaft on which the escape wheel is mounted, a stop wheel on said shaft, a stop arm cooperating with said stop wheel, and means, operable upon the failure of the usual drive for the clock, for actuating said stop arm for releasing said stop wheel.

2,256,601

POWER TAKE-OFF MECHANISM FOR TRACTORS

Thomas M. West, Dorchester, Nebr.

Application August 12, 1939, Serial No. 289,866
1 Claim. (Cl. 74—11)



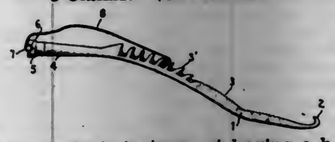
In a tractor including an engine and a crankshaft driven from the engine, a flywheel connected to one end of the crankshaft, a short-sleeve rotatably arranged on said end of the crankshaft and disposed inwardly of the flywheel, a housing connected with the inner face of the flywheel and extending over part of the sleeve, clutch means for connecting the flywheel with the sleeve and located in the housing, manually operated means for actuating the clutch means to connect the sleeve with the flywheel or disconnect the sleeve therefrom, a gear on the inner end of the sleeve, a shaft rotatably supported by the tractor, a gear thereon meshing with the gear of the sleeve and a take-off shaft driven from the last-mentioned shaft.

2,256,602

GYNECOLOGIC INSTRUMENT

Ellis H. Edwards, Scarsdale, N. Y.

Application April 25, 1939, Serial No. 269,859
5 Claims. (Cl. 128—127)



1. A gynecologic instrument having a hook at one end, a plurality of hooks on the body thereof, one end being swiveled to the other, means to prevent longitudinal movement of said swiveled portion but which permits its free rotation.

2,256,603

PROCESSING WITH NONSTAINING COMPOUNDS

Donald L. Wright, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application December 21, 1939, Serial No. 310,469
8 Claims. (Cl. 205—21)

1. In operations of mechanical working and forming of shaped structural articles from fusible solid materials, the step which comprises bringing between surfaces of the article being processed and the shaping apparatus that tends to contact with said article a non-staining oil composition comprising high molecular weight polymeric homologous compounds characterized by structures of long chains of saturated carbon atoms, of which a number have a carbon to carbon link to a recurring organic radical.

2,256,604

STABLE AQUEOUS SOLUTION OF 9-POLYHYDROXYALKYL-ISOALLOXAZINES

Ernst Auhagen, Wuppertal-Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application November 14, 1939, Serial No. 304,324. In Germany November 19, 1938
5 Claims. (Cl. 167—81)

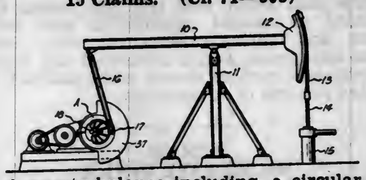
1. As a composition of matter a stable aqueous solution comprising a 9-polyhydroxyalkyl-isoalloxazine in a concentration of more than 0.013% and a water-soluble solubilizing agent selected from the group consisting of nicotinic acid amide and water-soluble salts of nicotinic acid.

2,256,605

COUNTERBALANCING APPARATUS

Robert W. Bier, Houston, Tex.

Application June 3, 1939, Serial No. 277,184
15 Claims. (Cl. 74—603)



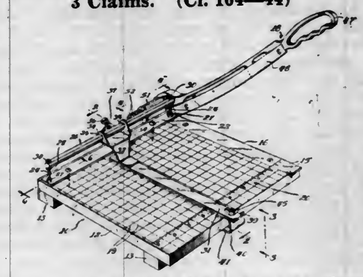
1. A counterbalance including, a circular support adapted to be eccentrically mounted on a crank shaft, a ring adjustably mounted on the support and adapted to receive a wrist pin, and a weight mounted on the ring and capable of adjustment therearound.

2,256,606

TRIMMING BOARD

Adolph I. Blanc, Coldwater, Mich., assignor to David W. Blanc, Coldwater, Mich.

Application February 3, 1941, Serial No. 377,160
3 Claims. (Cl. 164—44)



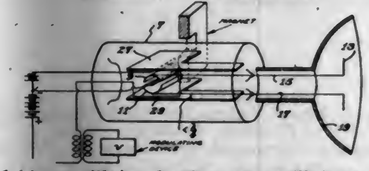
1. A trimming board of the character described comprising a rectangular base member having a metal cutting edge along one side thereof, a cutting knife pivoted to said base member and adapted to cooperate with said metal cutting edge to produce a shearing action, a rod mounted along one side of said base member at right angles to said cutting edge, a guide member slidably but substantially rigidly associated with said rod to maintain the guide member in contact with the base member and arranged for sliding movement in a direction parallel thereto, and means associated with said knife for opposing the downward pivotal movement thereof whereby accidental falling of said knife is avoided.

2,256,607
WOODWORKING MACHINE
John E. Boice, Toledo, Ohio
Application January 19, 1939, Serial No. 251,697
3 Claims. (Cl. 144—253)



1. In a machine tool device, a table, a fence adjustably mounted on the table, a support mounted on said table, a housing slidable on said support, said fence secured to said housing, a unitary control means pivotally mounted in said housing, means on said control means for locking the fence in position, said control means including a rotatable means adapted to slowly traverse said fence, said last two means being arranged in coaxial relation on said control means and spring means on said control means engageable with a portion of said housing whereby said control means is maintained in a selected position of adjustment.

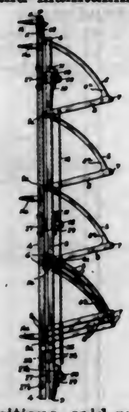
2,256,608
MICROWAVE DEVICE
Rene A. Braden, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 31, 1939. Serial No. 265,172
3 Claims. (Cl. 179—171.5)



1. An oscillator having an oscillatory circuit for the production of microwave oscillatory currents, reflecting means disposed in the region of said oscillatory circuit and spaced from said circuit so that energy radiated from said oscillatory circuit and reflected by said reflecting means into said oscillatory circuit interferes with said oscillatory currents, and shielding means between said reflecting means and said oscillatory circuit spaced at a distance from said circuit which defines combined radiation and reflection paths solely of lengths other than integral multiples of one-half wave length at the operating frequency, whereby said interference is minimized.

2,256,609
AWNING
August Bruns, Richmond Hill, Jamaica, N. Y.
Application June 30, 1938, Serial No. 216,720
21 Claims. (Cl. 156—15)

5. In an awning, blind or the like of the type described, a framework comprising side portions, each of said side portions on opposite sides thereof having vertical longitudinally extending portions in spaced relation defining a pair of tracks, at least three louvers supported for up and down movement into and out of nested position in the same common path, and means connected with said louvers for guiding the inner and outer edges of said louvers and maintaining the inclination

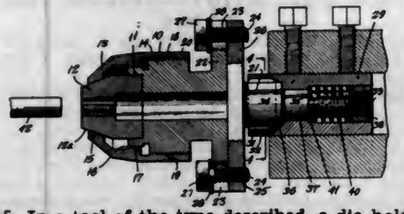


thereof in all positions, said means operating in said tracks.

2,256,610
PROCESS FOR PRODUCING ALKYL ARYL SULPHONATES
Hyym E. Buc, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application August 12, 1938, Serial No. 224,505
12 Claims. (Cl. 260—505)

3. A process for preparing an alkyl aryl sulphonate which comprises bringing into reaction an olefin, an aromatic compound having at least two replaceable nuclear hydrogen atoms, and an amount of concentrated sulpuric acid sufficient to partially, but only partially, complete the reaction, conducting the reaction at a temperature not substantially higher than 30° C., separating the resulting aqueous acid phase from the reaction mixture, then adding additional sulphuric acid of substantially the same strength as that used in the first stage of the reaction and conducting a second stage of reaction with sulphuric acid at about the same temperature as in the first reaction stage.

2,256,611
DIE HOLDER
George H. Cote, Bridgeport, Conn.
Application April 8, 1940, Serial No. 328,422
15 Claims. (Cl. 10—89)



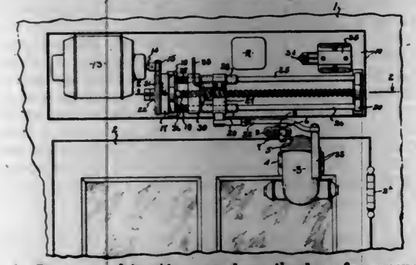
15. In a tool of the type described, a die-holding head; a shank, said head being coaxially secured to said shank; a sleeve slidably receiving said shank; and means for preventing rotational movement of the shank relative to the sleeve, said means comprising a diametrical key carried by said shank, the opposite projecting ends of which

have a cross-sectional shape of substantially semiovaloid form and received within correspondingly formed slots provided at diametrically opposite points in the bore of said sleeve.

2,256,612
MANUFACTURE OF MIXED PHENOL ETHERS AND ALKYLATED PHENOLS
Carleton Ellis, Montclair, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application June 29, 1939, Serial No. 281,804
9 Claims. (Cl. 260—612)

1. The process which comprises treating without the application of external heat a phenol with a heavy metal oxide selected from the group consisting of lead oxide, zinc oxide and mercuric oxide and with an alkylating agent selected from the group consisting of alkyl halides and dialkyl sulphates whereby an aromatic-aliphatic ether is obtained.

2,256,613
DOOR OPERATING MECHANISM
Paris R. Forman and Roscoe D. Conklin, Rahway, N. J., assignors to National Pneumatic Company, New York, N. Y., a corporation of West Virginia
Application April 29, 1939, Serial No. 270,727
3 Claims. (Cl. 268—65)



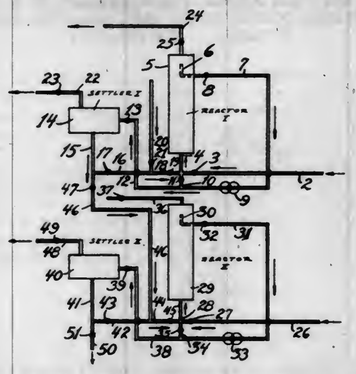
1. In a combination as described, a framework forming a door opening, a door movably mounted in the opening, a motive device interconnecting the door with the framework for closing the door, a motor supported on the framework, a screw supported for rotation on its longitudinal axis, means for connecting said motor to said shaft to rotate it, a spring interconnecting said screw with a fixed support, means forming a guideway, a nut mounted on said guideway and engaging said screw, a carriage mounted on said guideway so as to be engaged by said nut, and a connection between said carriage and said door whereby said motor causes movement of the nut along the guideway to cause movement of said carriage in one direction to open the door and energizes said spring so that when said motor is de-energized said spring operates said screw to return the nut to initial position so as to free said carriage, so that said motive device is free to close the door.

2,256,614
CAST ARTICLE
Russell Franks, Niagara Falls, N. Y., assignor to Electro Metallurgical Company, a corporation of West Virginia
No Drawing. Application June 7, 1940, Serial No. 339,327
4 Claims. (Cl. 75—128)

1. A cast article for use at elevated tempera-

tures and composed of an austenitic chromium-nickel steel containing 20% to 30% chromium; 5% to 25% nickel; a substantial proportion not exceeding 5% of at least one ferrite-promoting element of the group consisting of titanium, columbium, and molybdenum; carbon in a proportion between 0.01% and 0.5%; 0.01% to 0.5% nitrogen; and a proportion of manganese between 2% and 6%, effective to impart enhanced ductility at elevated temperatures to the article; remainder iron.

2,256,615
ALKYLATION PROCESS
Fred Hederhorst, Baytown, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application September 25, 1940. Serial No. 358,204
8 Claims. (Cl. 196—10)

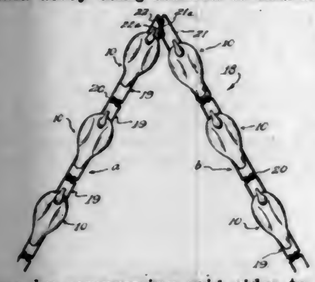


1. In a process for the production of normally liquid, branched chain paraffinic hydrocarbons by reacting at least one isoparaffin with at least one monoolefin in the presence of concentrated sulfuric acid under suitable alkylation reaction conditions, the improvements comprising maintaining at least two alkylation zones in series, maintaining substantially different sulfuric acid concentrations between about 80% and about 100% in each zone, introducing into one of said zones at least one monoolefin having a different degree of alkylation activity from the olefins introduced in the other alkylation zones, correlating the olefin activity and acid concentration so that the olefin having the greatest degree of alkylating activity is in contact with the acid of lowest alkylating concentration, and using the at least partially spent sulfuric acid from one zone in another zone utilizing acid of a lower titratable acidity.

2,256,616
MEANS FOR SUPPORTING DECOYS
Arthur B. Johnson and George J. Alajoki, Melrose Park, Ill.
Application April 14, 1941, Serial No. 388,480
10 Claims. (Cl. 43—3)

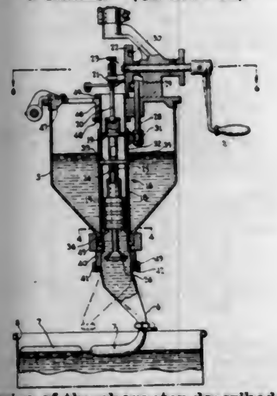
1. In a decoy device comprising a supporting frame formed of a plurality of rectangularly shaped wire sections having compressible sides, and a fastening member on the underside of each

decoy, said decoy being secured to said support-



ing frame by compressing said sides to permit locking engagement with said supporting frame.

2,256,617
DOUGH EXTRUDING MACHINE
Abraham Kipnis, Far Rockaway, N. Y.
Application November 19, 1937, Serial No. 175,390
9 Claims. (Cl. 107—14)

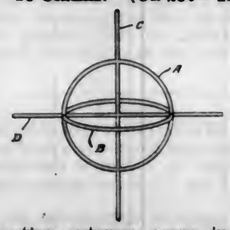


1. A device of the character described for feeding dough comprising a reservoir for dough, a discharge nozzle, means for feeding dough from the reservoir to and through the nozzle to discharge predetermined charges intermittently therefrom, means for moving the nozzle laterally through a predetermined distance during each discharge of dough from the nozzle and a horizontal cut-off device positioned just below the nozzle close to the end of the path of movement thereof whereby as the nozzle moves over the cut-off device the extruded dough is severed.

2,256,618
METHOD OF MAKING ABRASIVE ARTICLES OF RESIN BONDED ABRASIVE GRAINS
Samuel S. Kistler, West Boylston, and Carl E. Barnes, Worcester, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts
No Drawing. Application September 1, 1938, Serial No. 228,004
5 Claims. (Cl. 51—293)

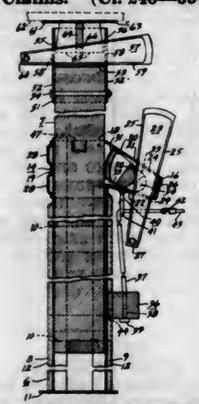
1. The method of making an abrasive article of resin bonded granular abrasive material comprising the steps of treating a polymerizable substance containing a monomeric unsaturated mono-methylene compound containing the group $CH_2{=}C{-}$ to polymerize said compound partially and provide a viscous mass which is capable of adhering to the grains without filling the pore spaces therebetween, incorporating said viscous substance and the abrasive grains in predetermined proportions to form a porous moldable mass of required structure and shaping an article therefrom and heating the mass to complete the polymerization of said substance and convert it into a solid mass which bonds the grains integrally as a hard abrasive structure.

2,256,619
DIRECTIONAL ANTENNA
David G. C. Luck, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 1, 1940, Serial No. 338,326
16 Claims. (Cl. 250—11)



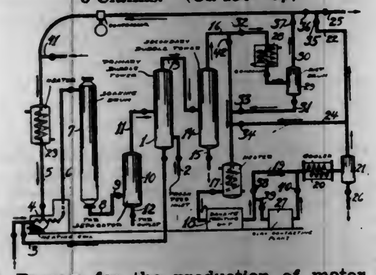
1. A directive antenna array including a directional antenna having a desired response to horizontally incident waves and an undesired response to vertically incident waves, means connected to said antenna to minimize said undesired response, said minimizing means being responsive to both vertically incident waves and to waves polarized at substantially right angles to said horizontally incident waves, and means connected to said first mentioned minimizing means for minimizing said response to said waves polarized at substantially right angles.

2,256,620
ADJUSTABLE SHORE
Charles M. Markham, Birmingham, Ala.
Application July 30, 1940, Serial No. 348,405
4 Claims. (Cl. 248—354)



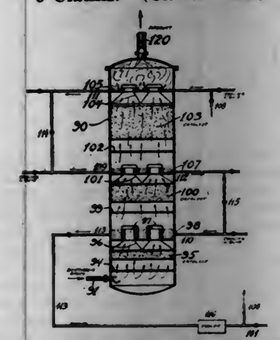
1. In an adjustable shore, a base member, an adjustable member mounted for vertical movement in said base member, a dog housing provided on the base member, a dog positioned within said housing for engagement with said adjustable member, a wedge for moving said dog into and out of engagement with the adjustable member, a hammer for driving the wedge into position to disengage the dog from the adjustable member, and means for actuating said hammer.

2,256,621
REFINING PROCESS
Eger V. Murphree, Summit, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application November 3, 1939, Serial No. 302,722
8 Claims. (Cl. 196—96)



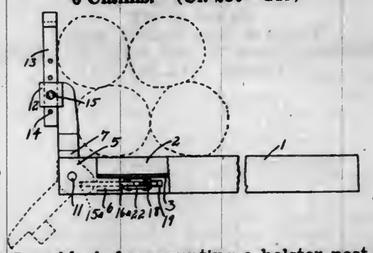
1. Process for the production of motor fuels comprising cracking a petroleum oil under a total pressure in the range above about 750 pounds per square inch and under an oil partial pressure of less than about 250 pounds per square inch, separating the cracked product boiling in the motor fuel boiling range and contacting the same with bauxite under substantially non-cracking conditions at a temperature in the range above 600° F.

2,256,622
MANUFACTURE OF HYDROCARBON PRODUCTS BY HYDROGENATION OF CARBON OXIDES
Eger V. Murphree, Summit, and Edward B. Peck, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application May 29, 1940, Serial No. 337,774
9 Claims. (Cl. 260—449)



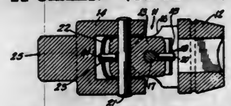
1. In a process for the manufacture of hydrocarbons containing more than one carbon atom in the molecule from oxides of carbon and hydrogen, the method of controlling the reaction temperature which comprises passing a synthesis gas mixture comprising oxides of carbon and hydrogen under synthesizing conditions through a plurality of alternate catalyst reacting and cooling zones, passing a suitable cooling liquid through the respective cooling zones, and contacting the gases with said cooling liquid to maintain the temperature of the same within a predetermined temperature range.

2,256,623
LOGGING TRUCK AND TRAILER
Samuel Parks Newman, Sr., Acol, Tex.
Application June 13, 1940, Serial No. 340,387
6 Claims. (Cl. 280—145)



3. In a block for mounting a bolster post on a vehicle bolster, a bolster post and bearing parts adapted to provide a pivotal mounting for said bolster post, and a part extending laterally from said bearing parts and providing a sliding mounting for a bolt for directly engaging and latching said bolster post in a fixed predetermined position with respect to the block, said last mentioned part being adapted to bear against an under part of the vehicle bolster to transmit directly thereto the forces from said bolster post.

2,256,624
WRENCH JOINT
William H. Odlum, Chicago, Ill., assignor to Duro Metal Products Company, Chicago, Ill., a corporation of Illinois
Application December 14, 1940, Serial No. 370,095
11 Claims. (Cl. 64—17)



1. A wrench joint comprising a forked element having parallel inner faces, a co-operating pivoted joint element having parallel sides mounted between said parallel inner faces to be spaced inwardly therefrom, and a spring embracing an end and said parallel sides of said joint element, the sides of said spring being held in compression between the inner faces of said forked element, said spring being connected to said joint element to move pivotally therewith.

2,256,625
STABILIZED VINYL RESIN
William Meritt Quattlebaum, Jr., Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application December 13, 1938, Serial No. 245,375
9 Claims. (Cl. 260—86)

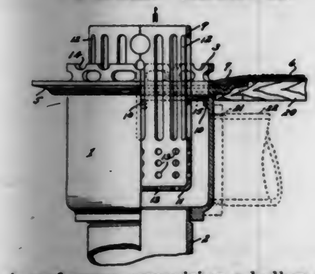
1. A composition resistant to the deteriorating effects of heat comprising an artificial thermoplastic resin, including a vinyl halide polymerized

therein, intimately combined with a small amount of a stabilizing compound of the formula



where X is an alkaline earth metal and R is one of the group of aliphatic and aromatic univalent hydrocarbon radicals.

2,256,626
ROOF SUMP
Frank H. Rile, Detroit, Mich.
Application June 27, 1940, Serial No. 342,772
4 Claims. (Cl. 182—31)



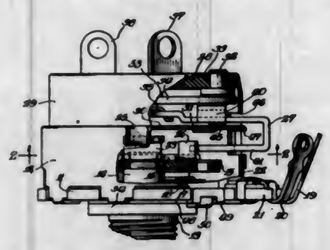
1. A roof sump comprising a hollow body having an open upper end adapted for attachment at its lower end to a waste conduit, an external flange below the upper end of the body for securing the same to a roof and to receive the roof covering, the end of the body above the flange having openings, a basket having a bottom, an open upper end, and a peripheral apertured flange therebelow, the basket being of less diameter than the inner diameter of the body and having apertures in its wall above the basket flange through which waste material may flow with the water and small apertures below the flange for separating the waste material from the water therefrom, and lugs projecting interiorly of the body on which the peripheral flange of the basket is supported.

2,256,627
MOTOR FUEL
Raphael Rosen, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application October 31, 1939, Serial No. 302,135
4 Claims. (Cl. 44—9)

1. A motor fuel comprising a major proportion of gasoline hydrocarbons and an unsaturated ether selected from the group consisting of divinyl ether and dimethallyl ether blended with said hydrocarbons in a minor but effective octane improving amount.

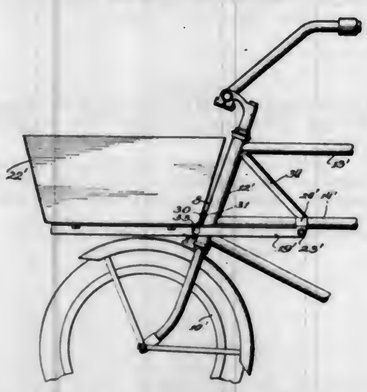
2,256,628
COMBINATION ELECTRICAL CONTROL ASSEMBLY
Newton C. Schellenger, El Paso, Tex., assignor to Chicago Telephone Supply Company, Elkhart, Ind., a corporation of Indiana
Application February 2, 1939, Serial No. 254,318
7 Claims. (Cl. 201—48)

1. In combination, two electrical control units arranged in tandem and each having a substantially cylindrical housing with a metal side wall, a substantially unbroken metal partition wall separating and shielding the units from each other, a rotary shaft substantially coaxial with and projecting from one unit and operable to actuate the instrumentalities thereof, the side walls of the housings having openings, an oscillatable



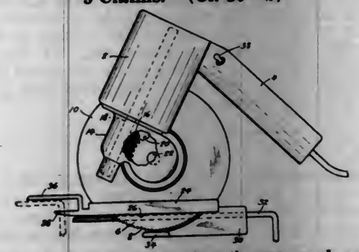
operating member for the other unit pivoted within the housing thereof and extending out through the opening in its side wall around the partition wall and back in through the opening in the side wall of the first named unit, and means in the first named unit driven by its shaft for actuating said operating member.

2,256,629
BICYCLE CARRIER
Frank W. Schwinn, Chicago, Ill.
Application March 4, 1939, Serial No. 259,739
1 Claim. (Cl. 224—32)



The combination with a bicycle frame having a steering head for journaling a front wheel fork and having upper and lower frame members extending rearwardly from the steering head, of a carrier cantilevered forwardly of the frame and comprising a pair of horizontal rearwardly converging beams, one on each side of the steering head, means for mounting the beams upon the steering head laterally thereof, means for anchoring the converged rearward ends of the beams on the lower frame member at a point spaced rearwardly of the head, an oblique strut incorporated in the frame, the lower end being secured to the lower frame member adjacent the anchorage of the ends of the beams and the upper end being secured substantially at the junction of the upper frame member and the steering head, and a parcel support mounted upon the beams forwardly of the steering head.

2,256,630
CARTON CUTTER
Lansing P. Shield, Ridgewood, N. J.
Application December 23, 1938, Serial No. 247,317
5 Claims. (Cl. 30—2)



1. A device for opening boxes and cartons formed of paper, cardboard or the like comprising a motor having a casing, a cutter rotatable by said motor, a fin carried by said casing and located behind said cutter in position to pass through a slot formed by said cutter, spaced upper and lower guards carried by said casing and said fin respectively and cooperating with each other and with the cutter to position the cutter with respect to the carton and the portion thereof to be cut, said lower guard extending laterally of the cutter into position to engage the inner surface of the carton adjacent a cut formed therein by said cutter and said upper guard terminating in a sharpened projection for piercing the material to permit passage of the lower guard into position beneath the material adjacent said slot.

2,256,631
RECAPPING PROCESS
Robert E. Steele, Pomona, Calif.
Application May 27, 1940, Serial No. 337,354
1 Claim. (Cl. 154—14)



The process of repairing tires, by the use of the kettle cure process, comprising buffing off the tread of a tire that is thinner at the center of the tread than at the edges thereof, to produce corners between the buffed surface and the surfaces of the side walls, applying to the buffed tread a lamination of rubber having its greatest thickness at its center portion and tapering from the center portion to its edges, the edges of the lamination being placed to coincide with the corners formed by the intersection of the side wall surfaces with the buffed portion, and vulcanizing the tire lamination by steam pressure, preserving substantially the same contour of the tire during vulcanization.

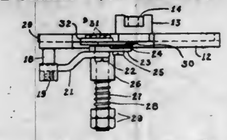
2,256,632
TIE FORMING DEVICE
Albert A. Sweet, Dallas, Tex., assignor to Sweet Neckwear Company, Dallas, Tex.
Application May 5, 1939, Serial No. 271,903
2 Claims. (Cl. 223—37)

1. A tie-forming device to be used in connection with the construction of four-in-hand neckties comprising a table, horizontally slidable grooved press plates secured to the upper side of said table, a template platform centrally positioned between said press plates, spring actuated means for normally retaining said platform in horizontal alinement with said press plates, a



template arranged to contact said platform, means for heating said template, said template being capable of lowering said spring actuated platform, manually operated means for engaging said plates over said template and platform.

2,256,633
CHENILLE TUFTING ATTACHMENT FOR SEWING MACHINES
Patrick H. Turley, Chattanooga, Tenn., assignor of one-half to W. E. Dellinger, Rome, Ga.
Application August 20, 1938, Serial No. 226,004
1 Claim. (Cl. 112—79)



A combination of the character described comprising a reciprocating needle for passing a strand of yarn down through a fabric to form loops, a frame positioned beneath the fabric and having a longitudinal groove formed in a face thereof, a looper slidably mounted in said groove for movement substantially transversely to the plane of reciprocation of the needle for engaging and holding the loops, a pivoted cutter independently mounted from the looper upon the frame for cooperation with said looper to sever the loops, and means independent of said looper for actuating said cutter.

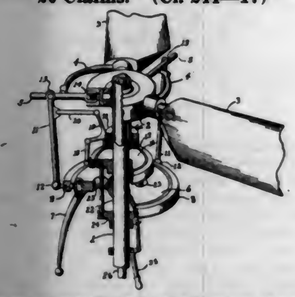
2,256,634
BASTING CLAMP
Louis A. Webb, Pasadena, Calif.
Application March 22, 1941, Serial No. 384,724
7 Claims. (Cl. 85—5)



2. In a basting clamp adapted to temporarily secure together two plates in desired alignment with each other prior to permanently securing said plates together, said clamp being adapted to be adjusted in a hole passing through both plates, and comprising: a plunger adapted to be inserted through said hole from an upper space adjacent the upper plate into a lower space adjacent the lower plate, said plunger being formed in two halves, the lower ends of the two half plungers having a limited movement with relation to each other in a direction parallel to a plane forming the dividing surface between said half plungers, each of said half plungers

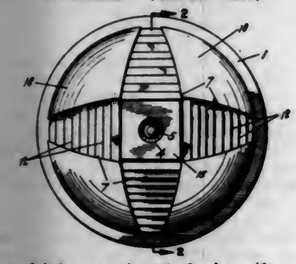
having an abutment formed near the lower end thereof and adapted to engage the lower surface of said lower plate adjacent said hole when said half plungers are moved into an expanded position; means for securing said half plungers together at their upper ends in such a manner that the lower ends of said half plungers are elastically forced into a retracted position so that they will pass readily through said hole; a pressing member surrounding said plunger and adapted to abut against the upper surface of said upper plate; cam means between each half plunger and said pressing member so placed that the lower ends of said half plungers are held in their expanded position with said abutments engaging the lower surfaces of said lower plate whenever said pressing member is forced into contact with the upper surface of said upper plate; and means acting between said pressing member and said plunger to pull said plunger upwardly and force said pressing member downwardly.

2,256,635
AIRCRAFT AND MEANS FOR STABILIZING THE SAME
Arthur M. Young, Paoli, Pa.
Application August 19, 1939, Serial No. 290,987
20 Claims. (Cl. 244—17)



1. In an aircraft, a bladed rotor, a rotor support, means for mounting said rotor for rotation on said support and for universal inclination of the plane of the rotor relative to the rotor support, and means for adjusting the aerodynamic incidence of the blades individually including means for controlling the aerodynamic incidence of a given blade by the change in inclination of the blade ahead of it relative to the rotor support.

2,256,636
HIGHWAY MARKER
Gheen Randolph Abbott, Baltimore, Md.
Application April 23, 1940, Serial No. 331,260
4 Claims. (Cl. 40—125)



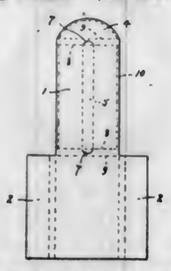
1. In a highway signal device, the combination of a base having its bottom surface formed to rest uniformly on a highway, protuberances mounted on the upper portion of the base, said portuberance having their side surfaces disposed at an angle to the base to form dove-tail encompassing walls adjacent each other and converging towards the periphery of the base, reflecting units with tapered walls formed to slide into the encompassing walls and be wedged therebetween, and a holding block arranged to fit into between the reflecting units and lock them in place in the protuberances.

2,256,637
WIRE COUPLING AND METHOD OF PRODUCING SAME
William M. Anderson, Minneapolis, Minn., assignor to himself and F. J. Kerner, Minneapolis, Minn., a copartnership
Application November 14, 1938, Serial No. 240,319
11 Claims. (Cl. 29—155.55)



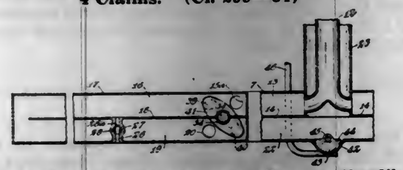
1. The method of producing an electric wire coupling lug from an elongated substantially flat metal blank which consists in first forming longitudinally spaced substantially round holes in the flat blank, and in next pressing upwardly the metal lying between the longitudinally spaced holes to form a downwardly opening channel the ends of which open through said holes above the relatively flat end portions of the lug beyond the said holes.

2,256,638
CONTAINER
Deane A. Blakeney, McCamey, Tex.
Application June 26, 1939, Serial No. 281,097
1 Claim. (Cl. 206—57)



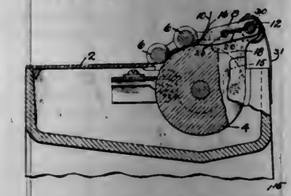
A tissue dispensing envelope for pocket use formed of a foldable sheet, materially heavier than the tissues enveloped and of substantially T-shape, laterally extending side portions foldable inwardly over said tissues toward each other with their opposed edges spaced apart providing a slot therebetween, a longitudinally extending stem portion foldable over said side portions and slot and adhesively secured along its side edges thereto and overlapping the otherwise open end of the thus formed envelope about said tissues and adhesively secured to the back of said envelope adjacent said end, and a longitudinally disposed central perforated removable strip extending in said stem portion the full length of the envelope and which when removed forms a slot registering with the spaced edges of said side portions to form access to the tissues within said envelope.

2,256,639
SPRAY BAR FOR ROAD OILERS
Henry R. Erickson, Minneapolis, Minn.
Application December 18, 1937, Serial No. 180,559
4 Claims. (Cl. 299—34)



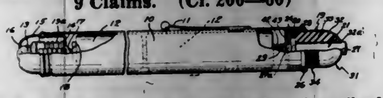
1. In a spray bar for road oilers or the like, a first conduit, means for supplying heated surfacing material thereto, a second conduit substantially parallel to and adjacent said first conduit and in series flow communication therewith at an end thereof, spaced outlet elements connected to said second conduit substantially throughout the length thereof, said outlet elements being extended through said first conduit and terminating substantially flush with the outer side of a wall thereof, said outlet elements being of less size than the interior of said first conduit, whereby the heated material in said first conduit will circulate around said outlet elements extending therethrough to prevent hardening of the surfacing material within said outlet elements.

2,256,640
LABEL PASTING MACHINE AND THE LIKE
Joseph Ettl, Highlands, N. J., assignor to Potdevin Machine Company, Brooklyn, N. Y., a corporation of New York
Application January 4, 1940, Serial No. 312,352
7 Claims. (Cl. 91—58)



6. A stripper finger for label pasting machines and the like, said finger comprising a flat metal member having a longitudinally extending slot open ended at the rear end of the finger for the reception of a finger bar, said finger being of spring metal, and the width of the slot at the open end being less than the diameter of the finger bar.

2,256,641
ROTARY SWITCH
Giles C. Fullmer, Bridgeport, Conn., assignor to The Bridgeport Metal Goods Manufacturing Company, Bridgeport, Conn., a corporation of Connecticut
Application August 4, 1938, Serial No. 223,034
9 Claims. (Cl. 200—60)



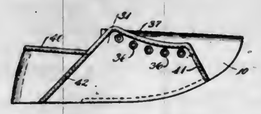
1. In a switch of the character described, a member of insulating material, means mounting said member for rotary movement, said member having an opening therethrough and a notch in its inner end, a switch means including a stem passing through said opening and a contact element at the inner side of said member and normally disposed in said notch whereby the switch means is rotatable with said member, a contact means inwardly of the inner end of said member, said stem adapted to be pressed inwardly to move said contact element inwardly into engagement with said contact means to close the circuit, a spring to return said switch means to normal position on release of said stem, and said contact means including a portion located in the path of rotary movement of said contact element whereby as said member is given a predetermined rotary movement the circuit will be closed.

2,256,642
ELECTRIC RESISTANCE ELEMENT
Geoffrey Charles Gaut, Romford, Benjamin Frederick Huggins, Forest Gate, London, Donald Swaddle, Ilford, and Harold Vivien George Stubbs, Clacton-on-Sea, England, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application March 9, 1939, Serial No. 260,686
In Great Britain April 6, 1938
5 Claims. (Cl. 201—73)



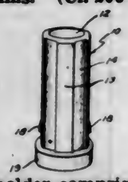
1. An electric resistance element for a moving contact variable resistance device comprising a base of sheet insulating material, a first layer of resistance material thereon, said layer being subject to humidity changes, and a second layer of resistance material on top of said first layer, said second layer being resistant to moisture penetration, said first layer comprising finely divided silver suspended in a matrix of humidity sensitive material, the density of the silver particles in said matrix varying over the length of said layer in a predetermined manner whereby a corresponding variation in specific resistance lengthwise of the layer is obtained, said second layer providing a contacting surface for engaging the moving contact of said device.

2,256,643
ARTICLE OF FOOTWEAR
Clarence E. Hosker, Watertown, Mass., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application August 1, 1940, Serial No. 349,342
2 Claims. (Cl. 36—45)



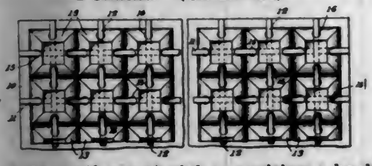
1. An article of footwear comprising an upper, a sole attached to the lower margin of the upper around the toe and heel portions and unattached along the sides of the shoe at the instep portions, and saddle straps overlapping the unattached portions of the upper with the lower margins of the straps secured to the sole and their forward and rearward margins attached to the upper, providing independency of movement of the upper and saddle straps in the region of said instep portions, said saddle straps having means for securing them to each other about the foot.

2,256,644
COSMETIC HOLDER
Rudolph N. Houlihan, Bridgeport, Conn., assignor to The Bridgeport Metal Goods Manufacturing Company, Bridgeport, Conn., a corporation of Connecticut
Application February 13, 1940, Serial No. 318,673
7 Claims. (Cl. 206—56)



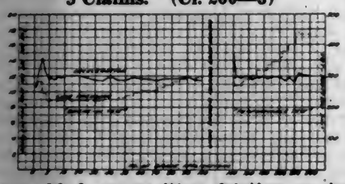
1. A cosmetic holder comprising a body member to hold the cosmetic and open at one end, a hollow cylindrical cover embracing said body, said body being of general cylindrical shape having in its outer wall relatively wide longitudinal channels separated by relatively wide longitudinal rib portions having outer transversely curved walls of substantially the same curvature as the inner walls of the cover to engage the inner walls of the cover.

2,256,645
DECORATIVE MATERIAL
Florence Kuhlman, New York, N. Y., assignor to Robert Appel, New York, N. Y.
Application March 28, 1941, Serial No. 385,650
4 Claims. (Cl. 41—34)



1. A decorative material comprising a backing sheet, a plurality of hollow box-like units disposed on said sheet and each formed with sloping walls, said walls having transversely arranged pairs of openings, a series of tapes each passing through the aligned pairs of openings of a row of said units, and another series of tapes arranged transversely to the first mentioned series and each passing through the other pairs of openings of the transverse rows of said units, each unit having edge contact with adjacent units, said tapes bridging the gaps between adjacent sloping walls.

2,256,646
MOLDED COMPOSITION FRICTION BODY
Joseph N. Kuzmick, Clifton, and Albert Whitelaw, Passaic, N. J., assignors to Raybestos-Manhattan, Inc., Passaic, N. J., a corporation of New Jersey
Application February 23, 1938, Serial No. 192,074
5 Claims. (Cl. 260—3)



1. A molded composition friction or tractive surface body such as a brake lining or clutch facing, comprising fibres bonded with an organic bond and containing as a distinct component of the body mass widely separated discrete rubbery coarse particles dispersed through the body mass, said discrete rubbery particles being insoluble in said bond, visibly distinct therein and consisting of a reaction or polymerization product of an anacardic acid material.

2,256,647
BEARING
Allan B. Merrill, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application July 24, 1940, Serial No. 347,209
8 Claims. (Cl. 308—238)



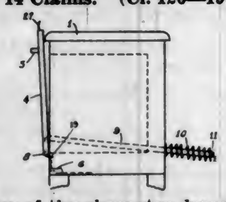
1. A bearing member comprising a bearing element of rubber-like material, and a backing structure secured to said element, said backing structure being of relatively stiff material and being divided to provide bendability thereof.

2,256,648
ELECTRICALLY HEATED PAINT AND PAPER SCRAPER
Frederick Preisser, Plainville, Conn.
Application April 11, 1939, Serial No. 267,235
3 Claims. (Cl. 219—29)



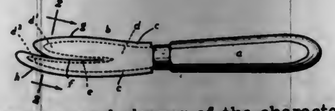
1. In a wall scraper, a casing having an electrical heating unit located therein, a cover for the bottom of said casing telescoped therewith and adapted to be maintained at red heat by said heating unit, a scraper blade connected to said casing and having a sharpened lower edge offset from said casing, said scraper blade extending across the width of said casing, a horizontal insulating handle extending from the end of said casing opposite from the scraper blade, and an upstanding insulating handle secured to an intermediate portion of said casing.

2,256,649
STOVE
Ben M. Rawlings, Chattanooga, Tenn., assignor to Tennessee Stove Works, Chattanooga, Tenn., a corporation of Tennessee
Application January 15, 1940, Serial No. 313,938
14 Claims. (Cl. 126—191)



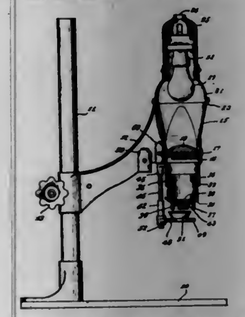
1. A stove of the character described comprising a body, an oven in said body, a soot compartment beneath the oven, a drop door for covering said oven and compartment when in closed position, means hingedly secured to said door for resiliently mounting it from said body, and anti-friction means carried by the door for riding up over the face of said body when it is swung to open position to expose said soot compartment.

2,256,650
SCRAPER AND CLEANER FOR EGG BEATERS AND THE LIKE
Elsa B. Reid, Portland, Oreg., and Katherine Davies, Cle Elum, Wash.
Application August 10, 1940, Serial No. 352,126
5 Claims. (Cl. 15—245)



1. A scraper and cleaner of the character described comprising, a substantially flat, bifurcated blade having two projections with a long narrow slot therebetween, one of said projections being longer than the other, the edges of said blade being curved, said blade formed of flexible material with an inner reinforcement of metal, and a handle for said blade.

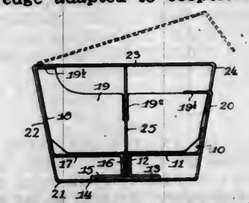
2,256,651
PHOTOGRAPHIC ENLARGER
Elwood C. Rogers, Indianapolis, Ind.
Application June 7, 1939, Serial No. 277,886
10 Claims. (Cl. 88—24)



1. In a photographic enlarger, a housing arranged to enclose a light source and provided with a condensing lens and a negative holder, said housing at its end opposite the light source being arranged to receive alternatively either a special lens-carrying mechanism or the lens-carrying body portion of a miniature camera.

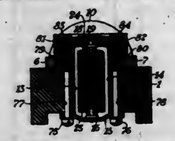
2,256,652
EGG CARTON
Louis Schwartzberg, Chicago, Ill.
Application May 26, 1939, Serial No. 275,927
1 Claim. (Cl. 229—29)

An egg carton, comprising a blank having transverse fold lines defining a plurality of longitudinal strips, said blank being foldable to form front and back walls of unequal height said walls being outwardly inclined with respect to the vertical and with respect to each other with the rear wall higher than the front wall, one of said longitudinal strips being wider than the bottom of said carton extending between and integral with both the higher top edge of the rear wall and the lower top front edge of the front wall, said integral longitudinal strip being cut to provide a plurality of cross partitions having slots in their upper edges and a separate longitudinal transverse partition provided with apertures in its lowe edge adapted to cooperate with said



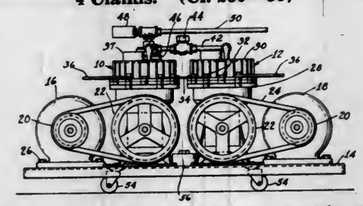
transverse cross partitions and the slots therein, certain of said integral, longitudinal strips comprising a plural bottom, one of the layers comprising said plural bottom being centrally folded so as to constitute a central, longitudinal brace between said layers.

2,256,653
ELECTRICAL RELAY
Clarence S. Snavely, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application February 6, 1940, Serial No. 317,577
6 Claims. (Cl. 200—93)



1. In an electrical relay comprising a pivoted armature and electromagnetic means for actuating said armature and combination of a frame which supports said electromagnetic means provided with two through holes, bolts extending through said holes, a first pivot support for said armature secured to one side of said frame by said bolts, a second pivot support provided with cavities which receive said bolts at the ends opposite to said first support with considerable clearance, and masses of material in said cavities around said bolts and capable of solidifying to secure said second pivot support in adjusted position with respect to said bolts.

2,256,654
TWIN COMPRESSOR UNIT
Neil B. Spurgeon, River Forest, and James H. Cahill, Wheaton, Ill., assignors to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application February 1, 1937, Serial No. 123,336
4 Claims. (Cl. 230—58)



1. In combination, a platform, a pair of motors, a pair of air compressors mounted on the

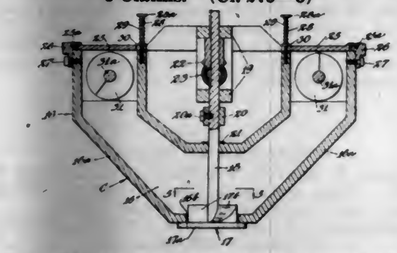
platform and provided with pulleys, belt means connected with the pulleys of the compressors and the motors whereby the compressors may be operated when the motors are run, said motors and compressors being arranged in tandem and the pulleys thereof disposed substantially in the same plane, and means comprising rollers mounted on the under side of said platform whereby the platform may be transported, said rollers being positioned substantially midway between the compressors and the motors.

2,256,655

ROAD SANDING MACHINE

Edward T. Stewart, St. Paul, Minn., assignor of one-half to Sol Bublick, St. Paul, Minn.

Application December 20, 1939, Serial No. 310,163
8 Claims. (Cl. 275—8)



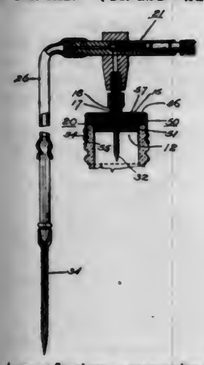
1. Road sanding apparatus comprising, a wheeled vehicle, a casing on said vehicle for containing granular material and having a circular aperture in the lower side thereof, a circular body disposed below said aperture in co-axial relation therewith, a vertical shaft disposed coaxially of said body in non-rotatable relation therewith, means for rotating said shaft, means for shifting said body vertically between respective positions thereof so that said body, when in its upwardmost shifted position, will close said aperture, and upwardly projecting structure on the upper side of said body slightly smaller in diameter than said aperture and having inclined surfaces thereon extending upwardly and circumferentially in a direction opposite to the direction of rotation of said body.

2,256,656

BLOOD TRANSFUSION DEVICE

John E. B. Swabacker, Chicago, Ill.

Application December 16, 1940, Serial No. 370,269
5 Claims. (Cl. 128—214)



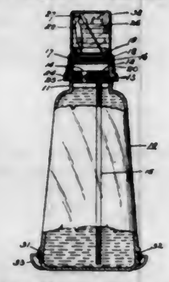
1. A blood transfusion apparatus comprising a container having a desired amount of solution to prevent clotting of blood introduced therein, and a partial vacuum, a penetrable closure sealing said container, a guide member visibly positioned above said penetrable closure, said guide member having a guideway opening extending vertically therethrough, a tubing, a transfusion needle attached to one end of said tubing, a valve attached to the other end of said tubing, a hollow needle attached to said valve, said needle adapted to extend through said guideway in said guide member to then penetrate through said penetrable closure into said container so that upon the opening of said valve the vacuum in said container will cause blood to flow from the transfusion needle inserted into the vents of a donor into the container.

2,256,657

PARENTERAL INJECTION UNIT

John E. B. Swabacker, Chicago, Ill.

Original application August 16, 1940, Serial No. 352,846. Divided and this application February 15, 1941, Serial No. 379,036
3 Claims. (Cl. 128—214)



1. In combination with a container having sterile injection solution therein, air supply means, and a removable closure for sealing said container, a chamber member removably attached to said closure, a length of sterile previously unused tubing made of disposable material, said tubing folded into a compact form, said tubing in said compact form removably positioned in said chamber member, means for attaching one end of said tubing to said container upon the removal of the closure from the container, and an injection needle attached to the other end of said tubing.

2,256,658

FASTENER FOR BUILDING BOARD OR THE LIKE

Roy J. Taylor, Lorain, and William F. O'Neil, Port Clinton, Ohio, assignors, by mesne assignments, of three-fourths to The Celotex Corporation, Chicago, Ill., a corporation of Delaware, and one-fourth to said Taylor

Application December 24, 1938, Serial No. 247,592
6 Claims. (Cl. 72—120)



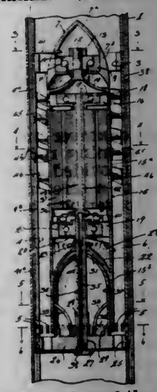
1. The combination with a wall board and supporting member, of a fastener comprising a piece of wire bent to form a penetrating arm which is driven substantially perpendicularly through the wall board and bent around the supporting member and another arm normally at an acute angle to the penetrating arm and which when the latter is driven lies substantially flat against the surface of the wall board opposite to the supporting member.

2,256,659

DEEP WELL PUMP MOTOR

Leo R. Thrasher, San Jon, N. Mex.

Application June 25, 1940, Serial No. 342,369
7 Claims. (Cl. 172—36)



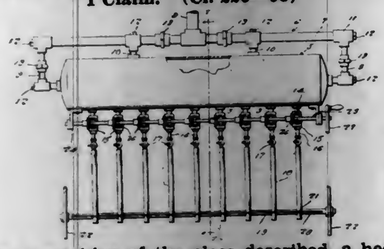
1. A submersible motor of the character stated, comprising a tubular housing, a head secured in the upper end of said housing in spaced relation with the wall of the housing, said head being hollow, a bearing within the hollow head having a central rotatable element, an elongated cylindrical motor casing within the housing which is closed at its upper and lower ends, a shaft extending from the upper end of the casing axially thereof into and secured to the central element of said bearing, an electric motor within the casing including a fixed part and a movable part, said movable part being secured to the casing, a fixed shaft extending axially through the casing and secured at its lower end to said housing, the upper end of the shaft terminating within the casing and supporting the fixed part of the motor, means for conducting electric current to the motor, and means providing a buoyant support for said motor casing when the same is submerged in a fluid.

2,256,660

MACHINE FOR DISPENSING MOLDING MATERIAL TO MOLDS

Gerald F. Watts, Crooksville, Ohio

Application June 21, 1940, Serial No. 341,758
1 Claim. (Cl. 226—93)



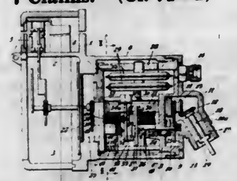
In a machine of the class described, a header tank to contain a supply of material, a plurality of valves connected to the bottom wall of the tank, means for operating said valves simultaneously, hand operated valves connected to the first-named valves, flexible tubes connected to the hand operated valves, a slotted bar, clamps adjustably connected to the slotted bar and engaging the flexible tubes adjacent the free ends thereof whereby said tubes may be adjusted relative to each other on the bar, and pivotally mounted supporting members having the bar slidably connected thereto whereby the tubes may be simultaneously raised and lowered.

2,256,661

FOLLOW-UP MECHANISM FOR INDICATING DEVICES

Ernst Baumann, Berne, Switzerland, assignor to Hasler A.-G. Werke für Telephonie und Praxisionsmechanik, Berne, Switzerland, a corporation of Switzerland

Application March 24, 1939, Serial No. 264,046
In Switzerland March 31, 1938
7 Claims. (Cl. 74—1)



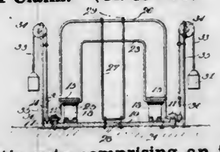
1. A follow-up mechanism comprising an elastic diaphragm device responsive to fluid pressure, an oscillating detector, a rotatable driving element for said detector, an abutment adjusted by said diaphragm device in the path of said detector limiting the movement of said detector in one direction, style actuating mechanism for recording the fluid pressure and an oscillating driver actuated by said driving element for actuating said style actuating mechanism, said detector limiting the movement of said driver in one direction.

2,256,662

AUTOMATIC GATE

James L. Blaker, Blaker Mills, W. Va.

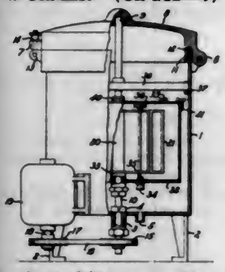
Application November 29, 1939, Serial No. 306,752
1 Claim. (Cl. 39—18)



An automatic gate comprising an inverted U-shaped lower frame member provided at the lower ends with crank arms, an upper inverted U-shaped frame member forming the top and sides of the gate, a U-shaped intermediate frame member connecting together the first and second named frame members, a platform to which the transverse member of the U-shaped intermediate frame member is pivotally connected, sills disposed longitudinally on the platform, track rails for a vehicle above the sills, means pivotally securing the crank arms of the lower frame member to the track rails, crank arms connecting the track rails to the sills in such manner that when an approaching vehicle strikes the track rails the track rails will be lowered and the gate will be swung from vertical closed position to horizontal open position upon the track rails, and

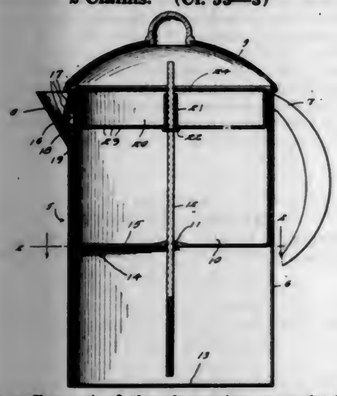
means connected to the last named crank arms for holding the crank arms to dispose the gate normally in closed position.

2,256,663
METHOD OF WASHING AMPOULES
John H. Brewer, Baltimore, Md., assignor to Hynson, Westcott & Dunning, Incorporated, Baltimore, Md., a corporation of Maryland
Application August 9, 1940, Serial No. 352,020
2 Claims. (Cl. 141—7)



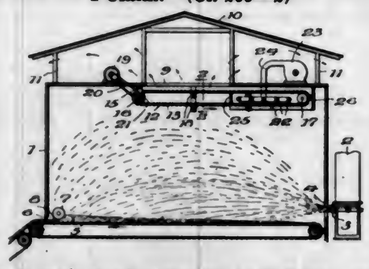
1. Method of washing ampoules which comprises submerging the same in a washing liquid, forcing the washing liquid into the ampoules by centrifugal force and expelling the liquid from the ampoules by centrifugal force.

2,256,664
COFFEEPOT
Thomas J. Burke, Blytheville, Ark.
Application July 15, 1940, Serial No. 345,686
2 Claims. (Cl. 53—3)



1. A coffee pot of the character described comprising, an outer casing for containing water, said casing being formed with a pouring spout adjacent its upper end, the portion of said casing confined by said spout being convexed and formed with a plurality of perforations, a liquid transfer tube supported substantially centrally of said casing, an inner chamber carried by said tube and held spaced from the bottom wall of said casing, said inner chamber having a portion of its upper end convexed and formed with a plurality of perforations adapted to register with the perforations of said outer casing, means formed on said casing for supporting said chamber, and a coffee retaining basket supported on said tube within said chamber, whereby water within said casing will be discharged through said tube and after passing through the coffee retaining basket will be collected in said inner chamber.

2,256,665
APPARATUS FOR RECOVERING ROCK WOOL
William E. Carson, Riverton, Va.
Application August 24, 1939, Serial No. 291,773
1 Claim. (Cl. 209—2)



In a rock wool chamber into which molten rock is projected forming rock wool fibers collected therein and provided with an opening in the top for escape of a stream of gases and vapors: means for recovering fibers carried in the stream, without imposing substantial back pressure on the chamber, comprising a continuous substantially horizontal belt-like moving screen disposed adjacent the top of the chamber, having a fiber pickup portion extending transversely across and covering the opening and a fiber removal portion extending beyond said opening, fiber detaching means operating on said removal portion of the screen at a zone well removed from said top opening, said means including conduit means for delivering a flow of gas under positive pressure above the lower side of the belt-like moving screen whereby to cause release of fibers from the screen, and driving means for the screen constructed and arranged to move the lower side thereof toward the detaching means at a slow rate permitting accumulation of a thin fiber blanket on the screen for removal, whereby fibers blown up toward the opening are filtered out against said thin traveling fiber blanket, the rate being sufficiently rapid to prevent accumulation of an excessive thickness of fibers on the screen.

2,256,666
TOY
Joseph Chojmik, Whiting, Ind.
Application September 3, 1940, Serial No. 355,236
1 Claim. (Cl. 46—130)



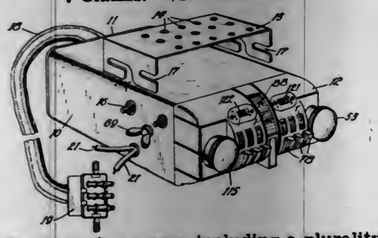
A toy of the class described, comprising, a pair of spaced standards, a straight one-piece shaft rotatably mounted in said standards and structurally integrally formed with a pair of spaced laterally extending arms interjacent said standards, a manikin freely swingable between and by said arms upon rotation of said shaft and formed with a torso section, shoulder pivots pivotally connecting the outer ends of said arms to the shoulders of said torso section, said section fashioned with a centrally disposed subjacently extending portion coacting with said section to define a pair of lateral abutments, a pair of rigid members each composed of a thigh, leg and foot, pins pivotally connecting the thighs to said portion subjacent said abutments, said members being of a length, between the bottoms of the feet and the axes of the pins, substantially coincident with the length of the arms between the axis of the shaft and the pivots whereby said feet effect momentary engagement with the shaft when said torso section is pivoted slowly over said shaft by said arms, said abutments being disposed a sufficient distance from said pins and coacting with said members to enable the latter to extend a sufficient distance above horizontality when said torso section is disposed in verticality to permit rotation of said torso section and said members with respect to said arms without said feet engaging said shaft and to engage said members to preclude complete rotation of said members with respect to said torso section during rapid rotation of said shaft and thus simulate the appearance of said manikin executing a farcical partial "skin-the-cat" exercise upon release of said feet from said shaft.

2,256,667
TOOTH STUDY MODEL
Claire M. Doret, Los Angeles, Calif.
Application July 22, 1939, Serial No. 285,886
2 Claims. (Cl. 32—71)



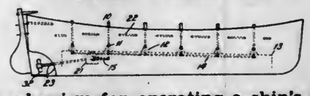
1. An article of manufacture comprising a unit including an enlarged artificial tooth in combination with an enlarged artificial portion of a jaw, said unit having a plurality of vertically arranged detachable parts, cooperating means between the parts for frictionally holding them together, one or more of said parts having eroded sections to indicate tooth disorders, said unit consisting substantially of two quarter parts abutting a half sized part.

2,256,668
INDICATING AND CONTROL APPARATUS FOR RADIO RECEIVERS
William L. Dunn, Richard C. Marholz, and Alexander W. Plensler, Chicago, Ill., assignors to Belmont Radio Corporation, Chicago, Ill., a corporation of Illinois
Application April 25, 1938, Serial No. 204,032
7 Claims. (Cl. 171—242)



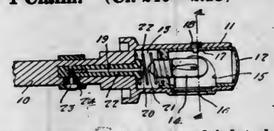
1. Radio tuning means including a plurality of inductance coil units with each of said coil units including a movable core, driving means for said cores including a rotary shaft, a driving pulley on said shaft maintained against rotation relative thereto, a second rotary shaft, a plurality of pulleys on said second shaft with one of said pulleys corresponding to said driving pulley and all of said second shaft pulleys normally retained against rotation relative thereto, a flexible connecting means between said driving pulley and said one pulley, additional pulleys on said first shaft normally rotatable relative to said first shaft corresponding in number to the second shaft pulleys other than said one pulley, flexible connecting means between each of said additional pulleys and a corresponding other pulley, with each of said flexible means connected to a movable core, and with said cores being movable in unison upon rotation of said second shaft when driven by rotation of said first shaft, and means for minimizing play between said first shaft and the driving pulley.

2,256,669
HAND-PROPELLING GEAR FOR SHIPS' BOATS
Ivan Rupert Fleming and Frank Elder Fleming, Liverpool, England
Application January 27, 1938, Serial No. 187,267
In Great Britain January 29, 1937
1 Claim. (Cl. 115—24)



In mechanism for operating a ship's life boat of the type including a propeller, a propeller shaft, a hand propelling gear, a totally enclosed gear mechanism gearing the propelling gear to the propeller shaft, the combination of a one-way driving device between the hand propelling gear and the propeller shaft to prevent the hand propelling gear being driven by a power unit when the latter is fitted and working, a clutch mechanism for rendering the one-way driving device inoperative and for coupling the hand propelling gear solid to the propeller shaft, and locking means for locking said clutch mechanism in the engaged position until such time as the power unit is fitted.

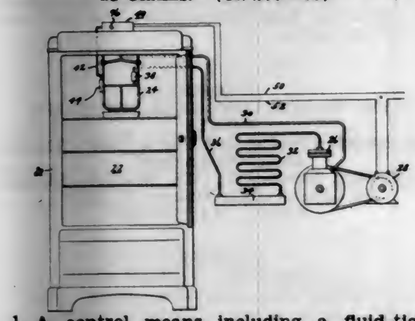
2,256,670
ILLUMINATING ATTACHMENT FOR VEHICLE DOOR LOCKS
Edward E. Greenlees, Flint, Mich.
Application November 18, 1939, Serial No. 305,161
1 Claim. (Cl. 240—2.13)



Illuminating means for a vehicle door lock comprising a shaft horizontally disposed and rotatable from normal to unlocking position, a handle on one end of said shaft and having a bore therein extending axially of the shaft, an elongated electrical conductor fixed in said shaft axially thereof and having an end disposed in said bore, a cylindrical spring tensioned push button in said bore endwise slidable therein inwardly and outwardly of said handle, an electric light fixed in said button and movable under inward movement of the button into engage-

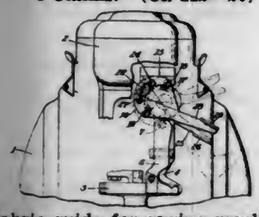
ment with said end of the conductor to energize the light, and means to energize said conductor in the normal position of said shaft, said means comprising an insulation sleeve disposed radially of said shaft and spring pressed towards the latter, a contact extending out of said sleeve opposite said shaft, and a radial contact in said shaft extending from said conductor and engaging the first-mentioned contact in the normal position of the shaft.

2,256,671
REFRIGERATING APPARATUS
Albert O. Grooms, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application January 31, 1939, Serial No. 253,833
13 Claims. (Cl. 200—83)



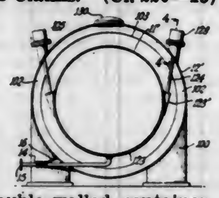
1. A control means including a fluid-tight sealed casing, a pressure-operated diaphragm means exposed on one side to the pressure within the free area of the interior of the sealed casing, a switch means operated to closed position upon an increase in pressure upon the other side of the diaphragm means, and means operated by the pressure within the free area of the interior of the sealed casing for reducing the diaphragm pressure necessary for moving the switch means to closed position.

2,256,672
UNCURLING GUIDE
Hans Hacklander, Linden, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Original application September 22, 1939, Serial No. 296,031. Divided and this application November 13, 1939, Serial No. 303,946
8 Claims. (Cl. 112—20)



1. A fabric guide for sewing machines having an operative and an inoperative position, means for supporting said guide whereby it may be moved from one to the other of said positions, a latch for holding said guide in operative position, a control-lever for releasing said latch and moving the guide when operated in one direction, a second latch for holding said guide in inoperative position, and a second control-lever for releasing said second latch and moving the guide when operated in one direction.

2,256,673
SUPPORT FOR DOUBLE-WALLED CONTAINERS
Odd A. Hansen, Kenmore, N. Y., assignor to The Linde Air Products Company, New York, N. Y., a corporation of Ohio
Application August 19, 1939, Serial No. 290,969
8 Claims. (Cl. 220—15)

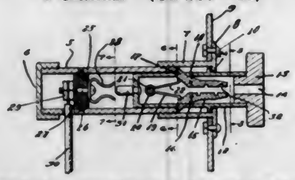


1. In a double-walled container for liquefied gases, the combination comprising an inner vessel for holding the liquefied gas, an outer vessel surrounding and spaced from said inner vessel thereby providing an intervening space for insulating purposes, a supporting frame comprising external compression members attached to said outer vessel, wall supporting rings within said outer vessel at points associated with said compression members, supporting sleeves disposed in the wall of said outer vessel over said supporting rings, supporting brackets associated with the wall of said inner vessel, and supporting connections extending from said brackets through said sleeves and made fast and sealed in said sleeves.

2,256,674
METHOD OF MAKING MALLEABLE CAST IRON
Anthony M. Herrmann, Racine, Wis., assignor to Belle City Malleable Iron Company, a corporation of Wisconsin
No Drawing. Application December 6, 1939, Serial No. 307,775
5 Claims. (Cl. 75—130)

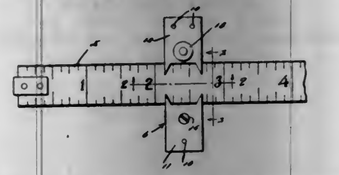
1. In a method of making malleable cast iron, the step of melting a charge consisting of materials containing in addition to normal impurities only iron, silicon, and carbon, and being substantially free of carbon in graphitic form and proportioned to produce a white cast iron, when cast in a sand mold, containing at least 1.75% carbon and at least 2% silicon.

2,256,675
LOCK SWITCH FOR MOTOR DRIVEN VEHICLES
George G. Higbee, Santa Barbara, Calif.
Application September 17, 1940, Serial No. 357,177
5 Claims. (Cl. 200—44)



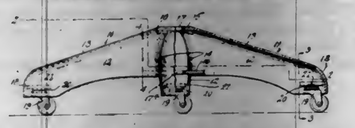
1. A switch comprising a barrel having a contact fixed therein adjacent one end and insulated from the barrel, a collar for anchoring the barrel to a supporting structure to provide a ground connection therefor, a plunger slidably mounted in the barrel and having a contact on its inner end engageable with the fixed contact, abutting flanges on the plunger and the collar to limit outward movement of the plunger and a dog pivotally carried by the plunger and releasably engageable with the outer end of the barrel to retain the contacts out of engagement.

2,256,676
FLEXIBLE STEEL RULE GAUGE
Carl O. Iverson, Longview, Wash.
Application December 31, 1940, Serial No. 372,664
2 Claims. (Cl. 33—173)



1. A gauge for flexible steel rules comprising a block having a depression therein through which a flexible steel rule is movable, plates on the block having portions projecting over the edge portions of the rule and means for tightening and loosening one of the plates with respect to the corresponding edge of the rule.

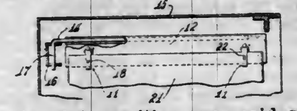
2,256,677
BASE FOR SWIVEL CHAIRS AND THE LIKE
James R. Jones, Lakewood, N. Y., assignor to Art Metal Construction Company, Jamestown, N. Y.
Application March 28, 1940, Serial No. 326,444
2 Claims. (Cl. 155—138)



1. A spider base for swivel chairs and the like comprising slender radiating legs having downwardly opening cavities in their outer end portions with relatively thin side and outer end walls, and supporting casters at the outer end portions of the legs, said casters comprising rollers journalled on trailing members mounted to swivel on the legs with the upper portions of said trailing members projecting up into said cavities in the legs above the bottom edges of the walls of the cavities, whereby said walls of the legs more nearly conceal the casters from view, each leg cavity being of less horizontal width than the diameter of the arc in which the outermost peripheral portions of the related caster roller travel in the swivelling of the caster.

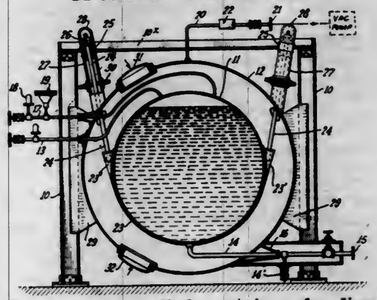
2,256,678
FILING EQUIPMENT
Emil Kern, Long Island City, N. Y., assignor to Acco Products, Inc., Long Island City, N. Y., a corporation of New York
Application May 13, 1939, Serial No. 273,393
2 Claims. (Cl. 129—5)

1. A clamp comprising, in combination, an element, a stud on said element, a movable member mounted on said element apertured to engage over said stud, a spring to normally urge



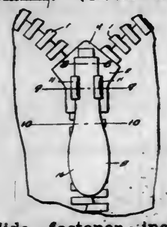
said member into position over said stud, and a lock to retain said member and stud in engagement.

2,256,679
CONSTRUCTION FOR DOUBLE-WALLED INSULATED CONTAINERS
Henry C. Kornemann and George H. Zenner, Kenmore, N. Y., assignors to The Linde Air Products Company, New York, N. Y., a corporation of Ohio
Application August 19, 1939, Serial No. 290,974
14 Claims. (Cl. 220—15)



1. In a double-walled container for liquefied gases, the combination comprising an inner vessel for holding a liquefied gas, an outer vessel surrounding and spaced from said inner vessel to provide an intervening insulating space, means including a frame for rigidly supporting said outer vessel, separate means passing through an opening in said outer vessel extending from a yieldable portion of said frame for supporting said inner vessel, and extensible mains in communication with said opening and surrounding and completely enclosing said separate means and connecting said yieldable portion of said frame with said outer vessel and substantially sealing said separate means from the exterior; whereby any deflections in said yieldable portion of said frame are elastically absorbed and the imposition of load stress on the wall of said outer vessel is avoided.

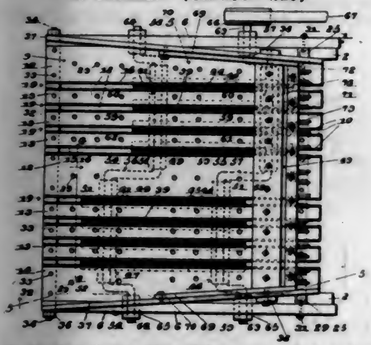
2,256,680
SLIDER LOCK FOR SLIDE FASTENERS
Frederick Lemmer, Irvington, N. J.
Application April 7, 1941, Serial No. 387,307
4 Claims. (Cl. 24—205.5)



3. In a slide fastener including coupling elements and a slider, a bar on the front face of

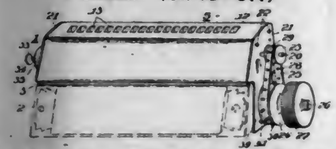
the slider having recesses in its side edges, a handle pivoted to the bar, spring jaws connected with the handle for engaging the recesses for holding the handle in closed position, a projection on the handle for engaging portions of the coupling elements to lock the slider in adjusted position, the front part of the slider to which the bar is connected being shorter than the rear portion and the projection passing the end of the short part when in operative position, and a stop formed on the handle engaging the front of the slider for limiting inward movement of the handle.

2,256,681
FEEDER
Carl R. Livermon, Roxobel, N. C.
Application July 15, 1939, Serial No 284,792
10 Claims. (Cl. 198—219)



1. A feeder for a threshing machine comprising a slotted feed-table, a pair of groups of carrier blades situated on the respective sides of the longitudinal center of the feed-table, the blades being in registration with the passages defined by the slots, a pair of two-throw cranks revolubly mounted below the feed-table, bearing blocks substantially equal in length to the width of the throws and being journaled on said throws, the bearing blocks of identically and longitudinally positioned pairs of throws having the respective groups of blades affixed thereto in parallelism so that each longitudinal pair of throws carries a symmetrical blade group, and means for revolving one of the cranks, imparting simultaneous revolution to the other crank through the connection afforded by the respective blade groups, thereby imparting a circular motion to said groups in said passages to act upon a superimposed vine mass with intermittent and alternating pushing motions.

2,256,682
DUPLEX TONE CHANGING AND ADJUSTING DEVICE FOR HARMONICAS
Torahachi Machino, Tokyo-Shi, Japan
Application June 12, 1941, Serial No. 397,773
In Japan September 28, 1940
1 Claim. (Cl. 84—377)



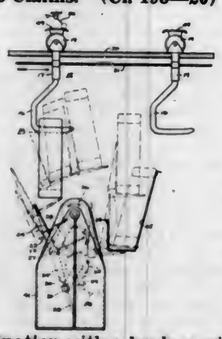
A duplex tone changing and adjusting device for harmonicas comprising a body member and a cap member in combination to provide at the top with a number of breathing openings and at the bottom with a number of breathing openings, four for each opening at the top, each opening at the top being communicated with corresponding four openings at the bottom by means of an annular space, a number of sector valves, one for each annular space, adapted to be rotated in either direction on a shaft to control the communication of the opening at the top with the corresponding four openings at the bottom as desired, means of restricting the rotation of the sector valves and means of rotating the sector valves on the shaft.

2,256,683
APPLICATOR BAND
John L. Mikesell, Pampa, Tex.
Application April 9, 1940, Serial No. 328,748
2 Claims. (Cl. 128—163)



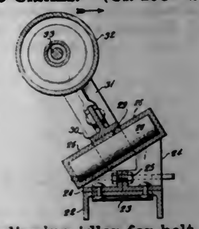
2. A band of the kind described formed of a single piece of material, comprising an elastic elongated central strap portion provided with means for securing the ends together, a series of spaced integral laterally extending straps carried by one edge of the elongated strap midway its ends, and a second series of spaced laterally extending integral straps extending from the opposite edge and oppositely opposed, and means for securing the free ends of the two series of straps together.

2,256,684
HANDLING OF ROD BUNDLES OR THE LIKE
Myles Morgan, Worcester, and John N. Whalen, Boylston, Mass., assignors to Morgan Construction Company, Worcester, Mass., a corporation of Massachusetts
Application August 4, 1939, Serial No. 288,392
8 Claims. (Cl. 198—20)



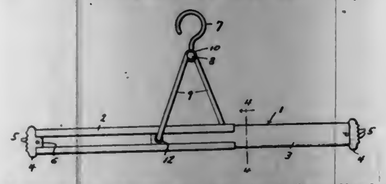
1. In combination with a hook carrier having a series of suspended traveling hooks arranged to convey rod bundles or similar annuli, an L-shaped cradle located beneath the path of the hooks, the cradle including an upright back-rest, and actuating means arranged to move the cradle upwardly and into engagement with each bundle from the side thereof which is remote from the point of the hook to remove the bundle from its hook, said actuating means thereupon moving the cradle with the bundle thereon away from the hook and then downwardly, the back-rest being cut away centrally to avoid interference with the hooks during the removal of the bundles therefrom.

2,256,685
SELF-ALIGNING IDLER FOR BELT CONVEYERS
Richard W. Parker, Indianapolis, Ind., assignor to Link-Belt Company, a corporation of Illinois
Original application October 7, 1938, Serial No. 233,847, now Patent No. 2,225,276, dated December 17, 1940. Divided and this application November 25, 1939, Serial No. 306,169
5 Claims. (Cl. 198—202)



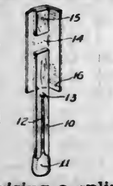
1. A self-aligning idler for belt conveyers comprising a roll for flatly supporting the width of a belt run with the roll being arranged normally in parallelism with the plane of the flat belt, an idler frame for carrying the roll, a tubular bracket attached to the central portion of the idler frame and arranged so that a plane containing the roll axis and normal to the tubular bracket axis will bisect said bracket, a gudgeon secured in the bore of the tubular bracket and projecting equal distances therefrom at its opposite ends, a pair of bearing members each having a bearing cup to freely rotatably receive and completely enclose a projecting end of the gudgeon, said bearing members being relatively shaped and arranged to support the gudgeon at an inclination to the path of travel of and in the direction of departure of the belt so that the aforesaid plane will be inclined to the path of travel of and in the direction of approach of the belt, and means for supporting said pair of bearing members.

2,256,686
GARMENT HANGER
Richard M. Penning, Clayton, Mo.
Application March 27, 1940, Serial No. 326,279
1 Claim. (Cl. 223—95)



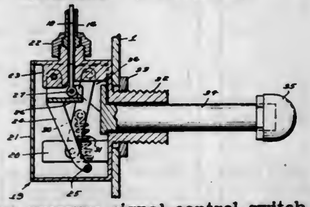
A garment hanger of the class described comprising an extensible, tubular metallic bar substantially oval in cross section, said bar including a pair of oppositely positioned telescopic sections of substantially C-shaped cross section, resilient tips mounted in the outer end portions of said sections and projecting therefrom for engagement with a garment for securing the bar therein, a hook, links having one end pivotally connected to said hook, and inturned trunnions on the other ends of the links journaled in the opposed side walls of the sections in the inner end portions thereof and operable between the longitudinal edges of said sections, the inner end of one of the sections being engageable with the tip in the other section when said sections are in closed position.

2,256,687
SAFETY STRIKING MATCH
Eli E. Penter, Huntington Park, Calif.
Application November 27, 1940, Serial No. 367,347
6 Claims. (Cl. 44—45)



1. A match comprising a splint adapted to be struck endwise against a resistant surface, without rubbing or marring contact, said splint having a head of ignition material thereon at, or near, its striking end, and a train of ignition material extending lengthwise thereon from said head to a point intermediate the ends of the splint remote from the head, and a holder or finger piece telescoping the other end portion of the splint for sliding movement thereon upon the striking of the splint, and having a frangible connection with the splint normally spacing the inner end of the same from the inner end of the ignition train, the said inner end of the holder having an abrasive movable into frictional engagement with the inner portion of the ignition train upon lengthwise movement of the holder on, and relative to, the splint.

2,256,688
TIRE INFLATION SIGNAL
Lyle F. Pierce, Santa Cruz, Calif.
Application February 16, 1940, Serial No. 319,362
3 Claims. (Cl. 200—58)

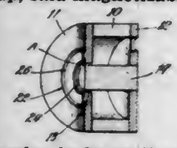


1. A tire pressure signal control switch actuator comprising a casing mounted on a vehicle wheel, a fork pivotally mounted in said casing, a plunger extending slidably into the casing, toggle links mounted for swinging movement in the casing and pivotally connected to the plunger, springs connecting said toggle links to the fork for actuation thereby, and means operable by the pressure in a tire for actuating the fork for projecting the plunger.

2,256,689
AIR GAP SHIELD FOR LOUD-SPEAKERS
James P. Quam, Chicago, Ill., assignor to Quam-Nichols Company, Chicago, Ill., a corporation of Missouri
Application June 17, 1939, Serial No. 279,694
1 Claim. (Cl. 179—115.5)

In a loud speaker including a pole piece having an annular aperture therein with the annular wall of said aperture forming one wall of the

annular air gap in said speaker, and a member movable in said annular air gap, means for arresting the movement of foreign material into said annular air gap including a magnetizable member mounted on said pole piece adjacent the annular air gap, said magnetizable member com-



prising an annular body portion having an annular ring on the inside circumference and an annular ring on the outside circumference thereof, said annular rings acting magnetically and physically to arrest the movement of foreign particles over the pole piece toward the air gap.

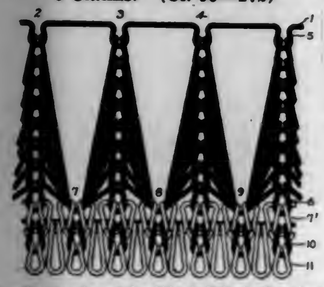
2,256,690

KNITTED FABRIC AND METHOD

William L. Smith, Jr., Pawtucket, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts

Application June 3, 1939, Serial No. 277,225

8 Claims. (Cl. 66—172)



1. A selvage for a knitted fabric having a plurality of courses knitted from an elastic yarn only, said elastic yarn being so knitted in some wales to constitute tuck stitches having a relatively great number of accumulated loops of elastic yarn, and in other wales, knitted elastic yarn loops, said yarn being knitted under tension so it will contract and roll into a bead at the edge of the fabric.

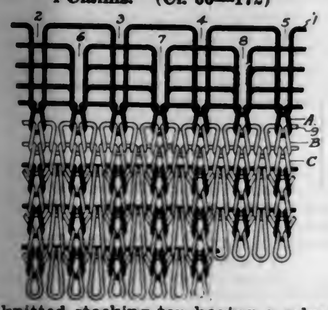
2,256,691

KNITTED FABRIC AND METHOD

William L. Smith, Jr., Pawtucket, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts

Application September 5, 1939, Serial No. 293,395

4 Claims. (Cl. 66—172)



1. A knitted stocking top having a selvage including an elastic course drawn into knitted stitches at every second wale and having incorporated therein several stretches of elastic, these being held by being threaded through sinker wales of said course of elastic, some through sinker wales adjacent spaced stitches and others through sinker wales adjacent stitches intermediate those spaced stitches.

2,256,692

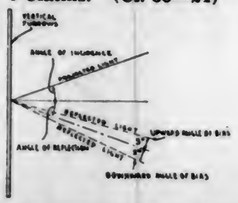
PROJECTION SCREEN FOR CINEMATOGRAPHY, TELEVISION, STEREOSCOPY, AND LIKE PURPOSES

John Leslie Stableford, London, England

Application September 3, 1940, Serial No. 355,234

In Great Britain August 31, 1939

6 Claims. (Cl. 88—24)



1. A screen for cinematograph, television, stereoscopic and like projection purposes comprising a highly polished reflecting metal sheet, the light receiving surface of said sheet having a large number of fine parallel furrows arranged in immediate juxtaposition and substantially imperceptible to the naked eye upon close inspection of the surface distributed entirely over the light receiving surface thereof and extending only in vertically arranged alignment from the bottom to the top of the screen, said furrows being of a form to reflect light rays impinged upon the sheet in horizontal and vertical directions only and to cause the screen to have a reflecting bias in a vertical arc.

2,256,693

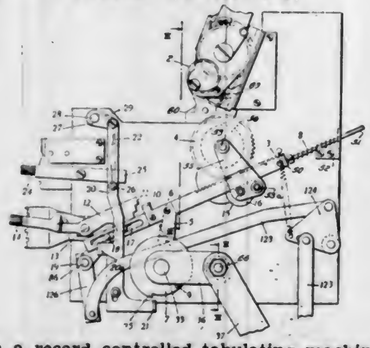
PAPER FEEDING MECHANISM FOR STATISTICAL MACHINES

Arthur Thomas, Wallington, England, assignor to Powers Accounting Machines Limited, London, England, a company of Great Britain

Application October 1, 1937, Serial No. 166,821

In Great Britain October 10, 1936

1 Claim. (Cl. 235—61.9)



In a record controlled tabulating machine of the kind having total taking control mechanism and means for initiating an operation of said mechanism when a change in group designation occurs, the combination of a paper feeding roller, a reciprocating driving member for said roller, a one-way connection between said roller and said driving member whereby movement of said driving member in one direction operates the roller to feed the paper and movement of said driving member in the other direction does not operate the roller, an adjustable stop disposable in the path followed by the driving member when moving in the non-operative direction, said stop being settable to any one of a predetermined number of positions exceeding two, each position corresponding to a different length of paper feed, an actuating member having a constant stroke, means for operating said actuating member at each machine cycle, means causing the driving member, during its non-operative movement, to follow the movement of said actuating member until arrested by the adjustable stop, whereby the actuating member continues its movement, leaving the driving member behind to be picked up by the actuating member on the return stroke thereof, and then driven positively to operate the paper feeding roller, and means operable under the control of the total taking control mechanism to adjust the relative positions of the adjustable stop and the driving member to increase the length of paper fed at a total taking operation whatever the original setting of said adjustable stop may be.

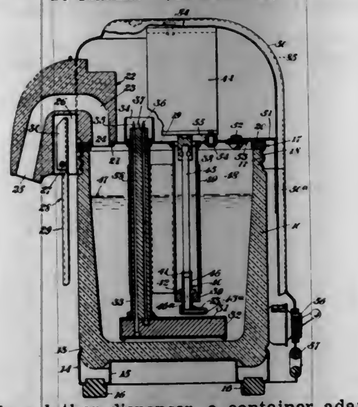
2,256,694

LATHER FOUNT

Wainwright Tuttle, Bridgeport, Conn.

Application August 29, 1939, Serial No. 292,379

16 Claims. (Cl. 261—93)



1. In a lather dispenser, a container adapted to be partially filled with a lather produceable liquid leaving a space above the surface of the liquid for lather, a closure for said container, a discharge nozzle having a discharge passage formed therein having one end communicating with said space and its other end accessible to a user, means for maintaining the temperature of said liquid above normal room temperature, a motor, an impeller driven by said motor and adapted to aerate said liquid and thereby produce lather, whereby it may float to the surface of the liquid and accumulate in said space, and switching means for said motor including a plate controllable by the hand of said user while said hand is positioned beneath said discharge nozzle, whereby any excess of lather generated will pass out of said space via said discharge passage and into said hand.

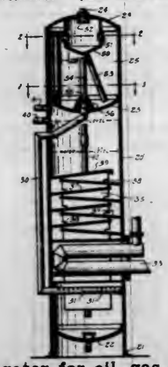
2,256,695

TREATMENT OF OIL, WATER, AND GAS MIXTURES

Jay P. Walker, Tulsa, Okla., assignor of forty per cent to Guy O. Marchant and six per cent to C. G. Wells, both of Tulsa, Okla.

Application December 17, 1937, Serial No. 180,457

6 Claims. (Cl. 183—2.7)



5. In a separator for oil, gas and water mixtures, the combination of a receiving container having an influent inlet spaced a substantial distance above the normal liquid level limit therein, a washing tank below the container having its upper end exposed to the bottom of the container, a conductor leading from the bottom of the container down to the lower portion of the tank for flowing liquids by gravity from the container to the tank, means coacting with the conductor for maintaining a constant accumulation of liquids in said container for cooling the bottom thereof, means coacting with the conductor and the container for discharging an abnormal flow of influent from the container before the liquid level rises to the influent inlet, said conductor discharging into the lower portion of said tank, said tank containing a body of artificially heated water into which the liquids from the conductor are discharged, a separating unit in said tank and in said body of water for washing said influent liquids and extracting the water therefrom, means for discharging water from said tank, and means for discharging oil from the tank above the water level.

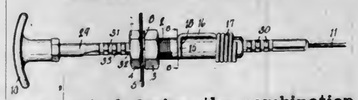
2,256,696

REMOTE CONTROL

Herman Weber, Kalamazoo, Mich., assignor to Shakespeare Products Company, Kalamazoo, Mich., a corporation of Michigan

Application April 13, 1940, Serial No. 329,451

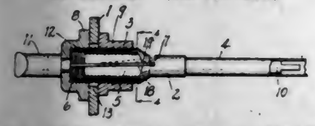
9 Claims. (Cl. 74—502)



1. In a control device, the combination of a tubular support provided with means for mounting on an instrument panel or the like and having a transverse slot through the wall thereof at the rear of said mounting means, a control rod provided with a handpiece and mounted in said support for longitudinal and rotatable adjustment therein and having a plurality of ratchet teeth lying within its circumference, and a spring ratchet pawl formed of a single piece of wire

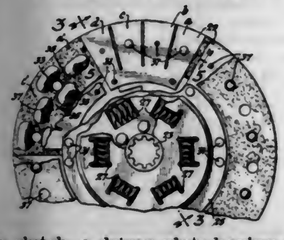
stock and having a coil portion surrounding and in supporting engagement with said support, one end of the coil terminating in an arm having a laterally turned detent disposed in said slot in said support for coacting engagement with said ratchet teeth of said control rod, the detent being disengaged from said teeth by rotative movement of said control rod.

2,256,697
REMOTE CONTROL
Herman Weber, Kalamazoo, Mich., assignor to Shakespeare Products Company, Kalamazoo, Mich.
Application August 22, 1940, Serial No. 353,716
10 Claims. (Cl. 74—503)



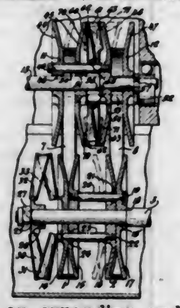
1. In a control device, the combination of a tubular support provided with an enlarged externally threaded portion at its front end having opposed longitudinal grooves therein and having opposed flattened side portions at the rear of said grooved portion, said support having a transverse slot therein at the rear of its said threaded portion, a head member threaded upon the front end of said support and constituting a mounting member, a clamping sleeve threaded upon said support in opposed relation to said head member, a control rod provided with a hand piece mounted in said support for longitudinal and rotatable adjustment therein and having a plurality of ratchet teeth lying within its circumference, and a U-shaped spring ratchet pawl having the ends of its arms engaged in said grooves and retained therein by said head member, said flattened portions of said support providing clearance for springing movement of said pawl, the bight portion of said pawl constituting a detent disposed in said transverse slot to coact with the teeth of said control rod and being disengageable therefrom by rotative movement of said control rod.

2,256,698
CLUTCH DRIVEN PLATE
William S. Wolfram, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 15, 1940, Serial No. 329,676
3 Claims. (Cl. 192—107)



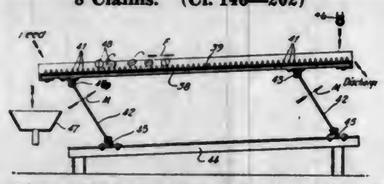
1. In a clutch, a driven plate having a radially divided resilient outer ring, facings on opposite sides of said ring, said facings having ridges and valleys on their adjacent faces whereby the ring may be distorted by pressure applied to the remote faces of the facings, there being valleys arranged both radially and circumferentially relative to each ridge.

2,256,699
V BELT PULLEY
John O. Almen, Royal Oak, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 13, 1939, Serial No. 303,990
8 Claims. (Cl. 74—230.17)



1. A shaft, an expanding and contracting V belt pulley thereon having one coned side movable relatively to another axially of the shaft, to vary the effective diameter of the pulley, and radially corrugated disc spring means resiliently urging said movable side towards the other and tending to increase the effective diameter of the pulley; said radially corrugated disc spring means being the sole means of connecting the movable pulley side to the shaft for rotation therewith.

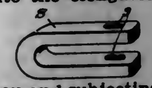
2,256,700
METHOD AND APPARATUS FOR CLEANING FRUIT
James A. Armstrong, Los Angeles, Calif.
Application April 24, 1939, Serial No. 269,640
8 Claims. (Cl. 146—202)



1. The method of cleaning dirt from fruit having surface depressions within which such dirt is lodged, which comprises: agitating in contact with said fruit a cleaning member provided with a plurality of resiliently flexible plunger members which have tip portions of such size as to be capable of at least partly entering such surface depressions, while providing a moving layer of liquid at the position of such fruit, to cause said plunger members to be moved into and to be withdrawn from such depressions, to wash adhering dirt particles from such depression under the combined effect of the action of such plunger member and the hydraulic action of such liquid layer.

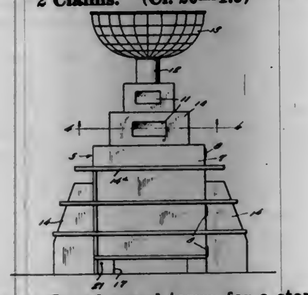
2,256,701
METHOD OF LUG STRAP MANUFACTURE
Henry M. Bacon, Dayton, Ohio, assignor to The Dayton Rubber Mfg. Company, Dayton, Ohio, a corporation of Ohio
Application February 23, 1938, Serial No. 192,116
11 Claims. (Cl. 139—153)

1. The method of making a lug strap for weaving looms, comprising providing a sheet of fabric coated with bonding material in excess of the amount required merely for bonding, winding said sheet smoothly a plurality of times around a core to produce a multi-ply sleeve conforming substantially in cross section to the elongated loop form of a pair of lug straps arranged end to end, severing said sleeve crosswise into widths approximating the width of a lug strap to thereby provide a plurality of double lug straps, inserting a mold core into the elongated loop defined by



each double strap and subjecting the double strap to molding pressure directed to compress the elongated sides of the double strap normal to the plane of the plies to a greater degree than the bends of the strap forcing excess bonding material into the bends to render them thicker than the sides, severing the double strap to form single U-shaped lug straps, and curing the laminated body to form a hard integral strap.

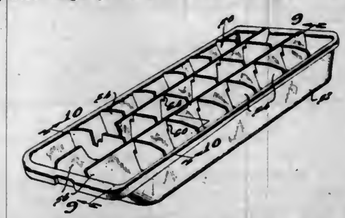
2,256,702
COMBINATION DISPLAY STAND AND SENTINEL TOWER
Dallas Barrack, Springdale, Ark.
Application September 19, 1939, Serial No. 295,674
2 Claims. (Cl. 20—1.6)



1. A camouflaged guard tower for a store comprising an upright structure, a plurality of reduced portions at the top of the structure arranged in a stepped formation, windows in the stepped portions for enabling one occupying the tower to observe occupants of the store, and a shelf forming structure surrounding the major part of the tower structure for holding articles and acting to disguise the real purpose of the tower as a watchman tower the stepped formation with the windows therein facilitating the occupant of the tower observing persons taking articles from the shelf forming structure.

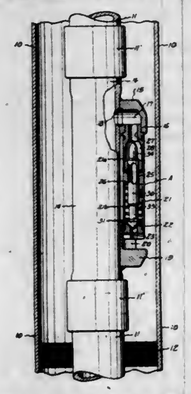
2,256,703
ICE TRAY GRID
Clifford R. Carney, Detroit, Mich.
Application April 22, 1940, Serial No. 330,814
3 Claims. (Cl. 62—108.5)

1. A grid for an ice tray comprising a plurality of generally vertically disposed transversely extending separator members each having a plurality of compound slots, each of said slots including three spaced edge portions formed adjacent its upper edge, and a plurality of apertures defined by paired relatively closely spaced edge portions formed adjacent the lower edge of each of said members, a plurality of generally longitudinally extending separator members hingedly mounted in said slots and apertures formed in the transversely extending members, each of the lower apertures of each transversely extending separator member being longitudinally spaced relative to one of said compound slots and cooperating therewith to confine one of the longitudinal members to limited angular movement from a position of rest at a substantially predetermined angle with respect to the bottom of the grid, one edge portion of each of the compound



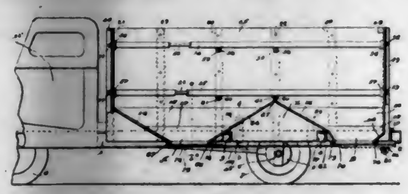
slots of each transversely extending separator member forming an abutment spaced from the associated longitudinal member when in the position of rest to provide a space therebetween for the reception of a detached lever whereby force may be selectively exerted against each of the longitudinal members to selectively move said members angularly to release ice.

2,256,704
FLOW DEVICE
Charles S. Crickmer and John J. Lane, Dallas, Tex., assignors to Merla Tool Company, Dallas, Tex., a firm of Texas
Application October 17, 1938, Serial No. 235,470
18 Claims. (Cl. 103—232)



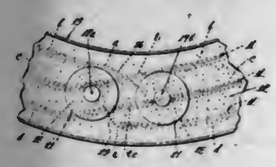
1. A flow device including, a well tubing string having a well liquid inlet, a tubular body adapted to be connected in a well tubing string and having the upper end of its bore communicating with the well liquid column within the tubing string, said body having inlet ports in its wall for admitting a lifting fluid into the bore of the body whereby said fluid may flow upwardly through the bore and into the liquid column, and a valve element slidable within the bore of the body for controlling the flow of lifting fluid through the ports and also for controlling the flow of fluid from the bore to the liquid column, said element having its upper end exposed to the pressure of the well liquid with its lower end constantly exposed to the pressure of the lifting fluid, whereby the element is actuated by the differential in such pressures.

2,256,705
DEMOUNTABLE TRUCK BODY
Louis Delivuk, Spokane, Wash.
Application December 16, 1940, Serial No. 370,260
10 Claims. (Cl. 298—27)



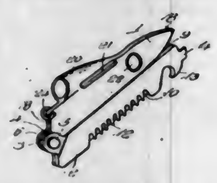
1. In a demountable quick discharging grain truck body structure for a truck having longitudinal and transverse frame members, a truck body having upright sides laterally overhanging the truck frame and provided with inwardly converging hopper sections extending downwardly from said sides and the lower portions thereof extending between the longitudinal frame members, shoes fixed to said hopper sections for engaging the longitudinal frame members for removably supporting said body thereon, said body having a bottom provided with a rectangular front discharge opening disposed forwardly of said transverse frame members and a rectangular rear discharge opening disposed rearwardly of said transverse frame members and said hopper sections extending to the lateral sides of said front and rear openings, said bottom also comprising a transversely disposed grain guiding unit of inverted V-form longitudinally spanning said transverse frame members and laterally junctur-ing with said hopper sections and having one plane section extending forwardly and downwardly to the rear side of said front discharge opening and the remaining plane section extending rearwardly and downwardly to the front side of said rear opening, and said bottom having an inclined plane section extending rearwardly and downwardly to the front side of said front opening and a plane section extending forwardly and downwardly to the rear side of said rear opening, whereby the entire lower area of said body will slope toward and discharge toward said openings for quick and complete egress of the contents, and means for controlling egress through said discharge openings.

2,256,706
ELECTRICAL HEATING ELEMENT
Thomas M. Fox, Swissvale, Pa., assignor to Edwin L. Wiegand, Pittsburgh, Pa.
Application March 20, 1939, Serial No. 262,804
11 Claims. (Cl. 201—67)



1. An electric heating element, comprising: resistor means, arranged in a linearly extended formation; terminal means, disposed laterally thereof; electrical connection between said resistor means and said terminal means; and heat-conducting electrical-insulating material enveloping said resistor means and said electrical connection; said element being so constructed, that when said element is in operation, the wattage in the vicinity of said terminal means is not materially less than the average wattage, per unit of extent of said formation.

2,256,707
PENCIL SHARPENER
Daniel E. Fultz, Spokane, Wash.
Application February 1, 1940, Serial No. 316,826
1 Claim. (Cl. 120—93)



In a compound tool, body members, hinge ears carried by inner side portions of inner ends of said members with the ears of one member extending diagonally therefrom and the ears of the other body member extending longitudinally therefrom and fitting between the arms of the first body member, a pin passing through said ears and pivotally mounting said members for movement from an extended position in end to end relation to each other to a folded position disposing their inner side edges in confronting relation to each other, said body members having longitudinally extending slots opening through their inner side edges and registering when the members are folded, a pencil receiving socket formed integral with and extending longitudinally of the outer side edge of one body member and being open at one end and tapered towards its other end, said socket being laterally offset to project from one side of the body member carrying the socket and at its other side being formed with a longitudinally extending side opening constituting an outlet for shavings, the slot of the body member carrying the socket communicating with the socket along the side thereof formed with the side opening, and a blade removably mounted in the slot of the other body member with a side portion extending from the inner side edge thereof for fitting into the slot of the first body member with a sharpened side edge extending into the socket along the side opening in overlapping relation thereto for cutting engagement with a pencil thrust into the socket and turned.

2,256,708
FRICTION CLUTCH
Harvey D. Geyer and George Hunt, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 3, 1939, Serial No. 265,729
4 Claims. (Cl. 192—68)

1. In a clutch, a pressure plate, driving means including a driving member surrounding the pressure plate, a driven member between the driving means and the pressure plate, interengaging peripheral formations on the pressure plate and driving member to permit reciprocation of the pressure plate and to prevent relative rotation, the formations on the pressure plate and driving member having first and second pairs of faces, the faces of each pair being parallel, a

spring carried by one of the faces of the first pair to dispose the sliding clearance between said



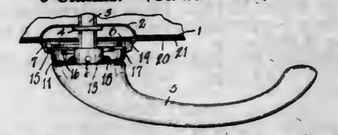
first pair of faces and to maintain constant contact between the faces of the second pair.

2,256,709
CLUTCH DRIVEN PLATE
Harvey D. Geyer, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 15, 1940, Serial No. 329,589
4 Claims. (Cl. 192—107)



1. A driven clutch plate assembly comprising a hub portion, an intermediate portion connected thereto, and an outer portion, said outer portion being made up of a plurality of normally substantially flat spring segments, means whereby said segments are bent in clutch engaging position, in compressible cushioning means to bond each segment at its inner margin to the outer margin of the intermediate portion whereby said segments may bend throughout their radial extent.

2,256,710
ESCUTCHEON FOR MOTOR VEHICLE DOOR HANDLES, REMOTE DOOR HANDLES, AND THE LIKE
Albert W. Gowdy, Grand Rapids, Mich., assignor to W. B. Jarvis Company, Grand Rapids, Mich., a corporation of Michigan
Application October 28, 1940, Serial No. 363,152
6 Claims. (Cl. 292—357)



1. In an escutcheon of the class described, the combination of an annular base member provided with inwardly projecting spaced spring supporting members and with internal rearwardly facing segmental shoulders having recesses therein, a cup-like top member having a central opening surrounded by an inturned flange, said top member being telescopingly and rotatably arranged within said base member and having outturned lugs selectively engageable with said shoulders of said base member or with their said recesses, and a helically coiled spring having its larger coil seated on said spring supporting members of said base member and its smaller coil embracing said flange of said top member whereby said top member may be collapsed within said base member and its lugs engaged with said shoulders or may be manipulated to engage its said lugs with said recesses permitting the spring to urge the top member to its extended position and yieldably retain it in such position.

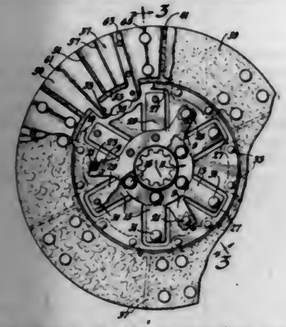
2,256,711
SLOW SPEED SYNCHRONOUS MOTOR
William L. Hansen and Ira N. Hurst, Princeton, Ind., assignors to Hansen Mfg. Company, Inc., Princeton, Ind., a corporation of Indiana
Application May 16, 1940, Serial No. 335,568
5 Claims. (Cl. 172—278)



1. In a synchronous motor, a magnetic core, a magnetic field member mounted on one end of said core and having outer pole pieces disposed axially in a substantially cylindrical path, a second magnetic field member mounted on the other end of said core and having inner pole pieces of substantially rectangular cross section disposed radially with their tips spaced from the tips of the axial pole pieces to leave an annular opening between the pole tips, a rotor positioned within said annular opening, and a shading member, said second magnetic field member comprising a pair of discs with their flat surfaces presented to one another, each disc being provided with at least a portion of said inner pole pieces, the pole pieces of one disc being interposed between the pole pieces of the other disc, said shading member being constituted of a single element and provided with oppositely directed undulated portions throughout its length, the alternate undulations of the shading member being adapted to extend

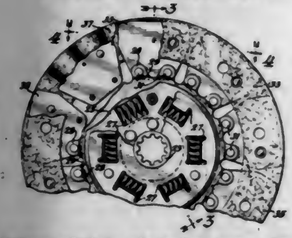
around three sides of each radial pole piece forming part of one of said discs and the remaining undulated portions of the shading member being adapted to pass along only one side of each radial pole piece of the other of said discs.

2,256,712
CLUTCH DRIVEN PLATE
George Hunt, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 9, 1939, Serial No. 255,463
2 Claims. (Cl. 192—107)



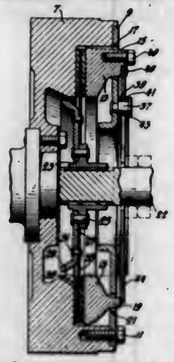
1. In a clutch, a driven member comprising a disc, spring segments having tabs secured to the periphery of said disc, each segment having end portions circumferentially beyond its tabs, said end portions being bent away from a first side of said plate, one of said ends forming a radially extending facing securing ridge, said segment in the region radially outward from its tabs having radial and circumferential slots, a tongue bent from said slots and extending away from said first side, said tongue forming a second ridge in the plane of the first mentioned ridge, facings secured to opposite sides of said segment, one to the side of the segment adjacent the first mentioned side of the plate, the other to the second side at one of said ridges.

2,256,713
CLUTCH DRIVEN PLATE
George Hunt, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 15, 1940, Serial No. 329,590
3 Claims. (Cl. 192—107)



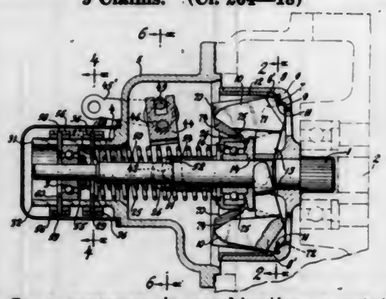
1. A driven clutch plate having a hub, an intermediate annulus operatively connected thereto, said annulus having at its outer edge a plurality of offset tongues arranged in pairs, a yielding segment attached to each pair of tongues, the segments together forming a yieldable interrupted ring, friction facings secured to the opposite surfaces of said segments, said facings having their adjacent surfaces formed with ridges and valleys, the ridges of one facing being opposite the valleys of the other.

2,256,714
CLUTCH
George Hunt, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 8, 1940, Serial No. 339,448
2 Claims. (Cl. 192—68)



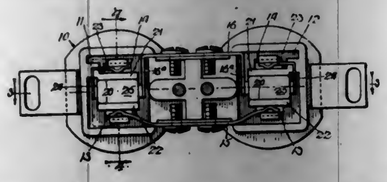
1. In a clutch, a cover, spring and pressure plate assembly comprising a cover having axial openings, a pressure plate having axial lugs extending through said openings, a coned spring plate having a circular periphery, said spring being supported by said cover on its side remote from said pressure plate, the periphery of the coned spring having an arcuate line contact with each of said lugs, said spring support comprising a plurality of headed studs in a circular series secured to said cover and extending from the side thereof remote from said pressure plate, said coned spring plate having apertures to receive said studs, and fulcrum rings mounted on said studs, one on each side of said spring plate and in contact with said side of the cover and with the heads of the studs.

2,256,715
CENTRIFUGAL GOVERNOR
Henry J. Kirschner, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 12, 1939, Serial No. 289,927
9 Claims. (Cl. 264—18)



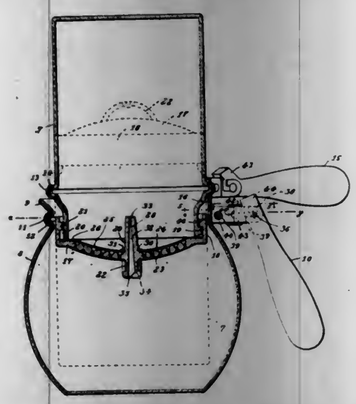
1. In a governor, in combination, a rotating shaft, a plurality of flyweights revolving therewith, a Belleville washer hingedly connecting the flyweights to the rotating shaft, and spring means resiliently resisting outward hinging movement of the flyweights under the influence of centrifugal force.

2,256,716
FUSE FOR OUTLET CONNECTIONS
Frank J. Klancnik, Chicago, Ill.
Application November 19, 1938, Serial No. 241,389
3 Claims. (Cl. 200—133)



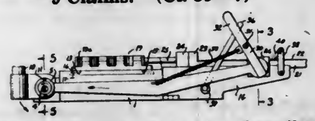
1. In an electrical outlet connection, a body having a pair of spaced apart attachment plug receiving openings and a fuse receiving opening intermediate the pair of openings, a pair of spaced terminals carried by said body and aligned with the pair of openings, a fuse having a fuse element therein and insertable in said fuse receiving opening to maintain electric contact between the pair of terminals, and means on said fuse body to permit the ready removal thereof.

2,256,717
COFFEE MAKER
Henry F. Kors, Chicago, Ill., assignor, by mesne assignments, to Korwood Incorporated, Independence, Kans., a corporation of Kansas
Application July 18, 1938, Serial No. 219,751
6 Claims. (Cl. 53—3)



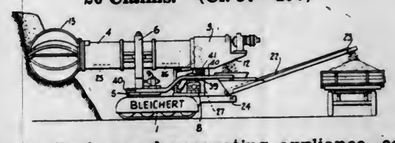
1. In combination, in a coffee brewer, a container, a removable cover therefor adapted to be secured on the container in closed position, said cover having filtering openings provided therein, and an air nozzle projecting inwardly from the central portion thereof, and a filter cloth of larger diameter than the container adapted to be clamped by its marginal edge portion between the cover and container in position covering the filtering openings in the cover, said filter cloth having a substantially central opening provided therein defined by a turned-over and sewed circular edge portion, said nozzle having a watertight fit in said opening.

2,256,718
CHAIN PRESS
Richard F. Kreiter, Houston, Tex.
Application June 15, 1939, Serial No. 279,267
9 Claims. (Cl. 59—7)



1. Apparatus of the character described comprising a support, a work holder associated therewith, power delivery means including an oscillatable cam, a connecting rod arranged to be reciprocated by the cam, a plunger adapted to operate against the work on the holder, means for actuating the plunger against the work, means connecting said rod to the actuating means and including a cam and means for actuating said last mentioned cam to permit movement of said rod, relative to said plunger-actuating means, in one direction but to prevent such relative movement in the other direction.

2,256,719
RECLAIMING AND EXCAVATING APPLIANCE
Rudolf Liebing and Adolf Rubin, Leipzig, Germany, assignors to the firm Bleichert Transportanlagen G. m. b. H., Leipzig, Germany
Application November 1, 1938, Serial No. 238,233
In Germany November 1, 1937
20 Claims. (Cl. 37—190)



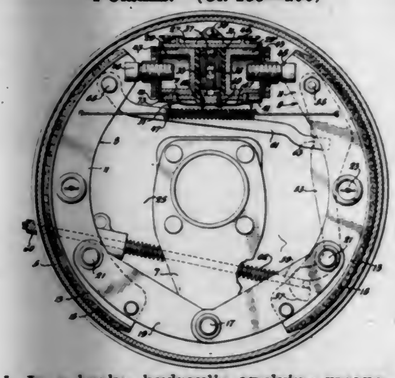
1. A digging and excavating appliance, comprising a vehicular base, a rigid, tubular backbone structure mounted swingably as a whole upon said base and projecting at its front from said base, a substantially ball shaped excavating member journalled at the front of said structure and projecting and converging to the front thereof, the axis of rotation of said excavating member being disposed in the direction of said structure, and said member being movable up, down and sideways relatively to said base by way of said swingable structure, control means on said base for swinging said structure in a substantially horizontal plane, control means for swinging said structure in a substantially vertical plane, and a source of power operatively connected with and rotating said member.

2,256,720
PHOTOGRAPHIC EMULSION AND PROCESS OF PRODUCING IT
Friedrich Lierg, Berlin-Zehlendorf, Germany, assignor of one-half to Oskar Czeija, Wien IV, Germany
No Drawing. Application December 5, 1938, Serial No. 244,111. In Austria December 6, 1937
16 Claims. (Cl. 95—7)

1. A method of producing a photographic emulsion, which consists of combining with a colloidal carrier whose particles have a charge of a certain polarity, a colloidal silver halide whose particles have a charge of the opposite polarity, maintaining during said combining operation the amount of charged colloidal carrier

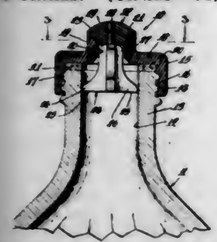
in such excess relative to the oppositely charged colloidal silver halide that no mutual precipitation occurs, and regulating the combination of the ingredients to produce in the emulsion thus formed a resulting charge of a polarity corresponding to that of the colloidal carrier.

2,256,721
HYDRAULIC BRAKE
George E. Martin, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 9, 1939, Serial No. 298,569
4 Claims. (Cl. 188—106)



1. In a brake, hydraulic applying means, mechanical applying means, said two means adapted to be operated independently, said hydraulic means including a cylinder, a piston therein subject to fluid pressure to apply the brake and subject to residual fluid pressure when the brake is released, first spring means to overcome said residual pressure and holding the brake released, a second spring in said cylinder supplementing the action of the residual pressure, and means to retain said piston from movement under the influence of said residual pressure and second spring when the mechanical applying means is operated independently and the first spring means thereby rendered inoperative to overcome said residual pressure and second spring, said last named means comprising a spring actuated detent engaging said piston.

2,256,722
CONTAINER CLOSURE
Herman H. Martin, Toledo, Ohio, assignor to H. H. Martin Products Corporation, Toledo, Ohio, a corporation of Ohio
Application March 20, 1939, Serial No. 262,816
6 Claims. (Cl. 215—74)



6. Closure means for a container having a neck surrounding the container opening, comprising: cap means, including a skirt adapted to fit about the exterior surface of the container neck, said cap means having a dispensing opening, and being so constructed as to close the container opening except for said dispensing opening; and valve means, carried by said cap means for movement relative thereto, including a valve member constructed and arranged to control flow through said dispensing opening, and guide means connected to said valve member and comprising a plurality of legs extending radially from the longitudinal axis of said valve means, said legs being of such radial extent adjacent said valve member that the defining margins thereof are slidably engageable with the surface defining said dispensing opening, and said legs spaced from said valve member being of greater radial extent forming shoulders with the lesser radial extending part of the legs and being so constructed and arranged as to be slidably engageable with the interior surface of the container neck, said legs through such sliding engagement with said dispensing opening surface and the container neck surface guide movement of said valve means, and said shoulders being engageable with a surface of said cap means to limit opening movement of said valve means.

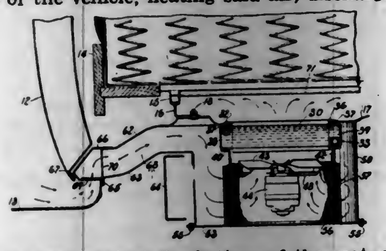
2,256,723
CARTON
Irwin Nutt, Los Angeles, Calif.
Application June 19, 1939, Serial No. 279,809
8 Claims. (Cl. 206—44)



1. A carton formed from a single piece of thin material and comprising a flat bottom section, lower side walls projecting upwardly and outwardly from the sides of the bottom section, relatively narrow strips of material projecting upwardly and inwardly from the upper edges of the lower side wall members, the top of the carton between the upper edges of said narrow strips being open so as to expose the entire upper portion of the contents of said carton, polygonal panels formed integral with the ends of said lower side wall sections and occupying vertical positions immediately adjacent each other to combine and provide end walls for the carton, a sheet of thin, transparent material enclosing said carton and overlying the opening between the narrow strips that project inwardly and upwardly from the lower side walls to form a window through which the entire upper portion of the contents of the carton are visible and tabs projecting from the ends of the narrow strips of material that project inwardly and upwardly from the upper edges of the lower side wall members of the carton body for engaging between the end wall forming panels to retain said narrow strips in their normal inclined positions.

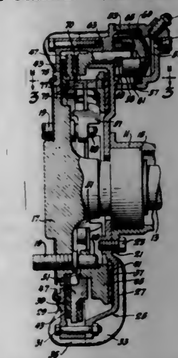
2,256,724
AUTOMOBILE HEATING SYSTEM
George E. Onishi and Albert M. Norman, South Bend, Ind., assignors to The Studebaker Corporation, South Bend, Ind., a corporation of Delaware
Application June 16, 1938, Serial No. 214,004
13 Claims. (Cl. 98—2)

1. A method of heating the interior of a vehicle having a seat and a floor, which comprises drawing air laterally below said floor from the side of the vehicle, heating said air, discharging



it upwardly against the bottom of the seat, and deflecting said air by the bottom of the seat to direct it along the floor of the vehicle.

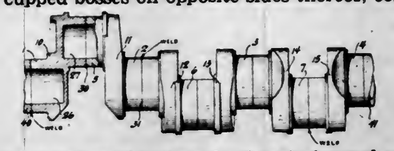
2,256,725
DISK BRAKE
Earl R. Pierce and Gilbert K. Hause, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 5, 1939, Serial No. 277,407
12 Claims. (Cl. 188—72)



1. In a brake, a rotating member, a member adjacent thereto fixed from rotation, first friction means secured to one of said members and having spaced frictional walls fixed in position relative to each other, second frictional means including two disks between said walls and mounted to move axially apart to engage said walls, at least one of said disks being anchored from rotation relative to the other member and cams operable to spread said disks into contact with said walls in response to relative rotation of said disks, and a single motor means only, said motor means being positioned at one point about the circumference of the device and operably associated with one only of said disks and spaced from said cams and operable to move said one disk into contact with its cooperating wall to produce such relative rotation.

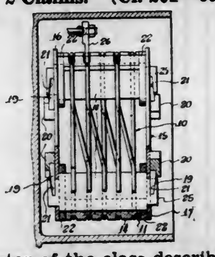
2,256,726
CRANKSHAFT CONSTRUCTION
Edward V. Rippingille, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 24, 1939, Serial No. 291,723
3 Claims. (Cl. 74—597)

1. A crankshaft built up of similar separate integral parts, each comprising half a crank throw including a single imperforated crank cheek having cupped bosses on opposite sides thereof, con-



stituting halves of hollowed out main journal and crankpin portions respectively.

2,256,727
RESISTOR
William W. Sloane, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application May 18, 1939, Serial No. 274,417
2 Claims. (Cl. 201—63)

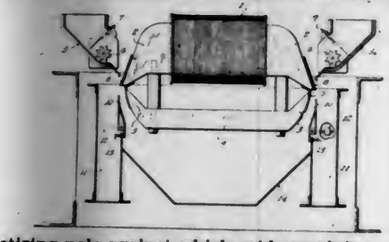


1. A resistor of the class described including a single wire formed in a long grid consisting of a plurality of parallel spaced oppositely facing open loops, an end section of said grid being folded over the remainder of said grid in spaced relation with respect thereto and the remainder of said long grid being alternately and successively folded back and forth over said end section in parallel spaced relation with respect thereto, to form a continuous parallel spaced multiple grid resistor from a single long grid, with the loops thereof in aligned relationship with respect to each other, the wire on the side of the loop of the end loop of one grid where two adjacent parallel grids join each other, being sloped in one plane to the plane of the next grid and the wire on the other side of this loop being sloped inwardly in another plane at substantially the same angle as the angle of slope of said first mentioned slope, to form an end loop with the looped portion in alignment with the other loops of the grid, to permit a supporting insulator to pass therethrough, and so arranged that the slopes of the wire at the end of each grid section as it joins the next succeeding grid section will be at similar angles but in different planes and absorb the same amount of wire, to space the loops and grids of the resistor substantially the same distance apart, with similar loops in alignment with each other.

2,256,728
MAGNETIC SEPARATOR
Roswell H. Stearns, Wauwatosa, Wis., assignor to Stearns Magnetic Mfg. Co., Milwaukee, Wis., a corporation of Wisconsin
Application July 25, 1938, Serial No. 221,062
4 Claims. (Cl. 209—223)

1. A continuously operating magnetic separator for differential separation of materials of different magnetic reluctance in a mixture of such materials comprising a first and a second separating unit, said first separating unit having

primary pole structures past which the material is caused to continuously flow, material feeding means for continuously feeding material past said first unit, said first unit having an upper pre-magnetizing primary pole structure and a lower deflecting primary pole structure each including a magnet pole, said poles being separated by a gap with the upper pole overhanging the lower pole, said poles being formed to produce a concentrated converging field, and a stationary non-magnetic shield over both poles and over said gap so arranged that the continuously fed material contacts the shield of the upper pole, means for discharging deflected material from the first separating unit, means for conducting the remaining material to said second separating unit, said second separating unit having primary pole structures including an upper bare pre-mag-



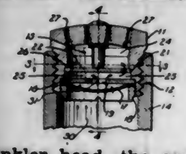
netizing pole against which said remaining material is caused to impinge and over which said remaining material is caused to continuously slide, and a lower deflecting pole structure including a magnet pole and a stationary non-magnetic shield thereover, the construction and relation of the poles of said second unit being substantially the same as said first unit, the stationary non-magnetic shield of the second unit extending over the gap of said second unit, and means for receiving the deflected material separated from the remaining material discharged from said second unit, the ratio of the downward component to the lateral component of the forces acting on the material when passing each unit being sufficiently high to insure continuous passage of the material, the magnetic field through which the material passes being greater for the second unit than for the first unit.

2,256,729

MULTIPLE JET SPRINKLER

Walter Van E. Thompson, Los Angeles, Calif., assignor to Thompson Manufacturing Company, Los Angeles, Calif., a corporation of California

Application October 18, 1937, Serial No. 169,686
4 Claims. (Cl. 299—150)



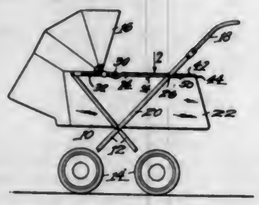
1. In a sprinkler head, the combination of: a body providing a cavity and spray forming means connected to said cavity; an end plate for said cavity providing an inlet port means; a flow regulating plate slidably disposed in said cavity and movable toward and from said end plate, said flow regulating plate having spaced peripheral projections in engagement with the side wall of said body whereby openings are provided between the peripheral portion of said regulating plate and said side wall; means in said cavity forming a stop to limit the distance said flow regulating plate may be moved away from said end plate; and an adjusting member operable from the exterior of said body for moving said flow regulating plate.

2,256,730

DROP FRONT FOR CARRIAGES

William C. Troendle, Gardner, Mass., assignor to Thayer Company, Gardner, Mass., a corporation of Massachusetts

Application August 29, 1940, Serial No. 354,735
13 Claims. (Cl. 280—47)



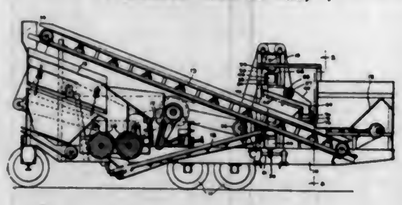
13. In a carriage, a pair of relatively fixed supporting bars, a drop front frame pivoted to said bars, a U-shaped rod embracing a portion of said frame and mounted to slide thereon but being pivotable therewith, an apertured bracket on each bar for reception of the ends of said rod, and spring means normally urging said rod toward said brackets.

2,256,731

MEANS FOR FORMING AND SEGREGATING ROCK CHIPS FROM AGGREGATES

George C. Winther, Minneapolis, Minn., assignor to Diamond Iron Works, Incorporated, Minneapolis, Minn., a corporation

Application July 10, 1939, Serial No. 283,639
7 Claims. (Cl. 83—93)



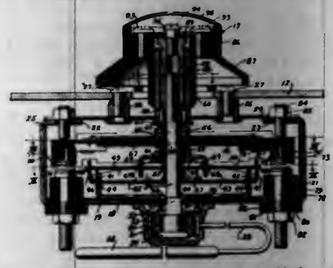
1. In a portable machine for forming aggregates, a main frame, a main conveyor supported by said frame and extending angularly from a lower to a higher position, a hopper for delivering aggregate to the lower end of said main frame, a second hopper for receiving aggregate from the upper end of said conveyor, a transverse lifting wheel located between the said hoppers and surrounding the main conveyor, a crusher adapted to receive aggregate from the upper hopper, means for moving crusher aggregate from said crusher to the transverse lifting wheel, a sifting assemblage having a portion located within the circumferential limits of the lifting wheel and above the main conveyor for receiving the crusher aggregate from the lifting wheel, said sifting assemblage embodying means for separating rock and chips from the mass of aggregate and for returning the crusher aggregate not so separated to the main conveyor.

2,256,732

THERMOSTATIC REGULATOR

Gordon H. Brown, Detroit, Mich., assignor to Electromaster, Inc., Detroit, Mich., a corporation of Michigan

Application October 1, 1938, Serial No. 232,762
13 Claims. (Cl. 200—140)



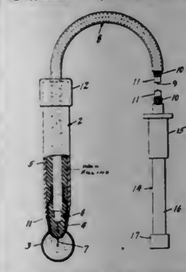
1. In a thermostatic control switch, a rod, a fulcrum carried by said rod and supported for relative movements thereon, a member associated with said fulcrum for limited swinging movements to positions disposed on either side of a dead center position thereof, when the fulcrum is moved in opposite directions, means resiliently actuating said member with a snap action towards one or the other of said limits when it is moved past dead center, contacts opened and closed in response to the movements of the member, means biasing said fulcrum for movement in one direction on the rod, thermo-responsive means acting to move said rod in accordance with temperature changes, and a motion amplifying connection between said rod and said fulcrum for moving the fulcrum on the rod in the other direction.

2,256,733

ELECTRODE FOR THE ELECTRICAL DETERMINATION OF PH

Henry H. Cary, Santa Monica, and Warren P. Baxter, Pasadena, Calif., assignors to National Technical Laboratories, Pasadena, Calif., a corporation of California

Application September 20, 1937, Serial No. 164,696
9 Claims. (Cl. 204—195)



3. In a device for the electrical determination of pH, a glass electrode having a hydrogen ion responsive membrane and a hollow insulating extension therefrom, a lead wire electrically connected to said hydrogen ion responsive membrane through said extension, said wire being provided with continuous electrical insulation extending to a point a substantial distance from the end of said hollow extension remote from said membrane, and a moisture impervious insulating material forming a moisture impervious and leakage current inhibiting seal between the extension of said electrode and said continuous insulation.

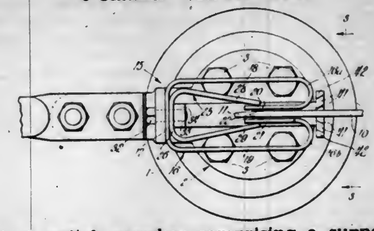
4. In a device for the electrical determination of pH, a glass electrode having a hydrogen ion responsive membrane, a hollow insulating extension therefrom, a highly insulated cable having a conductor electrically connected to said hydrogen ion responsive membrane through said extension and provided with an electrostatic shield insulated from said conductor, said cable including said shield extending from a point within said extension adjacent said membrane to a point a substantial distance from the end of said extension remote from said membrane.

2,256,734

CONTACT FINGER FOR SWITCHES

Elias S. Cornell, Evanston, Stanley C. Killian, Oak Park, and Joseph A. Stoos, Naperville, Ill., assignors to The Delta-Star Electric Company, Chicago, Ill., a corporation of Illinois

Application May 12, 1938, Serial No. 207,494
6 Claims. (Cl. 200—166)



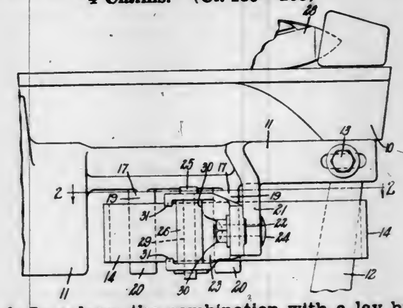
1. A switch member comprising a supporting member, a pair of approximately parallel conducting plates adapted to receive a switch blade between them, said plates being mounted upon said support for limited motion toward and away from each other, said plates having on their facing surfaces double convex protuberances registering with each other, converging spring arms bearing at their outer ends upon the backs of said plates and holding said protuberances in contact with each other with an initial predetermined pressure.

2,256,735

SHUTTLE CHECKING DEVICE FOR LOOMS

Sherwood O. Dodge, Medford, Mass., assignor to Guaranteed Parts, Inc., Allston, Mass., a corporation of Massachusetts

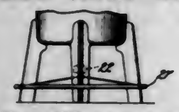
Application October 19, 1940, Serial No. 361,909
4 Claims. (Cl. 139—165)



1. In a loom the combination with a lay having a pair of rigid friction fingers embodied therein of a picker stick, a check strap for said picker stick immovably secured upon one side

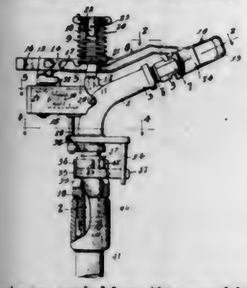
thereof to said lay and frictionally contacting upon an opposite movable side thereof with both of said fingers, and a movable friction member positioned upon the lay to engage said check strap between the fingers and to be moved automatically by the check strap during free sliding movements of the latter in opposite directions across the fingers to automatically increase the friction upon the check strap in one direction and decrease said friction in the opposite direction.

2,256,736
SAFETY CONTROL FOR WRINGERS
Nicholas L. Etten, Waterloo, Iowa
Application January 13, 1939, Serial No. 250,689
1 Claim. (Cl. 192—129)



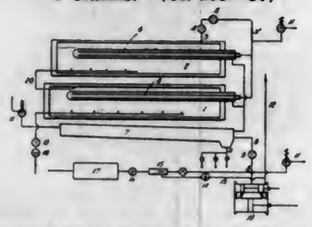
The combination with a power washer having a wringer, a motor for driving said wringer including a power source for said motor and means for operatively connecting and disconnecting said wringer with and from said motor, and means for automatically separating said motor from said power source when said connecting means are actuated to operatively connect said wringer with said motor, and manually operated means for reconnecting said motor with said power source independently of the said separating means, said manually operated means comprising a normally open electric switch, a shiftable band surrounding the lower portion of the washer and adapted to be shifted by contact with the foot of the operator, and connecting elements to close the normally open electric switch responsive to shifting movements of said band.

2,256,737
AUTOMATIC REVERSING ROTARY SPRINKLER
Orton H. Englehart, Glendora, Calif.
Application July 14, 1937, Serial No. 153,555
12 Claims. (Cl. 299—71)



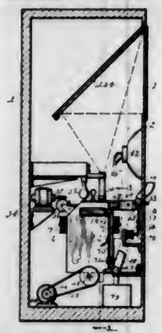
1. In a rotary sprinkler, the combination of a sprinkler-head having a nozzle for projecting a water jet, means for supporting the sprinkler-head to rotate about an axis, an impulse arm mounted to rotate on the sprinkler-head and having a deflector capable of moving into the said jet so that the jet will cause the impulse arm to swing on its axis and out of the jet, a spring for urging the impulse arm in a direction to return the deflector into the jet, means cooperating with the impulse arm to cause a step-by-step rotation of the sprinkler-head in one direction, and means operating after the sprinkler-head has moved through a predetermined angle to effect a step-by-step rotation of the sprinkler-head in the reverse direction.

2,256,738
MEANS FOR OPERATING FIRELESS LOCOMOTIVES
Paul Gilli, Vienna, Germany
Application December 3, 1938, Serial No. 243,726
In Germany December 3, 1937
3 Claims. (Cl. 105—37)



1. In a fireless locomotive, a high pressure steam accumulator, a pressure equalizing vessel, conduit means for conveying steam from said accumulator to said vessel, a throttling device in said conduit, a working cylinder, a valve for controlling supply of steam to said cylinder, a valve gear for operating said valve, means for shifting said gear to forward, neutral and reverse positions, a conduit for supplying steam from said vessel to said valve, a shut-off valve in the last mentioned conduit, and means interconnecting said shut-off valve with the valve gear shifting means operative to close the shut-off valve when said gear is in neutral position and to open said shut-off valve when the gear is in forward or reverse positions.

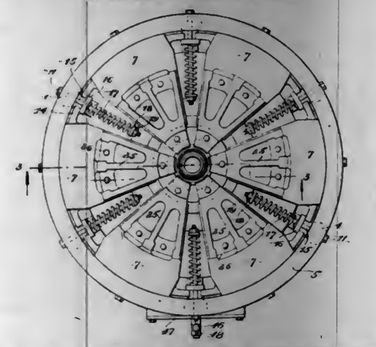
2,256,739
MACHINE FOR SELECTIVELY PROJECTING CINEMA FILM RECORDS
Weston Graves, Flint, Mich., assignor of one-half to Nelson Graves, Flint, Mich.
Application September 29, 1938, Serial No. 232,253
9 Claims. (Cl. 88—17)



9. In a machine of the class described for selectively projecting film records through the field of a projecting means, means operatively engaging the respective records for intermittently moving the same through said field, a plurality of mounts containing the respective records and said means for engaging and moving the same, a carriage for the mounts movable to and from selected positions of registry of the mounts with said field, means for thus moving

the carriage, an actuator common to said record engaging and moving means for selectively actuating the same including a driving member on the frame of the machine brought directly into operative connection with said record engaging and moving means by the movement of the carriage to such selected positions of registry, each mount with its record and said engaging and moving means therefor being removable as a unit from the machine without disturbing the record or disengaging the same from its said engaging and moving means.

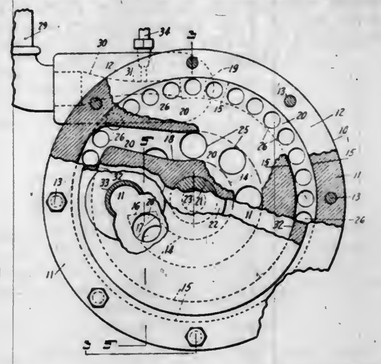
2,256,740
HYDRAULIC CIRCULAR PRESS
David Gup, Rochester, N. Y., assignor to The West Tire Setter Company, Rochester, N. Y., a corporation of New York
Application July 15, 1940, Serial No. 345,481
12 Claims. (Cl. 78—15)



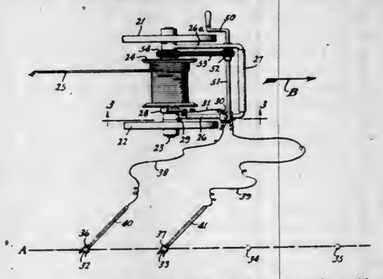
1. In a circular press, the combination with a vertically arranged ring member, a series of pistons fixedly attached to said ring member, a series of radially movable rams, each including a cylinder engaging one of said pistons and having a die mounted thereon and fluid means for actuating the cylinder and ram inwardly, of a single spring means located between each two adjacent rams and operatively connected to both rams on opposite sides thereof for moving the rams outwardly, said spring means being located in horizontal alinement with the vertical centers of the rams and accessible between the rams from the top of the machine for adjustment.

2,256,741
ROTARY PUMP
John W. Gurley, Dayton, Ohio
Application December 3, 1938, Serial No. 243,743
10 Claims. (Cl. 103—110)

1. In a rotary pump, a casing comprising side members having opposed surfaces spaced one from the other to form a chamber between the same and each provided with inner and outer channels concentric with the axis of the pump and spaced different distances from said axis, said casing having an inlet communicating with said inner channels near the outer ends thereof and having an outlet communicating with the outer ends of said outer channels, said inner channels being of greater capacity than said outer channels, means connecting the inner ends of said inner channels with the inner ends of the respective outer channels, a rotor mounted in said chamber and having a close running fit between said side members, said rotor having an inner annular series of relatively large openings extending through the same and communicating with both inner channels and also having an outer annular series of relatively small openings extending through the same and communicating with both outer channels, and means for rotating said rotor.

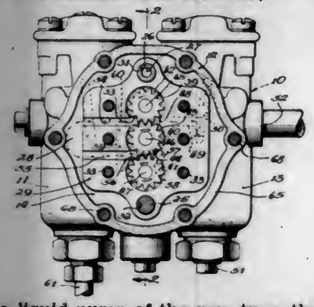


2,256,742
ELECTRICAL EXPLORATION OF THE SUBSURFACE
John Jay Jakosky, Los Angeles, Calif.
Application June 13, 1939, Serial No. 278,806
1 Claim. (Cl. 175—182)



In apparatus for the electrical exploration of the subsurface, the combination which comprises: more than two electrodes placed in the earth at points spaced from one another substantially along a line; an electrode device adapted to be moved over the surface of the earth to successively establish electrical contact with each of a plurality of such electrodes each located at one of such points spaced from one another along the earth's surface while being in contact with one of said electrodes at all times, comprising a plurality of separate contact members each provided with means for detachably connecting it to any one of said electrodes, a terminal member common to all of said contact members, and a plurality of flexible conducting connecting members connecting the respective contact members to the common terminal member, said flexible connecting members being of sufficient length to provide for simultaneous connection of two of said contact members to two adjacent ones of said spaced electrodes during movement of said electrode device over the surface of the earth; and an electrical conductor connected to said common terminal member and extending to a position removed from said electrode device for connection to one terminal of an electric circuit.

2,256,743
FUEL PUMP
Arthur C. Kleckner, Racine, Wis., assignor, by mesne assignments, to Webster Electric Company, Racine, Wis., a corporation of Delaware
Application December 8, 1938, Serial No. 244,591
3 Claims. (Cl. 103—126)



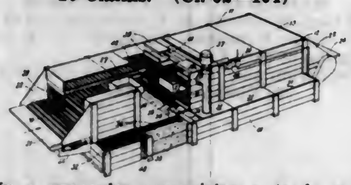
1. In a liquid pump of the gear type, the combination of a gear housing comprising a housing plate having intercommunicating cylindrical apertures for three gears, gears arranged in said apertures, means for engaging the ends of said gears to effect a closure of said housing, said gears being arranged to be driven from one of the gears, and said one of said gears being provided with a drive shaft, said housing being provided with a low pressure inlet and a low pressure outlet at the intersection of two of said gears, predetermined parts of which two gears constitute a low pressure stage, a reservoir, said low pressure outlet being in communication with said reservoir at substantially atmospheric pressure, and said housing having an inlet at another intersection of predetermined ones of said gears communicating with said reservoir, and having a high pressure outlet at the opposite side of the intersection of said latter gears, certain parts of said predetermined ones of said gears constituting the high pressure stage, the low pressure stage of said gears pumping an excess of volume of liquid over the high pressure stage of said gears, due to the difference in resistance to the discharge of fuel from the gears of said stages.

2,256,744
WALL PAPER CLEANING DEVICE
John S. Lincoln, Des Moines, Iowa
Application April 24, 1940, Serial No. 331,346
6 Claims. (Cl. 15—219)



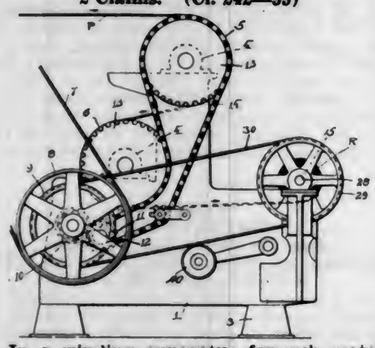
1. In a wall paper cleaning device, the combination of a holder for a plastic cleaner compound, said holder having a longitudinally arranged slot at one side, a handle for the holder, a rotatable cleaner-engaging member at the central portion of the holder having a handle on the exterior of the holder by which the mass of cleaner within the holder may be rotated to present new surfaces thereof to the said longitudinal slot, said cleaner rotating device comprising a rotatable shaft extended through the longitudinal central portion of the holder, and fingers carried by the shaft and extended from the ends of the holder toward the transverse center thereof.

2,256,745
APPARATUS AND METHOD FOR PRECOOLING VEGETABLES AND THE LIKE
Roy M. Magnuson, San Jose, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application December 13, 1937, Serial No. 179,538
10 Claims. (Cl. 62—104)



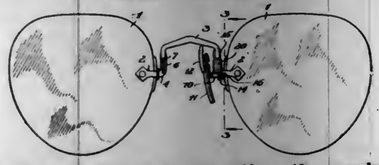
1. In a precooler comprising a tank, an enclosed chamber above said tank, a conveyor extending through said chamber above the liquid level in said tank, a trough mounted in said chamber in spaced relation above said conveyor and extending transversely to the direction of travel thereof, opposite series of transversely disposed slats extending to either side of said trough to provide a slotted partition above said conveyor, each series of slats being obliquely disposed with the slots formed therebetween facing away from said trough, and means for withdrawing liquid from said tank and discharging it into said trough.

2,256,746
WINDING APPARATUS
Charles W. Mayer, Rochester, N. Y.
Application August 2, 1940, Serial No. 349,736
2 Claims. (Cl. 242—55)



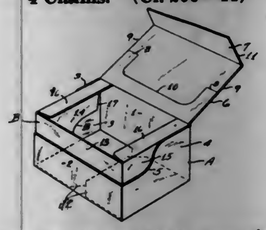
1. In a winding apparatus for web material, the combination of a driving member, a feed roll adapted to have the web material travel thereover, a rewind shaft for receiving the web material from said feed roll, a pair of antifriction bearings for supporting said rewind shaft, each of said bearings comprising a pair of rollers angularly arranged to removably support said shaft between them and prevent lateral movement of said shaft toward said feed roll, positive driving means connecting said driving member with said feed roll, and frictional driving means connecting said driving member with said rewind shaft supported in said antifriction bearings.

2,256,747
OPHTHALMIC MOUNTING
William E. McDonell, Rochester, N. Y., assignor to Shuron Optical Company, Inc., Rochester, N. Y., a corporation of New York
Application January 8, 1940, Serial No. 312,888
4 Claims. (Cl. 88—50)



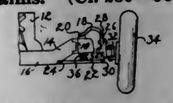
2. In an ophthalmic mounting, the combination with a combined bridge and lens connection, of a pivotal extension proceeding downwardly therefrom, a finger piece lever carrying a nose guard and provided with complementary upwardly projecting bearing means cooperating with said pivotal extension and a coiled actuating spring for the lever extensibly tensioned longitudinally and having one end engaging the latter and the other end hooked over a portion of the bridge and lens connection at a point in substantial alinement with the axis of the pivot.

2,256,748
CONTAINER
Edwin L. Mott, St. Louis, Mo.
Application October 20, 1938, Serial No. 235,984
4 Claims. (Cl. 206—44)



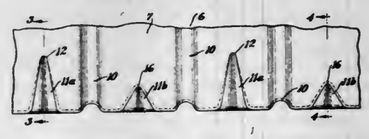
1. A multiple-use container comprising a shell having a rear wall, a front wall substantially shorter than the rear wall, side walls connecting the front and rear walls, and having upper margins contoured for connecting the upper margins of the front and rear walls, a cover-member, in combination with a removable three-sided wall-member having opposed side wings, the bottom margins of which are of substantially the same contour as the upper margins of the shell side-walls, and a front wall of substantially the same size and shape as the rear wall for cooperation with the shell in evenly supporting the cover-member when in closed position.

2,256,749
AUTOMOTIVE SUSPENSION
Ross H. Phelps, Kenosha, Wis., assignor to Nash-Kelvinator Corporation, Kenosha, Wis., a corporation of Maryland
Application May 18, 1940, Serial No. 335,989
5 Claims. (Cl. 280—96.2)



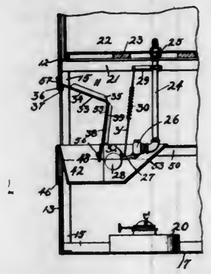
1. A steering knuckle support arm comprising an arm having vertically spaced sections of enlarged cross section defining apertures extending at right angles to one another, a steering knuckle engaging member having a side plate, a flange formed on said side plate at right angles thereto, said flange and side plate defining a pair of apertures registering with the apertures in said arm, bolts extending through said apertures for joining said arm and said steering knuckle engaging member, and rubber sleeves positioned in the apertures of said arm, said sleeves having flanges separating said arm from said bolts and said steering knuckle engaging member.

2,256,750
REINFORCED SKID PLATFORM
Edmund W. Riemenschneider, Canton, Ohio, assignor to The Union Metal Manufacturing Company, Canton, Ohio, a corporation of Ohio
Application March 21, 1940, Serial No. 325,160
4 Claims. (Cl. 248—120)



1. In a one piece sheet metal skid platform including a deck member and a leg member with a corner therebetween, longitudinally spaced transverse corrugations extending continuously around the deck and leg members, and transverse strengthening grooves formed in said corner between said corrugations and the bottom walls of said grooves being disposed at angles of less than 45° to one of said members.

2,256,751
WATERING DEVICE
Floyd C. Roe, Washington, Iowa
Application February 20, 1939, Serial No. 257,282
3 Claims. (Cl. 119—73)



1. In a watering device, the combination of a closed housing having an opening in one side, a partition comprising an inwardly extending portion from the upper edge of said opening having its inner end terminating in a downwardly extending portion, a watering trough adapted to be placed through said opening and to be supported beneath the lower edge of said partition, means for hooking the back edge of said trough to the lower edge of said partition, and means for hooking the front edge of said trough to that portion of the housing forming the lower edge of said opening, a watering tank, and means for automatically delivering water to said trough from said tank.

2,256,752
RESILIENT MOUNTING
Curt Saurer, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Original application May 17, 1938, Serial No. 208,417. Divided and this application February 2, 1939, Serial No. 254,191
5 Claims. (Cl. 248—22)



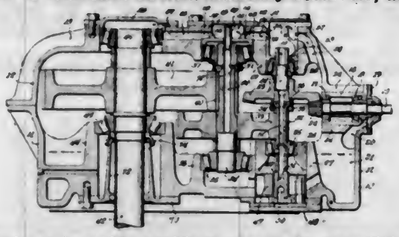
1. A resilient mounting for use between two relatively movable members comprising a rigid tubular metal structure for fixed association with one of said relatively movable members formed with an aperture in its wall, said mounting comprising a generally cylindrical body of rubber mounted in said tubular structure under compressive stress, said rubber body being formed with longitudinally extending surface grooves, a metallic core of rectangular section embedded centrally within said rubber body, said core being formed with a threaded bore opening onto the top face thereof, said rubber body being in fixed relation to the confronting surfaces of said rigid tubular structure and said core and the rubber structure having a recess co-axial with said threaded bore, said bore and recess being in axial alignment with the aperture in the tubular structure to admit a device for connecting the core to the other relatively movable member.

2,256,753
STABILIZING CRACKED GASOLINE
Walter W. Scheumann, Tulsa, Okla., assignor to Cities Service Oil Company, Bartlesville, Okla., a corporation of Delaware
No Drawing. Application February 23, 1939, Serial No. 257,959
3 Claims. (Cl. 44—9)

1. An oxidation and gum inhibitor for cracked gasoline comprising a mixture of phenolic components of cracked petroleum naphtha and phenolates thereof produced by reacting about three to twelve parts by weight of the said phenolic components with one part of an aliphatic polyamine.

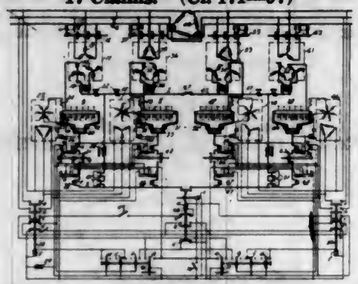
2,256,754
SPEED REDUCER
Walter P. Schmitter, Wauwatosa, and Ralph Wiken, Milwaukee, Wis., assignors to The Falk Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application November 21, 1938, Serial No. 241,536
8 Claims. (Cl. 184—6)

1. In a speed reducer having a housing including base and cover portions, a plurality of horizontally spaced vertical shafts each journalled in both said base and cover portions, and a gear train connecting said shafts, a lubrication system therefor comprising a lubricant reservoir in the base portion of said housing, an auxiliary reservoir horizontally extended substantially from shaft to shaft in the cover portion of said housing, means for transmitting lubricant from said lubricant reservoir to said auxiliary reservoir, means including a dam for predetermining the level of lubricant in said auxiliary reservoir, and



openings in said auxiliary reservoir permitting escape of lubricant onto said shafts and gear train.

2,256,755
ELECTRIC VALVE CONTROL SYSTEM
Harold Winograd, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application June 28, 1940, Serial No. 342,851
17 Claims. (Cl. 171—97)



10. In an electric translating system, an alternating current circuit, a direct current circuit, a first current converter for connecting said alternating current circuit with said direct current circuit comprising a plurality of electric valves operating during predetermined periods, a first switch for controlling the flow of current through said converter, a second current converter connected in parallel with said first converter and comprising a second plurality of electric valves operating during periods different from the first said periods, a second switch for controlling the flow of current through said second converter, and means for interrupting the flow of current between said circuits comprising means for causing simultaneous opening of said first and second switches.

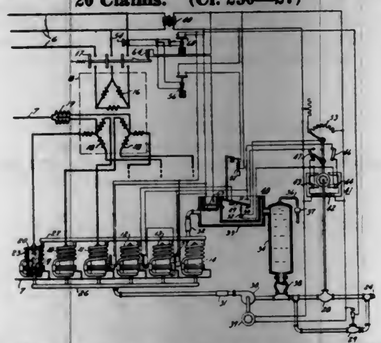
2,256,756
POWER TRANSMISSION BELT
Arthur S. Brown, Tilton, N. H., assignor to Arthur S. Brown Manufacturing Company, Tilton, N. H., a corporation of New Hampshire
Application November 7, 1939, Serial No. 303,249
1 Claim. (Cl. 74—232)



An endless power transmission belt comprising

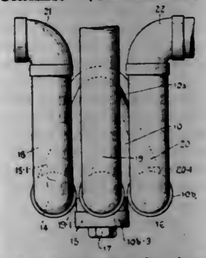
an endless and seamless inner ply of fabric, which inner ply constitutes the wear surface of the belt, an endless and seamless outer load-supporting ply having a single continuous unbroken cord extending round and round the endless ply a plurality of times with the adjacent turns of the cord lying parallel and closely arranged and held in their parallel arrangement by relatively small threads which are interwoven with the turns of the cord, the entire crimp of the interwoven thread and cord due to the weaving operation being in the small threads and the turns of the cord lying straight, and an intermediate ply of rubber which is situated between the inner and outer plies and is united to both of them.

2,256,757
ELECTRICAL VALVE CONTROL SYSTEM
Samuel R. Durand, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application November 4, 1939, Serial No. 302,817
20 Claims. (Cl. 250—27)



1. The combination with an electrical device provided with a passage adapted to conduct cooling fluid, and a source of cooling fluid connected with said passage through parallel connections, of means for controlling the temperature of said device comprising means responsive to a thermal condition of said device for controlling one of said connections, and means responsive to an electrical condition of said device for controlling another of said connections.

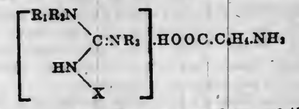
2,256,758
DEVICE FOR TRAPPING WASTE OUTLETS
William C. Groeniger, Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York
Application September 27, 1939, Serial No. 296,773
4 Claims. (Cl. 182—18)



1. In a fixture trap device for trapping a plurality of waste outlets, a plurality of individual down legs, and a single up leg serving the said plurality of down legs in common, said plurality of down legs connecting with the said single up leg below the dip of the trap device.

2,256,759
AMIDINE SALTS OF AMINOBENZOIC ACIDS
Garnet Philip Ham, Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application September 28, 1939, Serial No. 296,916
15 Claims. (Cl. 260—501)

1. Salts of aminobenzoic acids of the formula



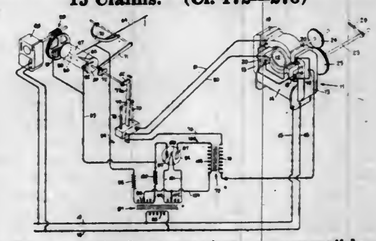
in which R_1, R_2 and R_3 are members of the group consisting of hydrogen, alkyl, hydroxyalkyl and aryl radicals and X is a member of the group consisting of R_1,



and



2,256,760
CONTROL SYSTEM
Manfred J. Johnson, Naugatuck, Conn., assignor of one-half to The Lewis Engineering Company, Naugatuck, Conn.
Application February 1, 1938, Serial No. 188,042
15 Claims. (Cl. 172—278)



2. In a control apparatus, a reversible motor; control circuits for controlling the operation of said motor; an electron tube system connected with said control circuits for causing operation of the motor; a movable actuator; means, including contacts, engageable by the movable actuator for controlling the functioning of the electron tube system in response to movement of the actuator; and circuit-control means connected in said control circuits and automatically operative in timed relation with the last-mentioned means for causing the electron tube system to operate the motor in one direction or the other, depending on the direction of movement of the actuator.

2,256,761
PLASTERBOARD
Merle P. La Chapelle, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application October 23, 1940, Serial No. 362,316
13 Claims. (Cl. 72—124)

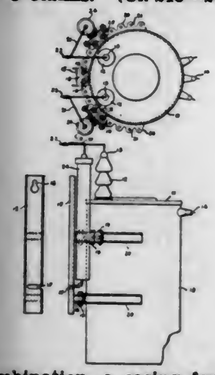
2. An integral unit for use in building construction comprising a plasterboard having an edge provided with a tongue and adapted to

engage a corresponding edge of a second plasterboard, a reenforcing member disposed on one face of said plasterboard and extending about said tongue, a flange extending from said re-



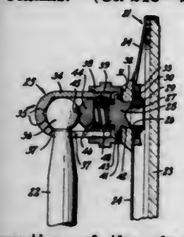
enforcing member forming a channel for the reception of the tongue of the second plasterboard, and means securing said member to the plasterboard.

2,256,762
ELECTRICAL APPARATUS SUPPORT
Donald G. McArn, Pittsburgh, and John W. McDonald, West View, Pa., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application March 22, 1939, Serial No. 263,480
3 Claims. (Cl. 248—201)



1. In combination, a casing for electrical apparatus, a terminal for said apparatus extending through said casing, a supporting member, an electrical device electrically connected to said terminal, and means for supporting said casing on said member and for supporting said device on said casing in any one of a plurality of positions of said terminal relative to said member and said device, said means comprising a flange of U-shaped cross-section supported on said casing.

2,256,763
MOUNTING FOR VEHICLE ACCESSORIES SUCH AS REARVIEW MIRRORS AND THE LIKE
Daniel E. Reed, Norwalk, Conn., assignor to Yankee Metal Products Corp., Norwalk, Conn., a corporation of New York
Application February 28, 1941, Serial No. 380,989
8 Claims. (Cl. 248—276)

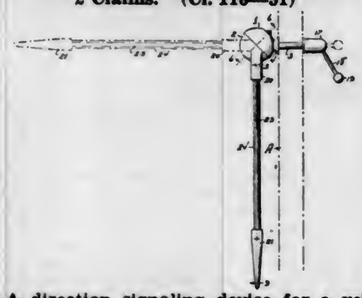


8. In a mounting of the class described for connecting a vehicle accessory member such as a rearview mirror to a supporting member, the combination of a cap with a slot, having a ball seating surface therein; a ball in said cap, adapted to be connected to one of said members through said slot; a swivel stud extending from the other of said members; a connecting collar in screw threaded relation with said cap, and mounted for rotating movement on said swivel stud; and inter-engaging means on said cap and said collar for maintaining the same against adverse unscrewing relative to each other.

2,256,764
FOODSTUFF PACKAGING PROCESS
Henery M. Scott, Sweetwater, Tenn.
No Drawing. Application September 26, 1939, Serial No. 296,708
3 Claims. (Cl. 99—178)

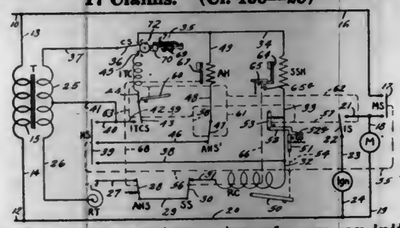
1. Process of packaging fusible cheese comprising forming an open package of sheet cellulose internally coated with a composition comprising approximately 90% beeswax and 10% turpentine, charging the package with fused cheese at a temperature such that the coating composition is softened and made adherent and immediately folding marginal parts of the package to close the same.

2,256,765
VEHICLE SIGNALING DEVICE
Casper P. Seitz, Nampa, Idaho
Application May 27, 1940, Serial No. 337,525
2 Claims. (Cl. 116—51)



1. A direction signaling device for a vehicle, comprising a signal arm, means for attaching the arm to one side of the vehicle and including a sleeve for disposal through said side, a bearing member mounted on the sleeve, a nut threaded on the sleeve for securing the bearing member against the vehicle, a shaft extending through the sleeve for rotation therein and having a square cornered end portion for disposal in the vehicle, means on the opposite end of the shaft cooperating with the signal arm for movement of the latter to a normal depending position parallel to the side of the vehicle and to signaling positions at lateral angles to said side, an annular flange formed on the bearing member and having spaced notches therein, a skirted member secured to said square cornered portion and mounted for rotation on the flange, a handle secured to the skirted member, a cup like member mounted within the skirted member and carried by said square cornered portion for slidable movement thereon, a tooth on the cup like member and receivable in any of the notches for automatically stopping the arm in either of its positions and holding the same accordingly against casual movement, and a spring between the cup like member and the skirted member for urging and holding the tooth in the notches.

2,256,766
BURNER CONTROL SYSTEM
Burton E. Shaw, Bristol, Ind., assignor to Penn Electric Switch Co., Goshen, Ind., a corporation of Iowa
Application September 18, 1940, Serial No. 357,278
17 Claims. (Cl. 158—28)



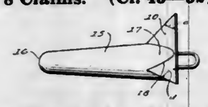
1. In a burner system, a transformer, an initial room thermostat circuit including a room thermostat, an auxiliary heater switch, means operable upon energization by the secondary of said transformer to initiate operation of the burner, a safety switch heater and combustion switch contacts, said combustion switch contacts being closed in the absence and open in the presence of combustion, a second set of combustion switch contacts open in the absence and closed in the presence of combustion, a safety switch normally closed but opened by said safety switch heater upon energization thereof for a predetermined period of time, a second circuit energized by a portion only of said secondary of said transformer and including said room thermostat, said auxiliary heater switch, and said means, a holding switch for establishing said second circuit and for maintaining it when said first combustion switch contacts are separated, said holding switch being closed by energization of said means, a third circuit energized by the remaining portion of said secondary and including said holding switch, said safety switch heater and said first combustion switch contacts, said second and third circuits being established and said initial room thermostat being altered as to current supplied thereto by closure of said holding contacts, said first combustion switch contacts failing to open in the event that combustion fails to occur and thereby maintaining said third circuit energized until said safety switch heater opens said safety switch, a fourth circuit energized by said remaining portion of said secondary and including said second combustion switch contacts, an ignition trip coil and an ignition trip coil switch, an ignition switch for the burner closed by said means when energized and opened by said ignition trip coil when it is energized, said ignition trip coil switch being also opened by said ignition trip coil to de-energize the trip coil subsequent to opening of the ignition switch thereby, and a fifth circuit through said holding switch energized by said remaining portion of said secondary and including an auxiliary heater and a second auxiliary heater switch, said second auxiliary heater switch being closed by energization of said ignition trip coil and opened by energization of said relay coil, said auxiliary heater being operable upon energization to open said first auxiliary heater switch in a period of time shorter than the period of time required to open said safety switch upon energization of said safety switch heater, said auxiliary heater being energized by closure of said first combustion switch contacts as a result of combustion failure after combustion establishment, said auxiliary heater switch being reclosed after a purging period determined by the time required for said first auxiliary heater switch to cool back to normal position.

2,256,767
STORAGE TANK CLEANER
Carl Shields, Pomeroy, Ohio
Application September 7, 1940, Serial No. 355,878
1 Claim. (Cl. 210—208)



A tank cleaner of the class described comprising a cylindrical body having its lower end open and having a conical part at its upper end terminating in a nipple, a tube having its lower end connected with the nipple, a manually operated valve at the upper end of the tube, a valve cage pressed into the lower end of the body and having a centrally arranged hole in its bottom and other holes in said bottom forming inlet openings, a valve of considerable weight carried by the cage and having a stem depending through the central opening and adapted to engage the bottom of the tank to force the valve upwardly to uncover the inlet openings, the bottom of the cage having radiating grooves therein in communication with all the openings and extending through the periphery of the bottom and a cross member at the top of the cage forming a guide for the valve.

2,256,768
FISHING LINE SINKER
Thomas K. Taylor, Berlin, Md.
Application October 14, 1940, Serial No. 361,143
8 Claims. (Cl. 43—52)

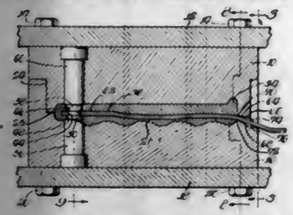


1. A fishing line sinker having an enlarged head at one end, and an integral elongated body progressively reduced in cross-section in a direction extending away from said head, said head and body defining recesses extending longitudinally of the surface of the sinker and on all sides.

2,256,769
METHOD AND APPARATUS FOR MOLDING PLASTIC OBJECTS
Leclare H. Amrine, Chicago, Ill., assignor to Imperial Molded Products Corporation, Chicago, Ill., a corporation of Illinois
Application October 10, 1938, Serial No. 234,209
6 Claims. (Cl. 18—36)

1. A pressure molding device for forming an apertured object of plastic material provided with a correspondingly apertured reenforcing core protruding outwardly from one side thereof

comprising upper and lower mold sections each provided with complementary recesses for forming a cavity corresponding to the outer dimension of the article to be molded, the walls of the cavity having complementary horizontal contacting edges, a substantially U-shaped recess in one end wall of each section positioned in face to face relation, the bight of each recess being inclined to form a knife edge at the inner end of each recess and a passage between said last mentioned walls diverging outwardly from said knife edges to the outer faces of said last mentioned walls when the



mold is closed, whereby said knife edges snugly engage the protruding end of the core and form a cut-off for the molding material within the mold and said diverging passage provides a space between the walls and the protruding end of the core to substantially prevent pressing surplus molding material in said passage against the protruding end of the core, and a lug in the cavity spaced from said knife edges and anchored to one of said mold sections insertable in the aperture of said core to prevent shifting of the core in said passage when the molding pressure is applied.

2,256,770
ELECTRICALLY HEATED ICE CREAM DIPPER
L. A. Armstrong, Oklahoma City, Okla.
Application August 7, 1939, Serial No. 288,897
1 Claim. (Cl. 219—21)

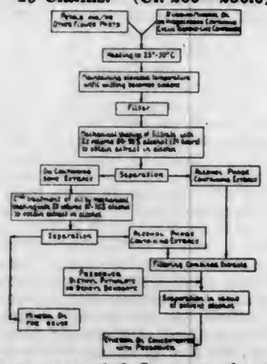


An ice cream dipper comprising a hollow handle having a concave bearing seat in one end thereof and provided with an opening intersecting said seat, an insulating jacket surrounding the handle, a double walled cup provided with a tubular member having one end thereof provided with a laterally extending flange fitting over the adjacent end of the handle and abutting against the insulating jacket, an electric heating element disposed between the walls of the cup, an electric conductor extending within the opening in the handle and operatively connected with the heating element, a strain eliminator carried by the conductor and having a spherical portion fitting within the concave bearing seat of the handle, and a switch including an operator mounted through a side wall portion of the handle for actuation by a finger of a hand grasping the handle, said switch being in the hollow handle and operatively associated with the conductor for controlling the flow of current to the heating element.

2,256,771
METHOD OF COATING ARTICLES BY CATHODE DISINTEGRATION
Bernhard Berghaus, Berlin-Lankwitz, and Wilhelm Burkhardt, Berlin-Grunewald, Germany; said Burkhardt assignor to said Berghaus
Application July 14, 1938, Serial No. 219,293
In Germany August 14, 1937
4 Claims. (Cl. 204—192)

1. The method of coating an article which comprises, surrounding the article to be coated with a housing having an inner surface formed of metallic material adapted to provide the coating for the article, sealing the housing, adjusting the pressure within the housing to support cathode disintegration therein, and electrically disintegrating particles from all points along the inner surface of said housing onto said article whereby the entire surface of the article is simultaneously coated.

2,256,772
PERFUME MANUFACTURE
Werner Freudenberg, Scarsdale, N. Y., assignor to Thomas Young Nurseries, Inc., Bound Brook, N. J., a corporation of New Jersey
Application December 18, 1937, Serial No. 180,659
19 Claims. (Cl. 260—236.6)

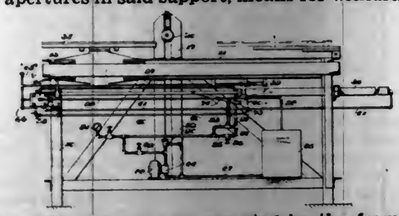


1. In a process of defleurage of a naphthenic mineral oil containing ethereal oils, the step of treating the naphthenic mineral oil with 80 to 90 per cent alcohol to extract the ethereal oils.

2,256,773
CUTTING MECHANISM
Henry Z. Gora, Bridgeport, Conn., assignor to Jenkins Bros., New York, N. Y., a corporation of New Jersey
Application August 2, 1940, Serial No. 349,553
15 Claims. (Cl. 164—61)

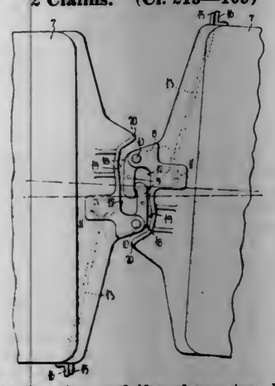
15. In a machine for severing material along angularly related lines, the combination of a support for the material to be severed, means for moving said support on forward and return strokes, cutting means disposed in the path of movement of the material on said support and adapted to operate on said material during both forward and return strokes, means for moving said support through a predetermined angle at

the end of its forward stroke, and means for automatically reversing the direction of travel of said support when it reaches the end of its forward stroke and operable only if said support has been rotated by said rotating means through a predetermined angle, said last named means including a pin for locking said support against rotation by engagement in any one of a plurality of apertures in said support, means for withdraw-



ing said locking means operated by the forward movement of said support, control means including a spring pressed member, a latch for restraining said spring pressed member, and means on said locking means for co-operation with said latch and adapted to move the same to release said spring pressed member only when said locking means moves into an aperture in said support.

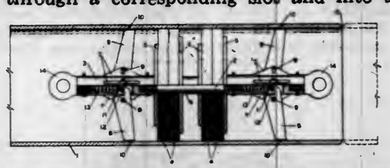
2,256,774
CAR UNDERFRAME AND COUPLER
William W. Heimberger, Upper Arlington, and Harry H. Wolfe, Groveport, Ohio, assignors to The Buckeye Steel Castings Company, Columbus, Ohio
Application April 21, 1939, Serial No. 269,270
2 Claims. (Cl. 213—109)



1. In a structure of the character described, a car underframe provided at the medial portion of one end thereof with integral spaced projections, one of said projections forming a coupler guard arm and the other a knuckle pivot pin lug, a pocket at the middle of the end of the underframe positioned between said projections, and a knuckle pivotally supported by said lug and having a nose extending toward said guard arm.

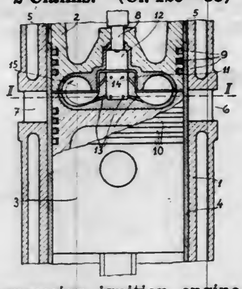
2,256,775
PIPE-LINE PLUG
Alfred W. Hubbell, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application April 18, 1940, Serial No. 330,411
3 Claims. (Cl. 138—89)

1. A pipe line plugging device comprising a central body; a plug member carried by the central body; and means including a hollow member having one end connected to the central body, a closure removably connected to the other end of the hollow member, a plurality of slots in the hollow member, a plurality of arms pivotally supported on the hollow member and extending outwardly therefrom, a portion of each arm extending through a corresponding slot and into the



hollow member, and a spring in the hollow member intermediate the closure and the portion of the arms in the hollow member for urging the arms into engagement with the inside wall of the pipe to prevent movement of the device therethrough in one direction but permitting movement of the device therethrough in the opposite direction.

2,256,776
COMPRESSION IGNITION ENGINE
George Stephen Kammer, Geneva, Switzerland
Application February 21, 1939, Serial No. 257,743.
In Germany and Switzerland November 26, 1938
2 Claims. (Cl. 123—33)

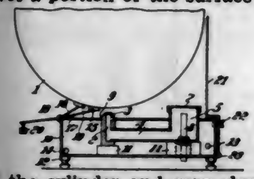


1. A compression ignition engine comprising a working cylinder, a piston movable therein, a projection on said piston in the form of a collar, cooperating near the inner dead centre of the piston with the cylinder head to constitute a part of the wall and the whole base of a precombustion space, a fuel nozzle in the cylinder head leading into the space surrounded by said collar near the inner dead centre of the piston, a recess in the piston, surrounding the collar, and said cylinder head being formed with a second recess, said recesses together constituting an annular combustion space of circular cross section which at the inner dead center position of the piston contains the greater part of the quantity of air present, and passages in the collar-wall directed substantially tangentially to the surface of the recess and at an angle to the radial.

2,256,777
PROCESS FOR UNIFORMLY COATING PRINTING SUPPORTS
Robert Kaulen, Loevenich, near Cologne-on-the-Rhine, Germany, assignor to the firm Eden A. G., Zug, Zurich, Switzerland
Application June 3, 1937, Serial No. 146,228
In Germany June 5, 1936
1 Claim. (Cl. 91—70)

Process for uniformly coating the peripheral

surface of a metal cylinder with a layer of a light-sensitive colloidal fluid coating composition for the photomechanical production of a printing form, which comprises maintaining a body of said fluid composition and the cylinder at substantially the same elevated temperature while practicing the succession of steps consisting in immersing a portion of the peripheral surface of the cylinder in the body of fluid composition so as to wet a portion of the surface for the full



length of the cylinder and very slowly rotating the cylinder about a horizontal axis to present successive portions of the surface to said fluid composition, the velocity of rotation of the cylinder being so adjusted with respect to the viscosity of the fluid composition and to the maintained temperature that the coating dries at once and draining back of fluid composition over succeeding portions of emerging surface is prevented.

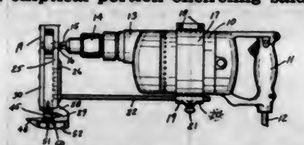
2,256,778
DECOY
John A. Lundgren, Minden, Nebr.
Application May 26, 1941, Serial No. 395,257
6 Claims. (Cl. 43—3)



1. A decoy comprising a body having a neck and a head, a strand extending longitudinally in the body along the back thereof with a portion bent to extend through the neck and the head, a tubular strut extending vertically in the body intermediate the length thereof and having its upper end connected with said strand and its lower end open and exposed through the bottom of the body, and a supporting stake having its upper portion removably received in the strut through the open lower end thereof, said stake being provided with a shoulder for engaging the strut and limiting movement of the stake into the strut.

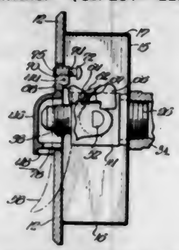
2,256,779
SHEAR ATTACHMENT FOR POWER UNITS
Gail McHenry, Muncie, Ind.
Application November 19, 1938, Serial No. 241,315
3 Claims. (Cl. 30—228)

1. A shearing attachment, adapted to be driven by a portable, hand-type electric motor, comprising an elongated tubular casing of substantially rectangular outline and including a body and a cover detachably secured thereto, a shaft rotatably supported by the upper end of the casing in both the body and the cover, an eccentric on the shaft and retained thereon within said casing by opposite walls of the latter, an annular member surrounding said eccentric and similarly retained by the aforesaid casing walls, and a reciprocable member having a shear supporting portion at one end and at its opposite end an elliptical portion encircling said annular



member for actuation thereby, the lower portion of said casing constituting an elongated four-sided guideway for said reciprocable member and the two intermediate sides being removed adjacent the elliptical portion for clearance purposes, cover removal exposing the members and eccentric for ready removal and replacement and initial assembly.

2,256,780
GAS OUTLET BOX
Robert D. McIntosh, Chicago, Ill., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application September 9, 1940, Serial No. 356,003
6 Claims. (Cl. 137—111)

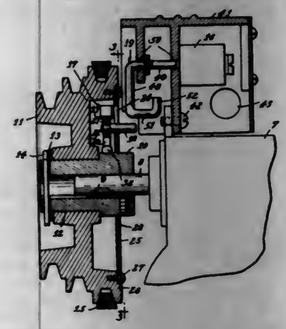


1. A gas outlet unit comprising a box having an aperture at one side and an opening at another, a cock in the box having an inlet connection extending through the aperture, and an outlet connection at said opening, a handle on the cock, a latch pivotally secured to the body of the cock normally spring pressed to a position engaging the handle when said handle is in cock closing position, a lid pivotally mounted on the box in position covering said opening, a latch actuator having an adjustable mounting on the lid and having an operative position such that when the lid is lifted the actuator is in engagement with the latch holding said latch out of engagement with the handle to permit movement of the handle for opening said cock.

2,256,781
OVERLOAD RELEASE MECHANISM
Floyd R. Nelson, Rockford, Ill., assignor to Cotta Transmission Corporation, Rockford, Ill., a corporation of Illinois
Application September 6, 1940, Serial No. 355,701
20 Claims. (Cl. 192—150)

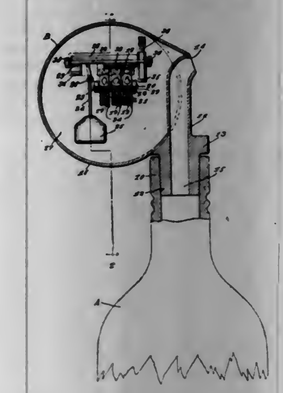
1. A combination overload release mechanism and motor switch operating mechanism comprising, in combination, a motor driven drive member, a driven shaft having a drive hub thereon relative to which the drive member is adapted to turn freely, a drive projection on the hub, a kick-out member movably mounted on the drive

member having a drive projection thereon arranged to engage the aforesaid drive projection on the hub to transmit drive from the drive member to the shaft, said drive projections being formed to have a cam action with respect to one another so that the kick-out member is moved from normal drive position when there is more than a predetermined resistance to turning of



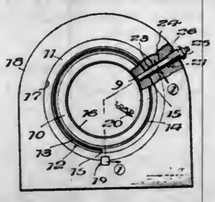
the shaft, a reset pin on the kick-out member projecting from the drive member for manual resetting purposes, a switch for controlling a motor circuit, and means for operating the switch operable upon engagement therewith by the reset pin, said pin being inoperative in relation to said means in the normal position of the kick-out member.

2,256,782
LIQUID DISPENSER
Andrew J. Pappert, Jr., Bellevue, Pa.
Application April 29, 1940, Serial No. 332,386
2 Claims. (Cl. 273—143)



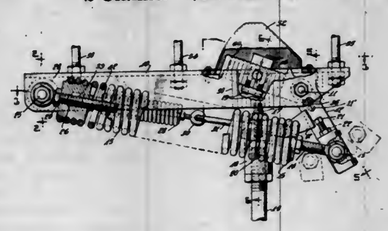
1. A chance device, comprising a casing, a rotatable shaft carried by the casing, a series of wheels carried by the shaft, symbols on the periphery of the wheels, abutments carried by the wheels, a spring tension actuator blade mounted in the casing and adapted to strike the abutments and rotate the wheels, and a pendulm for moving the spring tension actuator blade against the tension of the spring and releasing the same, whereby the rocking of the casing causes a rotation of the wheels.

2,256,783
BEARING
Reginald J. S. Pigott, Pittsburgh, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application June 19, 1940, Serial No. 341,369
9 Claims. (Cl. 308—26)



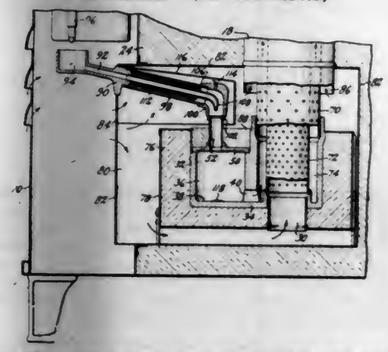
1. In a bearing for rotary members, an annular bearing means for a rotary member, a relatively thin-walled mounting annulus surrounding the bearing means and arcuately slotted through the wall continuously throughout an arc greater than 180° so as to leave an arcuate flexible supporting web, and support means engaging and supporting the mounting annulus.

2,256,784
SPRING DEVICE
Joseph Kaye Wood, Providence, R. I., assignor to General Spring Corporation, New York, N. Y., a corporation of New York
Application February 28, 1939, Serial No. 259,009
2 Claims. (Cl. 248—54)



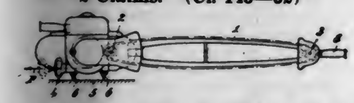
1. An adjustable constant tension support adapted for carrying high temperature pipe lines, of the type having a spring, a crank arm connected to the spring for transmitting the force of the spring to the pipe line load carried thereby, said crank arm varying the mechanical advantage between the spring and load as the load moves, a supplemental spring connected to the crank arm and adapted to compensate for variation in the force of the first spring as applied to the load, and a fixed frame in which said crank arm is pivotally mounted and to which one end of the first-named spring and one end of the supplemental spring, respectively, are connected, and which support further comprises an adjusting device for said first-named spring having a scale, and an adjusting device for said second-named spring having a scale, each of said scales having corresponding graduations to indicate corresponding adjustments of said respective springs to give compensation to the first spring by the supplemental spring, and a travel indicator having cooperating parts on the crank arm and frame respectively, to show variations in the position of the pipe line load caused by thermal expansion and contraction, whereby the adjustment of the adjusting devices may be related to the position of the operating parts.

2,256,785
FUEL COMBUSTION
Gustaf Dalén, Lidingo, and Gustaf Erik Björklund, Stockholm, Sweden, assignors to Svenska Aktiebolaget Gasaccumulator, Stockholm, Sweden, a corporation of Sweden
Application October 2, 1937, Serial No. 166,916
In Sweden February 13, 1932
19 Claims. (Cl. 158—117.5)



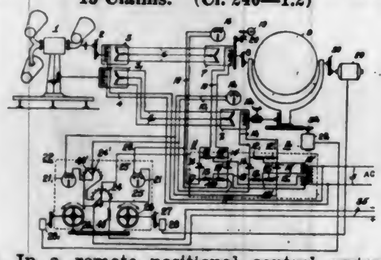
1. The method of producing heat by the aid of a vaporizer having a vaporizing chamber and a hot contact vaporizing surface which includes causing liquid hydro-carbon fuel to fall onto said surface and forming vapor thereof, flowing an oxygen-bearing gaseous fluid of different chemical nature than the hydro-carbon fuel into contact with the falling fuel at a temperature below the ignition temperature of said vapor, enshrouding the falling fuel with said gaseous fluid, restricting the quantity of said flowing gaseous fluid to a degree causing the gaseous fluid to be mixed with said vapor to form a mixture so rich in fuel vapor as to be non-combustion supporting before a zone of ignition temperature is reached by the flowing gaseous fluid, withdrawing the non-combustion supporting gaseous contents of said vaporizing chamber, mixing such contents with sufficient air after withdrawal from the chamber to provide a combustion supporting mixture, and burning said combustion supporting mixture.

2,256,786
PORTABLE MOTOR-DRIVEN SAW
Oswald Rudolf Fritz, Vienna, Germany, assignor to the firm Ural-Maschinen-Vertriebsgesellschaft m. b. H., Vienna, Germany
Application October 15, 1938, Serial No. 235,165
In Germany October 20, 1937
2 Claims. (Cl. 143—32)



1. A portable chain-saw construction comprising an endless chain-saw, an internal combustion engine for actuating said chain-saw, said engine comprising a starter, oblong supporting means for said engine, said supporting means serving also to support said chain-saw, the latter following substantially the oblong contour of said supporting means, said starter comprising pulling means for starting the engine, said pulling means being operative in substantially the same longitudinal plane as said supporting means and adapted to receive a longitudinally directed pulling force for starting the engine, whereby torsional strains on said oblong engine supporting means are prevented during the starting of the engine.

2,256,787
REMOTE POSITIONAL CONTROL SYSTEM
Edward F. Lazar, New York, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application January 3, 1938, Serial No. 183,007
13 Claims. (Cl. 240—1.2)



1. In a remote positional control system, a sound locator, a remote searchlight arranged to be controlled in accordance with data transmitted from said sound locator, transmission means for conveying the data directly from said sound locator to said searchlight for comparison thereat with the actual position of said searchlight, a control station located at any desired position about said searchlight and remote therefrom, means for converting the results of said compared data into a reversible direct current voltage, a right-left meter at said control station fed from said voltage, and a distant electrical control system connecting said control station and said searchlight for operating the latter in accordance with said meter indications.

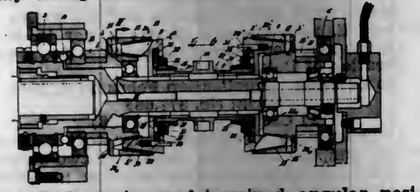
2,256,788
COPPER-ZINC ALLOY
Wolf Johannes Müller and Moritz Niessner, Vienna, Germany, assignors, by mesne assignments, to Aktiengesellschaft Dynamit Nobel, Pressburg, Czechoslovakia, a company
No Drawing. Application June 25, 1938, Serial No. 215,856. In Austria June 21, 1934
2 Claims. (Cl. 75—155)

1. A corrosion-resistant copper-zinc alloy which is workable in the cold state, comprising copper in an amount of 30% to 45%, at least one metal of the group cobalt and nickel in an amount of 3% to 12%, manganese in an amount of 4% to 15%, iron 0.5% to 1.5%, and aluminum which is capable of increasing the corrosion resistance of the alloy, said aluminum being present in no greater amount than is soluble in the solid solution and which could substantially impair the workability of the alloy in the cold state, the zinc constituting substantially all the remainder.

2,256,789
CLUTCH DEVICE
Marcel Pégard, Paris, France
Application January 3, 1940, Serial No. 312,219
In France August 26, 1939
5 Claims. (Cl. 192—66)

1. A clutch device which comprises, in combination, a grooved driving shaft, a female part provided with a circular groove of trapezoidal axial section, freely rotatable coaxially relatively to said shaft, a male part adapted to cooperate with said female part engaged on said grooved

shaft so as to be slidable longitudinally but fixed angularly with respect thereto, a control sleeve coaxial with said shaft and movable with respect thereto, an annular device fixed to said male part and adjustably screwed on said sleeve, retractable locking means for automatically fixing said annular device with respect

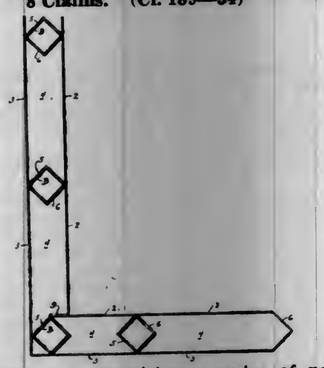


to said sleeve in predetermined angular positions, and contact elements carried by said male part adapted to engage in said groove of the female part, said contact elements being slightly flexible so as to be capable of fitting accurately in said groove, whereby a good working is obtained even when the two parts of the clutch are not perfectly coaxial.

2,256,790
PRODUCTION OF ALUM AND ALUMINUM SALTS
Robert Edgar Pennell, Anderson, S. C.
No Drawing. Application November 14, 1938, Serial No. 240,340
3 Claims. (Cl. 23—118)

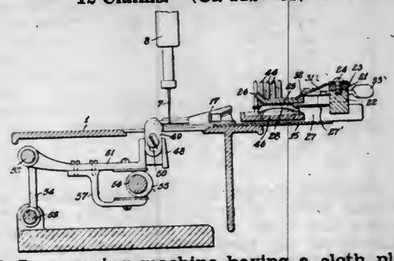
3. A process for producing an alkali alum which comprises reacting an alkali chloride with substantially twice the quantity of sulphuric acid necessary to produce the bisulphate, heating the reaction mixture by the injection of steam, thus producing a reaction mixture consisting of an alkali bisulphate and free sulphuric acid and gaseous hydrochloric acid, reacting the mixture of sulphuric acid and bisulphate with sufficient aluminous material to form the alum, the sulphuric acid being maintained in such concentration during the first reaction that substantially all the hydrochloric acid formed is removed before the reaction of the mixture with the aluminous material.

2,256,791
BUILDING UNIT AND INTERLOCK THEREFOR
Otto Schroeder, San Francisco, Calif., assignor to Soule Steel Co., San Francisco, Calif., a corporation of California
Application December 20, 1939, Serial No. 310,201
8 Claims. (Cl. 189—34)



1. A structure comprising a series of panels having outer and inner spaced apart walls, said walls being connected at their opposite longitudinal edges by a plurality of spaced outwardly extending knuckle members, the knuckles on adjacent panels being staggered to permit the knuckles of one panel to enter between the knuckles of the adjacent panel, and a member insertable through the knuckles of two abutting panels to interlock the panels said member substantially filling the space between the outer and inner walls of the panels and supporting the major portion of any load to which the panels may be subjected.

2,256,792
APPARATUS FOR MAKING TRIMMINGS
Charles Seaman, Jamaica Estates, N. Y.
Application June 25, 1938, Serial No. 215,724
12 Claims. (Cl. 112—63)

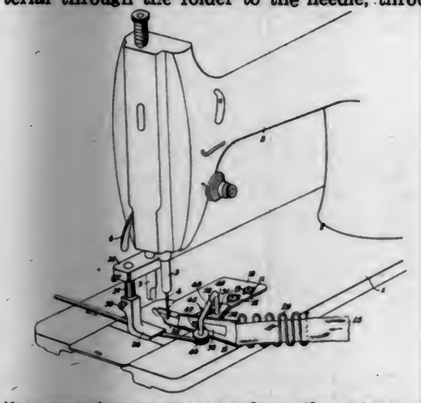


7. In a sewing machine having a cloth plate and a conventional four-motion feed-actuating mechanism, including a feed bar, beneath the cloth plate, a needle to stitch material passed thereunder, a folder in advance of said needle to fold the material about its longitudinal axis and bring the longitudinal edges in substantially superposed relationship and present the thus folded material in position for stitching adjacent the superposed edges, said folder having a tubular member adjacent one end thereof to turn the thus stitched material inside out, the direction of travel through said tubular member being opposite to the direction of travel of the material to the needle, and means to progressively pull the material through said folder and feed the folded material to and away from said needle and through said means to turn the stitched material inside out, said means comprising feed dogs disposed wholly above the cloth plate and laterally of and wholly out of the path of travel of the needle, an arm extending over said cloth plate and carrying said feed dogs, means attaching said arm to the feed bar of said four-motion feed-actuating mechanism, and a presser foot mounted on said work support to cooperate with said feed dogs, said feed dogs and presser foot being disposed relative to the folder to receive the reversed stitched product as it passes from said folder.

2,256,793
SEWING MACHINE AND ATTACHMENT THEREFOR
Charles Seaman, Jamaica Estates, N. Y.
Application February 21, 1940, Serial No. 320,064
8 Claims. (Cl. 112—63)

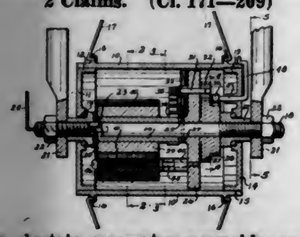
1. In a sewing machine having a reciprocating needle and a conventional four-motion feed-actuating mechanism beneath the cloth plate, a folder adapted to fold a material about its longitudinal axis and bring the longitudinal edges in superposed relationship and present the thus

folded material in position for stitching by the needle adjacent the superposed edges, said folder having means to reverse the stitched material and means permitting the stitched product to be fed from said folder, and means to engage the stitched product and feed the same from the machine, said engaging means also feeding the material through the folder to the needle, through



the reversing means and from the folder, said engaging means comprising feed dogs positioned beneath the cloth plate, said feed dogs being mounted on the four-motion feed bar of said four-motion feed-actuating mechanism and having its work-engaging surfaces laterally spaced a substantial distance from and wholly laterally of the line of feed past the needle, and a presser foot cooperating with said feed dogs.

2,256,794
ELECTRIC LIGHTING GENERATOR FOR VELOCIPEDES
George L. Schwab, Denver, Colo.
Application November 15, 1940, Serial No. 365,738
2 Claims. (Cl. 171—209)

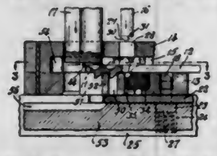


1. An electric generator assembly comprising, a frame having two spaced supporting members, a shaft extending between the members and nonrotatably secured thereto, a driving member rotatably mounted on the shaft adjacent one supporting member, a plate nonrotatably attached to the shaft and spaced from the driving member, a spur gear rotatably mounted on that portion of the shaft between the plate and the driving member, a sleeve rotatably mounted on the shaft on the side of the plate opposite from the spur gear, the end of the sleeve adjacent the plate having gear teeth, means comprising a one way clutch mechanism for transmitting motion from the driving member to the spur gear, means comprising a gear train carried by the plate for transmitting motion from the spur gear to the sleeve, a permanent magnet carried by the sleeve, and an armature comprising a wire enclosed core of magnetic material carried by the plate and positioned adjacent the electromagnet in position to be subjected to a flux variation when the magnet is rotated.

2,256,795
MAGNESIA-LIME-SILICA REFRACTORY
Gilbert E. Seil, Cynwyd, Pa., assignor to E. J. Lavino and Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application February 6, 1941, Serial No. 377,665
11 Claims. (Cl. 106—58)

1. The process of making refractory material which comprises treating separately two batches of magnesia-lime and silica starting materials, heating each batch to yield a clinker comprising at least periclase plus calcium orthosilicate from one batch and a clinker from the other batch comprising at least periclase plus monticellite, mixing proportions of each batch of clinker so that in the mixture there is the desired percentage of periclase, calcium orthosilicate and monticellite desired for service purposes, and firing said mixture.

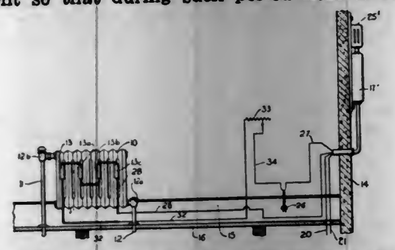
2,256,796
MANUFACTURE OF SEPARABLE FASTENER ELEMENTS
John Giovanni Soave, Long Island City, N. Y., assignor to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York
Application July 3, 1939, Serial No. 282,686
20 Claims. (Cl. 29—34)



1. In a machine for making separable fastener elements having head portions and jaws, the combination with a die, of a shearing punch having a forward cutting edge of substantially the same contour as the outer edges of the head portion and jaws of an element and having a bottom face advanced in the region of the central portion of said front cutting edge whereby in the shearing operation of said punch the advanced portion of said bottom face initially engages the material of which the element is to be constituted and coacts with the die to compress said material so as to reduce the thickness thereof in such region.

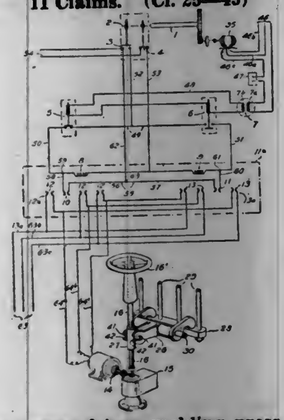
2,256,797
TEMPERATURE CONTROL SYSTEM
William K. Walker, New York, N. Y., assignor, by mesne assignments, to American Radiator & Standard Sanitary Corporation, New York, N. Y., a corporation of Delaware
Application April 19, 1938, Serial No. 202,845
10 Claims. (Cl. 236—91)

1. Apparatus for controlling the temperature of a building space comprising a thermal element in heat-transfer relation with respect to said space and adapted to be supplied with a thermal medium; an enclosure located outside of said building space and in heat-dissipating relation with the outdoor atmosphere so that the rate of heat dissipation therefrom is determined partly by the outdoor temperature; electrical heating means for supplying heat to said enclosure; an electrical resistance element subjected directly to the temperature of said thermal element and being so constructed that the value of its resistance varies in proportion to its temperature; an electrical circuit including means for constantly energizing the same during the period when the outdoor temperature is below a value where temperature regulation in the building space is desired and said circuit connecting said electrical heating means and said electrical resistance element so that during such period heat is con-



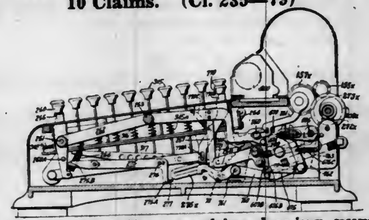
tinuously supplied to said enclosure and the amount of heat supplied thereto varies in proportion to the temperature of said thermal element; and thermostatic means responsive to the enclosure temperature as affected by the amount of heat supplied by said electrical heating means and the rate at which heat is dissipated to the outdoor atmosphere, and operable to regulate the amount of thermal medium supplied to said thermal element in accordance with said enclosure temperature.

2,256,798
CONTROL APPARATUS FOR MOLDING PRESSES
George L. Yeakel, Norristown, Pa., assignor to E. J. Lavino and Company, Philadelphia, Pa., a corporation of Delaware
Application January 18, 1940, Serial No. 314,501
11 Claims. (Cl. 25—45)



8. In a power driven molding press having a mold and adapted to operate in a load cycle having a cyclic power demand, in which cycle the material is fed to the press in a first operating phase to fill the mold, the material compressed in a second operating phase and the compressed material removed from the mold in a third operating phase, said press further having a bottom plunger means, means for filling the mold with the material to be pressed, and means for regulating the position of the plunger during the mold-filling phase, comprising a pressure adjusting screw, a reversing motor for operating the adjusting screw, a reversing magnetic line starter for starting the reversing motor and provided with holding coils for establishing magnetic holding circuits, dual switch contact means for operating the reversing magnetic line starter to run the motor in the one or the other direction, said dual contact means being of the current-responsive type constructed and adjusted on the one hand to close a circuit in response to power demands at or below a lower limit value, and on the other hand to close another circuit in response to power demands at or above an upper limit value, no contact being made at power demands between said lower and said upper value, a momentary contact switch timed with the operating cycle of the press for making contact at the time of peak power demand on the press driving motor, circuit means for establishing the one or the other of said respective circuits through said contact switch means and the holding coils of said line starter when said momentary switch is closed, to actuate said line starter in response to said upper or lower power demands so as to rotate the reversing motor in the one or the other direction respectively, and a stop switch controlling the magnetic holding circuits for the magnetic line starter, and timed with the load cycle of the press for stopping the reversing motor after a predetermined period of running time.

2,256,799
CALCULATING MACHINE
Harold T. Avery, Oakland, Calif., assignor to Marchant Calculating Machine Company, a corporation of California
Original application July 15, 1931, Serial No. 550,855. Divided and this application May 26, 1934, Serial No. 727,709. Renewed December 29, 1938
10 Claims. (Cl. 235—79)

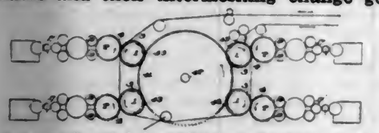


1. In a calculating machine having numeral wheels, and a keyboard comprising keys and means whereby said keys may be latched in set position; the combination with non-repeat mechanism comprising devices for automatically unlatching said keys and manually settable devices for rendering the automatic devices operable or inoperable, and control means operable to cause the machine to divide an amount registered on said numeral wheels by an amount set in said keyboard, including a member adjustable to control and to effect the operation, of connecting devices between the operating means and the nonrepeat mechanism, settable by said adjustable member to disable the unlatching devices.

2,256,800
WEB PRINTING ROTARY PRESS
Howard M. Barber, Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I., a corporation of Delaware
Application December 23, 1939, Serial No. 310,788
16 Claims. (Cl. 101—181)

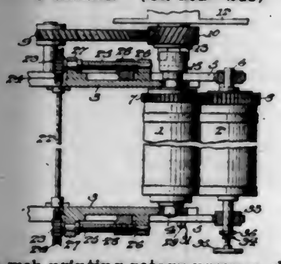
1. In a web printing rotary press, a printing

couple comprising change impression and form cylinders and their intermeshing change gears



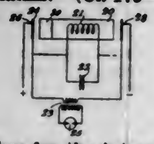
and means for driving the impression and form cylinders comprising permanent intermeshing main and auxiliary gears.

2,256,801
ROTARY PRINTING PRESS
Howard M. Barber, Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I., a corporation of Delaware
Application January 8, 1940, Serial No. 312,897
6 Claims. (Cl. 101—248)



1. In a web printing rotary press a change impression cylinder, a change form cylinder, change gears operatively connecting the cylinders, a drive for the impression cylinder, and means for rotatively adjusting the impression cylinder to cause it to rotatively adjust the form cylinder through said change gears, said impression and form cylinders being removable with their gears without disturbing the drive.

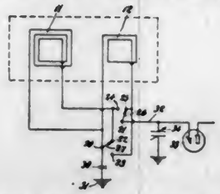
2,256,802
INTERMITTENTLY OPERATING ELECTRICAL APPARATUS
Samuel Feingold, New York, N. Y., assignor to Abraham Sprung, New York, N. Y.
Application May 28, 1937, Serial No. 145,286
5 Claims. (Cl. 175—373)



2. In apparatus for the intermittent operation of electrical devices, an electromagnetic device having a coil, an armature for said device connected to said coil, a condenser connected in parallel with said coil, an electric load device connected between one terminal of a source of direct current and the armature, said armature being adapted to be connected to the other terminal of said source of current when the coil is unexcited, and means for causing discharge of the condenser only through the mentioned coil.

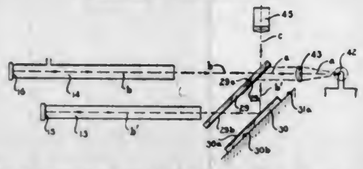
2,256,803
ANTENNA SYSTEM FOR RADIO RECEIVING SETS
Eric Hauser, New York, N. Y.
Application August 17, 1939, Serial No. 290,545
1 Claim. (Cl. 250—14)

In an antenna system for a radio receiving set having a pair of windings adapted to take the place of an antenna and antenna coil for two wave bands and being sufficiently spaced to prevent absorption of energy from each other, a lead for connection with a ground provided with a ground condenser, another lead for connection with the antenna terminal of a radio receiving set, a double throw double pole gang switch having two movable contacts mounted together to move as a unit and two stationary poles for each movable contact and having one of its movable contacts connected with said first



named lead and having the other of its movable contacts connected with said second named lead, a circuit connecting one of said windings with one of said movable contacts and with one pole of each group of said two stationary poles, and another circuit connecting the other of said windings with the said one of said movable contacts and with the remainder of said stationary poles, and said movable contacts being normally in positions in which one of said windings is short circuited on said first named lead and the other winding is connected with the second named lead.

2,256,804
PRESSURE MEASURING MEANS
Roy T. Hurley, Dobbs Ferry, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application October 21, 1937, Serial No. 170,155
7 Claims. (Cl. 88—14)

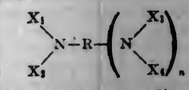


4. In a pressure measuring device, a chamber connected to the atmosphere, an evacuated chamber, a source of light, means for dividing a beam of light from said source into two separate beams and for directing one of said separate beams into one of said chambers and the other of said separate beams into the other of said chambers, means for reflecting said separate beams back along their original paths, said dividing means serving as the means for recombining said reflected beams, and means for viewing the image of the recombined beams.

2,256,805
VAT DYE COMPOSITION
Jean G. Kern, East Aurora, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application November 28, 1938, Serial No. 242,741
9 Claims. (Cl. 8—70)

1. A vat dye composition comprising a vat dye

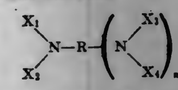
and an organic amino compound of the following general formula:



wherein R represents a radical consisting of lower alkyl groups joined together by a member selected from the group consisting of oxygen and sulfur; X_1, X_2, X_3, and X_4 each represents a member selected from the group consisting of hydrogen, alkyl radicals, aralkyl radicals, and hydroxyalkyl radicals, at least one of the substituents represented by X_1, X_2, X_3, and X_4 being a hydroxyalkyl radical when the radical represented by R is free from hydroxyl groups; and n represents a whole number not greater than 2.

2,256,806
VAT DYE COMPOSITION
Jean G. Kern, East Aurora, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application November 28, 1938, Serial No. 242,742
11 Claims. (Cl. 8—70)

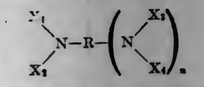
1. A vat dye composition comprising a vat dye and a hydroxylated aliphatic polyamine of the following general formula:



wherein R represents an alkyl radical, X_1, X_2, X_3, and X_4 each represents a member selected from the group consisting of hydrogen, alkyl radicals, an ethylene radical formed by X_1 and X_3 together when R is an ethylene radical and n is 1, aralkyl radicals, and hydroxyalkyl radicals containing a maximum of three hydroxyl groups, at least one of the substituents represented by X_1, X_2, X_3, and X_4 being a hydroxyalkyl radical of said class when the radical represented by R is free from hydroxyl groups; and n represents a whole number not greater than 2.

2,256,807
PROCESS OF DYEING WITH VAT DYES
Jean G. Kern, East Aurora, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application November 28, 1938, Serial No. 242,743
10 Claims. (Cl. 8—34)

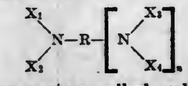
1. In the dyeing of textile fibers with vat dyes from a dye bath, the improvement which comprises carrying out the dyeing with the aid of a polyamino compound of the following general formula:



wherein R represents a radical consisting of lower alkyl groups joined together by a member selected from the group consisting of oxygen and sulfur; X_1, X_2, X_3, and X_4 each represents a member selected from the group consisting of hydrogen, alkyl radicals, aralkyl radicals, and hydroxyalkyl radicals, at least one of the substituents represented by X_1, X_2, X_3, and X_4 being a hydroxyalkyl radical when the radical represented by R is free from hydroxyl groups; and n represents a whole number not greater than 2.

2,256,808
PROCESS OF DYEING WITH VAT DYES
Jean G. Kern, East Aurora, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application November 28, 1938, Serial No. 242,744
11 Claims. (Cl. 8—34)

1. In the dyeing of textile fibers with vat dyes from a dye bath the improvement which comprises carrying out the dyeing with the aid of a hydroxylated aliphatic polyamine of the following general formula:

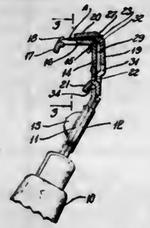


wherein R represents an alkyl radical; X_1, X_2, X_3, and X_4 each represents a member selected from the group consisting of hydrogen, alkyl radicals, an ethylene radical formed by X_1 and X_3 together when R is an ethylene radical and n is 1, aralkyl radicals, and hydroxyalkyl radicals containing a maximum of three hydroxyl groups, at least one of the substituents represented by X_1, X_2, X_3, and X_4 being a hydroxyalkyl radical of said class when the radical represented by R is free from hydroxyl groups; and n represents a whole number not greater than 2.

2,256,809
PRODUCTION OF RESIST EFFECTS
Jean G. Kern, East Aurora, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application November 28, 1938, Serial No. 242,745
13 Claims. (Cl. 8—67)

1. A resist printing paste for the production of resist effects on oxidation colors comprising a thickener and a hydroxylated aliphatic polyamine free from amino-substituents other than alkyl radicals, aralkyl radicals and hydroxyalkyl radicals.

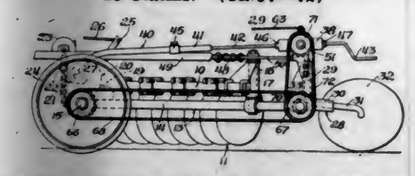
2,256,810
RAZOR
Leopold Kuhnl, Bridgeport, Conn., assignor to Magazine Repeating Razor Company, New York, N. Y., a corporation of New Jersey
Application July 3, 1940, Serial No. 343,683
2 Claims. (Cl. 30—40)



1. In a razor, a shaving head comprising two members, one member comprising a blade platform provided with a support therefore and a guard, the blade platform and support being at an angle to each other, the second member comprising a back plate adjacent the support and a blade clamping plate overlying the blade platform, a spring under tension resiliently retaining the two members in nesting relation, the direction of tensional force exerted by the spring being the resultant of two components one acting to

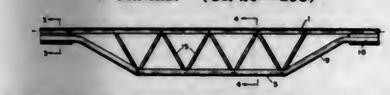
draw the clamping plate and the blade platform together and the other acting to draw the back plate and the blade platform support together.

2,256,811
POWER DEPTH CONTROL
Alexus C. Lindgren, Chicago, Ill., and Arthur A. Scarlett, Hamilton, Ontario, Canada, assignors to International Harvester Company, a corporation of New Jersey
Application August 9, 1939, Serial No. 289,150
13 Claims. (Cl. 97—72)



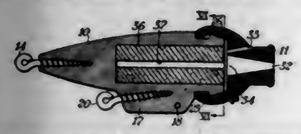
1. In a ground-working implement, a forwardly and laterally extending tool beam, working tools carried by the tool beam, a truck structure for supporting the rear end of the beam including a land wheel and an adjustable rear furrow wheel, and means operable by movement of the implement over the ground for effecting a depth regulating adjustment of the rear furrow wheel to regulate the working depth of the tools by adjustment of the beam and tools about the land wheel as a pivot.

2,256,812
METHOD OF FABRICATING JOISTS
William B. Miller, Lakewood, Ohio
Application October 6, 1939, Serial No. 298,275
5 Claims. (Cl. 29—155)



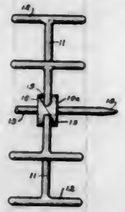
1. The method of fabricating a joist comprising, fixing a pair of chords, each having a row of holes, in parallelly spaced relation to each other, jig-clamping converging pairs of meeting and mitered ends of an initially composite connecting webbing within so that they project beyond the holes of both chords respectively to provide adequate weld material there, while establishing points of quadruple intersection by the center of gravity lines of each pair of meeting webbing ends and by both neutral axes of the chord through which said webbing ends project and then welding all the pairs of said meeting ends to achieve a balanced chord with increased webbing resistance.

2,256,813
ARTIFICIAL MINNOW
Joseph J. Mikina, Detroit, Mich.
Application February 28, 1940, Serial No. 321,202
10 Claims. (Cl. 43—46)



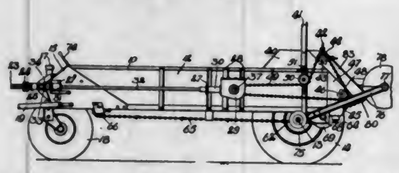
1. In an artificial fish lure, in combination, a body having a chamber therein and having in said chamber a quantity of material which when moistened with water generates a gas, the body having a passage therein through which water may flow to said chamber and also having a passage through which gas formed in said chamber may escape and be released from the body as bubbles to provide a breathing appearance.

2,256,814
RECAP TIRE BALANCE WHEEL
Chris L. Peterson, Cheyenne, Wyo.
Application October 14, 1939, Serial No. 299,490
1 Claim. (Cl. 144—288)



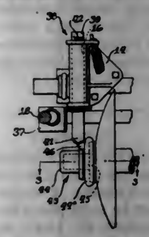
A device for use in balancing tires and insertible into the latter for supporting them, comprising in combination, a hub having an opening for the reception of a shaft, the hub being separated into two parts along a plane extending diagonally across the central opening, one of the adjacent surfaces having a groove and the other a cooperating tongue, said tongue and groove permitting relative movement in the direction of the groove, but preventing relative rotary movement about the axis of the central opening, each part of the hub having a plurality of radial spokes, a cross bar attached to the outer end of each spoke, the axes of the cross bars being parallel with the axes of the central opening, the outer surfaces of the cross bars being spaced the same distance from the center of the opening in the hub, the parts being statically balanced with respect to the center of the shaft receiving opening.

2,256,815
MANURE SPREADER
Clemma R. Raney, Riverside, and Raymore D. MacDonald, Western Springs, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application March 2, 1939, Serial No. 259,394
17 Claims. (Cl. 275—6)



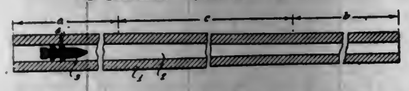
1. In a material spreader connected to a tractor having a power shaft, said spreader including a body having a rear axle and wheels thereon, an apron and a beater, the combination with the apron and beater, of drive means therefor connected to the tractor power shaft, said means including drive elements at one side of the body and connected to the beater, and second drive elements at the other side of the body for the apron including a drive member carried on the axle.

2,256,816
PLOW
Arthur A. Scarlett, Hamilton, Ontario, Canada, assignor, by mesne assignments, to International Harvester Company, Chicago, Ill., a corporation of New Jersey
Application November 29, 1940, Serial No. 367,751
10 Claims. (Cl. 97—53)



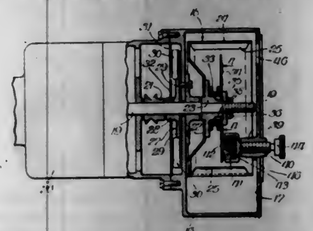
1. In combination, a frame, a gang of disks supported from the frame, a wheeled truck, a member adapted to be secured to the frame in any one of a plurality of adjusted positions, and a part on said wheeled truck adapted to be pivotally connected to said member and adapted to support the end of the disk gang.

2,256,817
BARREL RIFLING MEANS
Edwin B. F. Schneck, Detroit, Mich.
Application June 3, 1940, Serial No. 338,469
6 Claims. (Cl. 90—28.1)



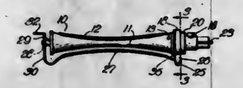
1. Means for cutting a rifle groove in the wall of a bore, comprising a body having a shape and size such that it fits snugly within the bore, said body having at least one spiral groove in the surface thereof, and a cutter received in said groove track and adapted to move therethrough with respect to said bore and said body while said body is held in the bore.

2,256,818
SPEED CONTROL MEANS FOR PROJECTORS
Philmore F. Sperry, Chicago, Ill., assignor to Revere Camera Company, Chicago, Ill., a corporation of Delaware
Application June 24, 1939, Serial No. 280,948
10 Claims. (Cl. 188—83)



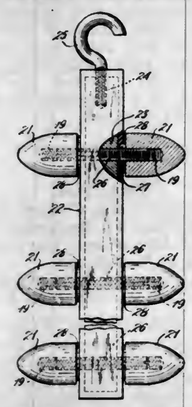
1. In a mechanism of the type described, the combination of a support, a shaft rotatably mounted on said support, a thin resilient plate of metal mounted on said shaft in transverse position thereon so as to rotate with the shaft, a second support in spaced relation to said plate, and a bearing member having a face portion of frictional material adjustably mounted on said second support so as to be movable longitudinally of the shaft for pressing with a variable degree of pressure against said plate at one point only adjacent to its periphery for controlling the speed of rotation of said shaft and serving to displace said plate slightly longitudinally of the shaft at the point of pressure thereon.

2,256,819
HAIR CURLER
Bernard A. Sterling, Chicago, Ill.
Application June 28, 1939, Serial No. 281,617
7 Claims. (Cl. 132—33)



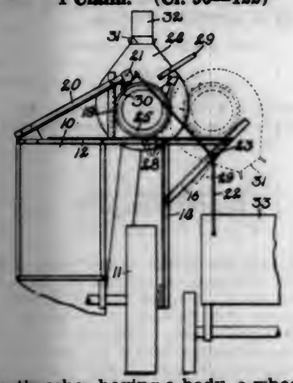
1. A hair waving curler comprising a spool, a retainer for gripping a strand of hair to said spool, a tensioning tongue carried by said spool for tensioning the hair as it is wound on the spool, said spool being adapted to be turned relative to said tongue, and a pin projecting endwise from said spool, said tongue being turned in and adapted for releasable engagement with said pin.

2,256,820
ANODE SALVAGING
George W. Veale, Grass Lake, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application December 4, 1937, Serial No. 178,103
1 Claim. (Cl. 204—288)



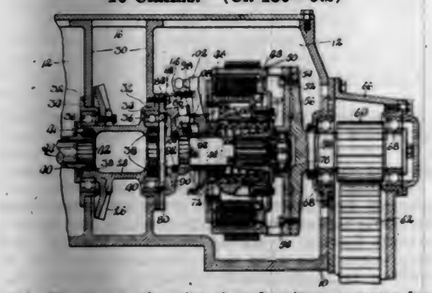
An anode structure of the character described comprising an elongated metal member encased in a protective rubber covering and having threaded openings at points spaced therealong, a plurality of threaded pins screwed into said openings and having their threaded outer ends extending beyond the rubber covering, and soluble portions having threaded openings therein and being connected with said elongated member in abutting relation thereto by being screwed onto the pins, said pins being made of the same kind of material as said soluble portions and said soluble portions being of maximum thickness adjacent the end thereof abutting said elongated member whereby the soluble portions will remain connected with the pins until they are substantially used up.

2,256,821
GRAIN TANK FOR HARVESTER-THRESHERS
Albert B. Welty, Moline, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application March 2, 1939, Serial No. 259,407
1 Claim. (Cl. 56—122)



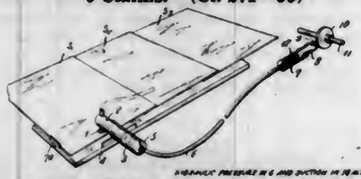
For a thresher having a body, a wheel supporting the same, a framework extending from the body and into an overhanging position with respect to the wheel laterally from the body, horizontal track-like tank supporting means disposed on said framework, a grain tank mounted above said supporting means, said tank having a grain receiving opening at the top thereof and being provided with an arcuate supporting portion in rolling engagement with the supporting means on the frame structure, said arcuate portion have a center below the center of gravity of a loaded tank in upright grain receiving position, means to deliver grain to said tank and releasable tank retaining means, said tank when loaded being readily tilted when released for rolling along the frame work to a top downward wheel-overhanging dumping position.

2,256,822
TRACTOR
David B. Baker, Riverside, Clifford R. Rogers, Oak Park, and William O. Bechman, Chicago, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application February 15, 1939, Serial No. 256,404
10 Claims. (Cl. 180—9.2)



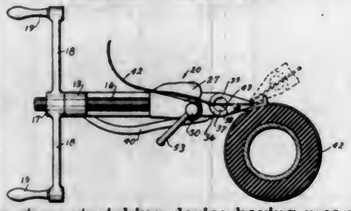
1. In a crawler tractor having a rear body part provided with a compartment formed by spaced inner and outer walls, a driving shaft carried in the inner wall and extending toward the outer wall, a steering clutch located in the compartment and having driving and driven parts, the former being carried on the shaft, the combination with the clutch of clutch throw-out mechanism therefor, said mechanism comprising a member rigidly carried by the inner wall and including a sleeve surrounding the shaft, a roller carried by the member at its outer face, a throw-out bearing encircling the sleeve and abutting a clutch element, and an angularly movable member carried on the sleeve and associated with the bearing, said movable member being formed with an inner cam face engageable with the roller on the first member upon angular movement to spread the members axially to disengage said clutch elements.

2,256,823
FLUID OPERATED SIDE LAY
Alfred Pierssene Battey, Eastcote, and Headley Townsend Backhouse, London, England; said Battey assignor to said Backhouse
Application October 12, 1940, Serial No. 360,978
In Great Britain July 3, 1939
6 Claims. (Cl. 271—58)



1. In a sheet feeding machine, a feed board, a side-lay stop, a sheet gripper for gripping a sheet and shifting it sidewise into engagement with said side-lay stop, and means for moving said gripper sidewise comprising a pressure chamber with a movable wall, an operative connection between said movable wall and said gripper, and a closed liquid-containing conduit in communication with said pressure chamber, means for applying pressure periodically to the fluid at the opposite end of said conduit to shift said movable wall in one direction, the opposite side of said wall being exposed to force tending to return said movable wall and said gripper when said pressure is relieved.

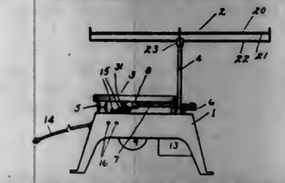
2,256,824
CLAMP APPLYING TOOL
Ray W. Brown, Denver, Colo., assignor to Band-It Company, Denver, Colo., a corporation of Colorado
Application January 9, 1940, Serial No. 313,029
1 Claim. (Cl. 81—9.3)



In a strap stretching device having means for engaging a shoulder, a head, and means for moving the head, means for attaching the head to a strap comprising a pin pivotally attached to the head, the head having spaced arms each provided with an opening forming a bearing, the openings being in axial alignment but of different diameters, the pin having two axially aligned cylindrical journals of the proper diameters to fit the bearings, that portion of the pin between said

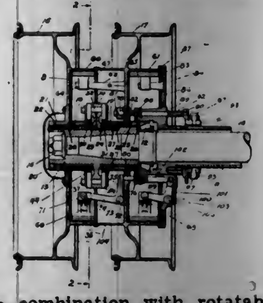
journals being cylindrical and eccentric with respect to the journals, a tubular eccentric carried by the cylindrical eccentric the outer surface of the tubular eccentric being substantially cylindrical, a lost motion connection between the two eccentrics, said connection comprising an opening in one and a cooperating projection on the other eccentric, the opening being larger than the projection, and a clamping jaw, integral with the head, extending over a portion of the surface of the tubular eccentric, said tubular eccentric and jaw being movable into and out of clamping position by a rotary movement of the cylindrical eccentric.

2,256,825
APPARATUS FOR USE IN TREATMENT OF PHOTOENGRAVING PLATES, AND PHOTOLITHOGRAPHIC PLATES
Joseph A. Christman, Pittsburgh, Pa.
Application May 23, 1940, Serial No. 336,776
6 Claims. (Cl. 91—42)



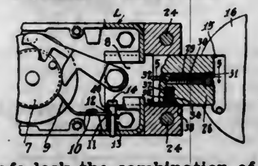
1. A machine for curing and drying photoengraved plates that comprises a plate-supporting device and a heating unit mounted in spaced-apart relation, means for rotating said supporting device relatively to the heating unit, means for oscillating the heating unit relatively to said supporting device, and means for manually controlling the rotation of the device-rotating means and the heating effect of said unit severally, with the effect that heat may be brought to play upon a supported plate at desired sequence with respect to the time of initiation of plate rotation.

2,256,826
CLUTCH MECHANISM
John Darby, Summit, N. J.
Application November 10, 1939, Serial No. 303,726
8 Claims. (Cl. 192—50)



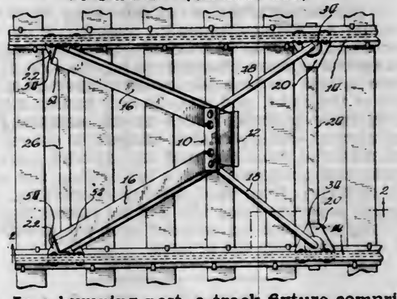
1. The combination with rotatably mounted elements of a coupling device therefor comprising a locking member so mounted pivotally upon one of said elements that by angular acceleration of said element relative to another of said elements, said member may be caused to pivot upon its axis into a position of driving engagement with said latter element, and by angular acceleration of said latter element relative to said former element, said member may be caused to pivot upon its axis out of said position of driving engagement; and, means opposing pivotal movement of said driving member into said driving position.

2,256,827
SAFE LOCK
Charles A. Fowler, Salt Lake City, Utah
Application May 22, 1940, Serial No. 336,575
6 Claims. (Cl. 70—1.5)



1. In a safe lock the combination of a locking bolt, a locking mechanism releasably connected to said locking bolt, guides for said locking bolt, a pin mounted on one of said guides and engaging a spring on said locking bolt whereby disconnecting said locking bolt and said locking mechanism moves said locking bolt further into its locked position, a pin journaled in said locking bolt and spring actuated, said pin normally held in position by said guides, but released to bear against exterior of said guides when said locking bolt is actuated by the pin mounted on the guide.

2,256,828
BUMPING POST
Stanley W. Hayes, Richmond, Ind., assignor to Hayes Track Appliance Company, Richmond, Ind., a corporation of Indiana
Application October 28, 1939, Serial No. 301,717
10 Claims. (Cl. 104—254)

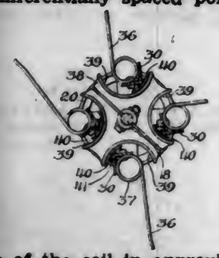


1. In a bumping post, a track fixture comprising a generally triangular plate member apertured to receive a stress transmitting member, said plate member being provided with an upset portion surrounding the aperture to provide space on the lower side of said plate member for welding the end of said stress transmitting member to said plate member.

2,256,829
PICK-UP ATTACHMENT FOR HARVESTER-THRESHERS
Benjamin M. Hyman, Moline, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application August 9, 1939, Serial No. 289,146
13 Claims. (Cl. 56—364)

1. In combination, a carrier, a shaft rotatably mounted in the carrier, a rake tooth having a coil, and a member secured to the shaft and to the rake tooth and partially surrounding the

coil of the tooth so as to give the coil support at two circumferentially spaced points and to



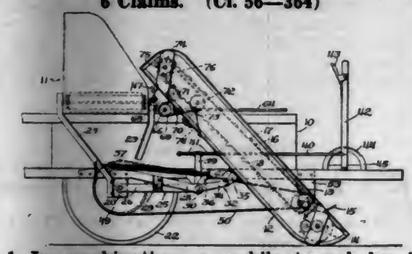
hold the axis of the coil in approximate coincidence with the axis of the shaft.

2,256,830

PICKUP BALER

Arnold E. W. Johnson, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application March 2, 1939, Serial No. 259,413
6 Claims. (Cl. 56—364)



1. In combination, a mobile type baler including a driving connection adapted to be connected to a source of power to drive the baler, a transverse conveyer supported at one side of the baler, a pick-up unit adjustably supported at one side of the baler, said pick-up unit having a pick-up cylinder adapted to pick-up cut material from the ground and a conveyer adapted to convey the cut material from the pick-up cylinder onto the transverse conveyer, means for driving the pick-up conveyer from said driving connection, and means separate from the driving connection for driving said pick-up cylinder from the movement of the baler over the ground.

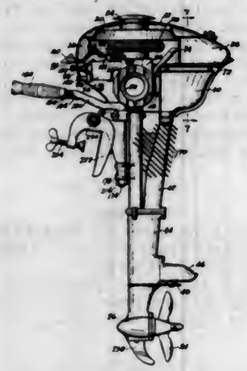
2,256,831

OUTBOARD MOTOR

Romuald Karey, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application April 23, 1938, Serial No. 203,726
4 Claims. (Cl. 115—18)

4. An outboard motor comprising an air cooled engine having a crankshaft and multiple cylinders, an exhaust expansion chamber positioned adjacent and aft of said cylinders, a housing communicating with the expansion chamber and having a downwardly expanding exhaust passageway communicating with an under water exhaust outlet, a bladed flywheel drivably connected to the crankshaft, a ring shaped fuel tank surrounding a portion of said engine, said tank being between the bladed flywheel and cylinders and comprising an air conduit to said cylinders, a magneto driven by the crankshaft, the magneto having a movable element to vary the time of ignition, a spark control lever to actuate the movable element, a carburetor having a throttle valve, a throttle control lever for said valve, means carried by said spark control lever for



engaging the throttle control lever, and means for grounding the magneto when the spark control lever is in a predetermined position.

2,256,832

SAND CORE AND METHOD OF MAKING SAME

Oscar H. King, Provo, Utah, assignor to Pacific States Cast Iron Pipe Co., Provo, Utah, a corporation of Nevada

No Drawing. Application June 22, 1936, Serial No. 86,696
13 Claims. (Cl. 22—188)

1. A sand core comprising particles of sand bound into an integrated body by fused gilsonite.

2,256,833

CONTROL DEVICE

George T. McDonald, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application April 18, 1938, Serial No. 202,609
6 Claims. (Cl. 201—62)



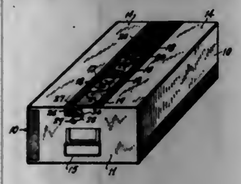
1. In a current controlling device, the combination of, an elongated horizontally located tubular container of non-magnetic material, a pair of elongated contact members hermetically sealed therein and located lengthwise in parallel relation in the container, contacting means bridging the elongated contact members and adapted to be moved along the same, at least one of said contact members being of the type used to vary the electrical resistance of a circuit in accordance with the point at which said member is contacted, an armature in the container and located between the elongated contact members and close to the surface of the container for moving the contacting means along the contact members, and a magnet outside of the container and adjacent said armature, said magnet being movable longitudinally thereof for magnetically moving the armature and hence the contacting means along the elongated contact members.

2,256,834

CLOSURE MECHANISM FOR CARTONS AND FILES

Jacob Mandel, New York, N. Y., assignor to Pronto File Corporation, New York, N. Y., a corporation of New York

Application January 27, 1938, Serial No. 187,118
13 Claims. (Cl. 229—47)



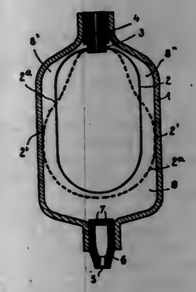
1. A paper carton having side, end, and bottom walls and a cover including two flaps hingedly secured to the top edges of the side walls and having their inner ends adjacent to each other in the closed condition thereof, and a closure device for the free edges of the said cover flaps, comprising two identical metal stampings secured to the free ends of said flaps and extending along the length thereof, each strip including a series of spaced, substantially flat projections adapted to overlie the opposite flap, the interfingered projections in their closed position presenting a substantially flat, metallic surface and being provided with cooperating holding means which are brought into position for interlocking when the closure device is in the closing position and are interengageable in a direction transverse to the free edges of the flaps, thereby resisting opening movement in the horizontal direction.

2,256,835

OLEOPNEUMATIC DEVICE

Jean Mercier, Neuilly-sur-Seine, France

Application May 15, 1940, Serial No. 335,385
In France June 16, 1939
12 Claims. (Cl. 267—64)



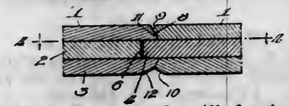
1. A device of the type described which comprises, in combination, a rigid container for two different fluids, and a deformable partition for separating said two fluids from each other constituted by a flexible deformable bag placed on the inside of said container and filled with one of said fluids, which is compressible, said bag being secured at one end to the inside of said container and being so made that, at least in the partly inflated state, its section goes decreasing from one zone thereof adjoining said fixation toward the opposite end thereof.

2,256,836

WOOD FLOORING

Joseph A. Potchen, Grand Rapids, Mich., assignor to Haskelite Manufacturing Corporation, a corporation of New York

Application February 15, 1940, Serial No. 318,997
1 Claim. (Cl. 20—8)



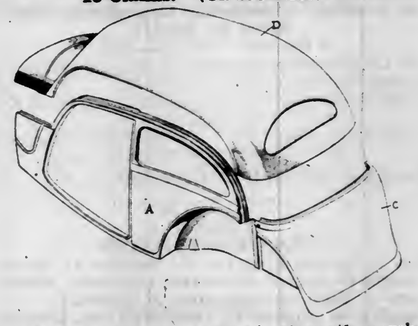
A rectangular floor board or tile having in each of two edges meeting in a corner a valley in the form of a wide V of obtuse angle extending throughout the length of the corresponding edge and having the marginal portions of the other two edges in the form of V-shaped noses adapted to fit into valleys like the aforesaid valleys, a tongue much thinner than the board or tile rising from the bottom of each valley and protruding therefrom, each nose having therein a groove to receive one of the tongues on an adjacent board or tile, the lips along the edges of the valleys being cut back to produce inclined faces which slope in the opposite directions from the corresponding sides of the valleys, the inclined faces on the upper lips being quite narrow and parallel to the lower sides of the corresponding valleys while the inclined faces on the under side of the board or panel are wider than those at the top and lie more nearly parallel to the plane of the board or tile than do the inclined faces on the upper side, and the tile being cut away on the under side at the juncture of each nose therewith to produce inclined faces similar to the said inclined faces on the lower lips.

2,256,837

VEHICLE BODY CONSTRUCTION AND METHOD OF FABRICATION

George Trautvetter, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

Application August 3, 1935, Serial No. 34,493
13 Claims. (Cl. 296—137)



1. A roof unit forming a main strength member of a closed vehicle body structure comprising a unitary stamping arched transversely and longitudinally and forming substantially the entire generally horizontally extending top portion of the body between the windshield and the rear wall, said stamping in transverse dimension extending from side to side of the body and downwardly substantially to the tops of the door openings, and longitudinally having said top portion extended at the front by a downward extension, said downward extension being formed with a

windshield opening within its margins and flanged inwardly at said opening to frame the same, the outer margins of said stamping being provided with final assembly joint formations adapted in the final assembly to mate with and be joined to adjacent portions of the body wall.

2,256,838
TRAVELING SPRINKLER
Lee H. Adamson, Los Angeles, Calif.
Application April 11, 1939, Serial No. 267,237
4 Claims. (Cl. 299—50)



1. A traveling sprinkler including a conduit forming casting having means for connecting a supply hose to one end thereof for supplying water under pressure thereto, means providing two vertical outlets from said conduit forming casting, at longitudinally spaced locations, a driving element connected with one of said outlets and operable by water forced therethrough, a sprinkler nozzle rotatably connected with the other of said outlets to receive water therefrom for discharge, a gear train from said driving element to said sprinkler nozzle for driving the latter from the former, a wire-receiving drum interposed between said outlets on said casting and under said gear train, and gear connections to said drum from said driven sprinkler nozzle for driving said wire-receiving drum for winding a pull wire thereon for moving said traveling sprinkler.

2,256,839
1,1-DICHLORO-1-NITRO-PARRAFINS AND PROCESS OF MAKING THEM
Henry B. Hass, La Fayette, Ind., and Barney R. Strickland, Elizabeth, N. J., assignors to Purdue Research Foundation, La Fayette, Ind., a corporation of Indiana
No Drawing. Application November 25, 1938, Serial No. 242,412
8 Claims. (Cl. 260—644)

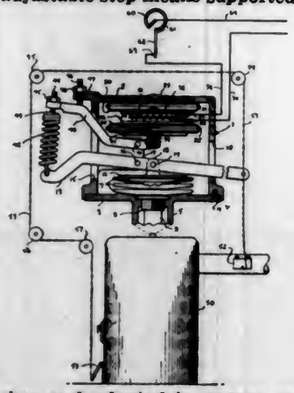
5. Dichloronitroparaffins having the following general formula:



wherein R represents an alkyl radical.

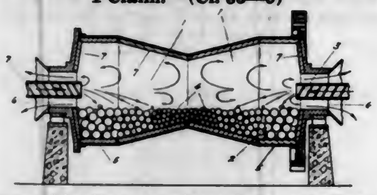
2,256,840
FURNACE REGULATOR
John E. Haines, Chicago, Ill., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application August 19, 1938, Serial No. 225,825
1 Claim. (Cl. 236—9)

In a damper regulator system for operating a combustion regulating damper for a solid fuel fired space heater, in combination, a base member, a first diaphragm means carried on said base member and responsive to a pressure varying with the temperature of the heater, means pivoted on said base member and actuated by said first diaphragm means for positioning said damper, biasing means including a spring for biasing said pivoted damper actuating means toward heat increasing position, adjusting means including a lever having a pivot on said base member for adjusting said biasing means to determine the temperature maintained by the heater, a second diaphragm means carried on said base member for actuating said adjusting means and responsive to a pressure varying with a second temperature varying with a demand for heat, an adjustable stop means supported on said



base member and adapted to engage said lever to limit the maximum temperature of said heater upon heat demand from said second temperature responsive means, and separate means for adjusting said biasing means so as to maintain a predetermined low heater temperature when said second temperature is satisfied for thereby causing the regulator to maintain the fire slightly active at such times.

2,256,841
GRINDING MILL
Harry W. Hardinge, Forest Hills, N. Y.
Application October 5, 1938, Serial No. 233,433
1 Claim. (Cl. 83—9)

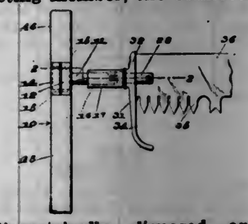


In combination, a rotary drum grinding mill having substantially planar end walls, hollow trunnions projecting outwardly from said end walls, feed tubes concentric with said trunnions interiorly thereof and spaced therefrom, means in said feed tubes for conveying material into the mill, pneumatic means for withdrawing finely divided material from the mill through the spaces between the feed tubes and trunnions, hollow imperforate truncated cone shaped wall portions in abutting relation adjacent the center of the mill and with their larger ends directed towards the end walls of the mill, an imperforate cylindrical section connecting the large end of each cone section with the adjacent end wall member, and grinding media in the mill.

2,256,842
HANDLE FOR CROSSCUT SAWS
Henry L. Hardisty, Portland, Oreg.
Application August 14, 1940, Serial No. 352,614
3 Claims. (Cl. 145—111)

1. A reversible cross-cut saw handle compris-

ing a shank having one end threaded, a hand grip secured to the other end of the shank, said shank, outwardly of the threaded portion having a reduced portion, a connecting member having a diametrical passage, a groove in the outer end of the passage, an axial passage at one end leading into the diametrical passage, the reduced end of the shank received by the axial passage and provided with a transverse opening which is adapted to aline with the groove, a pin in the opening and the groove, said pin being of less length than the width of the connecting member, the connecting member



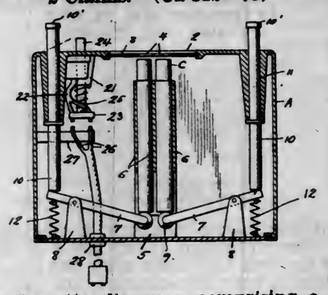
having diametrically disposed arcuate slots through which the ends of the pin are adapted to be moved when the shank is revolved through 180 degrees, means securing the other end of the connecting member to a saw blade, a shoulder on said connecting member, a guard on the connecting member between the blade and the shoulder, and a sleeve screwed onto the threaded portion of the shank and having one end tightly engaging the guard for causing the pin to be pressed into the groove, loosening of the sleeve permitting the pin to be moved out of the groove so that the handle and shank may be revolved to reverse the handle.

2,256,843
EAVES TROUGH FASTENING DEVICE
Joseph W. Jennart, Spring City, Pa.
Application June 27, 1939, Serial No. 281,454
1 Claim. (Cl. 248—48.1)



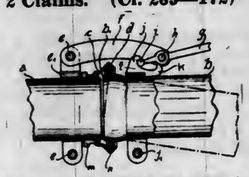
A snap action device for fastening an eavestrough to a hooked hanger, comprising a hooked member formed from a single strand of wire shaped to provide a bight portion, relatively wide arcuate portions formed on the bight portion and cooperating therewith to provide a hook for disposal about the outer longitudinal edge of the trough, diverging shank portions formed on the arcuate portions for disposal upon opposite sides of the hanger hook, right angled bent trunnions formed on the shank portions and inwardly directed therefrom, an elongated relatively narrow handled lever member formed from a single strand of wire shaped to provide a bight portion having an inwardly directed notch midway its ends, parallel portions extending from the notched bight portion, eye bearings at the inner ends of the parallel portions and having the trunnions mounted therein for pivotally connecting the handled member to said hooked member, handle portions formed on and converging from the eye bearings for disposal upon opposite sides of the hanger below the hook thereof and terminating in an outwardly bent arcuate hand gripping portion, and said notched bight portion being receivable within the hanger hook with the notch bearing against the latter hook at its juncture with the remaining portion of the hanger for the lever member to fulcrum about the hanger hook for drawing and securing the trough in binding engagement with the hanger.

2,256,844
CIGARETTE DISPENSING DEVICE AND LIGHTER
Eugene Kruk, New York, N. Y.
Application June 8, 1940, Serial No. 339,587
2 Claims. (Cl. 312—78)



1. A cigarette dispenser comprising a casing having an opening in its top adjacent a side wall thereof, a block in the casing having one end spaced from said side wall to form a space which is located under the opening, passage forming members extending horizontally in the casing above the block with one end of the passage over the space, said passage being adapted to receive cigarettes, a follower for pushing the cigarettes through the passage to hold the front one over the space under the openings, a plunger passing through the top of the casing, a lever pivoted intermediate its ends in the casing and having one end engaging the lower end of the plunger and its other end extending into the space adjacent the end of the block for engaging the front cigarette in the passage to push the cigarette through the opening when the plunger is depressed.

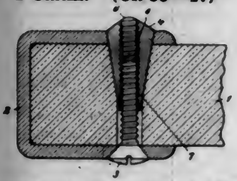
2,256,845
PIPE COUPLING
Karl Ludwig Lanninger, Frankfort-on-the-Main, Germany
Application September 1, 1939, Serial No. 293,122
In Germany September 7, 1938
2 Claims. (Cl. 285—172)



1. A quickly connectible and disconnectible coupling for connecting pipe sections in angular relation, comprising, in combination, a pair of pipe sections to be connected, cooperating means carried by the juxtaposed ends of the pipe sections substantially forming a ball and socket joint, keeper means carried by one of the pipe sections and including spaced abutments facing each other and alined longitudinally of the said pipe section, said keeper means being located

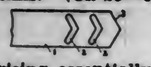
radially at one point only of the circumference of the pipe section by which it is carried, a link pivotally carried by the pipe section opposite that having the keeper element thereon, and a lever pivoted intermediate its ends to the free end of said link, one end of said lever being adapted to engage one of said abutments of the keeper element to pull the pipe sections together and to engage the other of said abutments to forcibly separate the pipe sections.

2,256,846
OPHTHALMIC MOUNTING
Willi Lohmann, Berlin-Wilmersdorf, Germany
Application May 16, 1940, Serial No. 335,643
In Germany May 24, 1939
1 Claim. (Cl. 88—47)



In an ophthalmic mounting, a lens and edge clamp therefor having clamp arms at opposite sides of the lens, the clamp arms and lens having a continuous bore therethrough, one end of said bore being of continuous uninterrupted conical formation extending through one of said clamp arms and substantially through three-quarters the thickness of said lens, a conical nut mounted in the conical end of the bore and having a taper complemental to the taper of the conical bore in the clamp arm and lens, a fixation screw extending through the other end of the bore for engagement with said nut, the head of the fixation screw directly engaging the other clamp arm and the threaded end of the screw terminating inwardly of the outer end of the nut and a counter screw threaded in the outer open end of the bore of the conical nut for abutting engagement with the fixation screw.

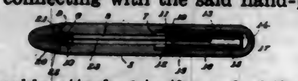
2,256,847
TOOL
Werner Osenberg, Dresden, Germany, assignor to Kerb-Konus Gesellschaft Dr. Carl Eibes & Co., Dresden, Germany
Application September 7, 1937, Serial No. 162,757
In Germany December 15, 1936
12 Claims. (Cl. 29—95)



1. A tool comprising essentially a body of ceramic material, a cutting edge provided thereon, said body having a recess located in back of said cutting edge of such configuration that when the portion of said body containing said cutting edge is removed a new cutting edge constituting a wall of said recess is exposed.

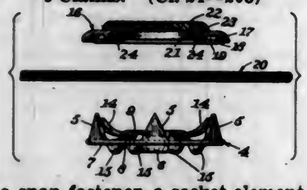
2,256,848
PIPE TOOL
Jerome J. Pokorny, Cleveland, Ohio
Application October 17, 1938, Serial No. 235,499
4 Claims. (Cl. 131—243)

1. A device comprising a hand-piece having a longitudinally extending bore therethrough, a tobacco tamper comprising a hollow tube of a lesser diameter than the hand piece having one end terminating in a transverse end wall and the opposite end thereof attached to one end of the said hand piece and opening into the said longitudinally extending bore, a cover member of the same cross-sectional size and shape as the hand piece enclosing the hollow tube and detachably connecting with the said hand-piece, a



cap removably attached to the end of the hand-piece opposite that end carrying the said cover member, and an elongated pointed stem securely attached to said cap and projecting through the longitudinally extending bore of the said hand-piece and terminating within the hollow tube, said hand-piece and said hollow tube comprising a shield therefor.

2,256,849
SNAP FASTENER
Forrest G. Purinton, Waterbury, Conn., assignor to The Patent Button Company, Waterbury, Conn., a corporation of Connecticut
Application March 17, 1941, Serial No. 383,813
6 Claims. (Cl. 24—208)



1. In a snap fastener, a socket element including a plate circular in outline and provided with a plurality of prongs extending at right angles to the plate and spaced about the periphery, the plate provided with a central aperture and the walls of the aperture arranged to form spring fingers and adapted to lock over the stud of a male element of the snap fastener, a plurality of depressions also spaced around the central aperture and extending in a plane below that of the spring fingers to thereby protect the same, a plurality of guards formed integral with said plate and extending upwardly and toward the apices of the said prongs, and said fingers adapted to be forced downwardly with relation to the prongs and out of the way when the snap fastener is permanently secured to its garment.

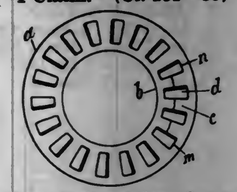
2,256,850
SNAP FASTENER
Forrest G. Purinton, Waterbury, Conn., assignor to The Patent Button Company, Waterbury, Conn., a corporation of Connecticut
Original application March 17, 1941, Serial No. 383,813. Divided and this application March 27, 1941, Serial No. 385,553
5 Claims. (Cl. 24—208)



1. In a socket for a snap fastener, a clamping ring having an upper outwardly and downwardly overhanging wall, an integral lower peripheral rim spaced beneath said wall and stopping short of the periphery of said wall to thereby form a space for the prongs of a socket member, a plastic

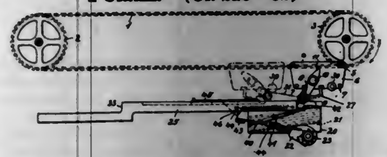
head extending over the center of said ring, inner peripheral projecting means formed at the top of said ring, and the said plastic head anchored in position by said aforementioned means.

2,256,851
LOCKING DEVICE FOR NUTS, BOLTS, AND SCREWS
Adolf Schnorr, Stuttgart-Botnang, Germany
Application March 4, 1939, Serial No. 259,856
In Germany March 22, 1938
1 Claim. (Cl. 151—35)



In a resilient lock washer for nuts, wherein the washer comprising a disk has uninterrupted inner and outer edges, wherein a circular series of spaced radially directed apertures is formed between the inner and outer edges of the washer, and wherein the portions of the disk between the radial apertures are twisted to form teeth constituting locking pawls having work-engaging edges disposed in planes located outwardly of opposite sides of the disk, said disk portions between adjacent apertures being evenly twisted over substantially their entire radial length at the same angle and presenting work-engaging edges straight throughout their lengths, said twisted disk portions being of rectangular formation in cross-section and said radial slots and intervening disk portions being of a length equal at least to one-half the radial distance between the inner and outer edges of the disk.

2,256,852
APPARATUS FOR FEEDING CLOTH SAMPLES FROM A SUPPLY THEREOF IN A MAGAZINE
Karl Schubert, Vienna, Germany
Application March 19, 1940, Serial No. 324,830
In Germany March 31, 1939
1 Claim. (Cl. 216—52)



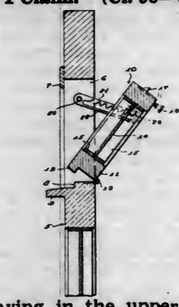
Apparatus for sticking on cards samples of cloth each sample to be lifted from the pile of samples by means of needles and then stuck on the card, comprising in combination with a continuously circulating conveying chain, a gripper comb, a carrier comprising two similar plates fixed one on each side of the chain one plate opposite the other, a toothed segment fixed on the lower end of the front plate, a transverse pin in said plates above the lower ends of the plates, two-armed levers oscillatably mounted one on each end of said transverse pin, a transverse shaft fixed in the lower ends of said oscillatable levers, a pinion on the outer end of said shaft adapted to engage with the teeth of said toothed segment, a roller mounted on said front plate of the holder behind said toothed segment, a bar carrying a plate for the cards arranged below the holder, so that one of its ends forms an abutment for the oscillatable arms on said holder, and a magazine with samples arranged under said bar, so that two thirds of its upper face are covered by said bar.

2,256,853
PAPER PRODUCT
George L. Schwartz, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 1, 1938, Serial No. 211,296
1 Claim. (Cl. 91—68)

A grease-resistant paper having a coating consisting of a mixture of clay, polyvinyl alcohol and thin boiling cooked corn starch in substantially the following proportions by percentage:

	Per cent
Clay	87.7
Polyvinyl alcohol	1.3
Thin boiling cooked corn starch	11.0

2,256,854
TRANSOM-EQUIPPED DOOR
John M. Scott, McConnelsville, Ohio
Application June 19, 1940, Serial No. 341,370
1 Claim. (Cl. 98—87)

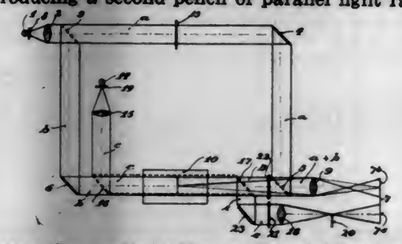


A door having in the upper portion thereof and spaced downwardly from the top edge of the door a ventilating opening, a bead on one face of the door and extending around the top and sides of the opening and overlapping the opening to form stop means, the lower wall of the opening being stepped to form a vertical shoulder intermediate the faces of the door, a ledge extending from that face of the door to which the bead is secured with the upper face of the ledge forming a continuation of the low part of the stepped bottom wall of the opening, a panel member for closing the opening and hinged at its lower edge to that side of the door opposite the side having the bead and ledge thereon, said panel having a lip on its lower edge, the inner edge of which engages the shoulder when the panel is in closed position with portions of the panel engaging the bead when the panel is closed and latch means for holding the panel in closed position.

2,256,855
SYSTEM FOR INVESTIGATING DENSITY FIELDS
Theodor Zobel, Brunswick-Lehndorf, Germany, assignor to Luftfahrtforschungsanstalt Hermann Göring, Brunswick, Germany
Application November 7, 1939, Serial No. 303,331
In Germany November 8, 1938
5 Claims. (Cl. 88—14)

1. An optical arrangement for the simultaneous

quantitative and qualitative investigation of density fields of a test medium, comprising first means for examining the density field by an interference method, said first means including means for producing a first pencil of parallel light rays, means for splitting up said light pencil into two partial light pencils respectively traversing two separate paths, one of which paths comprises the test medium, an image screen, means for re-uniting said partial light pencils on said image screen after passage through said separate paths, means for causing interference of the two re-united partial light pencils, second means for examining the density field by a striae method, said second means including means for producing a second pencil of parallel light rays,



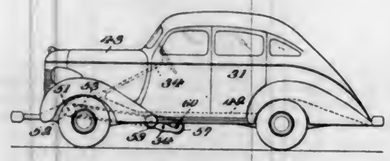
means for concentrating said second light pencil in a focal point, a unilateral optical stop member adapted to engage said second light pencil at its focal point, a second image screen, and means for directing said second light pencil on said second screen, after passage thereof past said stop member, and third means for permitting simultaneous investigation of a common density field by said first and second means, said third means including means for combining said second light pencil with the partial light pencil passing through the density field, and means for reseparating said second light pencil from said partial light pencil after common uni-directional passage through said density field, said two image screens being mounted in close juxtaposition.

2,256,856
CLOTHESLINE SUPPORT AND HOLDER
Nicholas Zwald, Philadelphia, Pa.
Application December 14, 1938, Serial No. 245,718
2 Claims. (Cl. 211—119.17)



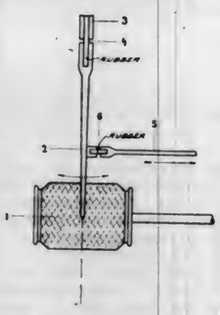
1. A device of the character described comprising a bracket member adapted to be fixed to a support, the said bracket member having spaced arcuate slots extending transversely from an edge thereof, a yoke member disposed in face to face relation with the bracket, the said yoke having side portions bent over to slidably engage the side margins of the bracket and a slot therein corresponding to the slots of the bracket and adapted to assume longitudinal registry with said bracket slots, a line fastening element carried by the yoke member, and an arm pivotally mounted on the said yoke having a locking pin thereon movable into registration with the slots in the bracket and yoke for locking the yoke in selectively adjusted position on the bracket.

2,256,857
DEVICE FOR NEUTRALIZING THE INERTIA OF VEHICLE BODIES
Demeter A. Apostolou, Athens, Greece
Application August 3, 1939, Serial No. 288,214
In Greece October 14, 1937
7 Claims. (Cl. 180—1)



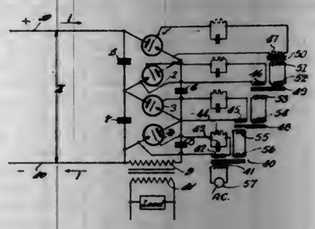
1. In a propellable vehicle, the combination of propelling means, a body susceptible to the action of said propelling means and formed of component parts, and means also driven by said propelling means interposed between said component parts adapted to neutralize or absorb the forces arising from a braking of the body in movement or from holding said body to immobility against the action of the propelling means.

2,256,858
THREAD GUIDE DRIVING ARRANGEMENT FOR TEXTILE MACHINES, ESPECIALLY FOR ARTIFICIAL SILK
Otto Bochmann, Remscheid-Lennep, Rhineland, Germany, assignor to Barmer Maschinenfabrik Aktiengesellschaft, Wuppertal-Oberbarmen, Germany
Application May 3, 1940, Serial No. 333,162
In Germany February 14, 1939
4 Claims. (Cl. 242—158)



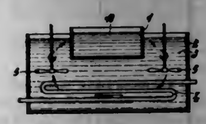
1. A thread guide driving arrangement for textile machines, especially for artificial silk, comprising a thread guide, and elastic hinge connections for the thread guide operative for the shockless transmission of reciprocatory movements upon the thread guide, the elastic hinge connections being made of rubber.

2,256,859
VOLTAGE CONVERTER
Albert Bouwers, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application May 26, 1939, Serial No. 276,013
In Germany May 31, 1938
5 Claims. (Cl. 175—363)



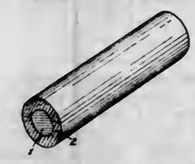
1. A device for converting a direct voltage of comparatively high value into an alternating voltage of lower value comprising two circuit arrangements each comprising a plurality of controlled discharge tubes connected in the same manner in a series connection, each connection having one end connected to one and the same end of a common "load resistance," and a condenser connected across each two succeeding tubes and a condenser connected across the series connection of said "load resistance" and the discharge tube connected thereto, the other ends of the series connections being connected to the direct voltage supply conductors, a connection between a point of said "load resistance" and a point of the direct current supply source said point having a potential between the potentials of the supply conductors, the arrangement being such, that the discharge tubes of both circuit arrangements are connected in the same manner in a series connection and means for controlling the conductivity of the discharge paths of said tubes in such a manner that periodically all the even-numbered tubes are made conductive, while at the same time all the odd-numbered tubes are made non-conductive and vice versa.

2,256,860
METHOD AND DEVICE FOR MAKING ALUMINUM ELECTRODES
Anthony Frederik Peter Johannes Claassen and Johan Dirk de Vries, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application April 26, 1939, Serial No. 270,266
In Germany May 19, 1938
5 Claims. (Cl. 148—8)



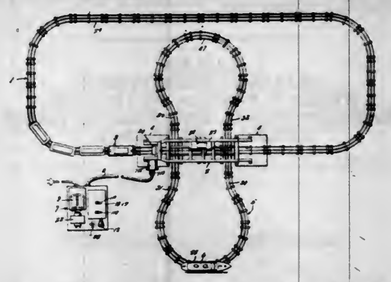
1. A method of increasing the active surface of an aluminum electrode by chemical agency, comprising the steps of placing the electrode in an etching solution, and maintaining the solution at a temperature above its freezing temperature and below 8° C.

2,256,861
WELDING ROD
Jan Hendrik de Boer, Jacob Sack, and Paul Christiaan van der Willigen, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., trustee
Application November 13, 1939, Serial No. 304,268
In Germany November 29, 1938
7 Claims. (Cl. 219—8)



7. A welding rod coating composition containing ground ivory nuts.

2,256,862
AMUSEMENT DEVICE
Thomas L. Duffy, Harrison, N. J.
Application December 15, 1936, Serial No. 116,011
12 Claims. (Cl. 104—129)



1. In an electrically operated amusement device, a source of electrical current, a track, a dead section in said track, a motor-driven vehicle adapted to run on said track, a lift bridge in said track, an electric motor for raising and lowering said bridge, a second track so arranged with respect to said first track as to pass under said bridge, a dead section in said second track, a second motor-driven vehicle adapted to run on said second track, means operable by said first vehicle when it arrives on said dead section to supply current to said motor to raise said bridge, a reversing switch having one position for connecting said source of current in series with the electric motor for raising the lift bridge and in series with an upward limit switch for limiting upward movement of the lift bridge, a relay for moving the reversing switch to bridge-raising position, said relay being connected in series through the dead section in the first mentioned track with the source of current when the vehicle is on said dead section, said reversing switch having a second position for connecting said source of current in series with the electric motor for lowering the lift bridge and in series with a downward limit switch for limiting downward movement of the lift bridge, a second relay for moving the reversing switch to bridge-lowering position, said second relay being connected in series through the second mentioned dead section with the source of current when the second mentioned vehicle is on said second mentioned dead section.

2,256,863

RUBBER HEEL AND SOLE, WEAR PLUG THEREFOR, AND METHOD OF MANUFACTURE

Albert A. Esterson, Baltimore, Md., assignor to Cat's Paw Rubber Company, Inc., Baltimore, Md., a corporation of Maryland

Application February 27, 1940, Serial No. 321,090
13 Claims. (Cl. 12—146)



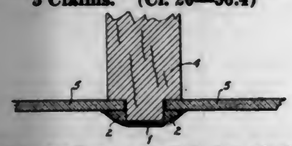
1. The process of manufacturing rubber heels which consists of uniting a sheet of fabric and a sheet of rubber to form a composite sheet, said rubber having curing agents therein, winding said composite sheet onto a mandrel to form a roll, partially curing said roll to vulcanize the adjacent convolutions of rubber and fabric together, cutting said partially cured roll into sections, dipping said sections in a tacky rubber solution having curing agents therein to form wear plugs, and vulcanizing said plugs in the tread portion of a rubber heel to inseparably unite the plugs with said heel, the strands of fabric included in said wear plugs being disposed substantially perpendicular to the said tread portion of the rubber heel.

2,256,864

SEALING COMPOSITION

William C. Ferguson, St. Louis, Mo.

Application May 11, 1940, Serial No. 334,513
5 Claims. (Cl. 20—56.4)



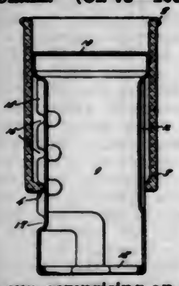
1. A strip-sealing material for glazing windows comprising a relatively flat non-resilient deformable backing support, a coating of plastic adhesive on said support, said coating comprising relatively thick edgewise regions only.

2,256,865

MEASURING DEVICE

Harold H. Gilbert, Sacramento, Calif.

Application July 15, 1939, Serial No. 284,769
1 Claim. (Cl. 73—165)



A measuring cup comprising an outer cylinder of transparent material provided with an internal key lug on the inner face thereof, and having quantity indicating graduations on the outer face thereof spaced apart lengthwise of said cylinder, and an ejector section of cylindrical form slidably and rotatably fitted in said cylinder and having a closed end forming a bottom for the cylinder movable therein into different postions to register the same with said graduations, respectively, under sliding movement of the ejector, said ejector being provided in the outer face thereof with a longitudinally extending keyway accommodating said key under sliding of the ejector, and circumferential branch keyways extending from said first keyway for accommodating said key under rotation of the ejector to lock the latter to the cylinder against sliding movement, said branch keyways being spaced apart in accordance with said graduations whereby said ejector may be located in said different registering positions, said first keyway having a right-angled branch extension at one end thereof opening onto one end of the ejector for accommodating said key and whereby under sliding and rotation of said ejector it may be removed from said cylinder, a longitudinally extending bead on the outer face of said cylinder diametrically opposite said key, the said quantity indicating graduations extending laterally from said bead, said ejector being provided with a groove extending longitudinally thereof and diametrically opposite said first keyway for registration with said bead to indicate thereby when said longitudinally extending keyway is in registry with said key on the opposite side of the cylinder.

2,256,866

HAT DECORATION

Currier T. Goodall, Lynbrook, N. Y.

Application February 7, 1940, Serial No. 317,767
1 Claim. (Cl. 2—186)



In a hat decoration, a plurality of substantially rectangular shaped fabric sheets each having an opening adjacent one corner thereof and each folded upon itself into strip formation with the opening located at one end thereof, said folded sheets of strip formation being interlaced with each other with the openings aligning with each other and adjacent ends passed through said openings to form a decorative member of substantially annular formation to fit about a crown of a hat with free end portions.

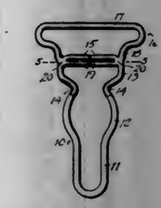
2,256,867

GARMENT CLASP

Wilbur E. Olmstead, Bridgeport, Conn., assignor to The Hatheway Mfg. Co., Bridgeport, Conn., a corporation of Connecticut

Application April 13, 1940, Serial No. 329,414
4 Claims. (Cl. 24—245)

3. As an article of manufacture, a garment clasp comprising a formed wire loop part consisting of side portions, a button engaging lower end portion connected between said side portions, and a transversely extending upper bar portion extended inwardly from the upper ends of said side portions, there being substantially diagonally extending bends between said side portions and said upper bar portion of said loop part, a formed wire link part consisting of side portions, and upper and lower vertically spaced bar portions, said lower bar portion of said link part being substantially the same length as said upper bar portion of the loop part, and there being substantially diagonally extending bends between



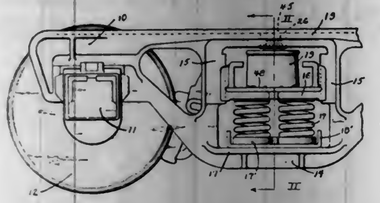
said side portions and said lower bar portion of said link part, said loop and link parts being vertically offset and overlapped, one with respect to the other, with said bends of said loop part in intersecting relation to said bends of said link part, and connection means between said loop and link parts consisting of rigid joints integrally connecting said loop and link parts at the intersecting points of said bends whereby said upper bar portion of the loop part is offset vertically above said lower bar portion of the link part.

2,256,868

HYDRAULIC SHOCK ABSORBER CONTROL FOR RAILWAY TRUCKS

Charles E. Perkins, Buffalo, N. Y., assignor to Houde Engineering Corporation, Buffalo, N. Y., a corporation of New York

Application August 30, 1940, Serial No. 354,775
4 Claims. (Cl. 105—197)



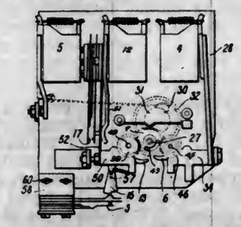
1. A hydraulic shock absorber for mounting on a railway truck side frame between the spring-supported end of the bolster and the top of the truck side frame, comprising a cylinder member adapted to seat on the bolster, a cup-shaped piston operable in said cylinder, a piston rod extending downwardly into said piston to seat against the bottom thereof and having its outer end adapted to abut the top wall of the side frame, a reservoir for hydraulic fluid, and valve means controlling the flow of fluid between said cylinder and reservoir upon relative axial movement of said cylinder and piston, said valve means being operable to retard the flow for inward movement of the piston but permitting comparatively free flow for outward movement of the piston.

2,256,869

IMPULSE REGISTERING DEVICE OF THE TYPE USED IN TELEPHONE SYSTEMS

Charles Clarke Puckette and George Dewar, Coventry, England, assignors to The General Electric Company Limited, London, England

Application July 19, 1939, Serial No. 285,392
In Great Britain July 20, 1938
13 Claims. (Cl. 179—18)



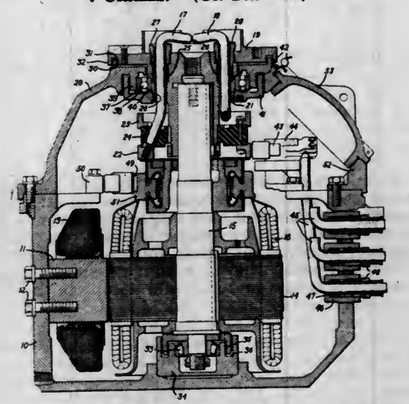
1. An impulse regenerating device of the type used in telephone systems comprising a plurality of storage wheels each adapted to store the impulses of one impulse train, means for rotating each of the wheels in one direction, further means for rotating the wheels in the other direction during sending out of impulses, and means for continuing impulsing out until all impulses counted in have been sent out.

2,256,870

DYNAMOELECTRIC MACHINE

Herman W. Schaffer, Erie, Pa., assignor to General Electric Company, a corporation of New York

Application April 25, 1941, Serial No. 390,364
7 Claims. (Cl. 172—36)



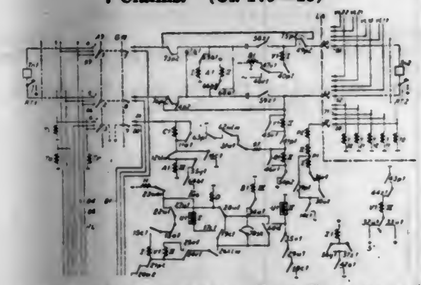
1. A vertical shaft motor having a stationary member and a rotatable member provided with a vertically extending shaft, slip rings mounted adjacent the upper end of said shaft, means for supporting a conductor reel on the upper end of said shaft and having a driving connection therewith, conductor openings in said reel supporting means, conductors extending through said openings and being electrically connected to said slip rings, and means for sealing said openings about said conductors substantially to prevent the passage of explosive gases therethrough, said reel supporting means including a labyrinth seal formed with said stationary member for substantially preventing the passage of explosive gases therethrough.

2,256,871
RAZOR
David F. Silver, Peekskill, N. Y.
Application July 1, 1939, Serial No. 282,340
7 Claims. (Cl. 30—32)



1. A razor comprising a blade and support therefor, and a source of electrical energy associated with the support and connected at one pole thereof with said blade and at its other pole with the support whereby current from such latter pole will pass through the hand of the user and form a closed circuit when the blade engages another portion of the body of the user.

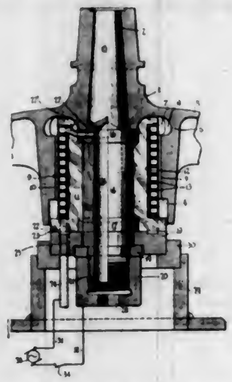
2,256,872
TELEPHONE SYSTEM
Franz Simon, Berlin-Friedenau, Germany, assignor to Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten, m. b. H., Berlin, Germany
Application March 1, 1939, Serial No. 259,163
In Germany March 11, 1938
7 Claims. (Cl. 179—18)



1. In a telephone system, three lines, an automatic switch having access to one of said lines, means for operating said switch to said one line at different times to extend connections thereto from a second of said lines, means in said switch effective during the extension of such connections to test said one line and complete the connections thereto only if said line is idle, a busy relay controlled by said last means and operated thereby whenever the line tests busy to transmit a busy signal, means for operating said relay at times over said one line after a connection has been completed thereto from said second line over the switch, another switch having access to the third of said lines, means controlled by said relay upon said operation thereof over said first line to hold the connection from said second line and seize said other switch, and means for then operating said other switch over said first line to extend a connection to said third line while the connection from said second line is maintained.

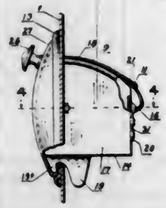
2,256,873
INSIDE INDUCTION HEATER
Howard E. Somes, Detroit, Mich.
Application November 21, 1935, Serial No. 50,829
13 Claims. (Cl. 219—13)

1. An electro-magnetic induction heater for heating a portion of a hollow body of magnetic material near the interior surface comprising a current-conducting coil arranged to be placed within the hollow body with the outer surface of the coil in close spaced relation to the inner surface of the hollow body, an annular hollow internal open core of magnetic material for said coil extending over the inner surface of the coil and having at least one of its open ends extended



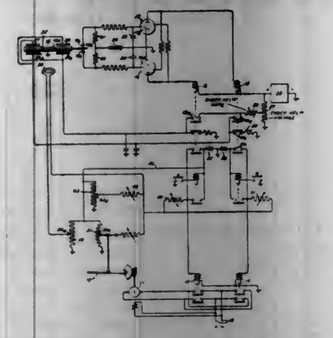
radially outwardly across an adjacent end of the coil into close spaced relation to the inner surface of the hollow body adapted to be heated and electrically insulated from said coil, and a power connection for one end of said coil extending axially within the annulus of said core and connected with said coil end, said core shielding said connection throughout its axial extent from the inductive heating effect of said coil.

2,256,874
ASH RECEPTACLE
John Visser, Grand Rapids, Mich., assignor, by mesne assignments, to Reconstruction Finance Corporation, Detroit, Mich., a corporation of the United States
Application March 17, 1937, Serial No. 131,293
1 Claim. (Cl. 206—19.5)



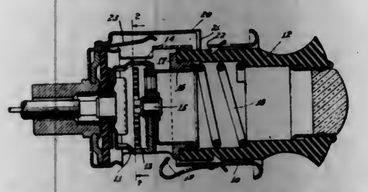
In an ash receptacle assembly, the combination comprising a panel member having an opening therein, a box member having a front wall, a rear wall and side walls having curved top edges, a curved guiding plate overlying the top edges of said side walls for engagement with the same, a spring detent carried by the back wall of said box and extending forwardly over the top of the same and in pressure contacting engagement with the under side of the guiding plate, said guiding plate having ribs for engaging with said detent during movement of said receptacle into and out of said opening.

2,256,875
AUTOMATIC STEERING SYSTEM
Elmer J. Wade, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application May 9, 1940, Serial No. 334,189
8 Claims. (Cl. 172—282)



1. An automatic steering system for dirigible craft comprising a rudder, driving means for moving said rudder, a compass for energizing said driving means in response to a deviation of said craft from a predetermined course, means controlled by movement of said rudder for influencing said compass with a magnetic flux which tends to cause said compass to deenergize said driving means when the deflection of said rudder is in predetermined proportion to said deviation, and means for influencing said compass with an additional force which prevents said compass from deenergizing said driving means until said rudder has been deflected an additional amount approximately proportional to the rate of deviation of said craft from said course.

2,256,876
ELECTRIC CIGAR LIGHTER
Sidney L. Wolfson, Meriden, Conn., assignor to Philip E. Ashton, Meriden, Conn.
Application November 26, 1937, Serial No. 176,507
5 Claims. (Cl. 219—32)



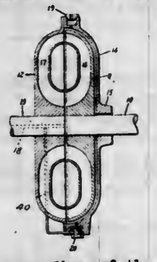
1. A cigar lighter comprising a socket having contact portions, a plug insertable into said socket and having an igniter member to engage one contact and a switch member to engage the other contact and a spring to bias one member away from its contact, a bimetal latch carried by the socket and heated by the igniter member when it is inserted in the socket and adapted to interlock with a part of the plug member when the spring is compressed and a compensating bimetal member carried by the socket and subject to the control of the temperature of the ambient atmosphere as well as that of the igniter member and coacting with the bimetal latch to regulate its action under extreme variations of ambient temperature.

2,256,877
WETTING, PENETRATING, FOAMING, AND DISPERSING AGENT
Heinrich Bertsch, Chemnitz, Saxony, Germany, assignor to American Hyalsol Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 13, 1937, Serial No. 158,871
15 Claims. (Cl. 28—1)

1. Salts of sulfonated higher aliphatic alcohols having at least 8 carbon atoms in the molecule with strong organic bases.

3. In processes of finishing and softening of textiles and leather, the step comprising treating said materials with a salt of a sulfonated higher aliphatic alcohol having at least 8 carbon atoms in the molecule, the salt forming radical being that of a strong organic base.

2,256,878
HYDRAULIC COUPLING
Willy Black, Berlin-Halensee, Germany, assignor to General Electric Company, a corporation of New York
Application April 10, 1939, Serial No. 267,121
In Germany April 19, 1938
1 Claim. (Cl. 60—54)

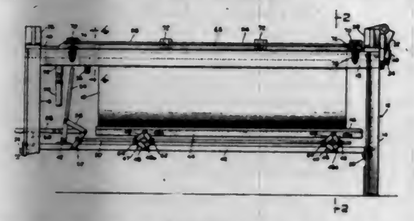


In a hydraulic coupling of the Föttinger type the combination of a turbine wheel, a pump wheel, a casing surrounding said wheels and rotatable with said turbine wheel, a working fluid in said casing, a conduit for supplying said fluid, discharge valves in said casing to discharge said fluid and thereby control the operation of said coupling, one of said valves being responsive to the fluid pressure in said fluid supply conduit and operable to discharge fluid from said casing when said conduit fluid pressure falls below a predetermined value and a second valve responsive to centrifugal force an operable to discharge fluid from said casing when the speed of rotation of said turbo wheel falls below a predetermined value whereby a predetermined low rate of discharge from said casing is obtained by a fluid pressure control and a predetermined greater rate of discharge is obtained when the fluid pressure and the speed of operation are simultaneously reduced.

2,256,879
WELDING DEVICE
Edward S. Cornell, Jr., Larchmont, N. Y.
Application December 2, 1938, Serial No. 243,486
2 Claims. (Cl. 113—59)

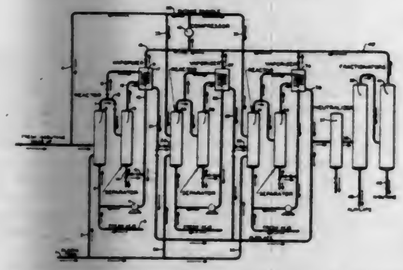
1. Apparatus for supporting blanks to be formed into a tubular structure by welding or like operations along a longitudinal seam, comprising, in combination, a frame open at an end portion, a mandrel fixedly supported within said frame and arranged to provide internal support for said blank throughout the length thereof, clamping means pivotally mounted on said frame

on each side of said mandrel for rotation toward or away from said mandrel, said clamping means having heads arranged to urge the blank against the mandrel and disposed, when in clamping position, on opposite sides of the seam, expansible means operatively associated with said clamping means to rotate the same into clamping



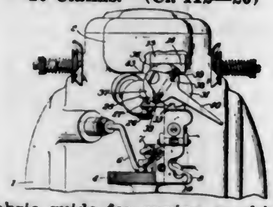
position, a rail coextensive with the blank positioned within said frame beneath said blank in parallelism therewith and in the vertical plane of the seam, means for raising or lowering said rail in the plane of such seam while maintaining the parallel relationship of said rail and said blank, and means for securing said rail in desired position.

2,256,880
ALKYLATION OF HYDROCARBONS
Arthur R. Goldsby and John C. Van Gundy, Beacon, N. Y., assignors to Texaco Development Corporation, New York, N. Y., a corporation of Delaware
Application April 20, 1940, Serial No. 330,658
7 Claims. (Cl. 196—10)



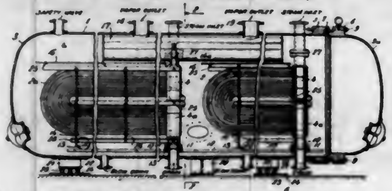
1. In a continuous process for alkylating isoparaffin hydrocarbons with olefin hydrocarbons by contact with a liquid alkylation catalyst, the steps comprising continuously passing a hydrocarbon feed containing isobutane normal butane and olefins to a series of reaction stages wherein the hydrocarbons are subjected to contact with the catalyst to form alkylated hydrocarbons, continuously withdrawing reaction mixture from each stage, separating the withdrawn mixture into a normally gaseous hydrocarbon phase rich in isobutane, a normally liquid hydrocarbon phase containing normal paraffins and a catalyst phase, withdrawing the normally liquid hydrocarbon phase, returning the catalyst phase to the stage from which withdrawn, returning the gaseous hydrocarbon phase to the reaction for further contact with olefin hydrocarbons, discharging at least a substantial portion of said normally liquid hydrocarbon phase, and passing the remaining portion of the normally liquid hydrocarbon phase to the stage succeeding that from which it was withdrawn.

2,256,881
UNCURLING GUIDE FOR SEWING MACHINES
Hans Hacklander, Linden, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Original application September 2, 1939, Serial No. 293,155. Divided and this application November 13, 1939, Serial No. 303,947
10 Claims. (Cl. 112—20)



1. A fabric guide for sewing machines having an operative and an inoperative position, means for supporting said guide whereby it may be moved from one to the other of said positions, a latch for holding said guide in operative position, a latch for holding said guide in inoperative position, and means movable in two directions and adapted for releasing one of said latches and moving the guide when operated in one of said directions and for releasing the other of said latches and moving the guide when operated in the other of said directions.

2,256,882
HEAT EXCHANGER
Leslie E. Sebald, Ridgewood, N. J., assignor to The Griscom-Russell Company, New York, N. Y., a corporation of Delaware
Application March 11, 1939, Serial No. 261,256
6 Claims. (Cl. 257—239)



4. In a heat exchanger, the combination of a horizontal shell, a removable cover at one end thereof, supporting tracks extending the length of said shell, a plurality of separate removable tube bundles supported in said shell on said tracks, separate inlet and outlet connections for said tube bundles each of said inlet and outlet connections comprising a fixed portion attached to the shell and a portion on the tube bundle movable therewith and positioned to register with the fixed portion when the tube bundle is in proper position in the shell, the fixed portions for the tube bundle adjacent the removable end cover being disposed out of the path of movement of the removable tube bundles in their movement out of the shell.

2,256,883
TRIM STRIP FOR VEHICLE BODIES
George Trautvetter, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 18, 1940, Serial No. 335,954
8 Claims. (Cl. 105—401)

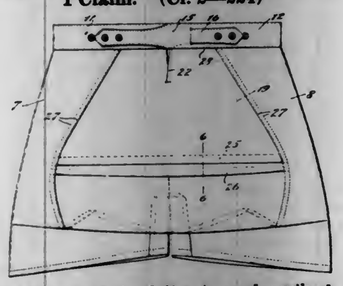
3. In a vehicle body side wall having an opening

therein and including a corrugated panel having a margin across the corrugations along a portion of the outline of said opening, and a trim strip of



angle section secured to the wall having a side backing said corrugated margin and a side closing the ends of the corrugations thereof.

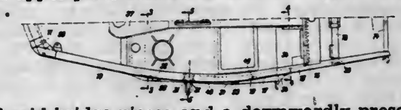
2,256,884
UNDERGARMENT
John A. Boysen, Rutherford, N. J., assignor to Robert Reis & Co., New York, N. Y., a corporation of New York
Application October 27, 1938, Serial No. 237,177
1 Claim. (Cl. 2—224)



An undergarment of the type described, comprising assembled body sections and an inserted seat section of the same material, said body sections extending from the front around the sides to the rear of the garment, and said seat section being constituted of a strip of fabric narrow at its upper edge and widening outwardly along sharply inclined upright edges toward the horizontal central portion thereof, and then curving convexly inwardly toward the bottom edge of the strip, said undergarment being provided with a pleat structure including a plurality of folds extending entirely across said strip and confined to approximately the widest portion thereof at the region intended to surround the maximum girth of the wearer, said strip being seamed along its said widening and curved edges respectively to each of said body sections respectively, substantially in the manner and for the purpose set forth.

2,256,885
VEHICLE CHASSIS FRAME
Franz Bruss, Berlin-Johannisthal, Germany, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa.
Application March 18, 1938, Serial No. 196,596
In Germany March 19, 1937
11 Claims. (Cl. 280—106)

1. A vehicle chassis frame comprising box section longitudinal side members and a hollow section transverse member interconnecting the front ends of said side members and consisting of two substantially vertical flanged bridge pieces, an upper plate connected with the upper flanges

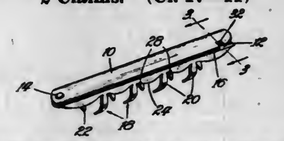


of said bridge pieces and a downwardly presenting channel inserted between the lower margins of said bridge pieces.

2,256,886
EMULSION AND METHOD OF PREPARING THE SAME
Walter D. Buckley, Berkeley, Calif., assignor to American Bitumuls Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application May 20, 1938, Serial No. 209,065
9 Claims. (Cl. 252—312)

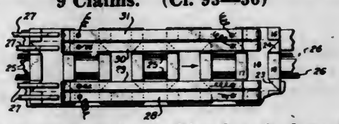
1. Process of stabilizing a bituminous emulsion having an aqueous phase with an alkalinity greater than about pH 11.5, which comprises adding unsaponified Vinsol resin thereto and thereby reducing the alkalinity of said emulsion to a pH of approximately 8.5 to 10 by partial reaction with said unsaponified resin to produce a stable emulsion having improved drying properties.

2,256,887
CLAMP
Paul Beck, Chicago, Ill., assignor of one-half to Frances M. Grosz, Chicago, Ill.
Application June 17, 1939, Serial No. 279,673
2 Claims. (Cl. 17—11)



2. A flesh clamp adapted to close the vent opening of a stuffed fowl during cooking comprising, in combination: a pair of arms, substantially smooth and substantially devoid of slots or crevices difficult to clean; and a pivot connecting one end of one arm to one end of the other, whereby said arms are guided in a scissorlike movement suitable for drawing together the flaps of flesh on either side of a V-shaped opening; each arm having teeth along an edge remote from the other arm; said teeth extending down from said arms in general parallelism with said pivot throughout a material portion of their length, whereby, when said arms are superposed by closing them, a space remains between said teeth but not between said arms for housing the edge portions of flaps of flesh.

2,256,888
MEANS AND METHOD FOR GLUING WATERPROOF BLANKS
Samuel Bergstein, Cincinnati, Ohio
Application January 29, 1940, Serial No. 316,188
9 Claims. (Cl. 93—36)



1. In a machine for making knock-down boxes

from blanks having waterproofed surfaces, means for heat treating localized corner areas, including means to move said blanks along, means to fold meeting surfaces of each corner portion into upwardly facing position, stationary, overhead hold-down means to retain said folded portions in folded position, and means to heat said hold-down means.

2,256,889

FOLDING TABLE LEG BRACE LOCK

Peter Blink, West Allis, Wis., assignor to Mitchell Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin

Application June 7, 1940, Serial No. 339,352
4 Claims. (Cl. 287—99)



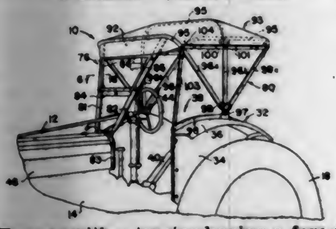
4. A latch for a jointed and foldable brace extended between a table top and a folding leg, comprising a shell having transversely separated ears, one of the ears being long and the other being short, means pivotally mounting the shell on said brace adjacent the joint therein, yielding means constantly urging said shell toward a position wherein both ears abut opposite sides of the brace, the shell being limitedly manually movable in the other direction sufficient to disengage only the short ear from its side of the brace, and adjustable and removable means to lock the shell in the first-mentioned position.

2,256,890

TRACTOR ENCLOSURE

Theophilus Brown and Talbert W. Paul, Moline, Ill., assignors to Deere & Company, Moline, Ill., a corporation of Illinois

Application February 23, 1940, Serial No. 320,300
2 Claims. (Cl. 296—111)



1. For use with a tractor having a fore and aft extending fuel tank and a pair of laterally spaced fenders, a cab comprising a bracket member mounted on the rear end of said fuel tank and fixedly secured thereto, a windshield frame comprising a pair of laterally spaced members fixed to said bracket and extending upwardly therefrom in diverging relation, a windshield disposed between and carried by said members, and a collapsible top comprising a plurality of transverse ribs having downwardly extending arms pivotally mounted on said fenders to fold forwardly against the top of said windshield frame.

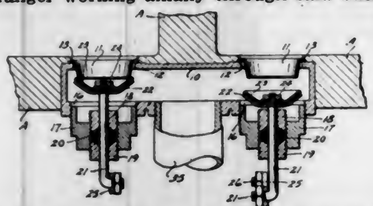
2,256,891

DRAIN VALVE FOR LAUNDRY TUBS

Olof S. Burman, Minneapolis, Minn.

Application November 18, 1940, Serial No. 366,102
4 Claims. (Cl. 137—21)

1. A drain valve assembly including a metallic valve box, an annular valve seat having a depending rim applied in the top of said box and affording an opening thereinto, a reducing bushing detachably applied in the bottom of said box, a plunger working axially through said bushing



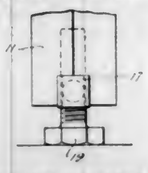
and provided at its upper end with a valve head engageable with the depending rim of said annular valve seat, and means for vertically moving said plunger and valve head to open and close a drain passage through said box, and which box is adapted to be embedded in a concrete base.

2,256,892

ADJUSTABLE SUPPORTING LEG

Olof S. Burman, Minneapolis, Minn.

Application March 6, 1941, Serial No. 381,971
4 Claims. (Cl. 45—139)



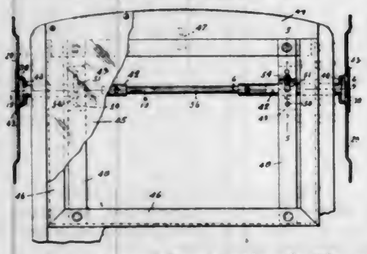
1. An angle iron leg provided in its end, in the medial plane that intersects the apex of the cross section of said leg, with a longitudinal notch, and a nut block having a reduced neck terminating in a head, said block in its body having an internally threaded passage, and an adjustable foot-forming bolt having threaded engagement therewith, said block being applied in the reentrant angle of said leg with its neck in said slot and with its head riding on the edges formed by said slot.

2,256,893

CHAIR CONSTRUCTION

Julius L. Cable, Dorchester, Mass.

Application January 13, 1940, Serial No. 313,723
6 Claims. (Cl. 155—86)



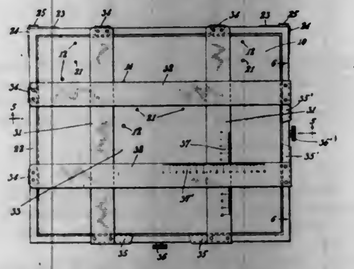
2. A chair comprising a pair of side panels each having a socket, a shaft non-rotatably mounted in said sockets, a seat pivotally mounted on the shaft, a slotted strap attached to the seat, and a pin in said shaft which passes through the slot and limits the rotation of the seat about the shaft to the extent of the slot.

2,256,894

EASEL

Bernard Chadkin, New York, N. Y.

Application May 9, 1939, Serial No. 272,732
3 Claims. (Cl. 88—24)



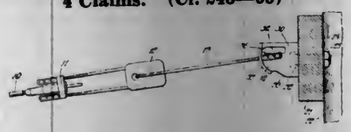
1. In a device of the class described, in combination, a board member, springy clasps arranged upon the latter and adapted to engage a sheet of paper, each of said clasps having one end thereof fastened to the board member, a tongue formed upon the other end of said clasp and being adapted to secure and regulate the insertion of said sheet of paper with respect to said clasps, said board member being formed with a plurality of holes therein, a stud adapted for insertion in said holes and being adapted for cooperation with said clasps in securing the sheet of paper in a selected position, a marginal frame hingedly connected to the board member, crosswise arranged members loosely overlapping each other and extending from one frame edge to the other, elongated slide members slidably secured to the crosswise arranged members, each of said slide members comprising a rack disposed within the marginal frame, the latter being formed with oblong slots therein, and screws adapted to move in said slots, securing said racks to the slide members, and means extending through the marginal frame for actuating said racks.

2,256,895

STRAIN INSULATOR CLEVIS

John Brown Cook, Chicago, Ill., assignor to Reliable Electric Company, Chicago, Ill., a corporation of Illinois

Application September 18, 1939, Serial No. 295,475
4 Claims. (Cl. 248—65)



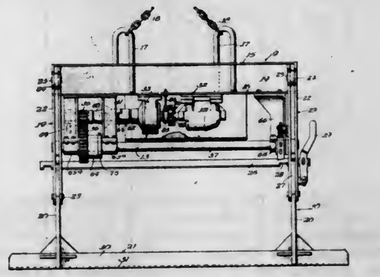
1. A clevis of the character described comprising a length of wire having enlarged heads at both ends and a mountable cooperating device to receive said wire, said cooperating device comprising spaced portions having slots therein and flanges extending laterally therefrom, said flanges having elongated longitudinally running slots therein communicating with the slots in said spaced portions, the slots in said spaced portions being of appropriate size to permit passage of the enlarged heads of the wire therethrough, the slots in said flanges being of a width greater than the diameter of the wire but less than the width of the heads at the ends thereof, said flanges being longitudinally curved substantially throughout their length so the take-off angle of the wire can be changed.

2,256,896

LIFTER

Edward V. Cullen, Chicago, Ill., assignor to Cullen-Friestedt Company, Chicago, Ill., a corporation of Illinois

Application July 8, 1938, Serial No. 218,118
9 Claims. (Cl. 294—113)



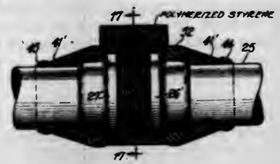
1. A lifter adapted for use in handling sheets and like articles and to be attached to a crane or hoist and comprising a pair of oppositely facing complemental jaws mounted to move to and from one another, driving means associated with the jaws, and gearing between the driving means and the jaws for conjointly shifting the jaws apart in response to drive of the means in one direction and conjointly shifting the jaws toward one another in response to reverse drive of said means, said gearing including a lost motion connection for permitting limited inward and outward shift of the jaws when the driving means is at rest, together with spring means associated with said connection and adapted when the jaws are shifted inwardly into gripping relation with the sheets to be so loaded that when the lifter is raised it urges the jaws inwardly to a limited extent to take up or compensate for any sag in the sheets.

2,256,897

INSULATING JOINT FOR ELECTRIC CABLE SHEATHS AND METHOD OF MAKING SAME

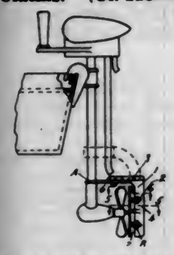
Ward F. Davidson, Port Washington, N. Y., and Earl R. Thomas, Palisades Park, N. J., assignors to Consolidated Edison Company of New York, Inc., New York, N. Y., a corporation of New York

Application July 24, 1940, Serial No. 347,168
10 Claims. (Cl. 174—85)



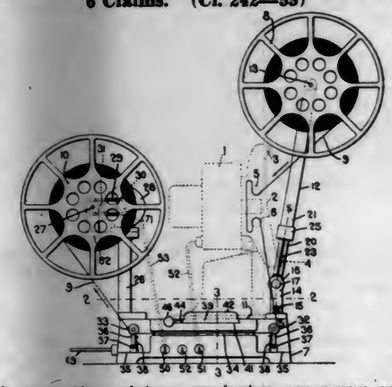
1. In combination with a metal sheathed electrical cable, insulating means for sealing and bonding with respect to each other, the spaced apart ends of two succeeding sections of the cable sheath, comprising a hard, tough homogeneous mass of substantially bubble-free polystyrene forming a sleeve-like member extending over and embracing said ends and tenaciously bonded thereto by polymerization thereon and by consequent shrinkage thereon.

2,256,898
TROLLING PLATE
Gustav A. W. Ehmke, Spokane, Wash.
Application April 10, 1939, Serial No. 267,046
3 Claims. (Cl. 115—0.5)



1. A flat trolling plate mechanism adapted for use with motor-propellers for boats, consisting of a depending arm adapted for attachment to the motor-propeller frame, a bifurcated flat trolling plate, the halves of which are hingedly attached to said arm directly behind the propeller, and a spring connecting each of the halves of the trolling plate.

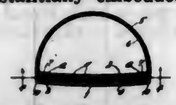
2,256,899
REEL-SUPPORTING MEANS FOR MOTION PICTURE PROJECTORS
Kendall T. Greenwood, Sanford, Maine
Application December 26, 1939, Serial No. 310,874
6 Claims. (Cl. 242—55)



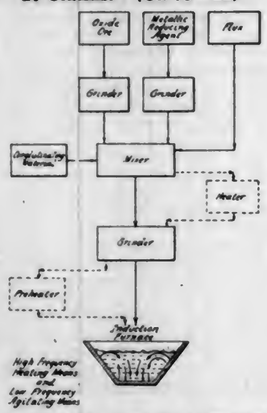
1. A motion picture projector accessory comprising a supporting base adapted to removably support a motion picture projector having the usual reel-supporting means, film-feeding mechanism and means to actuate the latter, means carried by the supporting base to support a supply reel in position to deliver its film to the film-feeding mechanism of such a projector supported on said base, means also carried by said base for supporting a take-up reel, both of said means being separate from the reel-supporting means of the projector and means separate from said projector and its film-feeding mechanism for rotating the take-up reel to wind the film thereon.

2,256,900
SHOE
Theodore Gutwein, Dayton, Ohio, assignor of one-third to Theodore C. Dye, Oakwood, Ohio
Application November 29, 1937, Serial No. 176,956
6 Claims. (Cl. 36—17)

1. In a shoe, a sole cushion member comprising a layer of fabric and a layer of sponge rubber smaller in extent than the layer of fabric with the fabric substantially embedded in and vulcanized to the rubber throughout the extent of the sponge rubber layer, whereby a wing of fabric about and beyond the sponge rubber is provided for anchoring the member to the shoe.



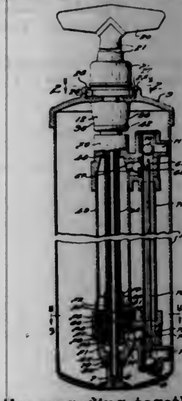
2,256,901
PRODUCTION OF FERROALLOYS
Gunnar Hörgård, Oslo, Norway, assignor to William Bell Arness, Ambridge, Pa., and Oliver Smalley, Pittsburgh, Pa.
Application August 22, 1939, Serial No. 291,430
In Norway August 22, 1938
10 Claims. (Cl. 75—11)



1. The method of producing low carbon ferroalloys, in which an alloying metal of the kind forming a tenacious carbide is derived from a difficultly reducible oxide thereof, in an electric induction furnace equipped with high frequency heating means and low frequency agitating means which comprises charging into a relatively large bath of molten metal in the furnace a finely divided charge containing said metallic oxide, a metallic reducing agent and flux if necessary, vigorously stirring the contents of the furnace during the reduction of the metallic oxide by application of said low frequency agitating means, tapping molten metal from the furnace in such amount that a volume of molten metal is retained in the furnace of at least one-third the volume of the entire contents of the furnace, and drawing off slag from the furnace as required.

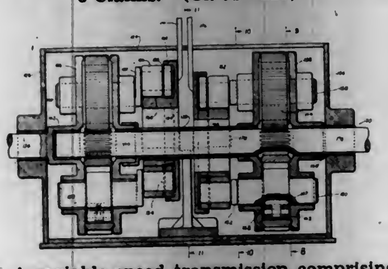
2,256,902
FIRE EXTINGUISHER CONSTRUCTION
Charles K. Huthsing, Grosse Pointe, Mich.
Application November 17, 1938, Serial No. 240,892
2 Claims. (Cl. 103—153)

2. In a fire extinguisher, a pumping cylinder, a piston reciprocable in said cylinder for expelling fluid from said extinguisher, said piston having a relatively close working fit within said cylinder, said cylinder having a portion thereof of larger diameter than the remainder thereof, said piston being normally positioned in said enlarged portion during non-use of said extinguisher and having sufficient clearance with respect thereto



to prevent the corroding together of said piston and cylinder during periods of non-use.

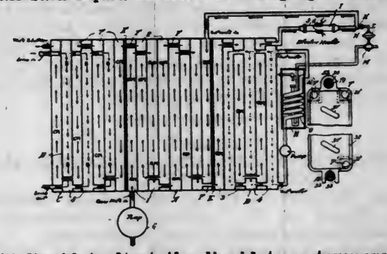
2,256,903
VARIABLE SPEED TRANSMISSION
George O. Joyner and Donald Scott Myers, St. Louis, Mo.
Application April 13, 1940, Serial No. 329,465
6 Claims. (Cl. 74—115)



1. A variable speed transmission comprising a plurality of driving drums, a driven shaft, gear portions rotatable with the driven shaft, a set of annular gears positioned in each driving drum adapted to engage a gear portion that rotates with the driven shaft, clutches positioned in the annular gears adapted to apply force to the driven shaft when rotated in one direction and permit free movement of the driven shaft when rotated in the opposite direction, the clutches in one set of annular gears being arranged to rotate the driven shaft in one direction and the clutches in the other set of annular gears being arranged to rotate the driven shaft in the opposite direction, rocker arms and cam followers operating the clutches, and a plurality of cams of adjustable eccentricity that are adapted to actuate the cam followers and rocker arms.

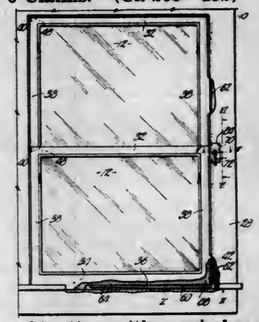
2,256,904
PASTEURIZING PROCESS AND APPARATUS
Edwin K. Kintner, Millburn, N. J., assignor to Arco Welding & Machine Works, Inc., Jersey City, N. J., a corporation of New Jersey
Original application February 28, 1940, Serial No. 321,172. Divided and this application July 23, 1940, Serial No. 346,910
11 Claims. (Cl. 219—40)

1. In a pasteurizing process, the steps of heating the liquid to be pasteurized in successive stages in a preliminary one of which the liquid is heated by circulating a heating fluid other than said liquid in heat exchanging relation to



said liquid to heat the liquid to a temperature less than the final required temperature, and controlling the temperature of said heating fluid in accordance with the temperature of said liquid at the end of the final stage of heating.

2,256,905
WINDOW SASH OPERATING MECHANISM
Frank J. Moss, Kansas City, Mo.
Application February 13, 1939, Serial No. 256,093
6 Claims. (Cl. 268—132)



1. The combination with a window sash slidably mounted in a frame for vertical movement, of an L-shaped rack disposed between the sash and said frame; and a pinion rotatably carried by the frame in engagement with said rack, one leg of said L-shaped rack being positioned horizontally along the bottom of the lower rail of the window sash, the other leg of said rack being positioned vertically along one side rail of the sash, the said one leg of the L-shaped rack being laterally offset at the free end thereof for normal engagement with the bottom of said lower rail adjacent to the mid-point between the ends of the latter.

2,256,906
BUNG BUSH
James C. Mullen, Cliffside Park, N. J., assignor to Verdi Bros. Cooperage Company, North Bergen, N. J., a corporation of New Jersey
Application July 10, 1939, Serial No. 283,621
1 Claim. (Cl. 217—113)



The combination with the bung stave of a barrel, said stave having different longitudinal and lateral curvatures, of a bung bushing compris-

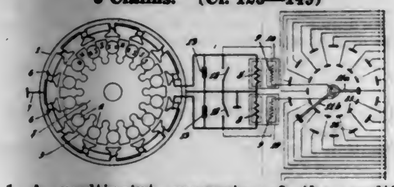
ing a smooth tapered tubular portion for insertion in the bung hole opening and an annular flange at the outer end of the cylindrical portion having a downwardly bent peripheral flange with the peripheral edge thereof uniformly embedded in the stave surface, opposite portions of said flange adjacent its periphery being chamfered to bring the upper peripheral edge of the flange in conformity to the longitudinal and lateral curvature of the stave surface.

2,256,907

MULTIPOINT MAGNETO FOR INTERNAL COMBUSTION ENGINES

Walter Ochsenbein, Berne, Switzerland, assignor to Hasler A. G. Werke für Telephonie & Präzisionsmechanik, Berne, Switzerland

Application November 21, 1939, Serial No. 305,485
In Switzerland December 13, 1938
6 Claims. (Cl. 123—149)



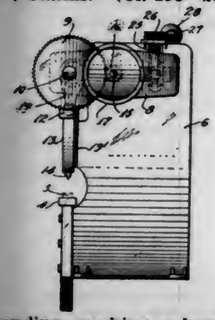
1. A multipoint magneto of the multipole magnet and stator type, comprising in combination, a stator winding comprising at least two coil groups, each including a plurality of serially connected coils, ignition transformers connected with said coil groups, respectively, circuit breakers adapted to control said transformers, respectively, and condensers connected in parallel with said circuit breakers, respectively.

2,256,908

MACHINE FOR BENDING SHEET METAL SHAPES

Albert Rafter, Glen Ridge, N. J., assignor to Rafter Machine Company, Belleville, N. J., a partnership composed of Albert Rafter and John C. Rafter, Jr.

Application April 2, 1940, Serial No. 327,465
7 Claims. (Cl. 153—21)



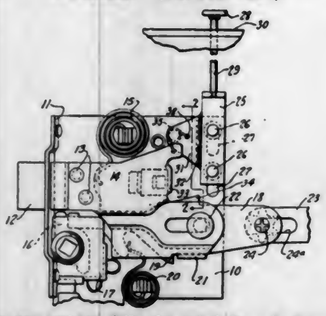
4. In a bending machine, a housing having a side wall, a bearing mounted in said side wall and having a drive shaft journalled therein, a beam pivotally mounted on said bearing, a ram, eccentric means at one end of the beam driven by said drive shaft to reciprocate said ram, means on said ram cooperating with said eccentric means and forming a connection between said shaft and said ram and means at the other end of the beam to adjustably raise or lower said beam to adjust the position of the ram.

2,256,909

LATCHING DEVICE

Holden W. Rightmyer, Toledo, Ohio, assignor to The American Swiss Company, Toledo, Ohio, a corporation of Ohio

Application December 6, 1938, Serial No. 244,189
2 Claims. (Cl. 292—167)



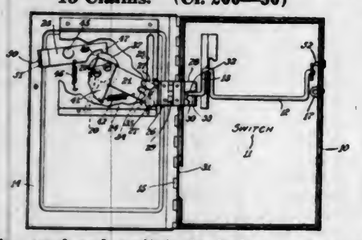
1. In an automobile door latch, a bolt member, inside and outside operators including an inside reciprocating link and an outside roll back arm, a movable device adapted to be actuated to render said bolt member ineffective to restrain the door, means for operatively connecting said inside link and said outside roll back arm to said movable device to enable said operators to so actuate the movable device, a single control device normally in a position where it is disconnected from said movable device but adapted to be moved through a path arranged at right angles to the roll back axis into a position where it will operate to prevent movement of the movable device and also prevent the inside link and the outside roll back from actuating said movable device, a single spring for holding the control device in both of said positions, and means operated by slamming of the door to move the single control device into its normal position where it is disconnected from said movable device.

2,256,910

ENCLOSED SWITCH

Raymond N. Rowe, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut

Application August 2, 1940, Serial No. 349,907
15 Claims. (Cl. 200—50)



1. An enclosed switch including a box body having a cover hinged thereto adjacent one edge, a circuit breaker mounted in the box body including an actuator with a portion extending toward said hinged edge, operating mechanism having a movably mounted handle on the outside of the cover, a movable arm mounted inside of the cover and connected to the handle for movement therewith, an end of said arm extending toward the hinged edge of the cover,

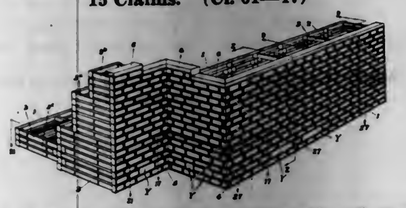
and means establishing slidable and rotatable connection between the said end of said arm and the extended portion of said actuator for maintaining operable connection between said arm and said actuator in all positions of said cover with respect to said box body.

2,256,911

STEEL CRIBBING

Elmer S. Utzler, Pittsburgh, and Max A. Schlienger, Bellevue, Pa., assignors to Pressed Steel Car Company, Inc., Pittsburgh, Pa., a corporation of Pennsylvania

Application July 19, 1938, Serial No. 220,032
15 Claims. (Cl. 61—47)



1. In a retaining wall, the combination of superposed rows of abutting channel shaped stretcher members having header connection flanges and top and bottom flanges extending rearwardly from the face of the wall, means on the top and bottom flanges of each stretcher member registering with complementary means on the flanges of adjacent stretcher members for securing the members against lateral displacement, vertically spaced rows of channel shaped stretcher members having abutting header connection flanges and disposed rearwardly of said superposed stretcher members, the flanges of said second-named stretcher members being directed towards said first-named stretcher members, substantially channel shaped filler members disposed between the spaced rows of said second-named stretcher members, at least one flange of the filler member engaging adjacent ends of the flanges of two abutting second-named stretcher members, similarly registering complementary means on said filler member flanges and the adjacent second-named stretcher member flanges engaging to resist lateral displacement, and channel shaped header members connecting the opposite first-named and second-named stretcher members, said header members being disposed at the ends of the first-named and second-named stretcher members and between the flanges of the first-named and second-named stretcher members, the end portions of said header members and the header connection flanges of said stretcher members being provided with similar registering complementary engaging means to prevent lateral displacement of the connected stretcher and header members.

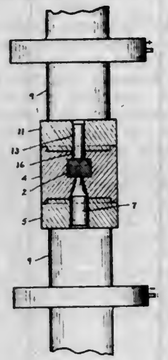
2,256,912

MANUFACTURE OF WIRE-DRAWING DIES

Elmer B. Welch, McKeesport, Pa., assignor to Firth-Sterling Steel Company, a corporation of Pennsylvania

Application May 2, 1939, Serial No. 271,318
3 Claims. (Cl. 219—3)

1. The method herein described of mounting a wire-drawing nib within the bore of a metal casing which consists in assembling a nib that is less in longitudinal extent than the length of the bore within and at the bottom of the bore in the casing, mounting the casing between two electrodes, the electrodes engaging the opposite heads or ends of the casing, causing an electric current to pass between the electrodes and through the central body portion of the casing while exteriorly subjecting the casing to the influence of a cooling medium, whereby the substance of the casing



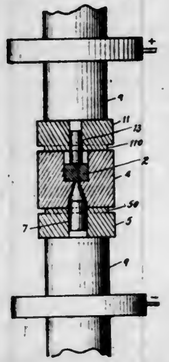
is softened interiorly while exteriorly it remains rigid, and subjecting the so conditioned casing, in the centrally heated body portion, to compression in the direction of the axis of the bore, whereby the walls of the bore close upon the contained nib, making intimate contact with the adjacent walls of the nib.

2,256,913

MANUFACTURE OF WIRE-DRAWING DIES

Elmer B. Welch, McKeesport, Pa., assignor to Firth-Sterling Steel Company, a corporation of Pennsylvania

Original application May 2, 1939, Serial No. 271,318. Divided and this application September 16, 1940, Serial No. 356,928
1 Claim. (Cl. 219—3)



In a press for shaping upon a nib for a wire-drawing die a carrier softened by the passage through it of an electric current, the combination of two pressure blocks adapted to serve as electrode blocks as well, each being perforate upon the common axis of nib and carrier when assembled and placed between them, each carrying frictionally a work-truing pin movable longitudinally in its perforation, and the so carried pins adapted to engage, one of them an axial bore in the carrier and the other a central depression in the nib of the assembly, and free to

recede within the pressure blocks when by pressure upon them the friction of their support is overcome.

2,256,914

CATTLE FOOD AND METHOD OF PREPARING SAME

Herbert H. Whitcomb, Littleton, Mass.

No Drawing. Application April 26, 1938, Serial No. 204,351
4 Claims. (Cl. 99—2)

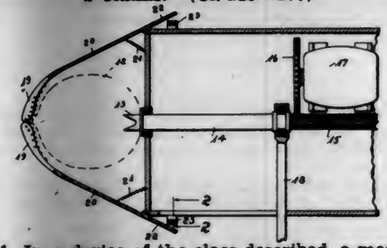
3. The herein described method of preparing a cattle food consisting in mixing in a suitable container finely cut hay or grass in a sufficient amount of a milk solution containing a carbohydrate to provide substantial quantities of protein, calcium and phosphorous in the food, closing the container, permitting said mixture to stand only until the contents have reached a state of mild fermentation whereby the thermophilic bacteria in the hay or grass react on the sugars to produce lactic and amino acid and to break down the internal portions of said hay or grass, and thereafter preventing further fermentation.

2,256,915

PRODUCT TREATING DEVICE

Otto U. G. Wilhelm, Los Angeles, Calif.

Application October 18, 1939, Serial No. 299,959
2 Claims. (Cl. 146—177)



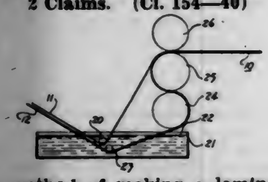
1. In a device of the class described, a mechanism including means for securely holding and rotating a product of the class described, and a grating mechanism embodying tension means for yieldingly engaging the sides of the product so as to remove matter from the surface of the product under rotating and advancing movements between the mechanisms whereby the product is contacted from all sides and from one end substantially to the opposite and whereby the product is ejected by a movement opposite to said advancing movement as soon as the grating mechanism closes in behind the grated product.

2,256,916

METHOD OF LAMINATING PAPER

Van Hamm Wilshire, Dayton, Ohio, assignor to The Specialty Papers Company, Dayton, Ohio, a corporation of Ohio

Application July 12, 1938, Serial No. 218,779
2 Claims. (Cl. 154—40)



1. The method of making a laminated sheet of waxed paper adapted for contact with edibles comprising applying a hot coating of wax on both sides of a thin sheet of substantially greaseproof paper, concomitantly applying a hot coating of wax to both sides of a thicker sheet of wax absorbent paper, the application of the wax coatings to the sheets being accomplished by passing both sheets into the same body of heated wax, moving the coated wax absorbent sheet around heated rolls providing a prolonged heating effect first on one side of the sheet and then on the other for absorption of surface wax into the body of such sheet, and pressing the combined sheets between coacting pressure rolls while the wax is hot to unite the two sheets together.

2,256,917

SCENTED FABRICATED ARTICLE

Carl Wolwode, Yonkers, and Adolph Cohen, New York, N. Y.

Application April 18, 1939, Serial No. 268,604
7 Claims. (Cl. 41—14)



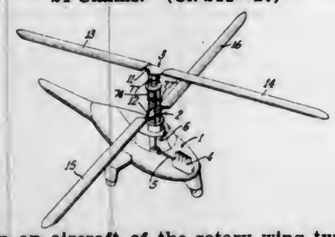
3. A scented fabricated article comprising a part executed in an unscented material substantially giving to said article the desired appearance and a filament made of a strip of foil which retardedly releases a suitable odor and is exposedly fastened upon said part.

2,256,918

AIRCRAFT

Arthur M. Young, Paoli, Pa.

Application August 12, 1939, Serial No. 289,719
24 Claims. (Cl. 244—17)



1. In an aircraft of the rotary wing type the combination which comprises a support having a main axis, a hub arranged to rotate about said main axis, a universal joint mounting for said hub on said axis, two blades extending in opposite radial directions from said hub in a plane perpendicular to said main axis and rotatably journalled in said hub, means for rocking said hub and blades as a unit about the lengths of said blades for feathering, and means for individually rotating said blades about their lengths with respect to said hub for pitch change.

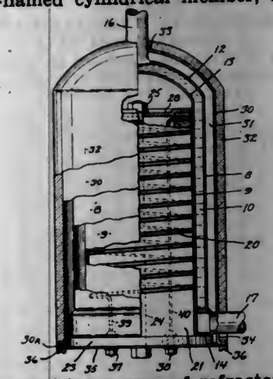
2,256,919

ELECTRIC LIQUID HEATER

Francis R. Ackerman, Cleveland, Ohio

Application January 20, 1939, Serial No. 251,909
7 Claims. (Cl. 219—39)

1. In an electric liquid heater, a liquid container comprising annularly spaced inner and outer metallic shell portions of cylindrical shape and integrally joined at the bottom ends thereof, a third cylindrically formed member arranged in spaced relation to the outer shell portion of the liquid container, insulation means surrounding the last-named cylindrical member, an electric



heater comprising a core of refractory material having a diameter substantially equal to the inner diameter of the inner shell portion of the liquid container, electric coils spirally formed on the core member and a base member serving only as the sole support for said core and means for securing the base member to said outer cylindrical member.

2,256,920

ANIMAL GLANDULAR PRODUCT AND PROCESS OF PRODUCING THE SAME

William D. Allers, Oak Park, Ill., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application October 19, 1938, Serial No. 235,865
6 Claims. (Cl. 167—74)

1. The process of treating animal glandular material which comprises admixing the glandular material in substantially its normal wet state with an inorganic sulfate chosen from the group consisting of ammonium sulfate, ammonium aluminum sulfate, aluminum potassium sulfate, aluminum sulfate and sodium hydrogen sulfate, allowing the mixture to stand to effect syneresis, and pressing the mixture.

2,256,921

MAKE-READY

Homer L. Bishop, Dayton, Ohio, assignor of one-half to Earl E. Stansell, Middletown, Ohio

Application March 17, 1939, Serial No. 262,397
6 Claims. (Cl. 41—25.5)



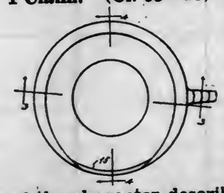
1. The process of producing a make-ready from a laminated structure having a plurality of laminations held together with a temporary bond, said laminations being provided with inactive bonding material that may be activated so as to form a permanent bond, the steps including the method of making an impression from a plate upon the face of the laminations, bodily removing portions from some of the laminations while united so as to cause a variation in the thickness of the laminated structure according to the gradations in shading in the impression and treating the make-ready having portions cut away so as to transfer the bond from the temporary bond into the permanent bond.

2,256,922

TABLEWARE ARTICLE

Mabel E. Bottome, South Orange, N. J.

Application November 15, 1939, Serial No. 304,592
1 Claim. (Cl. 65—13)



An article of the character described comprising a cup having its side wall outwardly convexed, an inwardly directed flange formed on the upper edge of the side wall, said flange extending along a major portion of said edge and leaving an exposed portion on said edge, said exposed portion serving as a lip receiving portion, and a handle mounted on said cup approximately 90° from the lip receiving portion.

2,256,923

METHOD FOR MAKING ALUMINUM WOOL

Charles E. Galvin, Springfield, Ohio; Reece M. Carey, administrator of said Charles E. Galvin, deceased

No Drawing. Application June 21, 1940, Serial No. 341,782
7 Claims. (Cl. 148—11.5)

1. The method of making wool from aluminum which consists of forming thin elongated cuttings from a starting body of the material, and then without working the resulting wool, raising its temperature above 500° F. sufficiently to remove the work hardening effect resulting from the cutting operation.

2,256,924

WELDING METHOD

Robert K. Hopkins, New York, N. Y., assignor to M. W. Kellogg Co., New York, N. Y., a corporation of Delaware

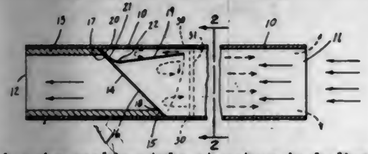
Application March 25, 1938, Serial No. 197,993
3 Claims. (Cl. 219—10)



1. The method of welding armor metal having a hard penetration-resisting zone, whose penetration-resisting characteristics are reduced by heat, and a weldable tough backing zone integrally united thereto which comprises forming a welding groove substantially only in the backing zone of the edges to be joined, abutting the edges of the metal of the penetration-resisting zone overlying the formed welding groove and

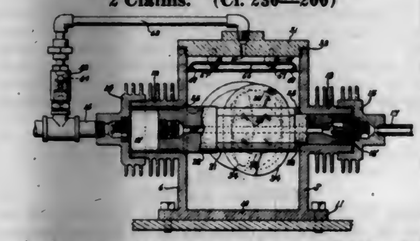
filling said groove with metal supplied by arc deposition from a fusible electrode to weld together the edges of the backing zone and to leave unconnected the edges of the penetration-resisting zone, said electrode being of small size and being traversed at a rate sufficiently high to prevent the temperature of ther metal of the penetration-resisting zone being raised to a temperature at which material softening takes place.

2,256,925
NOISE MAKING TUBE
Curtiss J. McCoy, Indianapolis, Ind., assignor to Air-Line Mfg. Co., Inc., Indianapolis, Ind., a corporation of Indiana
Application April 19, 1941, Serial No. 389,343
10 Claims. (Cl. 46—173)



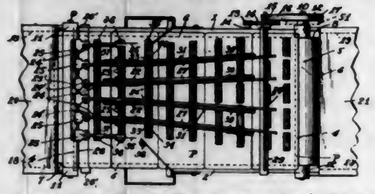
1. A noise making tube structure including an elongated tube, a seat forming member therein having a face biased to the longitudinal axis of the tube and positioned closer to one end than the other end, and a curled mounted flap member adapted to completely close the tube when engaging the seat but not ordinarily engaging the same, a stream of air entering the tube from said other end initially causing engagement between flap and seat by impingement of the flap upon said seat and then moving the flap from the seat by suction action of the air stream as it escapes from the tube at said other end immediately following flap seat engagement.

2,256,926
FLUID COMPRESSOR
Pietro Maniscalco, Chicago, Ill.
Application July 17, 1940, Serial No. 345,958
In Canada December 4, 1939
2 Claims. (Cl. 230—200)



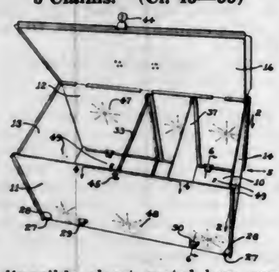
1. A compressor comprising a closed casing containing integral upright walls with an integral bottom thereon and an openable cover, two opposite walls being provided with two oppositely extending cylinders, a piston unit in the casing including a pair of oppositely extending pistons reciprocable in said cylinders, valved closure means on the ends of the cylinders, operating means including a member detachably connected to the piston unit and a drive shaft having a member thereon which engages the last said member for reciprocating it and the piston unit, a bearing collar detachably mounted in an opening provided in one of said walls and having the shaft journaled therein, said collar with the drive shaft and the member thereon being readily removable and insertable thru said wall opening, fluid conducting means to conduct compressed fluid out of the casing that may occur therein, and lubricant deflecting means mounted in the casing to prevent lubricant from getting into said fluid conducting means.

2,256,927
BAKER'S DOUGH CUTTING AND SPREADING MACHINE
Reinhart W. Pittman, Jackson Heights, N. Y.
Application October 12, 1939, Serial No. 299,171
5 Claims. (Cl. 107—22)



1. A machine for bakers' use, adapted to sever strips of prepared dough into sections and spread the sections, comprising a moving platform, for moving peel boards on which dough strips are supported, in continuation and succession along the length of said platform, from the beginning to the end thereof, means to sever the strips into sections at the beginning of said movement, and means succeeding the severing action, adapted to spread the sections, on the peel boards.

2,256,928
BOX
William R. Slack and Cyrus E. Lomax, Dayton, Ohio
Application December 30, 1939, Serial No. 311,850
3 Claims. (Cl. 43—55)

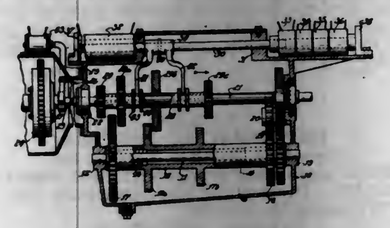


1. A collapsible sheet metal box comprising a bottom plate having a connection flange at each of two opposite edges thereof, a pair of opposed side plates each having a connection flange slidably interlocking with a flange of the bottom plate and having a connection flange at each of its two vertical edges, a second pair of side plates each having connection flanges slidably interlocking with flanges of the first pair of side plates, means projecting from opposite sides of said bottom plate, said second pair of side plates having openings receiving said projecting means to support the bottom plate from said second side plates.

2,256,929
AUTOMATIC GEAR SHIFT MECHANISM
Harold Sugarwater, Chicago, Ill., assignor of one-fourth to Charles Mann and fifteen per cent to Henry Blech, both of Chicago, Ill.
Application November 16, 1938, Serial No. 240,755
14 Claims. (Cl. 192—.01)

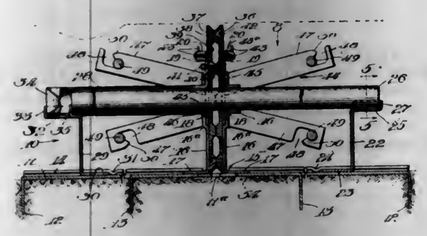
1. In a motor vehicle, a change speed gear

having a driving member, a driven member, a plurality of gear trains comprising driven gears and driving gears, said driving gears being unitarily movable in axial direction and affording



different speed ratios between said members, an accelerator, and means including electro-magnets and controlled by said accelerator for directly moving said driving gears for selectively engaging one of said driven gears.

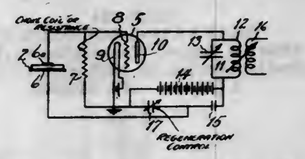
2,256,930
JOINT
Donald E. Willard, Danville, Ill.
Application March 14, 1934, Serial No. 715,384
27 Claims. (Cl. 94—18)



1. A reenforced joint for concrete slab construction comprising a reenforcing bar for extending between adjacent slabs, reenforcing means operatively associated with the bar on each side of the joint, each means having arms adapted to extend into the body of each slab on opposite sides of the bar and each arm having an opening therethrough, and bars located in said openings to provide a reenforcing connection with the associated arms across the slab.

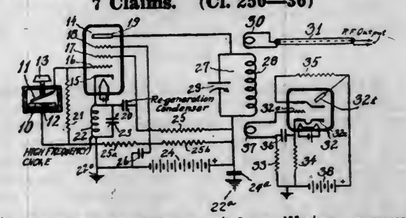
2,256,931
PIEZOELECTRIC CRYSTAL OSCILLATOR
John M. Wolfskill, Erie, Pa., assignor to Bliley Electric Company, Erie, Pa., a partnership composed of F. Dawson Bliley and Charles Collman
Application September 26, 1939, Serial No. 296,676
5 Claims. (Cl. 250—36)

2. Piezo-electric crystal oscillation generator apparatus, comprising: an electron discharge device having cathode, grid and plate, a piezo-electric crystal adapted to oscillate on its fundamental frequency or odd harmonics thereof, a tunable circuit having one terminal connected to said plate, said piezo-electric crystal having an electrode connected to said grid, a capacitative-voltage-divider regeneration control connected between the other terminal of said tunable circuit and said cathode for maintaining said plate circuit predominately capacitatively



reactive, and means for connecting the other electrode of said piezo-electric crystal to a point on said voltage divider having a relatively high radio frequency potential corresponding to the generated frequency.

2,256,932
PIEZOELECTRIC CRYSTAL APPARATUS
John M. Wolfskill, Erie, Pa., assignor to Bliley Electric Company, Erie, Pa., a partnership composed of F. Dawson Bliley and Charles Collman
Application January 11, 1940, Serial No. 313,461
7 Claims. (Cl. 250—36)



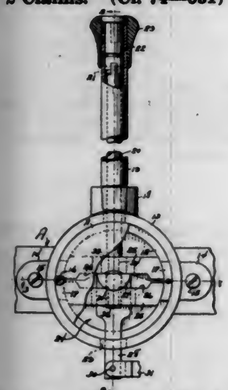
1. A piezo electric crystal oscillator, comprising: a piezo electric crystal element, a variable air gap holder for said crystal element having an electrode adjustable with respect to one of the principal faces of said crystal element, a vacuum tube having a grid electrode connected to an electrode of said crystal element holder, a cathode for said tube, a source of current supply, an inductance element functioning as a high frequency choke connected between said cathode and a negative terminal of said source of current supply, connections for connecting the other electrode of said holder to said negative terminal, connections for connecting a positive terminal of said source of current supply to another electrode of said tube functioning as an anode, and impedance means connected between said last mentioned tube electrode and said cathode for producing a regenerative effect and slightly driving said piezo-electric crystal throughout the total variation of said variable air gap electrode with respect to the corresponding crystal element face.

2,256,933
PROCESS FOR OBTAINING A SUBSTANCE LOWERING THE BLOOD PRESSURE
Ernst Wollheim, Lund, Sweden
No Drawing. Application July 2, 1937, Serial No. 151,753. In Switzerland July 3, 1936
4 Claims. (Cl. 167—74)

1. In the treatment of hormone material of the kind present in healthy urine and in the posterior lobe of the pituitary gland, and insoluble in concentrated ammonium sulphate solution, and containing a substance capable of lowering the blood pressure, the herein described step of heating such material in a solid state to

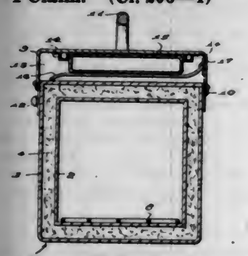
a temperature between about 100° C., and about 150° C., to destroy substances which are not stable at such temperatures.

2,256,934
BRAKE CONTROL DEVICE
Albert H. Adcox, Washington Park, Ill.
Application August 15, 1939, Serial No. 290,239
2 Claims. (Cl. 74—531)



1. A brake control device of the kind described comprising a braking lever, a manually operated throw lever movably connected to the braking lever, a friction clutch interposed between the levers and including movable frictional binding members both operated by the force of the braking lever for the holding and releasing of said levers in the setting and freeing of a brake, and means coacting with the throw lever and said members for the locking of the latter to prevent disengagement of the same.

2,256,935
LUNCH KIT
Melvin Rudolph Austin, Hazleton, Ind., assignor of one-half to Dennis Grazier, Akron, Ohio
Application May 26, 1939, Serial No. 275,986
1 Claim. (Cl. 206—4)



In a lunch kit, a container including a closed top wall, a cover member including a top wall and side and end walls of integral construction and having one of the side walls hinged on the container to permit said cover member to be positioned over the top wall of said container with the side and end walls of said cover member frictionally engaging the container and thereby permit said cover member and container to coact in forming a chamber, a substantially V-shaped spring member for clamping a receptacle in the chamber having laterally extending extremities journaled on one of the side walls of the cover member with the apex portion of said spring member engaging the top wall of the container, positioning said spring member under the receptacle to yieldably support said receptacle in the chamber, and lugs on the top wall of said cover member to engage opposite sides of the receptacle and cooperating with the spring member in preventing displacement of the receptacle in said chamber.

2,256,936
DOUGHMAKING PROCESS
Donald A. Battiste, Yeadon, Pa.
Original application September 5, 1940, Serial No. 355,536. Divided and this application May 21, 1941, Serial No. 394,550
7 Claims. (Cl. 107—54)



1. A method of treating dough for bread making to improve the texture thereof by removing accumulation of gas therein comprising, the step of rolling an elongated mass of dough, providing a cut substantially half way through said mass and substantially from end to end of said elongated mass, and continuing the rolling thereof until inner cut portions of said mass are distributed over surface portions thereof to provide a continuous skin surface therefor.

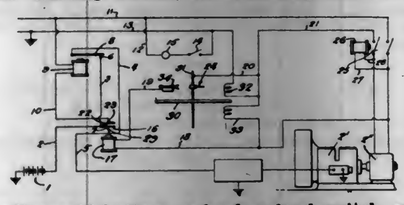
2,256,937
SUSPENSION OF ROTATABLE BODIES
Jesse W. Beams, Charlottesville, and Frederick T. Holmes, Proffit, Va., assignors to Research Corporation, New York, N. Y., a corporation of New York
Application December 17, 1938, Serial No. 246,506
9 Claims. (Cl. 308—1)



1. A high-speed centrifugal apparatus comprising a body rotatable about a vertical axis and having a ferromagnetic member mounted coaxially thereof and extending above the center of mass thereof, electromagnetic means positioned above said ferromagnetic member providing an upwardly converging magnetic field having a vertical axis of symmetry which extends coaxially of the rotatable body, said field reacting with said ferromagnetic member to produce a lifting force on said rotatable body, means exerting a rotational torque on said rotatable body, and means for varying the strength of said field in response to variations in the vertical position of the rotatable body.

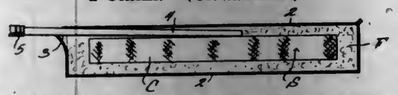
2,256,938
ELECTRICAL GENERATION POWER PLANT OF THE START-STOP TYPE
Wilson A. Charbonneaux, Burlington, Iowa
Application January 31, 1941, Serial No. 376,894
13 Claims. (Cl. 290—30)

1. In a load responsive stop-start electrical system for power plants of the type comprising an internal combustion engine with generator driven thereby and engine starting and ignition instrumentalities, a battery shiftable between alternate circuits, one being a starting circuit for supplying energy to the starter and initial ignition, the other being an ignition circuit for supplying ignition while the generator is generating, a solenoid actuated shift switch for shifting said battery from one of said circuits to the other, said switch being normally in a position which places said battery in said starting circuit, a normally open solenoid switch in said starting circuit, an activatng circuit in-



cluding said battery, a load, a load switch, and the solenoid of the solenoid switch in said starting circuit, said load and load switch being in parallel across the generator lines, said activating circuit being closed by closing of said load switch, and a generator circuit including the solenoid of said shift switch, said generator circuit including an inductively operated switch closing responsive to generated current for energizing said shift switch solenoid.

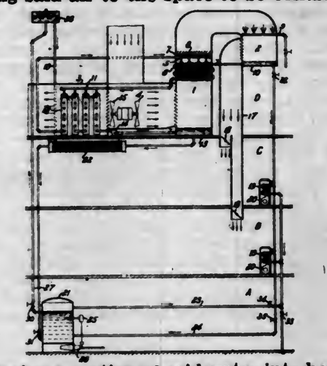
2,256,939
METHOD OF MAKING INNER SPRING MATTRESSES
Robert F. Copeland, Cullman, Ala.
Application February 16, 1939, Serial No. 256,807
1 Claim. (Cl. 226—43)



A method of making a mattress with an inner spring, comprising the steps of forming a box of woven material with one side wall open, inserting a compressible spring within the box through said open side with all three dimensions of the spring materially less than the three corresponding dimensions of the box, then closing said wall of the box except for an opening at a marginal portion of the wall and at substantially the transverse center of the box, blowing fluffy cotton fiber between one side of the applied spring and the box through an elongated nozzle extending within the box through the opening, then inverting the box and blowing fluffy cotton into the box between the opposite side of the applied spring and the box, using the nozzle after its second insertion within the box to compress the spring within the box to facilitate the blowing of the fiber within the box, and then removing the nozzle and closing the filling opening.

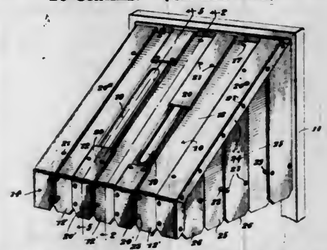
2,256,940
AIR CONDITIONING
Robert B. P. Crawford, Athens, Ga.
Application October 31, 1939, Serial No. 302,223
5 Claims. (Cl. 62—129)

1. A method of conditioning air which comprises reducing the moisture content of the air by direct contact with a hygroscopic liquid, thereafter subjecting the air to direct contact with an extended surface of water in an amount in excess of the amount of water evaporated during said contact, passing a portion of said water into heat exchange relation with said hygroscopic liquid, supplying said air to the space to be conditioned



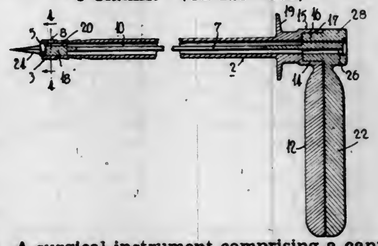
and bringing a portion of said water into heat exchange relation with the air in said space.

2,256,941
VENTILATED AWNING
Wilbur F. Crawford, Waco, Tex.
Application August 1, 1939, Serial No. 287,821
16 Claims. (Cl. 156—15)



1. An awning comprising a rigid face plate, a plurality of elevated portions thereon spaced apart to provide drainage channels therebetween, said drainage channels being open from end to end thereof, said elevated portions of the plate comprising channels inverted relative to the drainage channels and being provided with ventilating apertures, and watersheds carried by said plate in spaced relation above said elevated portions only and covering their apertures.

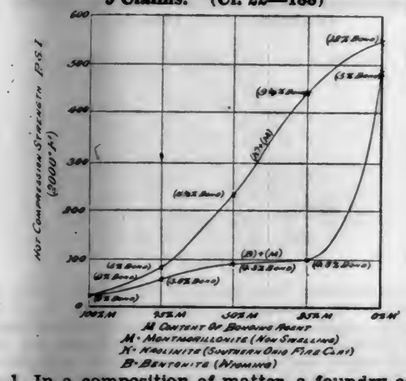
2,256,942
SURGICAL INSTRUMENT
John James Duffy, Denison, Iowa
Application August 8, 1938, Serial No. 223,770
5 Claims. (Cl. 128—303)



1. A surgical instrument comprising a cannula having an inner chamber and an opening at each end thereof, said cannula having an exterior end

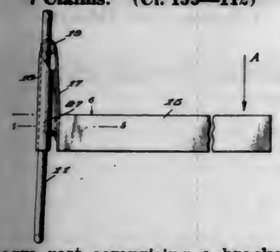
portion of undulated form to permit holding the cannula in place in the wall of the urinary bladder, a handle connected to said cannula, a trocar having a shaft portion adapted to extend substantially through the said inner chamber and provided with an enlarged portion adapted to fit within the undulated end portion of the cannula and to close the opening at the corresponding end portion thereof, said trocar having cutting edges extending outwardly from the said enlarged portion, a handle member connected to said shaft portion of the trocar, a lateral opening in the said undulated end portion of the cannula, a passageway in the said enlarged portion adapted to register with said lateral opening and extending to open into said chamber, an opening in the opposite end portion of the said trocar adapted to connect said chamber with the exterior during use of the instrument and means operated by said handles for opening and closing the said passageway.

2,256,943
FOUNDRY COMPOSITION
Norman J. Dunbeck, Elfort, Ohio, assignor to Peerpatco Incorporated, a corporation of Delaware
Application March 10, 1941, Serial No. 382,656
9 Claims. (Cl. 22—188)



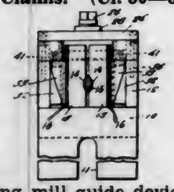
1. In a composition of matter, a foundry composition comprising in combination, sand, kaolinite and a clay of which montmorillonite is a large constituent.

2,256,944
ARM REST FOR MOTOR VEHICLES
Albert P. Fall, Toledo, Ohio
Application April 18, 1939, Serial No. 268,613
7 Claims. (Cl. 155—112)



6. An arm rest comprising a bracket and an arm support, the bracket including a pair of spaced flexible arms having means for substantially vertical suspension thereof from a support, a plate having guide channels opening toward each other and receiving said arms for adjustable movement of the plate lengthwise of the arms, a hinge connection between the arm support and plate for movement of the arm support into substantially horizontal operative position or into inoperative position substantially parallel with the arms, and means engageable with the inner sides of the arms and operative to force the arms apart into frictional locking engagement with the guide channels upon hinging movement of the arm support into operative position.

2,256,945
ROLLING MILL GUIDE BOX
Simon M. Hellman, Waukegan, Ill.
Application October 23, 1939, Serial No. 300,883
2 Claims. (Cl. 80—51)



1. In a rolling mill guide device, a horizontal base including spaced vertically arranged walls to receive a pair of guides for directing work to a rolling mill, pairs of companion wedge shaped blocks arranged between the walls and said guides for centering the work to the mill, one block of each pair of blocks having vertical grooves, projections formed on the other blocks and slidable in said grooves to permit the latter blocks to adjust vertically without longitudinal relative movement between the pairs of blocks, a frame mounted on the vertical walls and having a guide slot, a slide plate slidable in said slot, means for connecting said slide plate to one block of each pair of blocks, and an adjusting means carried by the frame and connected to the slide plate for the simultaneous adjustment of both guides by the adjustment of one block of each of blocks relative to the other blocks.

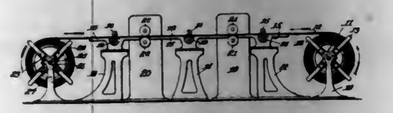
2,256,946
BOWSTAVE OR THE LIKE
Howard Hill, North Hollywood, Calif.
Application May 27, 1939, Serial No. 276,177
1 Claim. (Cl. 144—309)



A method of making a laminated bowstave,

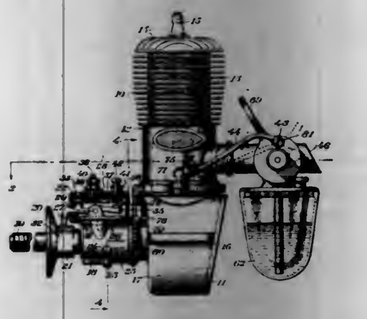
said method consisting in cutting a plurality of strips of the desired width and length from the wall of a bamboo cane whereby all of the strips have the same natural transverse curvature in cross section, then removing the pith layer on the inner concave sides of the strips and dressing the convex outer sides of the strips to smoothness, then similarly tapering the side edges of the strips toward the opposite ends thereof from the middle, then adhesively securing the strips together in superimposed nested relation.

2,256,947
WHEEL RIM AND METAL TREATING METHOD
George S. Lewis, Evanston, Ill.
Application January 2, 1940, Serial No. 312,129
2 Claims. (Cl. 148—10)



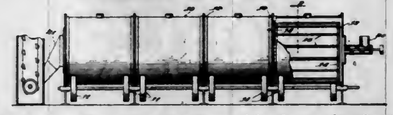
1. The method of annealing areas of a relatively high temper metal strip comprising subjecting said areas to contact with the electrodes of an electric welding device long enough to raise said areas to an annealing temperature, causing said areas to pass beyond the heating zone after having reached the proper temperature for annealing, thereby preventing the remaining areas from becoming annealed, and slowly cooling said areas.

2,256,948
THROTTLE AND IGNITION CONTROL FOR INTERNAL COMBUSTION ENGINES
Roy D. Lloyd and Robert L. Gardner, Pittsburgh, Pa., assignors of one-half to Pittsburgh Brass Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 14, 1940, Serial No. 352,634
13 Claims. (Cl. 123—98)



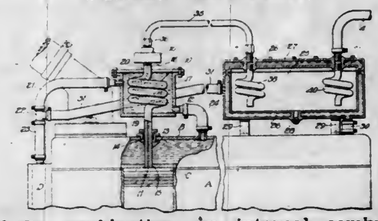
1. In an internal combustion engine having a body portion, a spark timing device and a throttle arm, gear means carried by the spark timing device, gear means mounted for rotation about said body portion and meshing with the first gear means, and a connecting link pivoted to the throttle arm and to the second gear means whereby actuation of the throttle arm will act through the medium of the said gears to actuate the spark timing device.

2,256,949
SCRAPER FOR CARBON BLACK DRUM
Charles E. McKinney, Borger, Tex., assignor to Continental Carbon Company, a corporation of Delaware
Application July 14, 1939, Serial No. 284,552
4 Claims. (Cl. 259—3)



1. Apparatus for carbon black manufacture comprising, in combination with a rotatably mounted horizontal cylindrical drums; an open scraper cylinder having a diameter approximating that of the drum mounted within the drum and axially parallel therewith and riding loosely in and supported by the drum, the cylinder being formed of widely spaced longitudinal scraper members disposed about the circumference of the scraper cylinder, and means for supporting the longitudinal members in their spaced relationship.

2,256,950
APPARATUS FOR DESTROYING ACID FLAME IN INTERNAL COMBUSTION MOTOR GASES
Arthur W. Reed, Boston, Mass., assignor to Atlas Power Corporation, a corporation of Delaware
Application January 25, 1938, Serial No. 186,768
2 Claims. (Cl. 123—198)

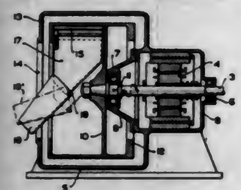


1. In combination, an internal combustion motor having a water jacket, a housing supported directly upon said motor, means for circulating the water of the water jacket through said housing, a coil mounted within said housing and having its ends extending through opposite side walls thereof, one of the ends of the coil extending through the water jacket of the motor into communication with the interior of one of the cylinders thereof, a gas take-off device carried by the opposite end of the coil, a gas storage tank mounted directly upon the motor, said gas storage tank having a water jacket therearound, and means for leading products of combustion from the gas take-off device to the gas storage chamber.

2,256,951
HORIZONTAL CENTRIFUGAL MACHINE
Pieter van Riel, Delft, Netherlands, assignor to N. V. Machinefabriek "Reineveld," Delft, Netherlands, a company of the Netherlands
Application October 28, 1938, Serial No. 237,530
2 Claims. (Cl. 233—22)

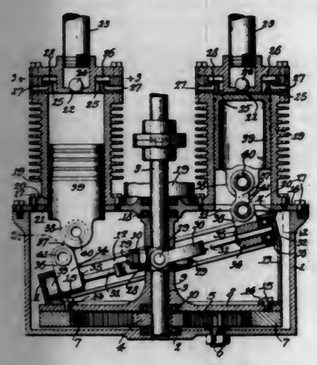
1. A centrifugal machine including a basket formed with an outlet, and a knife removable radially of the basket for scraping the accumulated material from the interior of the wall of the basket, a chute including a section rigidly connected to the knife and having a depending open end leading toward the outlet of the basket,

the chute including a second section pivotally connected to the first mentioned section and



forming a discharge continuation thereof, the open end of the second section extending through and beyond the outlet of the basket.

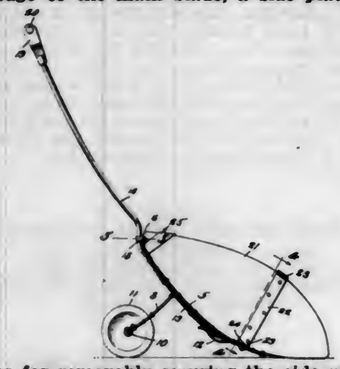
2,256,952
AIR COMPRESSOR
Paul Sappington, Los Angeles, Calif.
Application August 7, 1939, Serial No. 288,878
1 Claim. (Cl. 230—186)



A compressor including a housing, an annular series of cylinders supported on and opening downwardly into the housing and fixed relative thereto, a drive shaft journalled within the housing and rotatable about an axis parallel with the cylinders and equidistant therefrom, a rotatable casing within the housing, speed reduction means for transmitting motion from the shaft to the casing, a circular track inclined relative to the axis of rotation of but rotatable with the casing, said track including a channel extending continuously within the inner surface thereof, a collar mounted on the shaft, rods connected to the collar and mounted to swing in planes extending longitudinally of the shaft, rollers mounted on the rods and within the channel for moving engagement by the track, a block on each rod, said block being surrounded by the track, a piston in each cylinder, and a link connection between each piston and one of the blocks.

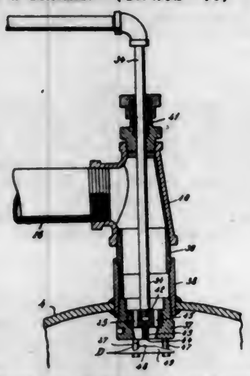
2,256,953
SNOWPLOW
Benjamin Franklin Smith, Lincoln, Nebr.
Application January 28, 1941, Serial No. 376,401
4 Claims. (Cl. 37—53)

1. A snow plow comprising a main curved wheel-supported blade, a removable handle section, a wide blade secured at the lower end of the handle section, said latter blade adapted to fit against the rear surface of the main blade, the handle extending upwardly beyond the upper edge of the main blade, a side plate, and



means for removably securing the side plate to either side edge of the curved main blade.

2,256,954
APPARATUS FOR TOBACCO TREATMENT
Horace L. Smith, Jr., and Lucian N. Jones, Richmond, Va., assignors to The Guardite Corporation, a corporation of Illinois
Original application December 21, 1937, Serial No. 180,987. Divided and this application July 22, 1940, Serial No. 346,815
4 Claims. (Cl. 261—76)

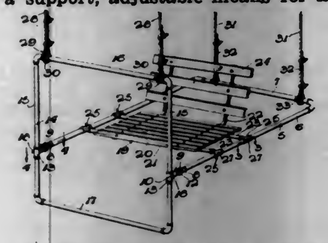


1. Apparatus for injecting a mixture of water and steam into a treatment chamber comprising a water nozzle, a plate aligned with but spaced from said water nozzle and disposed across the path of water issuing from said nozzle, and means adjacent said water nozzle for directing steam into contact with said plate in a path substantially parallel to and surrounding the water issuing from said water nozzle.

2,256,955
SWING
Gus D. Stevens, Norcross, Ga.
Application October 18, 1940, Serial No. 361,787
4 Claims. (Cl. 155—65)

4. A swing comprising a generally horizontal generally U-shaped frame having sides and an end, the frame being open at its forward end so that the user may enter such frame through its forward end, a generally vertical frame having sides and a top and bottom, the top serving

as a hand grip and the bottom as a foot rest, couplings secured to the ends of the sides of the generally U-shaped frame and vertically adjustably mounted upon the generally vertical frame, a support, adjustable means for mount-



ing the support upon the sides of the generally U-shaped frame so that the support may be shifted longitudinally thereof, a seat mounted upon the support, suspension means for the generally vertical frame, and suspension means for the generally U-shaped frame.

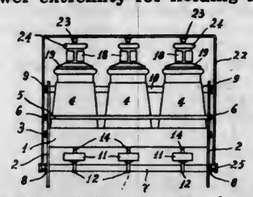
2,256,956
SALES BOOK
Charles Morton Stewart, Jr., Eccleston, Md., assignor to The Baltimore Salesbook Company, Baltimore, Md., a corporation of Maryland
Application April 25, 1940, Serial No. 331,661
1 Claim. (Cl. 282—22)



An article of the class described comprising first, second and third leaves in manifold relation, said second and third leaves being detachably connected together at one end and each having a portion detachable from the remainder thereof at a distance from said end, said remainder of the second leaf having adhesive material disposed thereover and being secured by a portion of said adhesive at a restricted area thereof to the third leaf, the structure enabling detachment of said remainders as a unit from the first leaf following detachment of said portions, and subsequent separation of said remainders so that the one provided with adhesive may be used as a delivery label and the other used as a shipping label.

2,256,957
FLASK TRAY WITH A MECHANICAL STOPPER LIFTER AND A MEANS FOR DELIVERING A PREDETERMINED VOLUME OF LIQUID
Roberto Traynor, Buenos Aires, Argentina
Application November 28, 1939, Serial No. 306,566
2 Claims. (Cl. 221—97)

1. The combination of a flask carrier with mechanical means for opening flasks on said carrier and delivering a predetermined quantity of liquid therefrom comprising a support and a tray thereon for carrying flasks, means for securing said flasks on said tray, a shaft supported in the ends of said support beneath said tray and a rod supported in the ends of said support in rear of said tray, a key lever for each of said flasks pivoted on said shaft beneath the corresponding flask, a link pivoted to said key lever at one end, a carrier lever pivoted at one end on said rod, said link being pivoted at one end to said carrier lever, a stopper for said corresponding flask, secured to the free end of said carrier arm, said stopper having an extension extending into the lower part of the flask when said stopper is in closed position, said extension having a cavity near its lower extremity for holding a predeter-



mined quantity of liquid, whereby when said key lever is depressed the stopper and its extension are lifted from the flask with the liquid contained in said cavity.

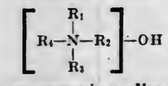
2,256,958
QUATERNARY AMMONIUM HYPOHALITES AND METHOD OF MAKING SAME
Irving E. Muskat, Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application May 13, 1939, Serial No. 273,551
15 Claims. (Cl. 260—570.9)

1. A hypohalite of a compound of the group consisting of lower aliphatic, araliphatic and aryl-aliphatic quaternary ammonium hydroxides.

2,256,959
HYPOCHLORITE OF QUATERNARY AMMONIUM HYDROXIDE AND PRODUCTION THEREOF
Irving E. Muskat, Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application November 7, 1940, Serial No. 364,698
15 Claims. (Cl. 260—290)

5. N-alkyl pyridinium hypophalite.

12. A hypohalite of an organic ammonium hydroxide which has the structure

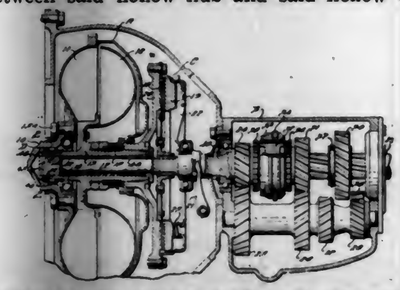


in which R_1 is an organic radical, R_2, R_3, and R_4 are radicals of a group consisting of hydrogen and organic radicals which are linked to the nitrogen atom by a carbon atom of each of R_1, R_2, R_3, and R_4, characterized by the fact that said hypohalite contains a substantial quantity of active halogen.

2,256,960
POWER TRANSMISSION
Carl A. Neracher and William T. Dunn, Detroit, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application December 11, 1939, Serial No. 308,512
2 Claims. (Cl. 192—3.2)

1. In a drive for a motor vehicle, a driving structure comprising a driving shaft and a fluid coupling impeller mounted on the driving shaft, a driven shaft disposed coaxially with the driving shaft, a hollow hub mounted on the forward end of the driven shaft and adapted to transmit drive from the driving shaft to the driven shaft, said driving shaft having a rear hollow end portion receiving the forward end portion of said hollow hub therewithin, an anti-friction bearing

journalling said end portion of said hub in said driving structure, a fluid coupling runner mounted on said hollow hub rearwardly adjacent said bearing and adapted to be driven by said impeller, and overrunning clutch means disposed forwardly adjacent said bearing for operation between said hollow hub and said hollow end



portion of the driving shaft, said overrunning clutch means being automatically operable to drivingly connect said hub with said driving shaft in response to tendency of the driving shaft to drop below the speed of rotation of the hub while releasing this driving connection in response to tendency of the driving shaft to rotate faster than the hub.

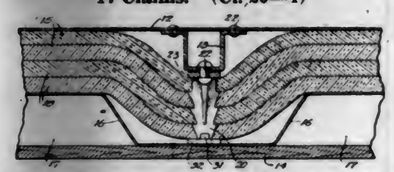
2,256,961

REFRIGERATOR CAR INSULATION AND METHOD OF APPLYING IT

Ernest W. Pearson and Douglas J. Baillie, Montreal, Quebec, Canada

Application January 24, 1940, Serial No. 315,358

17 Claims. (Cl. 20—4)



1. In a wall insulation, a plurality of horizontal supports, said supports bearing a plurality of spaced barbs along the edges thereof and being pointed at the ends, a plurality of flexible insulating sheets suspended upon said supports and retained thereon in spaced relation to each other by said barbs.

2,256,962

RECOVERING CARBON DIOXIDE FROM FLUE GASES

Gustave T. Reich, Philadelphia, Pa.

No Drawing. Application October 20, 1938, Serial No. 236,001

3 Claims. (Cl. 23—150)

1. A continuous cyclic process for extracting carbon dioxide from flue gases, comprising absorbing the carbon dioxide present in the flue gas in a solution containing an alkali carbonate in saturated solution until alkali bicarbonate in saturated solution and a suspension of alkali bicarbonate is produced, dissociating thermally the suspended bicarbonate at a temperature below the boiling point of the solution sufficiently slowly to allow this dissociation to replace in the solution a quantity of water substantially equal to the water given off from the solution during the dissociation, said dissociation producing gaseous carbon dioxide and alkali carbonate, dissolving the alkali carbonate in the solution with the precipitation of alkali bicarbonate therefrom, and re-using the solution after the dissociation as an absorber.

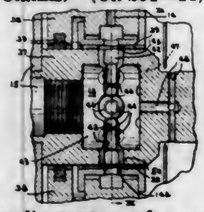
2,256,963

HYDRAULIC GOVERNING APPARATUS

Henry F. Schmidt, Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 12, 1940, Serial No. 365,236

10 Claims. (Cl. 264—14)



1. In a hydraulic governor for controlling the speed of a rotary member, means for maintaining a pulsation-free pressure dependent upon speed of the rotary member and including a centrifugal fluid relief passage formed in the latter, said passage having its discharge end disposed nearer to the axis of the rotary member than its inlet end and located between the latter and the axis, and a ridge carried by the rotary member and bounding the discharge end of the passage.

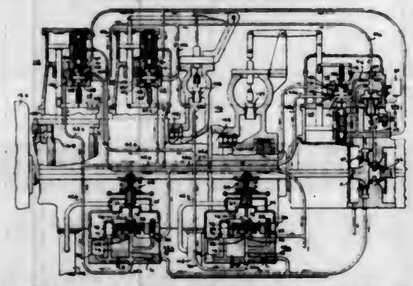
2,256,964

GOVERNOR APPARATUS

Anthony F. Schwendner, Ridley Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 20, 1940, Serial No. 370,921

16 Claims. (Cl. 60—67)



1. The combination with an extraction turbine having steam admission and extraction valves, of means including pressure-responsive devices for controlling the valves, the pressure-responsive devices including movable elements each provided with a plurality of pressure areas, the movable element of the admission valve pressure-responsive device having the pressure areas thereof facing in the same direction and the movable element of the extraction valve pressure-responsive device having the pressure areas thereof facing in opposite directions, means operated by the turbine and providing a force dependent upon the speed thereof, means for transforming said force into fluid pressure, means providing for application of the transformed fluid pressure to one of the pressure areas of each of said movable elements, means responsive to extraction steam pressure to provide fluid under controlling pressure, and means providing for application of fluid under controlling pressure to the remaining pressure areas of said movable elements.

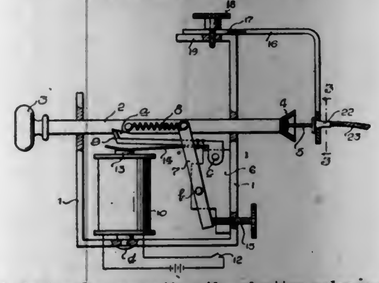
2,256,965

REMOTE CONTROL FOR CAMERA SHUTTERS

Delaney E. Sexton, Hollywood, Calif.

Application June 3, 1940, Serial No. 338,667

1 Claim. (Cl. 74—2)



A device for operating the shutter release cable of a camera including a frame, a plunger reciprocably mounted in said frame and provided with a recess intermediate its ends, a bracket mounted on said frame for holding the sheath of said shutter release cable whereby to hold the latter adjustably in operative relation with one end of said plunger, a second bracket pivoted intermediate its ends to said frame, springs connected at one end to one end of said pivoted bracket and at their opposite ends to said plunger for urging the latter toward and against the end of said cable, means bearing against the opposite end of said second bracket to adjust the tension of said spring, an electro-magnet, an armature engageable with the recess of said plunger for resisting the action of said springs on said plunger, means for energizing said magnet to attract said armature to release the same from said plunger and resilient means attending said armature for normally urging the same into position for reengagement with said plunger recess.

2,256,966

COMBINED SUNGLASS AND EYE SHADE

William Simonton, New York, N. Y.

Application December 12, 1940, Serial No. 369,696

4 Claims. (Cl. 2—12)



4. A sun glass and eye shade combination comprising a sun glass section for extending across the bottom area of the eye, a shade section for extending across the top area of said eye and in face adjacency with said sun glass section, pintle pins mounted through the end portions of one of said sections and engaging through slots in the other of said sections, and resilient means acting between said pintle pins and the slotted section for urging the sections into engagement with each other to hold them in various relative pivoted positions, said sections being provided with metallic ends and said pintle pins being engaged through said metallic ends, and means for holding said sections against pivoting when urged into their face adjacency by said resilient means, said means comprising a fan tail formed on one of said metallic ends and having serrations, a right angular tail formed on the other of said metallic end sections and selectively engageable with the serrations of said fan tail.

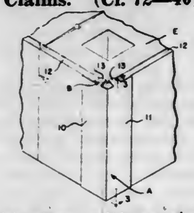
2,256,967

CORNER PROTECTING PLATE FOR STRUCTURAL BUILDING BLOCKS

Irving Stagg, Garden City, Mich.

Application February 26, 1940, Serial No. 320,932

2 Claims. (Cl. 72—40)



1. The combination with a structural block having face plates upon adjacent sides thereof, of a protecting corner plate having substantially rectangular side portions disposed in surface-to-surface relation upon the face plates and substantially equal in length to the height thereof, and means at the upper and lower ends of said corner plate for attaching it to said face plates, the attaching means at the lower end of said corner plate consisting only of hooked flanges projecting from said side portions, a part of said hooked flanges bearing in surface-to-surface relation against the lower edges of said face plates, and other parts of said hooked flanges extending upwardly between the face plates and body portion of the block, and the attaching means at the upper end of the corner plate consisting only of tongues projecting from said side portions and disposed in surface-to-surface engagement with the upper edges of said face plates.

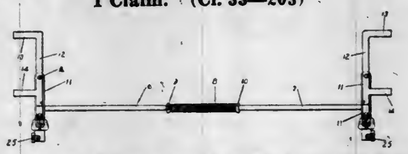
2,256,968

WHEEL ALIGNING INSTRUMENT

Henry Wochner, Rock Island, Ill.

Application December 18, 1939, Serial No. 309,833

1 Claim. (Cl. 33—203)



A device of the class described, comprising a bar and cross-plate at the end thereof, a gauge on said plate provided with scales, for reading in connection with making tests of alignments of automobile wheels, an indicator arm pivoted to said plate in line therewith, and provided with means for reading on one or other of said scales independently of the others, a wheel contact arm pivoted to said plate, in alignment with the pivot of said indicator arm and with the center line of

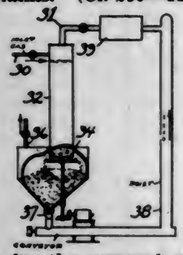
said gauge, and a U-shaped connection between the contact arm and the indicator arm pivoted to said parts respectively at its ends, having a limited amount of resiliency for lateral play.

2,256,969

METHOD FOR CONTROL OF TEMPERATURE IN CATALYTIC EXOTHERMIC REACTIONS

Frank T. Barr, Summit, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application June 12, 1940, Serial No. 340,062
5 Claims. (Cl. 260—449)



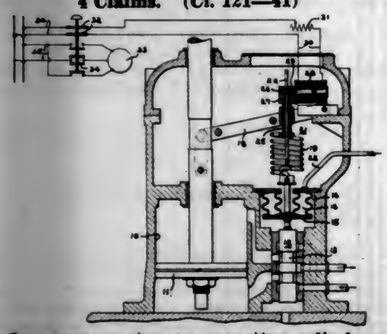
1. A process for the removal of the heat of reaction and maintaining a relatively constant temperature in a reaction involving the hydrogenation of oxides of carbon for the production of hydrocarbon constituents containing more than one carbon atom in the molecule which comprises passing feed gases containing oxides of carbon and hydrogen in contact with a suitable catalyst under conditions adapted to hydrogenate the oxides of carbon, whereby exothermic heat is evolved, removing the exothermic heat as it is evolved by utilizing a sufficient quantity of the catalyst and by absorbing the same as sensible heat of the catalyst, separating the heated catalyst from the reaction zone, removing the heat of reaction therefrom by cooling and again utilizing the cooled catalyst in the reaction zone.

2,256,970

GOVERNING MECHANISM

Orro N. Bryant, Prospect Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 8, 1939, Serial No. 308,245
4 Claims. (Cl. 121—41)



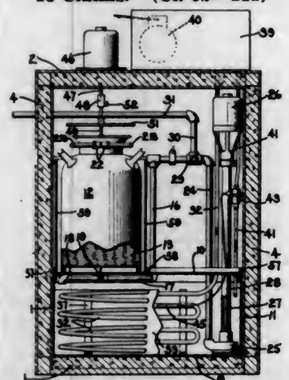
1. In a servo-motor, an operating cylinder with an operating piston therein, a pressure-responsive relay controlling the admission and exhaust of motive fluid to and from the operating cylinder, follow-up mechanism rendered effective by movement of the operating piston to return the relay to neutral position, said follow-up mechanism including elastic and inelastic links arranged in parallel between a pair of spaced parts thereof and the inelastic link including telescopic parts, a frictional brake between the telescopic parts, and means for varying the frictional force of the brake.

2,256,971

REFRIGERATOR

Joseph W. Chamberlain, Zeeland, Mich.

Application March 18, 1940, Serial No. 324,573
13 Claims. (Cl. 62—141)



1. A refrigerator for cooling milk comprising, a cabinet, a supporting floor in said cabinet to support milk containing receptacles, a compartment divided into a plurality of communicating chambers, refrigerating coils in each chamber, the number of coils in said chambers varying from a greater number in the one at one side of the compartment to a lesser number in each adjacent chamber so that a decreasing amount of ice will be formed in each adjacent chamber from the one at the one side of the compartment, means for flowing water through said chambers and around said coils beginning with the chamber having the greatest number of coils and ending with the chamber having the least number of coils, a conduit extending from said last chamber to a point adjacent a receptacle, two additional conduits pivotally connected to the first conduit to be rotated about a vertical axis, said additional conduits being bowed outwardly in opposite directions in substantially a half circle and located in a horizontal plane around the top of said receptacle, a plurality of openings in said additional conduits to direct cooled water passing therethrough over and around said receptacle, and openings in said supporting floor adjacent the chamber having the greatest number of coils therein, whereby water, having flowed over and around said receptacle, will be directed to said last named chamber.

2,256,972

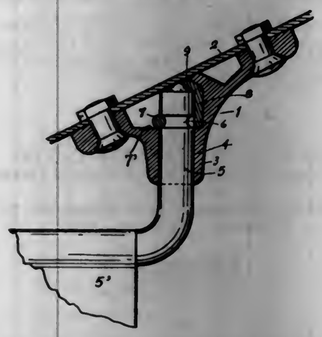
VIZOR STRUCTURE

Charles W. Dake, Grand Haven, Mich., assignor to Peerless Novelty Company, Grand Haven, Mich., a corporation

Application December 30, 1939, Serial No. 311,759
3 Claims. (Cl. 248—289)

1. In a vizor structure of the class described, comprising a supporting bracket having a base portion and a downwardly extending boss with a

cylindrical parallel sided hole extending vertically therethrough, a curtain supporting rod having an upwardly extending parallel sided portion extending longitudinally through said cylindrical hole the said rod having an annular groove intermediate its upper end and the lower end of the said boss, a friction shoe supported in the



bracket above the parallel sided hole and engaging the top of the curtain supporting rod and a spring anchored in said bracket and engaging the said rod in said annular groove whereby the said upwardly extending portion of the said curtain supporting rod is forced against one side of said cylindrical hole and against said friction shoe.

2,256,973

ICE FORMING CAN

Cornelius Doherty and Wilmer Mitten, Jersey City, N. J.

Application May 25, 1940, Serial No. 337,190
3 Claims. (Cl. 62—108)



1. A device of the class described, comprising a rectangularly shaped can forming a mold in which a block of ice or other material may be formed, dove-tailed flange members extending along opposed walls of said can to form grooves in said block of material to guide the severing of said block into equal parts, plates extending vertically along said opposed walls of said can, dove-tailed grooves formed in said plates and engaging said dove-tailed flange members for holding said plates in position, and auxiliary flange members formed on the sides of said plates to form auxiliary grooves in said block of material to guide severing said block into smaller equal parts.

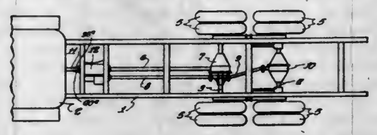
2,256,974

DUAL DRIVE TRANSMISSION

Eugene J. Dondlinger, Chicago, Ill.

Application April 17, 1940, Serial No. 330,135
12 Claims. (Cl. 180—22)

1. In a motor vehicle having dual driving axles with independent drive shafts therefor, a special transmission assembly including a power delivery shaft, a main shaft and a side shaft, the main shaft being connected directly to one of said axle drive shafts, gears on the power shaft, the main shaft and side shaft providing an over-drive train and an under-drive train, means in said assembly for selectively connecting said power delivery shaft to only one of said axle drive shafts



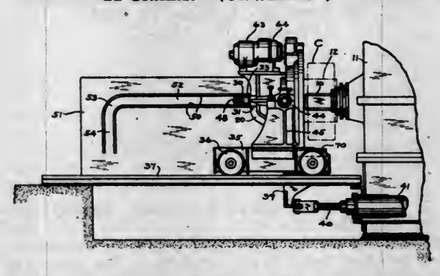
for operation of the latter through the over-drive train or to both of said axle drive shafts for revolution of both simultaneously at the same speed through the under-drive train, and means positively preventing the driving of both said dual axles through the over-drive train.

2,256,975

APPARATUS FOR MANIPULATING METAL COILS

Lawrence Eddy, Raymond E. Comtois, and Alfred R. Keller, Worcester, Mass., assignors to Morgan Construction Company, Worcester, Mass., a corporation of Massachusetts

Application October 11, 1939, Serial No. 299,044
11 Claims. (Cl. 242—81)



4. In combination with a horizontal rotatable overhung arbor, a block arranged to be mounted on the arbor and rotated thereby for the formation of a coil of strip metal on the outside of the block, a carriage arranged to reciprocate in a direction parallel with the arbor, and means mounted on the carriage to strip the block and coil from the arbor and up-end the block and coil as the carriage moves away from the arbor.

2,256,976

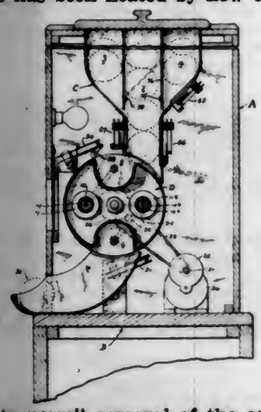
VENDING MACHINE

Everett P. Ford, San Francisco, Calif., assignor of one-half to Lloyd H. Garrison, San Francisco, Calif.

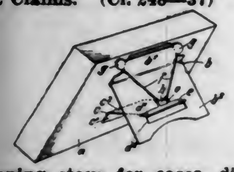
Application May 1, 1939, Serial No. 271,009
8 Claims. (Cl. 219—19)

1. In a food vending machine a drum having a pocket formed therein for successive reception of food articles, a pair of shiftable pointed electrodes carried by the drum, one at each end of the pocket and in register therewith, means for imparting rotational movement to the drum, cam controlled means operable upon rotation of the drum to impart shifting movement to the electrodes to cause the pointed ends to enter and penetrate a food article placed in the pocket, means for closing an electric circuit through the electrodes and a penetrated food article in the pocket to heat the food article, and means actuated by rotation of

the drum for withdrawing the electrodes after the article has been heated by flow of the current and to permit removal of the article from the pocket.



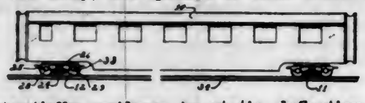
2,256,977
CASE, DISPLAY CARTON, AND THE LIKE
Richard Graebener, Karlsruhe, Baden, Germany
Application June 30, 1939, Serial No. 282,029
In Germany January 19, 1939
2 Claims. (Cl. 248—37)



1. Self-opening stays for cases, display cartons and the like with stays on the rear wall for setting up in a sloping position, characterised by two bent strips secured to the rear wall of the case at their ends to provide two oppositely disposed hinged flaps, said flaps engaging one another at their free ends, the free portion of one flap being provided with a shouldered slot in which the free portion of the other flap is slidable, the free end of said other flap having a T-shaped head which limits the movement of the first-mentioned flap in one direction, said other flap being undercut below the T-shaped head to the same width as the narrow portion of the shouldered slot, so that when the first mentioned flap swings outwards, the undercut portion below the head of the other flap slides into the narrow portion of the slot to lock the stay in the open position, and resilient means connected to the swinging portion and the secured portion of the first-mentioned flap and tending to swing the first-mentioned flap outwards as far as the T-head permits.

2,256,978
RAILWAY VEHICLE
Robert N. Janeway, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Original application October 1, 1938, Serial No. 232,756. Divided and this application December 5, 1939, Serial No. 307,661
2 Claims. (Cl. 105—197)

1. In a railway vehicle, a car body having substantially similar weight distribution at both ends, a plurality of trucks each provided with a plurality of springs adapted to jointly support said car body, the springs of each truck being



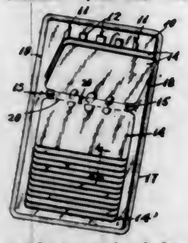
substantially uniform in static deflection and differing in static deflection from the springs of the remainder of the trucks supporting the same car body at least ten per cent.

2,256,979
COMMUNION KNEELER COVER
John Christopher Jones, Springfield Gardens, N. Y.
Application February 3, 1940, Serial No. 317,086
9 Claims. (Cl. 155—166)



2. In combination with a church pew and communion kneeler cover, a soft flexible cushion base movably mounted on the top of said pew kneeler or the like and having a rounded front edge slightly inwards of the front edge of said kneeler, a solid rubber flexible sheet atached to the top face of said base and extending down over the front edge of said cushion base, means attaching the back edge of said solid rubber sheet to the back edge of said pew kneeler, a strip of flexible sheet material attached on the bottom of the front edge portion of said cushion base and extending around the front edge of said kneeler and attached on the bottom portion of the front edge of said kneeler.

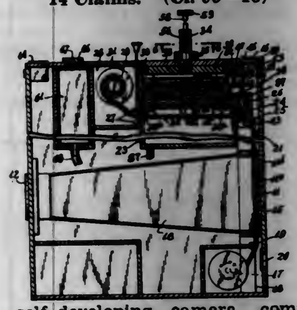
2,256,980
VISIBLE PORTABLE LOOSE-LEAF DEVICE
Bernard Klein and Barney A. Heimbinder, New York, N. Y.
Application June 22, 1939, Serial No. 280,462
1 Claim. (Cl. 129—16)



A visible portable loose leaf device comprising a sheet member having spaced parallel slots forming two side slots and an intermediate slot, and a plurality of cards each comprised of a body portion, and a tab portion delineated from said body portion by a plurality of score lines, said tab portion having an outwardly directed side lug at each end thereof adapted and arranged for engagement, respectively, in said side slots, the distance between the outer edges of said side lugs being greater than the distance between the outer longitudinal edges of said side slots, said tab portion also having a lug intermediate said side lugs, the last-named lug extending towards said body portion and having at least a portion thereof struck out from the body portion of said card,

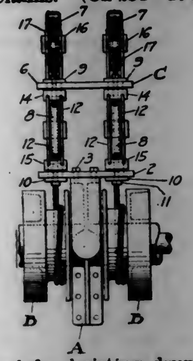
the distance between the longitudinal edges of said intermediate slot being substantially equal to the greatest width of said struck-out portion whereby to allow said intermediate lug to be lifted from said intermediate slot by vertical motion only.

2,256,981
SELF-DEVELOPING CAMERA
Louis M. Klein, New York, N. Y.
Application July 31, 1940, Serial No. 348,644
14 Claims. (Cl. 95—13)



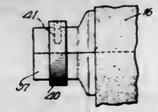
1. A self-developing camera, comprising a camera adapted to use a roll of film having a layer of film and a layer of paper or other sheet material rolled into a roll, a tank within said camera, means for guiding and moving said layers across said tank, a rack for engaging into said tank and having a plurality of opposed grooves between which said layer of paper may pass and into which the edges of said film layer may engage, means for cutting off sections of said film layer after engagement into certain of said opposed grooves, means for moving said rack in steps into said tank to place the various pairs of opposed grooves in position to receive sections of said film layer, containers for liquid developer, bleach, water, fixer, etc., and means for selectively connecting said containers with said tank and for pumping said liquids back and forth from said containers to said tank, and vice-versa.

2,256,982
FAIR-LEAD
Frank P. Lawler, San Francisco, Calif., assignor, by mesne assignments, to G. L. T. Corporation, San Francisco, Calif., a corporation of California
Application February 19, 1938, Serial No. 191,505
2 Claims. (Cl. 254—190)



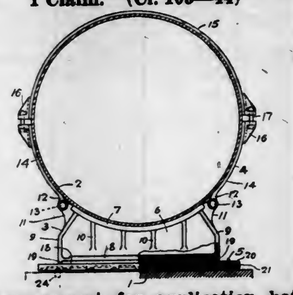
1. A fair lead for hoisting drum cables comprising a base plate and a head plate, a frame spacing said plates apart, said frame comprising a pair of vertically disposed spaced columns and a pair of plates secured to opposite sides of the columns and connecting the same, a pair of sheaves disposed in spaced relationship at one side of the frame and swiveled to swing through an arc of approximately 180°, and a pair of sheaves mounted on axles set in stationary bearing brackets on top of the frame, said axles being disposed on a line parallel to and centrally of the frame plates and intersecting a line extending vertically and centrally between the columns, whereby all loads on the stationary sheaves due to cable pull will impose a substantially direct compressive strain on the frame.

2,256,983
BRUSH CONSTRUCTION
Isaac M. Lecker, New York, N. Y., assignor of two-thirds to William Lindenbaum and one-third to George Postel, both of New York, N. Y.
Application February 23, 1938, Serial No. 191,902
1 Claim. (Cl. 15—179)



A brush of the type described comprising a two-part hollow hub member, a reduced cylindrical extension projecting from one end of the hollow hub member, a core member insertable through said cylindrical extension into the hollow hub member, and a band embracing the reduced extension of the hollow hub member and removable therefrom and means passing through said removable band and having engagement with the core member to retain the several parts in assembled relation.

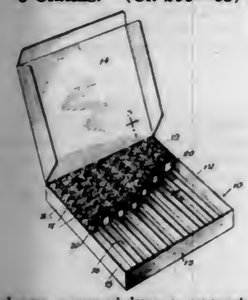
2,256,984
LOCOMOTIVE
William W. Lemen, Glendale, Calif., and Daniel G. Cunningham, Salt Lake City, Utah
Application April 17, 1941, Serial No. 388,932
1 Claim. (Cl. 105—44)



A spacer support for application between a locomotive frame cross member and a boiler-supporting member for supporting said boiler-supporting member and transmitting vertically directed forces passing between said members, said members being adapted for relative sliding movement in a direction transversely of said boiler, said spacer support comprising an assemblage of two superposed plates vertically spaced from each other adapted for engagement each with one of said members, and resilient rubber material engaging said plates and spanning said space for

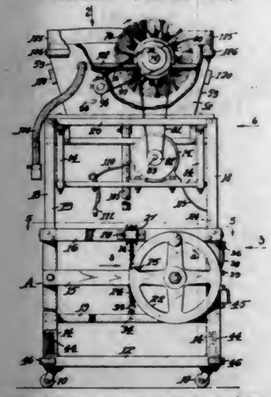
cushioning said forces; and means for securing said assemblage to one of said members for movement therewith and for sliding movement relative to the other of said members.

2,256,985
PACKAGE
William H. Keogler, Jamaica, N. Y., assignor to Albert Ehlers, Inc., Brooklyn, N. Y., a corporation of New York
Application January 11, 1941, Serial No. 374,067
5 Claims. (Cl. 206—65)



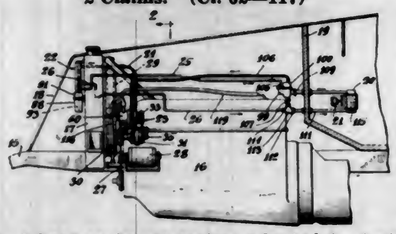
1. A package comprising a receptacle of rectangular form provided with a base having longitudinal partitions, and a plurality of containers arranged in rows between said partitions, each of said containers having attached thereto one end of a suspending string and to the other end of said string a tag, said tags being interposed between said containers.

2,256,986
CEILING WASHER
Harry J. Likshis, Worcester, Mass.
Application June 24, 1940, Serial No. 342,056
1 Claim. (Cl. 15—50)



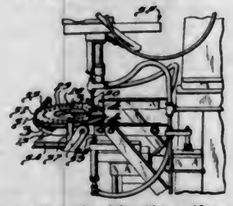
A ceiling washer comprising a two-part vertically-adjustable rectangular supporting frame having spaced horizontal guiding members fixed on its top surface, a washing unit comprising a tank having side bars slidable horizontally in said guiding members and a washing element movably mounted in said tank, and a motor to drive said washing element, said motor being mounted below said tank and within said frame and being supported from said side bars, said washing unit normally overlying said supporting frame in substantial vertical alignment therewith, and said washing unit and motor being together slidable on said guiding members and relative to said supporting frame to advance said washing unit to an overhanging operative position substantially offset horizontally from said supporting frame to coact with the extreme edge portions of the ceiling, and said motor being effective to counterbalance in part the overhanging portion of said washing unit.

2,256,987
HEAT EXCHANGE SYSTEM AND APPARATUS
Carl E. Meyerhoefer, Brooklyn, N. Y., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y., a corporation of New York
Application September 23, 1938, Serial No. 231,347
2 Claims. (Cl. 62—117)



1. A heat exchange system adapted for installation in an automobile powered by a water-cooled internal combustion engine, said system comprising in combination condenser and evaporator units, a refrigerant for circulation therein, pump means coupled to said condenser and evaporator for circulating said refrigerant, said pump means being formed with a water-jacket for coupling in series to the water-jacket of said internal combustion engine whereby the water circulating in the latter will circulate as well in the former and thus cool said pump, clutch means controlled by the speed of said internal combustion engine to actuate said pump when said internal combustion engine is operating below pre-determined levels of speed, said clutch means being formed with heat-dissipating fins positioned axially on the exterior of the driving member thereof to cool the same during operation of the system and said fins being formed with a plurality of radial slots spaced about their peripheries.

2,256,988
APPARATUS FOR MAKING FLUID COUPLINGS
Alexander Michailoff, Grosse Pointe Farms, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application December 9, 1938, Serial No. 244,757
3 Claims. (Cl. 219—17)



3. A fixture for facilitating the manufacture of fluid couplings and the like, comprising an annular member provided with a series of radially extending slots spaced circumferentially

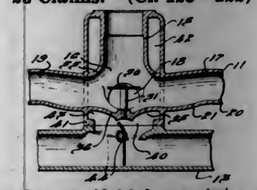
around the axis thereof and adapted to receive sheet metal vanes thereby to hold the same in position for welding to a dished housing, a series of holes disposed adjacent said slots for accommodating insertion of a welding tool, and a plurality of indexing spots arranged around the axis of said member on one side thereof.

2,256,989
CLUTCH
Carlyle Redford, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application August 19, 1937, Serial No. 159,834
11 Claims. (Cl. 192—68)



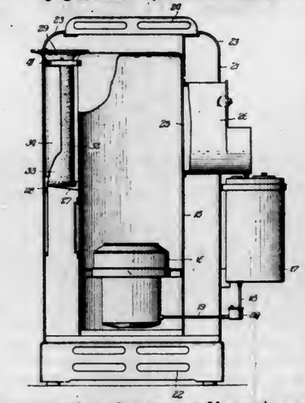
1. A clutch having a driving member, a substantially ring-shaped pressure plate rotatable with said driving member, a driven member between said driving member and said pressure plate, a shaft rotatable with said driven member, yielding means for urging said pressure plate axially of said shaft, and a closure member extending radially between said pressure plate and said shaft, said closure member having an axially extending flange abutting an axially extending face of said pressure plate and a radially extending flange abutting a correspondingly extending face of said pressure plate, said yielding means urging said radial flange into engagement with said pressure plate.

2,256,990
MANIFOLD
Max M. Roensch, Birmingham, Helmuth G. Braendel, Oakland County, and Patrick T. Cousino, Detroit, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application March 27, 1939, Serial No. 264,322
23 Claims. (Cl. 123—122)



1. An intake manifold for an internal combustion engine having a plurality of cylinders comprising a distributing passageway extending lengthwise of the cylinder assembly of the engine and having outlet ports communicating with said cylinders, an inlet passageway extending at right angles to said distributing passageway and in open communication therewith, one of said outlet ports directly communicating with said distributing passageway at the junction of the latter and said inlet passageway and all of the walls of said inlet passageway joining the adjacent walls of said distributing passageway and of said last mentioned inlet port in wide sweeping curves, and means disposed at the juncture of said passageways adapted to restrict the area of communication between said passageways.

2,256,991
HUMIDIFIER CONSTRUCTION
Rolland C. Sabins, Cincinnati, Ohio
Application March 5, 1941, Serial No. 381,826
9 Claims. (Cl. 126—113)



1. A humidifier for use adjacent a source of heat which comprises, a tank for containing water, the tank having an opening above the water surface, a portion only of the exterior surface of the tank being provided with heat absorbing means, the remaining portion of the surface being substantially less heat absorbing, a support for the tank, and means for moving the tank upon the support to move the two portions of the surface of the tank alternately toward or away from the source of heat.

2,256,992
CURTAIN
Jesse Stam, Newton Center, Mass., assignor to Fairclough & Gold, Inc., Boston, Mass., a corporation of Massachusetts
Application March 6, 1941, Serial No. 381,994
5 Claims. (Cl. 156—10)



1. In a curtain, the combination of a body, and

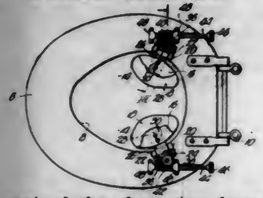
a marginal band applied to at least one margin of said body, said band comprising two strips initially joined together by stitching and ruffled as a unit which is secured to said body by other stitching which retains the ruffles.

2,256,993
HEAT EXCHANGE STRUCTURE
James G. Van Vleet, Kenmore, N. Y., assignor to The Linde Air Products Company, a corporation of Ohio
Application July 18, 1940, Serial No. 346,118
5 Claims. (Cl. 257—236)



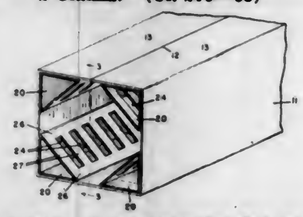
5. An apparatus comprising in combination a plurality of helically finned tubes and a sheet extending transversely of said tubes and being positioned intermediately of adjacent turns of the fins of each of said tubes; said sheet being provided with apertures for said tubes smaller than the transverse section of such finned tubes, each of said apertures including a circular part having a diameter at least as great as the root diameter of the finned tubes and a radially extending slot having a length in a radial direction such that the radius of such circular part plus the length of said slot is at least as great as the external radius of the finned tubes; said apertures being so closely spaced relative to one another that the tips of the fins of adjacent tubes barely clear one another; and said sheet being of a thickness, at least in the areas immediately adjacent said apertures, to be accommodated between said adjacent turns of the fins.

2,256,994
APPARATUS FOR RELIEVING CONSTIPATION
Arthur H. Warshaw, Kansas City, Mo.
Application September 21, 1939, Serial No. 295,933
1 Claim. (Cl. 4—237)



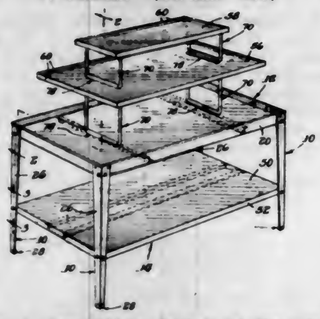
A toilet seat of the character described comprising a horizontal body having an oval hole therethrough; a pivotally mounted contact member disposed on the seat, in the hole thereof to one side of the major axis and near one end thereof to engage the occupant of the seat to one side of the anus thereof; and means for moving the contact member around its pivotal connection, said pivotal connection being spaced rearwardly of the anur of the occupant whereby upon movement of the contact member about the pivotal connection, upward and rearward pressure is exerted to straighten the ano-rectal canal of the seated occupant, said means for moving the contact member comprising a worm gear rotatably mounted on the seat, a gear in mesh with the worm gear, an operating shaft in connection with the worm gear extending to a point within reach of the seated occupant, a drum provided with a cam slot rigid with the gear, and a head on the contact member projecting into said slot whereby upon rotation of the gear and drum said contact member will be moved about the pivotal connection, the said contact member having a resilient covering thereon thicker along the innermost edge thereof than throughout the remaining portion.

2,256,995
BOX
Frederick P. Andres, Cleveland, Ohio, assignor to The Hinde & Dauch Paper Company, Sandusky, Ohio, a corporation of Ohio
Application August 21, 1939, Serial No. 291,209
2 Claims. (Cl. 206—65)



1. A package of substantially flat articles in successive transverse linear arrangement, said package comprising an outer casing and a plurality of racks in corners of said casing, said racks being constituted of resilient fiber members fixed diagonally in said corners and running lengthwise of said casing, with transverse slots formed in said racks, the ends of said slots being spaced inward from said casing, and so related to the edges of the articles packed as to bind the articles packed against the corresponding ends of slots in opposite racks.

2,256,996
KNOCKDOWN FURNITURE
James E. Bales, Aurora, Ill., assignor to Lyon Metal Products, Incorporated, Aurora, Ill., a corporation of Illinois
Application October 22, 1938, Serial No. 236,495
17 Claims. (Cl. 211—126)



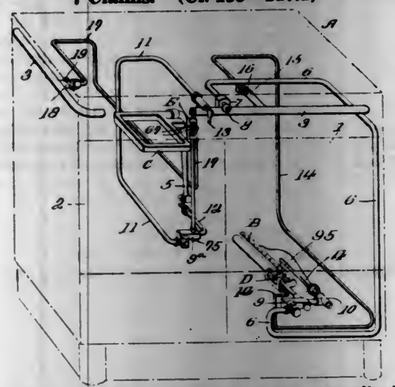
15. In a supporting device of the class described, supporting legs and a platform, said legs and platform having vertically disposed wall portions arranged in parallel, overlapping contact, one of said portions having downwardly facing pockets adapted to receive an edge member of the other portion to limit the upward movement therebetween in one direction, said other portion having a reversely facing pocket receiving an oppositely disposed edge member of said first portion, and said two portions having interlocking means adapted to hold said portions from relative sliding movement.

2,256,997
RESPIRATORY FILTER
Joseph B. Biederman, Cincinnati, Ohio
Original application November 30, 1939, Serial No. 306,863. Divided and this application June 11, 1940, Serial No. 339,926
4 Claims. (Cl. 128—146)



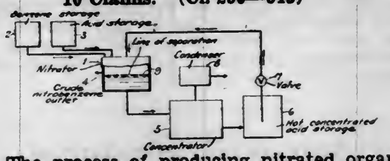
1. A respiratory filter comprising separate unitary end members adapted when assembled to form a substantially elliptical element to fit into the nostril of a user, arms carried by said end members and adapted to secure a pad therein, said arms extending inwardly from said members, and the arms of the respective members being adapted to overlap when said members are assembled; means whereby the arms of the respective end members are adapted to fit telescopically together to secure said members together, and means for securing the telescopic adjustment of said arms.

2,256,998
AUTOMATIC FUEL CONTROL
Isaac V. Brumbaugh, Lester S. Kauffman, and Harold C. Reinhart, St. Louis, Mo., assignors to American Stove Company, St. Louis, Mo., a corporation of New Jersey
Application November 18, 1939, Serial No. 305,198
7 Claims. (Cl. 158—117.1)



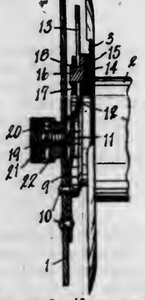
1. In a device of the character described, a main burner and a thermally operated valve for controlling the flow of fuel thereto, a thermally responsive element having operative connection with said valve, said operative connection including a rigid tube having therein in end to end relationship, a push rod and a second thermally responsive element, said push rod and tube having the same coefficient of thermal expansion which is much lower than that of the second thermal element, a constant burning pilot light burner positioned to heat said first thermal element and to ignite said main burner, said main burner and second thermal element being within a chamber heated by said main burner, said second thermal element being responsive to the temperature built up in said chamber by the operation of said main burner but positioned remote to the actual flames burned by either said main or pilot light burners, and a second valve operable to deliver fuel to said thermally operated valve when operation of the main burner is desired.

2,256,999
NITRATION OF ORGANIC COMPOUNDS
James Bert Castner, Wilmington, Del., assignor to to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application March 8, 1939, Serial No. 260,521
10 Claims. (Cl. 260—645)



1. The process of producing nitrated organic compounds stable in the presence of hot sulfuric acid, which process comprises reacting with a sulfuric acid-nitric acid mixture, a nitratable organic compound capable of utilizing and sufficient in amount to utilize, the nitric acid content of the acid substantially completely to form a nitrated compound and utilizing the resultant heat to aid in concentration of the residual sulfuric acid toward its original concentration.

2,257,000
FISHING REEL
Earle D. Clickner, Kalamazoo, Mich., assignor to Shakespeare Company, Kalamazoo, Mich., a corporation of Michigan
Application July 8, 1940, Serial No. 344,313
9 Claims. (Cl. 242—84.5)

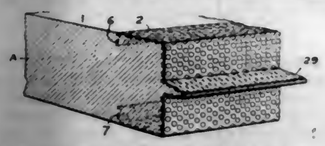


1. In a fishing reel, the combination with a frame and a flanged spool journaled therein and provided with a crank, of a curved spring brake member having stepped offsets therein disposed between the frame and one flange of the spool and secured at one end to said frame, its free inwardly offset end having a segmental slot therein, a disk-like brake shoe provided with a stem slidably and rotatably engaged in said slot, and an adjusting screw on the frame in sustaining engagement with said brake member.

2,257,001
BUILDING UNIT AND CONSTRUCTION
Clarke F. Davis, Short Hills, N. J., assignor to American Cyanamid & Chemical Corporation, New York, N. Y., a corporation of Delaware
Application December 31, 1937, Serial No. 182,728
5 Claims. (Cl. 72—68)

1. A building construction including two pre-

cast slabs erected with two of their edges adjacent, each slab having a set cementitious body with a sheet metallic element encasing an edge adjacent that of its neighbor, each element con-



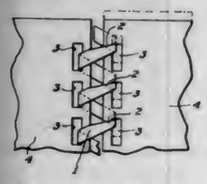
taining a plurality of perforations extending over substantially the entire area thereof, with the said body material extending through the perforations, and means to tie the two adjacent edges of the slabs together.

2,257,002
NOVELTY PIN CONSTRUCTION
Max Freeman and David Suss, New York, N. Y.
Application June 10, 1941, Serial No. 397,376
8 Claims. (Cl. 63—20)



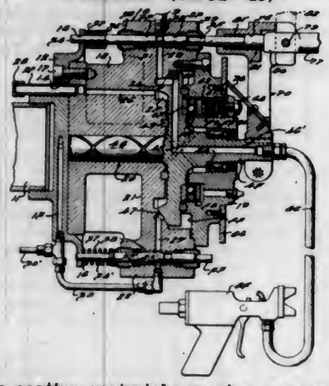
1. A novelty pin construction, comprising a pin shank having a pointed end, a handle mounted on the rear end of said pin shank, a wire shield mounted transversely on said pin shank adjacent the front of said handle, a chain mounted on said wire shield, and a sheath attached on said chain and adapted to engage over said pin shank.

2,257,003
SPIRAL BINDER
Emil N. Farkas, Chicago, Ill., assignor, by direct and mesne assignments, to Emil N. Farkas, Chicago, Ill., as trustee
Application February 29, 1940, Serial No. 321,366
4 Claims. (Cl. 281—25)



1. A binder for sheets having marginal perforations, consisting of a length of plastic material preformed into a substantially compound pitch helical coil which may be screwed into said perforations, the two halves of each loop forming, at least along one edge of the length of material, a different angle with the longitudinal axis of the coil.

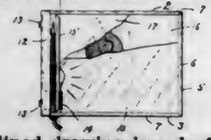
2,257,004
COATING MATERIAL SPRAYING APPARATUS
Alexander M. Fleming, Grosse Pointe, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application October 7, 1938, Serial No. 233,704
7 Claims. (Cl. 91—45)



6. In coating material spraying apparatus including a spray gun; mechanism for selectively supplying a plurality of different coating materials and a cleaning material to said gun including a member having a plurality of passages for conveying differently colored coating materials and a cleaning fluid under pressure, a second member movable relative to said first member having a passage therein connected with said spray gun and selectively communicatively registerable with said passages of said first member, a valve in each of said first mentioned passages for closing the latter in advance of said second member, means for producing relative movement between said members to initially selectively bring the passage of said second member into communication with one of the passages of said first member, and mechanism operable by said means for opening the valve of the passage of said first member which is in communicative relation to the passage of said second member

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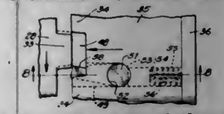
2,257,005
DRAWING BOARD
Adolph F. Grosse, Duluth, Minn.
Application April 1, 1940, Serial No. 327,266
4 Claims. (Cl. 45—131)



1. An inclined drawing board of the type described comprising in combination a sheet metal body portion having integral sides and a lowermost end wall and a higher end wall, said end walls having inwardly turned end flanges to which said side walls are attached, said sides and lowermost end having inwardly flanged uppermost edges to form a narrow border thereabouts, an inwardly turned flange member integral with the upper edge of said higher end wall, narrow angles aligned with said last mentioned flange and spaced from said first mentioned flanges to form a rabbet therebetween about the upper edges of three of the walls of said body, a glass closure slidable within said rabbets and

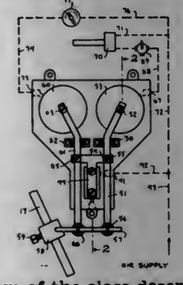
over the flange of said higher end wall, a light fixed within the upper end of said body, and a unitary glass retainer, paper clamp and pencil holder removably attached to said higher end wall, and extending entirely across the same, whereby to hold a sheet of paper in flat position against said glass closure.

2,257,006
CLUTCH ENGAGING MECHANISM
Edward H. Hall, Chicago, Ill.
Application June 30, 1939, Serial No. 282,161
3 Claims. (Cl. 192—67)



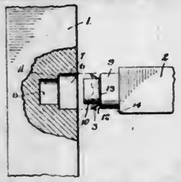
1. In clutch mechanism of the character described, the combination of driving and driven clutch elements having coincidental axial alignment and adapted to be moved axially relatively with respect to one another, said clutch elements having on their opposed faces clutch members adapted to interengage with one another, one of said clutch members being provided with a slot having yieldably mounted therein a pivoted dog adapted normally to be projected forwardly into position to obstruct the entrance of the complementary clutch member save when the parts are in close register and having its outer end substantially flush with the outer face of said clutch member, and adapted when the parts are in close register and have been moved into clutching relationship to yield backwardly into said slot under driving pressure directed against said member until full clutching contact has been established, the clutch elements being so related as to impart such driving pressure.

2,257,007
CONTROL APPARATUS
John L. Harris, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application March 13, 1939, Serial No. 261,675
12 Claims. (Cl. 236—49)



9. In a system of the class described, reversible motor means for moving a device to be controlled from one position to another, a first control member for controlling said reversible motor means, a second control member for controlling said reversible motor means, each of said control members being capable of causing movement of the motor means in one direction independently of the other, first adjusting means for adjusting said first control member, first follow up means actuated in response to movement of said motor means for cooperating primarily with said first adjusting means in positioning said first control member, second adjusting means for adjusting said second control member, and second follow up means actuated in response to movement of said motor means for cooperating primarily with said second adjusting means in positioning said second control member.

2,257,008
LOCKING DEVICE
William A. Henn, Evansville, Ind., assignor of one-half to John P. Frisse, Evansville, Ind.
Application October 12, 1938, Serial No. 234,593
1 Claim. (Cl. 20—92)



The combination with a pair of wooden pieces adapted to be connected together, one of said pieces being formed with a bore having a large tubular section and a small tubular section with a beveled shoulder therebetween, and the other of said pieces being formed with a round end structure having a large section and a small section with a beveled surface therebetween, said sections and beveled surface being of a size to snugly fit into said bore so that said beveled surface will fit flatwise against said beveled shoulder; of a truncated cone-shaped locking device formed with a continuous uninterrupted annular central zone and spurs extending from each edge of the central zone, one set of said spurs projecting into the first-mentioned piece adjacent the beveled shoulder therein and the other set of spurs projecting into the small section of the second-mentioned piece with said central zone of the locking device fitting between said beveled shoulder and said beveled surface.

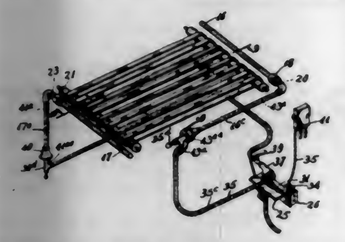
2,257,009
ORGANIC VANADIUM ESTERS
William H. Hill, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application November 18, 1939, Serial No. 305,174
8 Claims. (Cl. 260—429)

1. The reaction products of vanadium pentoxide and ethers of ethylene glycol.

2,257,010
AUTOMATIC GAS HEATER FOR PRINTING PRESSES
William R. Hildebrand, New York, N. Y.
Application April 24, 1939, Serial No. 269,821
1 Claim. (Cl. 101—416)

In a printing press having a delivery conveyor, a horizontally disposed, elongated tubular main burner having a plurality of flame apertures in the top thereof, means supporting the burner beneath said conveyor, a main supply conduit for gas connected with said main burner, a shut-off valve in said main supply conduit adapted to be moved frequently between open and shut conditions, an air mixing valve in said conduit between said shut-off valve and said main burner, said air mixing valve including a plurality of apertures exposed to the atmosphere,

an adjustable control valve in said main supply conduit between said shut-off valve and said air-mixing valve, a pilot burner in said main burner, and conduit means connecting said pilot burner to said main supply conduit, said conduit means comprising a relatively small pipe having one



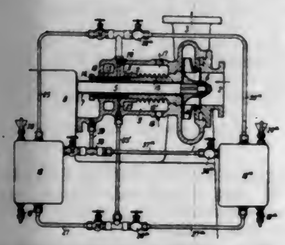
end tapped into said main conduit in front of said shut-off valve, said pipe externally by-passing said shut-off valve and said control valve and entering said main conduit through one of said apertures in said air mixing valve, and thence passing through said main conduit to said pilot burner in said main burner.

2,257,011

LUBRICATING AND COOLING SYSTEM FOR THE STUFFING BOXES FOR PUMPS AND LIKE ENGINES

Harold Hillier, Cathcart, Glasgow, Scotland, assignor to G. & J. Weir, Limited, Cathcart, Glasgow, Scotland, a corporation of Great Britain

Application October 23, 1940, Serial No. 362,474
In Great Britain November 1, 1939
6 Claims. (Cl. 286—19)



1. A lubricating system for the stuffing box of a water pump or like engine comprising, in combination with a shaft thereof which is surrounded by the stuffing box, a receptacle for water and oil, positioned at least in part below the level of the stuffing box, means for conducting oil from the top of the receptacle to the stuffing box, means for conducting water from the stuffing box to the receptacle to displace by gravity oil in the receptacle and to cause the oil to flow from the receptacle to the stuffing box.

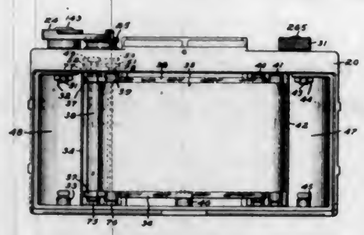
2,257,012

SHUTTER ACTUATING MECHANISM, PARTICULARLY FOR REFLEX CAMERAS

Edson S. Hineline, Rochester, N. Y., assignor to The Folmer Graflex Corporation, Rochester, N. Y., a corporation of Delaware

Original application August 5, 1939, Serial No. 288,505. Divided and this application January 28, 1941, Serial No. 376,306
18 Claims. (Cl. 95—57)

1. A photographic camera having in combination, a casing provided with an objective lens, shutter mechanism including two sliding curtains 35, 35A, take-up rollers therefor respectively provided with winding gears 50 and 52, said gear 52 having rewind pin 59, release pin 60 and slow



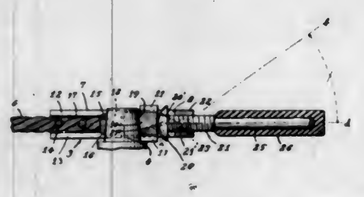
shutter control pin 61, both carried by said gear 52, holding means for curtain 35A engageable with said release pin 60, stop pin 67 on a fixed support, adapted to be engaged by said pin 61, and retarding mechanism adapted to be engaged by said control pin 61.

2,257,013

BATTERY TERMINAL

Agnar Johnson, Rockford, Ill., assignor of one-third to Harold B. Faith and one-third to Arthur L. Nelson, both of Rockford, Ill.

Application April 19, 1941, Serial No. 389,356
9 Claims. (Cl. 173—259)



1. A battery terminal comprising a bifurcated body member, providing a crotch-portion between the arms thereof for engagement with one side of a battery post, a block guided for sliding movement between said arms for clamping engagement with the opposite side of said post, another block pivotally mounted between said arms, and a spherically conformed cam threadedly mounted in the pivoted block in transverse relation to the pivotal axis thereof for adjustment toward and away from the slidable block, with the spherical surface thereof in eccentric relation to the pivotal axis of said pivoted block and arranged to have infinitely adjustable slidable wedging engagement with the adjacent surface of the slidable block.

2,257,014

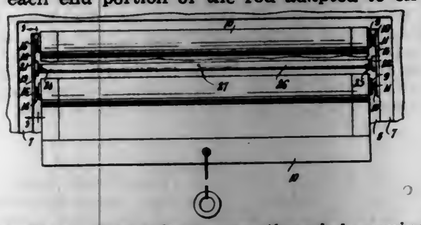
MEANS FOR SUPPORTING WINDOW SHADES

Samuel Jacobson, New York, N. Y.

Application November 13, 1940, Serial No. 365,403
3 Claims. (Cl. 248—266)

3. In supporting means removably mounted in a frame opening, a pair of plates, each plate having one face adapted to abut an opposed jamb of a frame opening and the opposite face

arranged with a boss having a screw threaded opening therein, the screw threads in the boss of one plate extending in one direction and the screw threads in the boss of the other plate extending in the opposite direction, and a rod having screw threads on opposite end portions extending in opposite directions, the screw threads on each end portion of the rod adapted to en-



gage the corresponding screw threaded opening in the boss of a plate, whereby rotation of the rod in one direction actuates the plates toward each other and out of engagement with the opposed jambs of the frame opening and rotation of the rod in the opposite direction actuates the plates away from each other and into abutment with the jambs of the frame opening to support the rod between said opposed jambs.

2,257,015

INLAID ARTICLE AND METHOD

James J. Larmour, East Orange, N. J., assignor to Plastic Inlays, Inc., Summit, N. J., a corporation of New Jersey

Application July 30, 1938, Serial No. 222,188
12 Claims. (Cl. 41—35)



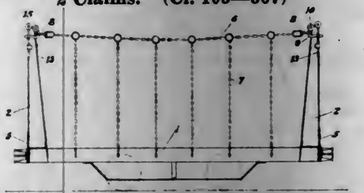
3. As an article of manufacture, a member of translucent material having a recess on the underside thereof, a relatively thin piece of metal in said recess having a surface of precious or semi-precious metal facing the bottom of the recess, and a relatively thick piece of metal with the edges thereof embedded in the sides of said recess to hold said thin metal in position.

2,257,016

CANE CAR

Alfred C. Schmohl, Beaver Falls, Pa., assignor to Pressed Steel Car Company, Inc., Pittsburgh, Pa., a corporation of Pennsylvania

Application September 21, 1938, Serial No. 230,904
2 Claims. (Cl. 105—367)



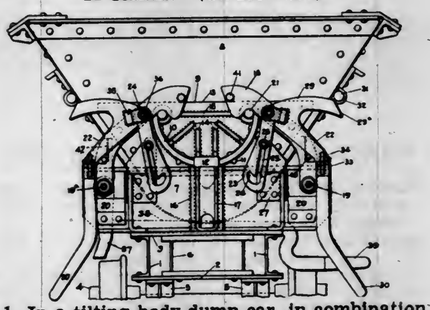
1. A collapsible lading body side wall of the character described comprising, a flexible longitudinal side wall member having apertured end portions for connection with side wall supporting members, a latch pivoted to each said supporting member for engagement with the adjacent apertured end portion of said longitudinal member, a latch lock pivoted to each said supporting member for movement into engagement with the adjacent latch to retain same in engagement with said longitudinal members and means on each said supporting member for selective engagement with said latch lock for preventing movement of said latch lock out of engagement with said latch.

2,257,017

CAR CONSTRUCTION

Alfred C. Schmohl, Beaver Falls, Pa., assignor to Pressed Steel Car Company, Inc., Pittsburgh, Pa., a corporation of Pennsylvania

Application July 30, 1940, Serial No. 348,382
11 Claims. (Cl. 105—264)



1. In a tilting body dump car, in combination, an underframe, a lading body, bearings at each end of the body each having an arcuate surface extending outwardly from the end of the body for engagement with the underframe to support the body for tilting movement thereon and so disposed beneath the horizontal plane of the center of gravity of the empty body in normal position as to maintain same substantially within said horizontal plane throughout the major portion of the tilting movement of the body in opposite directions from normal upright position, latch means mounted on the underframe adjacent opposite sides thereof for selective engagement with suitable portions on the body to lock the body in normal upright position and releasable therefrom to permit tilting of the body to a preselected side of the underframe, means mounted on each latch means for retaining the respective latch in released position and rendered inoperable by manual movement of the latch out of released position, and including a portion pivotally movable in respect to the latch when in released position for tilting the car body from normal to dump position, and additional means mounted on the car underframe for engagement with the tilted body and rendered operative through said engagement therewith for imparting a righting impulse to the tilted car body.

2,257,018

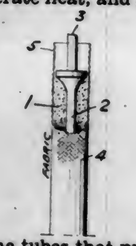
MANUFACTURE OF STORAGE BATTERY ELECTRODES

Curtice C. White, Johnsville, Pa., assignor to The Electric Storage Battery Company, Philadelphia, Pa., a corporation of New Jersey

Application July 24, 1940, Serial No. 347,215
2 Claims. (Cl. 136—67)

1. In the manufacture of storage battery electrodes comprising pencils of active material or material to become active mounted on spines of which the ends project beyond the pencils which latter are covered with tubular fabric retainers of which the ends also project beyond the pencil, the improvement in fastening and sealing the

projecting ends of the tubes to the projecting ends of the spine which consists in fabricating the tubes from filaments thermoplastic upon the application of moderate heat, and moderately heat-



ing the ends of the tubes that project beyond the pencils and contracting the end portions of the tubes while plastic into contact with the end portion of the spines.

2,257,019

SELECTOR KEY MECHANISM FOR AUTOMATIC PHONOGRAPHS

Carroll A. Brinkert, Buffalo, N. Y., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y., a corporation of Ohio

Application January 16, 1940, Serial No. 314,126

12 Claims. (Cl. 74—479)



1. In a phonograph for playing a plurality of records selectively, a plurality of selector elements corresponding in number to the records and mounted for movement to and from a selective position, means for normally urging said selector elements to a non-selective position, means releasably engageable with said elements for latching them in a selective position, and relatively-movable cancelling means disposed in cooperative adjoining relation with the companion selector elements and latching means and movable therewith to a selective position when the companion selector element is moved to such position, each of said cancelling means being manually movable to a cancelling position and having a portion operatively engageable with the latching means to release the same from engagement with the companion selector element.

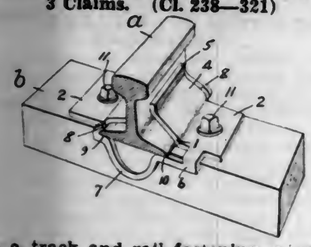
2,257,020

TRACK AND RAIL FASTENING

John W. Mathias, Upper Darby, Pa., assignor of one-half to John L. Martin, Philadelphia, Pa.

Application June 14, 1940, Serial No. 340,439

3 Claims. (Cl. 238—321)



1. As a track and rail fastening, a one-piece combined clip and anchor consisting of: a generally rectangular metal plate having intermediate of its ends an offset and having on one side of the offset a flat perforated portion for the reception of a tie spike or screw and having on the other side of the offset an inclined portion terminating in a curved outwardly extending lip adapted to engage a rail flange and foot, and the plate at one margin and near the offset provided with a foot ranging crosswise of the plate and having an immovable loop extending beyond the lip and terminating in the inclined bill of a hook and including two confronting aligned knees spaced from the plane of the top of the plate.

2,257,021

ESTERS OF DI HALO PROPIONIC ACID

Maxwell A. Pollack, Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania

No Drawing. Application November 22, 1940, Serial No. 366,726

9 Claims. (Cl. 260—487)

1. An ester of α,β-dichloropropionic acid and a polyhydroxy organic compound.

2,257,022

ROTARY INDICATING DEVICE

Jackson H. Pressley, Marion, Ind., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware

Application July 25, 1939, Serial No. 286,486

8 Claims. (Cl. 116—129)



1. An indicia tab holder, comprising a molded one-piece transparent body having closely spaced concentric walls about the peripheral portion of the body, spaced partitioning portions between said walls dividing the said wall structure into a plurality of sections with the walls of each section defining an open slot for removably receiving an indicia tab, and radial reinforcing ribs extending to said partitioning portions and dividing the body into sectors each accommodating an indicia tab, as aforesaid.

2,257,023

FISHING REEL

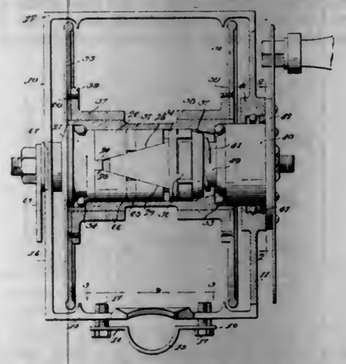
Hjalmer A. Ray, Fairhaven, Mass.

Application December 7, 1938, Serial No. 244,478

1 Claim. (Cl. 242—84.5)

A fishing reel comprising, a frame having spaced sides, a spindle extending through the sides, a ball race collar on one end of the spindle fixed to one of said sides, a ball race collar on the other end of the spindle, a driving hub on the spindle supported upon the last named ball race collar and rotatably mounted in the other of said sides, a crank handle on the driving hub for rotating the hub, a reel spool rotatably supported at the ends of the driving hub and on one of said ball race collars, a clutch collar on the driving hub, a coarse thread connection between the collar and the driving hub effecting movement of the clutch collar longitudinally of the spindle when

the driving hub is rotated in one direction to frictionally engage the clutch collar with the spool and clutch the spool for rotation as a unit with the driving hub to reel in a fishing line, retrograde movement of the driving hub by said crank handle moving the clutch collar to declutched position to free the spool for casting the fishing line, a resilient split ring brake sleeve on the spindle having the split thereof wedge



shaped, a wedge member on the spindle movable by the clutch collar when the clutch collar is moved endwise by retrograde movement of the crank and driving hub to enter said split to expand the brake sleeve against the inner periphery of the spool to exert a drag on the fishing line when the driving hub is turned in said retrograde direction after de-clutching the clutch collar from the spool, and means carried by said sides for securing the frame to a fishing rod.

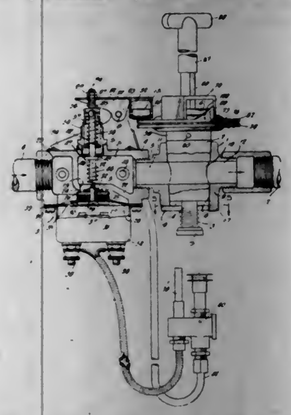
2,257,024

VALVE RESET MECHANISM

William A. Ray, Glendale, Calif.

Application March 20, 1940, Serial No. 324,987

7 Claims. (Cl. 158—117.1)



1. In a fuel supply system having a main fuel rotary plug valve for passing fuel to a burner, as well as a separate automatic shut-off valve, said shut-off valve having a mechanical reset for temporarily opening the shut-off valve, and the plug being rotatable through an angle for opening and closing the main fuel valve, means for rotating the plug of the main valve, between open and closed positions of the plug, and mechanism operated by said means at the end of the closing movement of the plug for operating the reset, including means having limited freedom of motion with respect to the plug, for releasing the reset while the plug is maintained stationary.

2,257,025

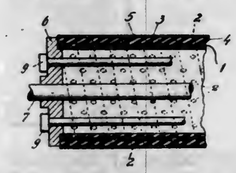
RUBBER-FACED ROLLER

Fritz Schuster, Chemnitz, Germany

Application July 31, 1937, Serial No. 156,797

In Germany July 15, 1936

5 Claims. (Cl. 68—277)



1. A roller for the treatment of textile materials comprising in combination, a metal cylinder having apertures therein distributed over the periphery thereof, a coating of rubber covering the outer and inner peripheries of the cylinder, said coating extending through said apertures and engaging the edges of the metal providing said apertures, a layer of sponge rubber arranged over the surface of said rubber coating and secured thereto, and said sponge rubber extending into said apertures and united with the rubber coating therein.

2,257,026

SHOE SOLE

Sandor Szauer, Budapest, Hungary

Application January 24, 1938, Serial No. 186,722

In Hungary January 30, 1937

1 Claim. (Cl. 36—25)



A sole consisting of a flexible fibrous material waterproofed and stiffened by impregnation with a synthetic resin, a welt bordering the sole and a rim on the sole covering the edge of the welt, and a stiffening core within said welt.

2,257,027

MODIFIED T-RAIL

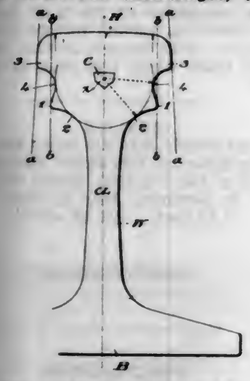
McLeod Thomson, Atlantic City, N. J., assignor to The Thomson Rail Corporation, a corporation of New York

Application May 3, 1941, Serial No. 391,778

2 Claims. (Cl. 238—122)

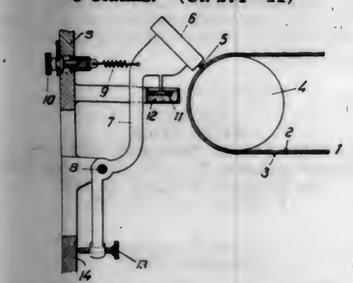
1. A railway rail having the lower outer corners of its head disposed a distance inwardly of the planes of the upper outer sides thereof to provide the outer terminii of curved head-web anchorages for joint bars, said terminii lying closer to planes of said upper outer sides than to the vertical plane passing through the center of the rail head, the said rail head being further provided in its side portions with recesses extending from approximately the gauge line of the rail head to said lower outer corners of the head and also extending a distance inwardly to approximately the same distance from a radius center at the vertical center of the rail head within the center zone

of cooling as the distance from said radius center to the said head-web anchorages, thereby to



cause uniform cooling of the under rail head structure and to minimize lip formation.

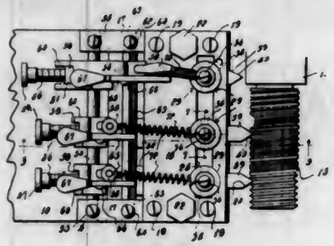
2,257,028
SOUND RECORDER FOR SOUND TAPES
Hugo Westerkamp, Cologne-Braunsfeld, Germany
Application July 8, 1939, Serial No. 283,488
In Germany August 13, 1938
3 Claims. (Cl. 274—11)



1. Apparatus for cutting mechanical sound records in sound tape, comprising a sound recording device including a recorder having a stylus positioned for cutting the tape, a rotating member for guiding the tape past the stylus and imposing during its rotation periodic disturbances of a predetermined normal frequency upon the tape and stylus, a lever supporting said recorder and permitting gravitational movement thereof toward the tape, said recorder and supporting lever having a predetermined effective mass, and spring means connected to said lever and having a predetermined rate of elastic yield for resiliently suspending the lever at a normal cutting depth, said recorder and its lever and said spring means being constructed and arranged to constitute a mechanical oscillatory system composed of mass and elasticity and having a characteristic frequency of oscillation which is not less than the normal frequency of periodic disturbances exerted upon the stylus from the rotating member.

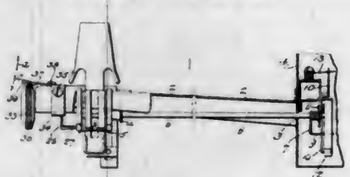
2,257,029
THREAD CUTTING TOOL
Charles Zimmermann, Cincinnati, Ohio
Application July 3, 1941, Serial No. 401,032
9 Claims. (Cl. 10—101)

1. A thread cutting tool comprising a base adapted to be detachably clamped to a portion of a lathe, said base being provided with upright end walls, a plate detachably fastened to said end walls and disposed above and spaced from the forward portion of said base, said plate being provided with a longitudinal slot, a plurality of guides slidably mounted in said slot, a plurality of cutting bits slidably engaging said guides and disposed to move transversely of the base, feed screws swivelly connected to the rear ends of said bits and projecting rearwardly from the thread cutting tool, a collar threadedly engaging each



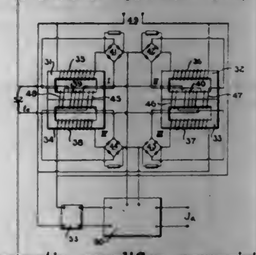
of said feed screws, each of said collars being provided with diametrically opposed outwardly projecting studs, a plurality of levers slidably and pivotally mounted on the thread cutting tool, said levers having yoke shaped lower ends for engaging over said collars, said yoke shaped ends being slotted to engage said studs, spring means for urging the upper ends of said levers forwardly of the tool for retracting the feed screws and cutting bits, and latch means carried by said levers for holding the cutting bits and feed screws in projected positions.

2,257,030
STOP MOTION FOR KNITTING MACHINES
Michael Antonevich, Franklin Township, Somerset County, N. J., assignor to Crawford Manufacturing Company, New Brunswick, N. J., a corporation of New Jersey
Application April 3, 1939, Serial No. 265,823
6 Claims. (Cl. 66—163)



6. The combination of a casing, an arm projecting outwardly from said casing, a shaft journaled in said arm with one end in the casing, a thread-engaging finger secured to the shaft externally of the casing, a double arm lever secured to the shaft within the casing, resilient means applying torque to the shaft in one direction in opposition to a counteracting torque applied to the shaft by tension on the thread engaged by said finger, a stationary switch element in said casing, a movable switch element pivotally mounted in the casing adjacent said shaft and said double arm lever thereon and movable into contact with said stationary switch element by engagement with either of said lever arms by unbalancing of said torques and consequential rocking of the shaft.

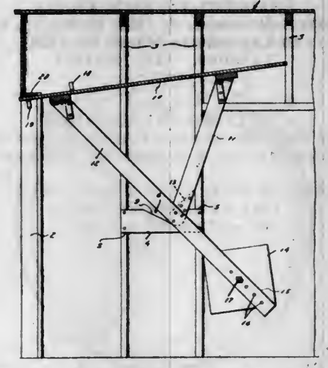
2,257,031
POWER AMPLIFIER
Gustav Barth, Berlin, Germany, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany, a corporation of Germany
Application August 19, 1939, Serial No. 290,968
In Germany August 19, 1938
6 Claims. (Cl. 171—242)



1. A magnetic amplifier comprising a first magnetizable core carrying a first winding, a second magnetizable core carrying a first winding, an alternating current source for energizing said windings, rectifying means for each of said windings and connecting said windings in series, a second winding for the first core, a second winding for the second core, rectifying means for each of said second windings and connecting said second windings in series opposed relation to said first windings for energization by said alternating current source, a direct current input circuit including a third winding on the first core and a third winding on the second core, the third winding of one core being connected in aiding relation with the third winding of the other core, a first pair of auxiliary windings on said first core and connected to the output of the rectifying means of the first and second windings of the first core, whereby direct current flows in said pair of auxiliary windings in accordance with the alternating current in said first and second windings of the first core, a second pair of auxiliary windings on said second core and connected to the output of the rectifying means of the first and second windings of the second core whereby direct current flows in said second pair of auxiliary windings in accordance with the alternating current in said first and second windings of the second core, the first pair of auxiliary windings of the first core being wound in opposed relation to the second pair of windings of the second core, and means electrically connected to the output of the first and second windings of the two cores and to said alternating current source.

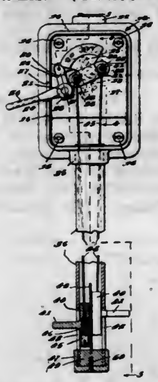
2,257,032
SUPPORTING MEANS FOR OVERHEAD GARAGE DOORS
Herman E. Bass, Enid, Okla.
Application October 9, 1940, Serial No. 360,487
1 Claim. (Cl. 16—128)

Supporting means for an overhead garage door comprising a bearing member mounted horizontally on one side wall of a garage in spaced relation to the door opening of said garage, said bearing member having a wide substantially V-shaped recess in its upper portion, said recess having a curved crotch portion merging with a short obliquely inclined rear wall and a comparatively long gradually inclined front wall, a pair of comparatively long and short inwardly converging arms having front ends rigidly secured to said door, means securing the rear end of the short arm to an intermediate portion of the long arm including a trunnion, said trunnion being secured to the outer sides of the arms and journaled in said recess for mounting the door for swinging movement in a vertical plane on the bearing member, said trunnion being of substantially ovate-lanceolate form, and engageable



with the rear wall of the recess when the door is in open position and with the front wall of said recess when the door is in closed position to thereby establish the opened and closed positions of said door, and a counterweight mounted on the rear end of the comparatively long arm to balance said door.

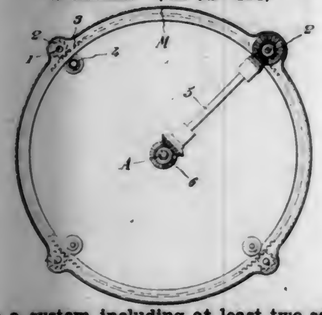
2,257,033
SWITCH OPERATING MECHANISM
Carl H. Bissell, Syracuse, N. Y., assignor to Crouse-Hinds Company, Syracuse, N. Y., a corporation of New York
Application January 25, 1940, Serial No. 315,568
5 Claims. (Cl. 200—153)



1. The combination of a switch housing having an opening in one side thereof, a switch mounted in the housing, of mechanism for operating said switch, said mechanism comprising a closure member for the opening of the housing, a switch actuating element carried by said closure member, a tubular guide member secured to said closure member and extending therefrom, a pair of pedal members movably mounted in the outer end of said guide member, and motion transmitting means housed within said guide member and operatively connecting said pedal members with said switch actuating element,

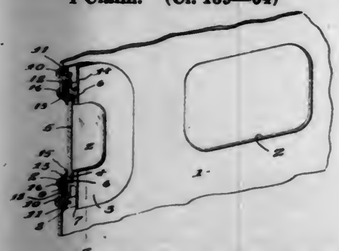
said element being operable upon movement of said pedals to shift said switch into on and off positions.

2,257,034
DEVICE FOR CONJUGATING THE ROTATIONS OF ROTATING MEMBERS
Ettore Bugatti, Paris, France
Application November 2, 1939, Serial No. 302,619
In Luxemburg March 15, 1938
2 Claims. (Cl. 74—414)



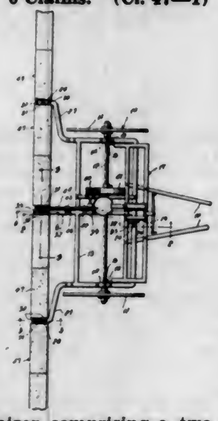
1. In a system including at least two separate parallel spindles supported independently of one another, a device for conjugating the rotation movements of said spindles, which comprises, in combination, a toothed wheel coaxially keyed on each of said spindles, said toothed wheels being all located in a common plane perpendicular to said spindles, a toothed annular member flexibly deformable in its own plane mounted in mesh with all of said toothed wheels, guiding means for keeping said annular member in correct meshing relation with all of said toothed wheels, and means for driving said toothed annular member, the point of contact of at least one of said guide means and said toothed annular member, the point of mesh between said toothed annular member and one of said toothed wheels, and the axis of rotation of the last-mentioned toothed wheel all being in substantial alignment.

2,257,035
WINDOW SASH CONSTRUCTION
Edward F. Chaffee, Syracuse, N. Y., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y., a corporation of New York
Application August 11, 1938, Serial No. 224,335
1 Claim. (Cl. 189—64)



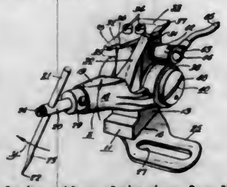
The combination with a car body including an outer sheeting formed with a window opening; of a sash arranged with its outer side confronting and secured to the inner face of the margin of the wall around the opening, a portion of the wall of the sash opposed to said margin being spaced from the margin to form with said margin a glazing strip channel, the sash being provided with means providing a recess angular in cross section for receiving the margin of a glass pane, the recess being open at its side toward the plane of said wall and having its bottom located in a plane approximately flush with the edge of said wall, whereby the glass pane may be placed in the recess and removed therefrom through the window opening, and a removable strip having a base portion fitted in said channel.

2,257,036
POLLENIZER
Ray H. Clark, Star City, Ind.
Application June 20, 1940, Serial No. 341,566
6 Claims. (Cl. 47—1)



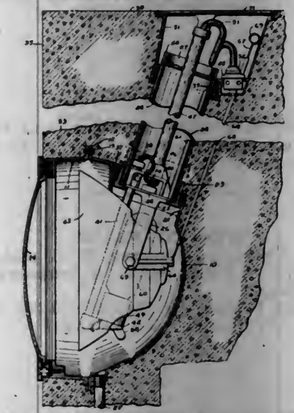
1. A pollenizer comprising a two wheeled vehicle including a main frame supported by and pivotally mounted relatively to the wheels of the vehicle, means for rocking said frame for raising and lowering the rear end thereof, arms secured to and projecting rearwardly from said frame and provided with bearings at their free ends, a shaft journaled in said bearings, circular brushes carried by said shaft, and means for driving said shaft from the ground wheels of the vehicle for revolving the brushes.

2,257,037
STOP MOTION DEVICE FOR KNITTING MACHINES
Alfred Crawford, New Brunswick, N. J., assignor to Crawford Manufacturing Company, New Brunswick, N. J., a corporation of New Jersey
Application April 3, 1939, Serial No. 265,822
12 Claims. (Cl. 66—157)



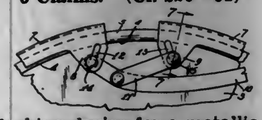
1. In an obstruction detector for knitting machines, the combination of a detector finger having one end adapted to be normally positioned adjacent the needles of a knitting machine for movement laterally with respect thereto in a path adjacent said needles during normal operation of the machine, means supporting said finger for pivotal movement in a vertical plane substantially coincident with said path, and means supporting said finger for pivotal movement in a vertical plane transverse to said path.

2,257,038
FLOODLIGHT UNIT
Royal E. Crossley, Fayetteville, N. Y., assignor to Crouse-Hinds Company, Syracuse, N. Y., a corporation of New York
Application January 17, 1940, Serial No. 314,277
7 Claims. (Cl. 240—26)



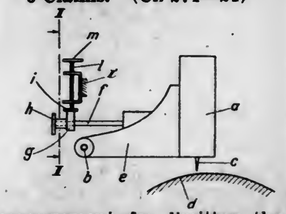
6. A floodlight unit of the type described comprising a casing formed with an aperture in one side thereof, a sleeve mounted on the casing in register with said aperture, a tubular member arranged in said sleeve and extending outwardly from the casing, said sleeve being adjustable to vary the angular relation between said tubular member and the axis of the casing, a receptacle assembly insertable through said tubular member and including a receptacle supporting plate adapted to be slidably moved through said tubular member, a receptacle mounted on the under side of said plate, a stem secured at one end to the upper side of said plate and extending axially through said tubular member and being provided with a plate cooperable with the outer end of said tubular member, said sleeve being provided with an inwardly extending flange adapted to support said receptacle supporting plate.

2,257,039
BARREL LOCKING RING
Colin B. Dale, Oak Park, Ill., assignor to Cornell Securities Corporation, Cleveland, Ohio, a corporation of Delaware
Application February 2, 1940, Serial No. 316,996
5 Claims. (Cl. 220—61)



1. In a locking device for a metallic receptacle having a bead formed about its open end and a cover having a flange fitting over the head, a contractible channeled clamping ring having portions engaging the bead and cover flange to press the same together when the ring is contracted, and means for contracting the ring including a lever fulcrumed on one end portion of the ring and a link connecting said lever with the other end portion of the ring, the fulcrum of the lever and the connection of the link with the ring comprising pivots slidable in slots formed respectively in said end portions of the ring, said slots extending obliquely with relation to the circumference of the ring and converging toward it, said pivots having portions extending into a plane which intersects the flange of the cover and dimensioned to bear against said flange when the ring is contracted with said pivots at the outer end portions of the slots.

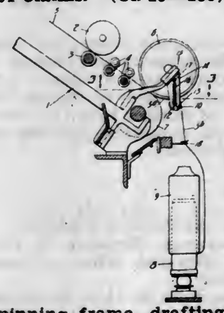
2,257,040
SOUND APPARATUS
Karl Daniel, Cologne, Germany, assignor to Tefi-Apparatebau Dr. Daniel K.-G., Cologne, Germany
Application May 3, 1938, Serial No. 205,717
In Germany May 14, 1937
6 Claims. (Cl. 274—24)



4. An arrangement for limiting the cutting depth of the cutting stylus in sound apparatus including a sound record carrier, comprising the sub-combination of a support, a sound box having a cutting stylus, means pivotally mounted on the support and holding the sound box for movement toward and from the sound record, and means for limiting the movement of the sound box toward the sound record including coarse adjusting means for quickly determining an approximate allowable limit of such movement and including separable parts of which one is mounted on the said pivotally-mounted means and a second part is movably affixed to the support, and fine adjusting means on the support and engageable with one of said parts for moving the same to accurately determine the exact point of limitation upon such movement,

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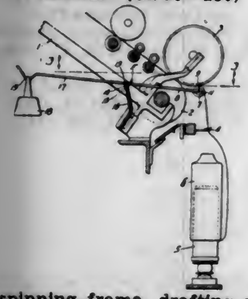
2,257,041
SPINNING FRAME
Walter S. Eastman, Glendale, R. I., assignor to Stillwater Worsted Mills, a corporation of Rhode Island
Application June 4, 1940, Serial No. 338,790
24 Claims. (Cl. 19—135)



1. In a spinning frame, drafting mechanism including cooperating front rolls, and mechanism

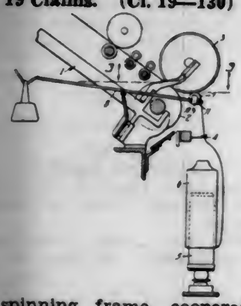
for divorcing the twisting function from the drafting function of said rolls including means for effecting twisting while maintaining the yarn under pressure and spacing the beginning of twisting from said pressure.

2,257,042
SPINNING FRAME
Walter S. Eastman and Richard Patterson, Glendale, R. I., assignors to Stillwater Worsted Mills, a corporation of Rhode Island
Application June 4, 1940, Serial No. 338,791
17 Claims. (Cl. 19—130)



1. In a spinning frame, drafting mechanism including cooperating front rolls, and an individually mounted pressure mechanism extending between the axes of said rolls and carrying an individually mounted pressure means for pressing the yarn against the top front roll.

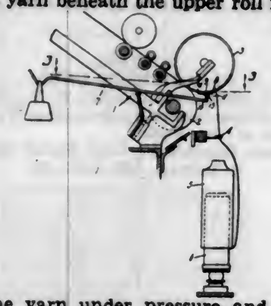
2,257,043
SPINNING FRAME
Walter S. Eastman, Glendale, R. I., assignor to Stillwater Worsted Mills, a corporation of Rhode Island
Application June 4, 1940, Serial No. 338,792
19 Claims. (Cl. 19—130)



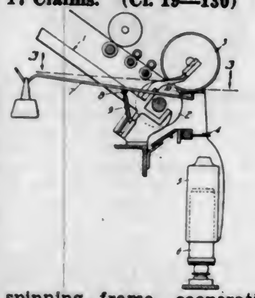
1. In a spinning frame, cooperating front drafting rolls, pressure mechanism including a movable support biased to operative position and pressure means thereon acting on the yarn after it passes out of contact with the lower front roll, and a floating mounting between said support and pressure means.

2,257,044
SPINNING FRAME
Walter S. Eastman, Glendale, R. I., assignor to Stillwater Worsted Mills, a corporation of Rhode Island
Application June 19, 1940, Serial No. 341,323
20 Claims. (Cl. 19—130)

1. In a spinning frame, cooperating front drafting rolls, and means including an elongated yarn supporting carrier extending lengthwise along the yarn beneath the upper roll for maintaining the yarn under pressure and laterally spacing the beginning of twisting from the pressed portion of the yarn.

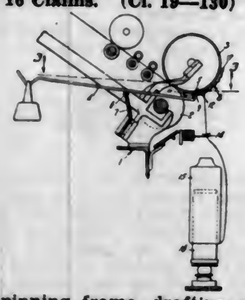


2,257,045
SPINNING FRAME
Walter S. Eastman, Glendale, R. I., assignor to Stillwater Worsted Mills, a corporation of Rhode Island
Application February 6, 1941, Serial No. 377,633
17 Claims. (Cl. 19—130)



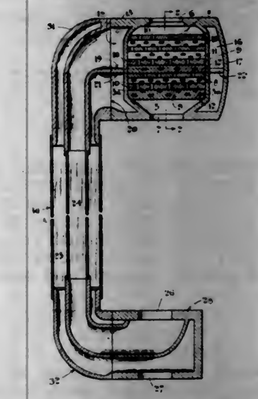
1. In a spinning frame, cooperating front drafting rolls, and resilient yarn engaging means flexed against the upper front roll for supporting and pressing the yarn against said roll as the yarn passes from between the nip of said rolls.

2,257,046
SPINNING FRAME
Richard Patterson, Glendale, R. I., assignor to Stillwater Worsted Mills, a corporation of Rhode Island
Application February 6, 1941, Serial No. 377,628
16 Claims. (Cl. 19—130)



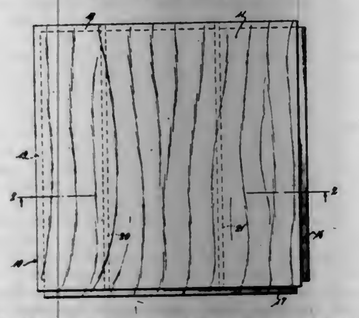
1. In a spinning frame, drafting mechanism including cooperating front rolls, pressure mechanism for pressing the drafted yarn against the top front roll and delivering the yarn for twisting, and means in front of said pressure means for lapping broken ends on said top front roll.

2,257,047
FUEL HEATING AND VAPORIZING SYSTEM FOR INTERNAL COMBUSTION ENGINES
Arthur Finestone, Montreal, Quebec, Canada
Application July 31, 1940, Serial No. 348,967
In Great Britain September 1, 1939
4 Claims. (Cl. 48—180)



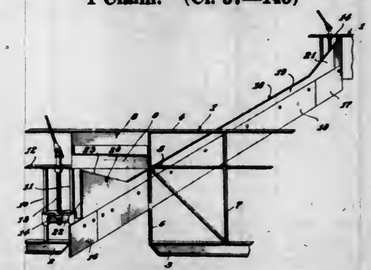
4. A fuel vaporizer comprising a vaporizing chamber provided with oppositely located fuel inlet and outlet openings and a plurality of perforated heat conducting plates extending across the full length and breadth of said chamber between said openings, all of said plates being of wavy or sinuous form in longitudinal section and certain of said plates being provided with transversely extending grooves inclined so that fuel entering or accumulating in said grooves is deflected or guided toward the marginal portions of the plates.

2,257,048
PLY WOOD FLOOR BLOCK
Clarence C. Fulbright, Pine Bluff, Ark.
Application September 7, 1940, Serial No. 355,866
3 Claims. (Cl. 20—8)



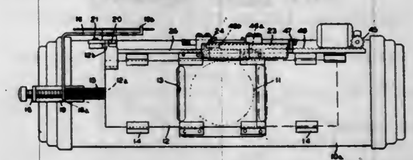
1. A floor block comprising in combination: a plurality of plies of wood united by an adhesive; tongues projecting from two adjacent edges of the block and grooves formed in the remaining edges; each of said tongues comprising at least portions of at least two of the plies comprising the block; the grain of certain of said plies running at an angle to the grain of an adjacent ply.

2,257,049
STRAIGHTEDGE ASSEMBLY
Edward C. Gledhill, Galion, Ohio
Application September 16, 1939, Serial No. 295,275
1 Claim. (Cl. 37—148)



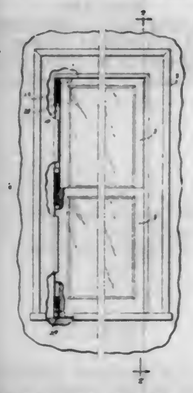
A straight edge assembly including, in combination with the runner frame of a road shaper, said runner frame having runner sections spaced from each other in longitudinal alinement and said runner frame including top members and connecting plates defining an opening between the runner sections, a lower blade section of rectangular contour, extension sections secured to said lower blade section in longitudinal alinement therewith and extending into the opening between the runner sections for depositing material exteriorly of the road shaper, and an upper blade section carried by the lower blade section and the extension section and having a relatively narrow portion and having enlarged end portions of triangular contour, said end portions having their free end edges extending upwardly throughout the height of the opening for preventing passage of material between said end portions and the connecting plates so that said material will be prevented from being deposited within the confines of the road shaper.

2,257,050
TIMING APPARATUS FOR X-RAY EXPOSURES
Edwin R. Goldfield, University Heights, Ohio, assignor to Picker X-Ray Corporation, Waite Manufacturing Division, Inc., Cleveland, Ohio, a corporation of Ohio
Application August 19, 1940, Serial No. 353,179
8 Claims. (Cl. 250—95)



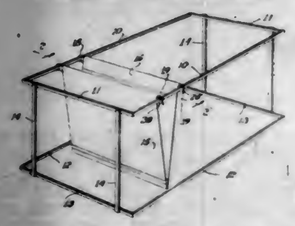
1. Means for controlling X-ray tube exposure time comprising an X-ray tube, an operating circuit therefor, switch means for closing said circuit, normally closed shutter means opaque to X-rays for controlling the rays from said tube, and means for causing exposure-producing movement of said shutter means in timed relation to the closing of said switch means for the purpose described.

2,257,051
METAL WEATHER STRIP AND SASH BALANCE
Martin J. Gossen, Whitefish Bay, Wis.
Application December 8, 1939, Serial No. 308,107
11 Claims. (Cl. 20—52)



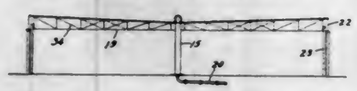
1. In combination, a window frame, a sash slidably mounted within said frame, a metal weather strip device for the sash within the frame and extending substantially the full length of the travel of the sash within the frame, said device being secured to the frame and formed to provide a bottom wall and a slotted tube and a flange formation both extending outwardly from said bottom wall towards the sash, said tube having laterally spaced side walls extending into a groove in the adjacent side portion of the sash, said flange formation extending along one longitudinal edge of the device in spaced relation to the tube and overlapping the adjacent outer side surface of the sash, and a coiled spring for lifting the sash located within the tube, said spring having its upper end in fixed relation to the upper end of the tube and its lower end connected to the sash through the slot in the tube, said device being comprised of resilient sheet metal and the side wall of the tube next adjacent to the flange being tensioned to press and normally hold the sash in sliding contact with the flange with sufficient tightness to hold the sash in any position of sliding adjustment within the frame against the lifting action of the spring.

2,257,052
FILING DEVICE
Atto N. Hanna, Orange, N. J.
Application April 5, 1941, Serial No. 386,991
6 Claims. (Cl. 129—16.7)



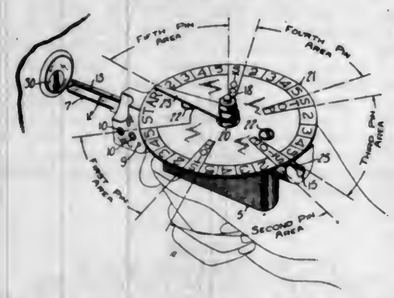
1. A filing device embodying therein a folder, each top edge of which is provided with metal suspension means projecting beyond the side edges of the folder, said means, at one side of the folder, having a downwardly opening bayonet slot therein, and at the other side of the folder having a straight downwardly opening recess therein, and a member adapted to have movement to position a part thereof across and close the lower portion of said recess.

2,257,053
AIRCRAFT HANGAR CONSTRUCTION
Gilbert W. Hebblewhite, Lansing, Mich., assignor to E. Clement Jarvis, doing business as Jarvis Engineering Works
Application April 7, 1939, Serial No. 266,503
10 Claims. (Cl. 189—1.5)



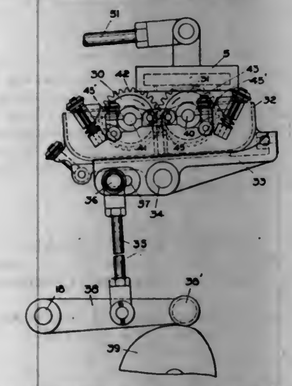
1. An aircraft hangar comprising a central support, a plurality of spaced vertical columns arranged in a circle about said central support as an axis, a circular girder carried on said columns and outwardly thereof with respect to the central support, and spaced radial trusses connecting said central support and said circular girder.

2,257,054
LOCK DECODER
Harold Hoffman, Chicago, Ill.
Application June 12, 1940, Serial No. 340,029
6 Claims. (Cl. 33—174)



1. A lock decoder for determining the combination of a pin tumbler lock having a lock cylinder rotatable in a casing and having pin tumblers of different lengths and spring pushed drivers, the junctures between which must be aligned with the line of part between the cylinder and casing to enable rotation of the cylinder, said decoder comprising: a base; a blade fixed to the base and projecting therefrom for insertion into the lock; a movable feeler projecting from the base adjacent to the blade for engagement with an outer face of the lock; means yieldingly urging the feeler outwardly so that upon insertion of the blade into the lock to successively engage the pin tumblers, said feeler is moved progressively into the base distances determined by the length of the successive tumblers; a scale member and a cooperating indicator member carried by the base, said scale member being calibrated to represent different key notch depths, one of said members being movable with relation to the other; and means for translating motion of the feeler into a coordinated motion of the movable one of said members.

2,257,055
LABELING MACHINE
Carl Holm, Worcester, Mass., assignor to Economic Machinery Company, Worcester, Mass., a corporation of Massachusetts
Application July 19, 1939, Serial No. 285,306
17 Claims. (Cl. 91—51)



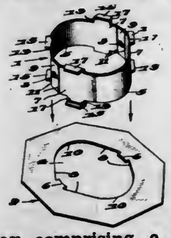
13. In the operation of a label-affixing machine of the kind having a reciprocating label support and gum-applying means, that method which comprises as steps causing gum-applying means first to contact the surface of the label at a point intermediate the ends of the latter as the support moves in one direction and to continue such contact until the support completes its motion in said direction, and then causing gum-applying means to contact the surface of the label at a point intermediate the ends of the latter as the support moves in the opposite direction and to maintain such contact until the support has completed its motion in the latter direction.

2,257,056
OPERATING MECHANISM FOR LOUVER CONSTRUCTION
Van E. Huff, Miami, Fla., assignor of one-half to Charles F. Miller, Miami, Fla.
Application July 8, 1939, Serial No. 283,500
5 Claims. (Cl. 268—96)



1. Operating means for a louver having a series of pivoted slats connected by a traveller bar, said operating means including an operating bar guided for longitudinal movement parallel to said traveller bar, a plurality of links having their ends connected respectively to the traveller bar and the operating bar, a rack extending longitudinally at an angle to said operating bar and a plurality of bent straps operatively connecting the rack and bar.

2,257,057
HAT PACKING STAY
Joseph G. Huye, New Orleans, La.
Application January 30, 1940, Serial No. 316,409
4 Claims. (Cl. 206—8)

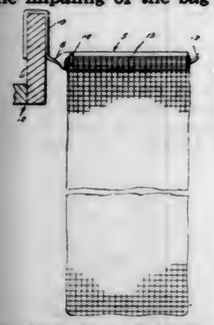


1. A hat stay comprising a flat octagonal shaped cardboard stay member formed with a centrally disposed substantially oval shaped aperture and integral radially inwardly disposed locking projections medially positioned on opposite sides of said aperture, each side of said aperture being defined by a pair of straight edge portions disposed at an obtuse angle and in symmetrical relation to each other on opposite sides of the locking projection of their respective aperture side; in combination with a tubular stay member disposed axially through the aperture of said flat stay member, said tubular member comprising a body portion formed with curved opposed end panels conforming in shape to the aperture end edge portions, flat side panels conforming in shape to the straight aperture side edge portions, and a pair of opposed flat center panels, each said center panel being disposed between and connected at its side edges along axially extending score lines to its adjacent flat side panels, and each said center panel being formed with a diamond shaped slot to receive the respective adjacent cooperating locking projection of the flat stay member; and integral hat brim engaging and supporting means carried respectively at the upper and lower edges of each said flat side panel of the body portion, each of said means comprising an axially projecting base and a resiliently radially outwardly folded foot integral with said base, all the uppermost feet lying in the same plane above the upper edge of the tubular stay body, and all of the lowermost feet lying in the same plane beneath the lower edge of the tubular stay body.

2,257,058
BAG HOLDER
Bertman V. Johnson and Luther M. Stewart, Altoona, Fla.
Application February 18, 1941, Serial No. 379,494
1 Claim. (Cl. 248—100)

A bag holder comprising a substantially U-shaped resilient frame, said frame having the sides thereof adjacent the free ends of the sides longitudinally twisted, and beyond the twisted portions thereof merging into substantially inverted U-shaped hanger brackets disposed in a plane substantially perpendicular to the plane of the frame; impaling projections extending from the sides of the frame adjacent the twisted portions thereof, and a third impaling projection extending outwardly from the frame at the bight thereof; said frame being bodily contractible to

facilitate the insertion thereof into the mouth of a bag and the impaling of the bag at its mouth



on said projections, as well as to facilitate the disengaging of the projections from the bag and the removal, bodily, of the frame from the bag.

2,257,059
SOLENOID PUMP
George P. Metesky, Waterbury, Conn.
Application July 19, 1938, Serial No. 220,082
1 Claim. (Cl. 172—126)



A reciprocating circuit breaker comprising a solenoid, a housing for the solenoid projecting at one end beyond the solenoid, a casing in the solenoid concentric with and projecting into the projecting end of the housing, there being a longitudinal slot in the projecting end of the casing, a core for the solenoid movable in one direction into the solenoid and movable in the opposite direction into the slotted end of the casing, a lug of insulating material on one end of the core projecting through said slot, a metal lever pivoted intermediate its ends in the projecting end of the housing and extending longitudinally of the slot in the casing, a stationary contact point carried by the casing, a movable contact on one end of the lever, said contacts being electrically connected to the solenoid for closing a circuit through the solenoid, a leaf spring secured to and extending longitudinally of the lever having its ends curved away from the lever and adapted to be alternately engaged by said lug to move the contact points to open circuit and to closed circuit position, an enlarged end on the lever adjacent to the end of the solenoid attracted by the solenoid when energized to hold the contacts in good electrical engagement, there being a second longitudinal slot in the projecting end of the casing, an arm secured to the end of the score near said lug and projecting through the second slot, and a compression spring between the arm and solenoid adapted to be compressed when the core is drawn into the solenoid for returning the core to its outward limit of movement beyond the solenoid to move said contacts into circuit closing position.

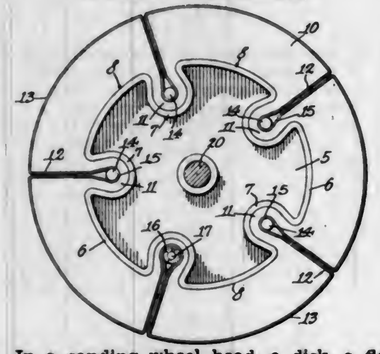
2,257,060
TRANSPOSING KEYBOARD FOR PIANOS AND ACCORDIONS
Theodore Keir Mollliet, Vavenby, British Columbia, Canada
Application April 8, 1940, Serial No. 328,563
4 Claims. (Cl. 84—376)

1. A transposing attachment for pianos or other musical instruments having conventional keyboards of black and white keys comprising a stationary frame adapted to fit over the keyboard of the instrument, a movable frame slidably mounted in said stationary frame and movable across the keyboard, a plurality of keys hingedly



mounted on said movable frame having depending pins, flat bars disposed on the black keys of the instrument keyboard adapted to be engaged by said pins, and equalizing bars disposed over the white keys of the instrument keyboard in elevated relation to the top of the white keys adapted to be engaged by said pins.

2,257,061
SANDING WHEEL HEAD
Fred H. Morris, High Point, N. C., assignor to Pearson Sanding Machine Company, High Point, N. C.
Application September 23, 1938, Serial No. 231,417
11 Claims. (Cl. 51—194)

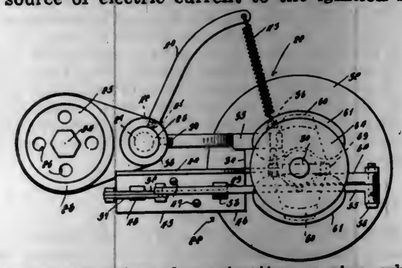


1. In a sanding wheel head, a disk, a flange extending from one surface of the disk in spaced relation with the periphery thereof and having curved inwardly disposed offset portions, a circular cushioning member, inwardly disposed extensions formed on the cushioning member, said cushioning member being fitted over the flange, the extensions of the cushioning member being fitted in the offsets of the flange, said cushioning member having slots formed therein, extending inwardly from the periphery thereof and terminating within the offset portions, said slots adapted to receive a strip of sanding cloth positioned over the cushioning member, said cushioning member being of a thickness equal to the width of the flange, a second disk adapted to be positioned against said flange and cushioning member, holding said cushioning member to the flange, and bolts disposed within the off-set portions of the flange and resting within the openings of the offset portions of the cushioning member, said bolts extending through the last mentioned disk clamping the cushioning member between said disks.

2,257,062
ENGINE SHUTDOWN DEVICE
Harry E. Morrow, deceased, late of Electra, Tex., by Gertrude M. Morrow, executrix, West Los Angeles, Calif.
Application February 27, 1941, Serial No. 380,932
6 Claims. (Cl. 192—116.5)

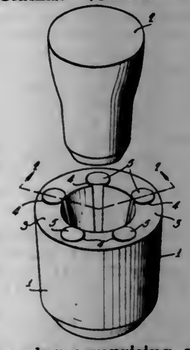
1. An engine shut down device comprising a

wheel adapted to be driven by frictional engagement with a belt tightener pulley, a shaft keyed to said wheel, a bearing for journaling the shaft and for supporting the shaft and wheel, arms pivotally connected to the shaft and provided with weights at their free ends adapted to be swung upwardly and outwardly by centrifugal force when the shaft is revolved, a sleeve slidably mounted on said shaft and having a flange for engaging said arms to cause the sleeve to be moved lengthwise of the shaft by the outward movement of said weights, a switch having spaced contacts insulated from one another, one of said contacts being connected to a wire leading from a source of electric current to the ignition sys-



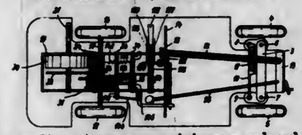
tem of an internal combustion engine which drives a belt which, in turn, drives the belt idler pulley, the other contact being connected to a grounded wire, a blade, forming a part of said switch and pivotally connected to one of the contacts and arranged to engage the other contact when in a closed position, and means pivotally connected to the opposite end of said blade and turnably connected to said sleeve for retaining the blade in an open position when the shaft is revolved sufficiently to hold the weights in a raised position, and said means being movable by the weights when the shaft ceases to revolve to cause the blade to engage both of the contacts for grounding the current through the last mentioned contact to stop the engine.

2,257,063
BLASTING PLUG
Howard M. Mossman, New York, N. Y., and Walter Steward, Shamokin, Pa., assignors to Heitzman Safety Blasting Plug Corp., Shamokin, Pa., a corporation of Pennsylvania
Application October 19, 1940, Serial No. 361,973
9 Claims. (Cl. 102—11)



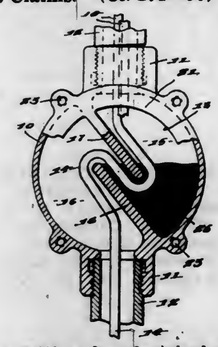
9. A blasting plug comprising a substantially cylindrical body of rubber or like deformable material having an axial recess in an end thereof, said body being adapted for radial expansion through the medium of an expander forcibly entered in said recess, the inner surface of the wall embracing said recess converging inwardly and angularly with respect to the outer surface whereby the wall increases in radial thickness towards the bottom of said recess, and a circumferentially arranged series of relatively nondeformable elements established in said wall and extending longitudinally of said body, said elements substantially paralleling the inner surface of said wall and having a thickness not materially less than the radial thickness of the wall at its outer end.

2,257,064
TRAVELING TOY
Heinrich Müller, Nuremberg, Germany
Application March 13, 1939, Serial No. 261,616
In Germany August 24, 1938
23 Claims. (Cl. 46—206)



1. A traveling toy comprising a wheel mounted body, a driving motor supported by said body, a driving connection between said motor and one of the wheels of the body, a speed governor operable by said motor and including a member mounted to perform swinging movements of variable amplitude, and means for adjusting said governor to vary the speed of the motor and the wheel mounted body, said means for adjusting the governor including a member having an opening therein and a manually operable lever movable into various positions in said opening.

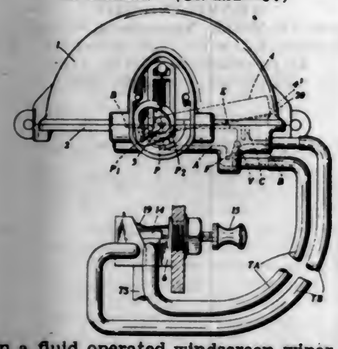
2,257,065
SEALING FITTING FOR ELECTRICAL CONDUIT LINES
Earl M. Olley, Syracuse, N. Y., assignor to Crouse-Hines Company, Syracuse, N. Y., a corporation of New York
Application July 9, 1940, Serial No. 344,551
2 Claims. (Cl. 174—50)



1. A sealing fitting for electrical conduit lines comprising a body formed with conduit receiving passages and having an opening in one side, a partition member extending inwardly from the side wall of the body to a point past the center thereof, a second partition member extending inwardly from the opposite side of the fitting, the inner ends of said partitions overlapping and being arranged in spaced relation and being coop-

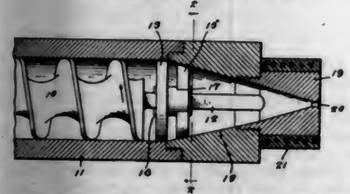
erable to effect a reverse loop formation in the conductors extending through the fitting, a cover for the open side of the fitting detachably secured thereto in flame tight relation to said partitions and the marginal surface of the body about said opening, said first partition being cooperable with the body and cover to form a well for receiving a sealing medium.

2,257,066
WIND-SCREEN WIPER
William Edward O'Shei, London, England
Application October 18, 1940, Serial No. 361,793
In Great Britain September 8, 1939
10 Claims. (Cl. 121—97)



1. In a fluid operated windscreen wiper motor having a reciprocable piston and automatic valve mechanism for applying fluid power alternately to the opposite sides of said piston for operating the motor, and having a control valve which is operable selectively to connect a source of fluid power either by one passage to said valve mechanism for operating the motor or by a second passage to one side only of the piston for moving the piston to a parking position and there stopping the motor, the provision of a conduit leading from said valve mechanism directly to said one side of the piston without passing through said control valve, said conduit affording communication between said one side of the piston and either fluid power or atmospheric air according to the operation of said valve mechanism when the motor is working, and valve means operable by the difference between the pressures in the conduit and the second passage for blocking said conduit when the control valve is operated to park the piston.

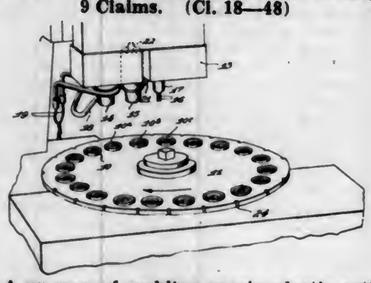
2,257,067
METHOD AND APPARATUS FOR MAKING CASEIN PLASTICS
John A. Parsons, Bainbridge, N. Y., assignor to American Plastics Corporation, New York, N. Y., a corporation of New York
Application December 7, 1937, Serial No. 178,588
6 Claims. (Cl. 18—12)



1. A process of making a mottled extruded casein plastic rod, which comprises alternately and intermittently feeding segregated amounts of differently colored moistened casein materials to an extrusion screw press and after the casein mass has left the screw, but while still in the said press, only slightly agitating the casein mass in a rotary plane perpendicular to the direction of longitudinal movement of the casein while being agitated, the rate of such rotary agitation being only sufficient to produce a spiral mottle in the casein plastic, and thereafter extruding the casein plastic from the press.

6. An apparatus for plasticizing and extruding casein plastic in the form of rods having a mottle, which comprises a casing, a feed screw therein, a shaft carried on the end of said screw and coaxial therewith, an agitator lying in a plane perpendicular to the axis of said screw and shaft, said agitator being spaced away from the end of said screw, said screw, shaft and agitator being all mounted for rotation as a unit about the axis of said screw and shaft, the radial length of such agitator being greater than any other dimension thereof.

2,257,068
MOLDING CASEIN PLASTIC ARTICLES
John A. Parsons, Bainbridge, N. Y., assignor to American Plastics Corporation, New York, N. Y., a corporation of New York
Application January 26, 1938, Serial No. 187,082
9 Claims. (Cl. 18—48)



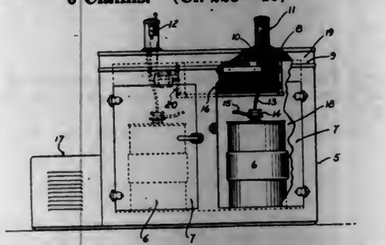
1. A process of molding casein plastic articles which comprises placing a piece of casein plastic mass in a cool mold bottom, moving said piece and mold bottom to a position under a hot mold top, applying molding pressure on said piece by said hot mold top while said piece is carried in said mold bottom, continuing said hot pressure for a sufficient time to heat said piece and to at least partly mold said piece into shape, then moving said mold top away from said molded piece, then moving said piece, while in said mold bottom to a position under a cold mold top, applying said cold mold top under pressure upon said at least partly molded piece to complete the molding of the article and to chill the molded article, and repeating said cycle of steps on successive additional pieces of casein plastic mass.

2,257,069
ORTHODONTIC BRACKET
Joseph Dayton Peak, Austin, Tex.
Application January 27, 1941, Serial No. 376,233
3 Claims. (Cl. 32—14)



1. An orthodontic appliance comprising a thin sheet metal bracket adapted to be applied to a tooth band and bent to provide a longitudinally extending channel open at each end and one side, laterally extending flanges at the sides of the channel, the channel being formed with a transverse slot opening through its front and side walls, and tabs carried by and projecting laterally from the flanges.

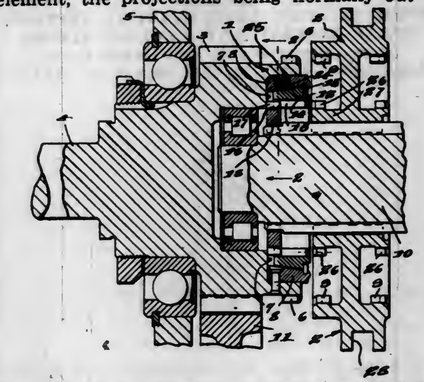
2,257,070
BEVERAGE DISPENSER
Hilbert R. Perlick, Milwaukee, Wis., assignor to R. Perlick Brass Company, Milwaukee, Wis., a corporation of Wisconsin
Application February 23, 1940, Serial No. 320,397
6 Claims. (Cl. 225—40)



1. In a direct draw beer dispenser, the combination of: a floor type cabinet adapted to hold a keg of beer and having its top wall at counter height to enable beer to be dispensed across said top wall and so that said top wall is spaced but a short distance from the top of a keg in the cabinet, and having an opening in an exterior wall thereof; a short beer line leading from the interior of the cabinet where it is connectible to a keg out through the opening and projecting a substantial distance outside said exterior wall; a hollow faucet standard mounted on said exterior wall over the opening to receive and enclose the entire projecting end of the beer line; a faucet mounted on the standard and connected to the end of the beer line inside the hollow standard, the interior of the hollow standard presenting a constricted air pocket which, although communicated with the interior of the cabinet through said opening, is substantially isolated from the cabinet interior and subjected to the temperature of the atmosphere exteriorly of the cabinet regardless of the temperature inside the cabinet; means for refrigerating the interior of the cabinet; a blower for circulating the air within the vabinet and maintaining uniform temperature throughout all parts of the cabinet interior; means forming inlet and outlet passages communicated with the interior of the cabinet and communicated with each other inside the hollow faucet standard adjacent to the connection of the faucet with the beer line, that portion of the beer line which projects into the hollow standard being within one of said passages; and means on the passage forming means and extending into the path of the air moved by the blower for rendering the blower effective to cause circulation of air from the cabinet interior into the inlet and out of the outlet passage.

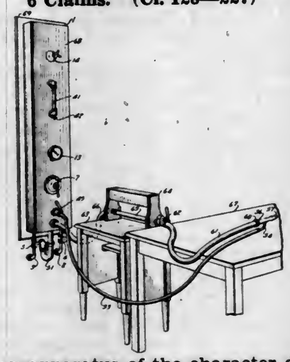
2,257,071
POPPETLESS SYNCHRONIZING CLUTCH
Carl D. Peterson and Albert H. Deimel, Toledo, Ohio
Application June 6, 1940, Serial No. 339,143
6 Claims. (Cl. 192—53)

1. A synchronizing clutch including driving and driven jaw clutch elements, one of which is shiftable axially into and out of engagement with the other, and synchronizing means including coacting friction rings rotatable respectively with said elements, one of said rings being capable of a circumferential rocking movement relatively to the element with which it rotates and having transverse passages therethrough and the element with which it rotates having projections for slidably fitting the passages and receivable in the same upon axial movement of the shiftable element, the projections being normally out of



the passages in position to thrust against the rocking ring on one side or the other of said passages when the clutch elements are rotating at different speeds and the passages being movable into alinement with said projections when the speeds synchronize and the ring rocked, said rings being normally arranged out of frictional engagement, and yielding projections on one ring coacting with the other ring for creating initial frictional drag between the two rings sufficient to rock the rocking ring into locking position whenever the speeds of the two clutch elements are unequal, preliminary to clutch engagement.

2,257,072
COLONIC IRRIGATOR
Dan L. F. Coombs, Kansas City, Mo.
Application June 17, 1941, Serial No. 398,490
6 Claims. (Cl. 128—227)



1. In an apparatus of the character described, a mixing chamber, means for supplying hot and cold water to said mixing chamber, means for elevating the water from the mixing chamber in a column, a combination check valve and vacuum break substantially at the upper end of said col-

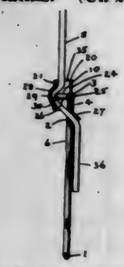
umn, means for conveying the water laterally of said combination valve and break, a valve housing for receiving said laterally conveyed water having a needle valve and an aspirator associated therewith, means for supplying the aspirator with air for entrainment in said water, means leading the water with air entrained therein downwardly, and a discharge outlet at the lower end of said last named water leading means.

2,257,073

WIRE BUTTON LOOP HAVING TIPPING STRAP-BINDING-AND-RELEASE SLIDES

George Henry Elwell, New Haven, Conn.

Application March 13, 1941, Serial No. 383,128
3 Claims. (Cl. 24—73)



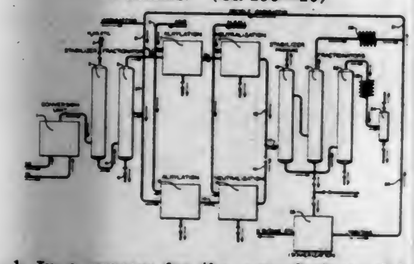
2. A button loop slide comprising the association of a wire button loop and a sheet-metal slide member hinged to an upper bar of the wire button loop; a front plate and a strap passage behind the plate with which the sheet-metal member is provided; projections provided by the said upper bar and extending out of the button loop plane within the passage; and means provided by the said front plate and cooperating with said projections to permit the insertion of a strap within said passage upon the tipped perpendicular position of the slide member to that of the wire loop plane and causing the inserted strap to bind within said passage upon the tipped position of the slide member into alignment with said button loop plane.

2,257,074

MANUFACTURE OF HIGH ANTIKNOCK HYDROCARBONS

Arthur R. Goldsby, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

Application July 8, 1939, Serial No. 283,429
4 Claims. (Cl. 196—10)



1. In a process for the manufacture of high anti-knock motor fuel hydrocarbons, the steps which comprise catalytically converting a mixture of carbon monoxide and hydrogen to a synthetic hydrocarbon mixture composed mainly of hydrocarbons having from one to about ten carbon atoms per molecule, said hydrocarbons being composed largely of normal olefins, including normal butylenes, and being comparatively free from aromatic and naphthenic constituents, separating from said synthetic mixture gasoline hydrocarbons boiling up to about 390° F. having a relatively high content of normal butylenes and a relatively low content of isobutylene, and reacting said gasoline hydrocarbons with a paraffin hydrocarbon fraction comprising isobutane in the presence of concentrated sulfuric acid and in the substantial absence of isobutylene and aromatic hydrocarbons whereby isobutane is alkylated to produce normally liquid saturated hydrocarbons having a high anti-knock value and boiling within the range for motor fuel.

2,257,075

SHOE UPPER

Jacob F. Jonas, Bellevue, Ky., assignor to The Krippendorf-Dittmann Company, Cincinnati, Ohio, a corporation of Ohio

Application May 31, 1939, Serial No. 276,544
1 Claim. (Cl. 36—55)



In a shoe of the pump type, a vamp, a lining for the vamp, said lining having a throat section of distensible fabric material fixed thereto, said throat section being of a type in which the fabric under tension is coated on one side with an elastic medium, said section underlying the throat portion of the vamp, the throat end of the section being overlapped to provide a folded throat edge in registry with the throat edge of the vamp, the lap extending inwardly between the vamp and body portion of the section, and the folded portion of the section being secured to the vamp by stitching extending in a line along the throat edge.

2,257,076

DYEING OF POLYVINYL HALIDE-ACETATE COPOLYMER FIBERS AND FABRICS

Frederick Edward Petke, Bound Brook, N. J., and Arthur Fredrick Klein, Philadelphia, Pa., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application December 23, 1939, Serial No. 310,828
12 Claims. (Cl. 8—34)

1. A method of dyeing polyvinyl halide-acetate copolymer containing material with dyestuffs which form reduced leuco compounds which comprises subjecting the material to the action of an aqueous bath containing the reduced dye, and a strong alkali metal free nitrogen base, followed by oxidation of the color on the material by chemical oxidation.

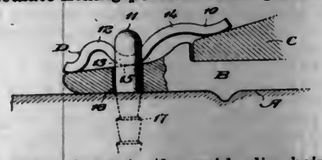
2,257,077

RAIL FASTENING MEANS

Richard T. Scholes, Hinsdale, Ill.

Application July 12, 1940, Serial No. 345,211
3 Claims. (Cl. 238—349)

1. Rail holding means comprising, in combination with a rail and support, a resilient imperforate spring clip and a fastener comprising a two-pronged staple straddling the clip, the imperforate clip having inner and outer flexing end portions contacting respectively with the rail flange and with the rail support, and also having at the point of application of said fastener an intermediate flexing portion forming at its under



side a stop element, the said clip being also formed so that when it is initially applied to the rail and said support its medial portion is spaced above the support for downward flexure, and said staple and said clip at the center of flexure of the latter having cooperating means positioning and holding the staple substantially coincident with the said center of flexure.

2,257,078

PURIFICATION OF VALUABLE HYDROCARBONS

Frank J. Soday, Upper Darby, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania

No Drawing. Application June 4, 1938, Serial No. 211,945
8 Claims. (Cl. 260—674)

1. A process for preparing a refined solution of a resin-forming unsaturated light oil hydrocarbon which is highly resistant to color formation when subjected to conditions for the polymerization of said unsaturated hydrocarbon which comprises subjecting light oil produced in the manufacture of artificial gas to fractional distillation to obtain a relatively close cut of said unsaturated hydrocarbon, treating said cut with from 2% to 10% by volume of acid selected from a group consisting of ortho-phosphoric acid, pyro-phosphoric acid and meta-phosphoric acid, said acid being from 60% to 90% in concentration, said treatment taking place at a temperature between —10° C. and 30° C. but sufficiently low to avoid adding any appreciable permanent color to said hydrocarbon and to avoid polymerizing a large part of said hydrocarbon due to the strength of said acid, and then removing residual acid from said cut.

2,257,079

MOTOR FUEL

Le Roy G. Story, White Plains, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

No Drawing. Original application November 8, 1934, Serial No. 752,121. Divided and this application February 4, 1937, Serial No. 124,038
6 Claims. (Cl. 44—9)

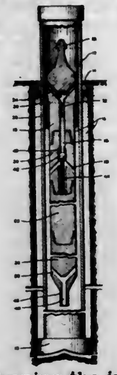
1. The process of obtaining an antiknock gasoline, stabilized against formation of gums, which comprises subjecting cracked hydrocarbons containing unsaturated constituents to contact with a solid adsorbent catalytic material under polymerizing conditions of temperature and pressure, in the presence of a phenol, whereby said phenol is caused to react with at least a portion of the unsaturated constituents present, forming an antioxidant reaction product together with hydrocarbons of gasoline boiling range, and recovering from the resultant products gasoline containing at least a portion of the antioxidant material thereby formed.

2,257,080

DRILL PIPE CLEANER

Edgar J. Turner, Santa Paula, Calif., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

Application October 10, 1939, Serial No. 298,737
1 Claim. (Cl. 255—28)



A device for cleaning the inside of a string of drill pipe having a drill bit on the lower end thereof, comprising a body member adapted to slide downwardly through said pipe string, resilient means on said body member adapted to engage the inner surface of said pipe, said body member being provided with a longitudinal fluid passage, a valve seat in said passage, a valve in said passage below said seat, resilient spring means for forcing said valve upwardly toward said seat to close said passage, a nozzle shaped projection on the lower end of said body member adapted to engage said drill bit, and a second fluid passage extending from the outside of said body member downwardly through said projection, the arrangement being such that fluid circulated downwardly through said pipe will pass through said first mentioned passage past said valve, through said second passage and out through said projection.

2,257,081

UNIVERSAL TYPE CAMERA

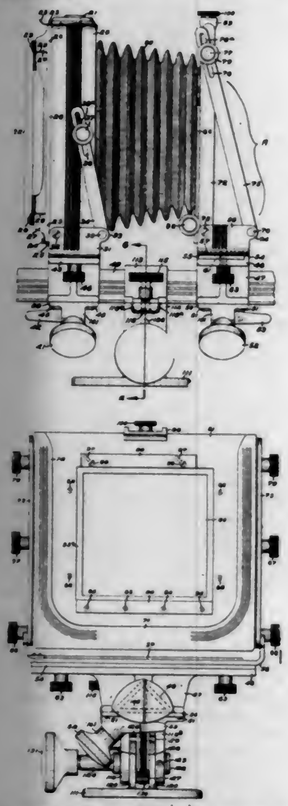
Vernon E. Whitman, Rochester, N. Y., assignor to The Folmer Graflex Corporation, Rochester, N. Y., a corporation of Delaware

Application October 4, 1940, Serial No. 359,708
29 Claims. (Cl. 95—50)

1. A universal-type camera structure including in combination, an elongated, monorail, camera bed, a camera back or box member and a camera front member, each separately received upon and having means whereby they are adjustably secured to said camera bed and having a bellows connection, means for supporting one of said members on the monorail camera bed so that it may be swung in directions transverse to the lengthwise dimension of the said monorail camera bed while secured thereto and means for effecting the bodily lateral shifting of said one member with respect to said camera bed while secured thereto, said means for effecting said swinging and bodily shifting including a supporting member having at opposite portions thereof arcuate slots and also slots at substantially right angles thereto for the reception of securing studs.

6. A universal-type camera structure including in combination, an elongated, monorail, camera bed, a camera back or box member and a cam-

era front member, each separately received upon and having means whereby they are adjustably secured to said camera bed and having a bellows connection, said securing means including a saddle on said camera bed and to which said camera front member is attached, said camera front member having a front board member adjustable up and down while the front member is attached to said saddle, and means for effecting such adjustment and for locking the parts in adjusted position including opposite racks 83, 84, a shaft 86 engaging said racks, and a locking plate 89 supported in one of said racks and through which said shaft extends.



9. A universal-type camera structure including in combination, an elongated, monorail, camera bed, a camera back or box member and a camera front member, each separately received upon and having means whereby they are adjustably secured to said camera bed and having a bellows connection, said securing means including a saddle on said camera bed and to which said camera front member is attached, the said means for adjustably securing at least one of said members in adjusted position upon said camera bed, including a supporting saddle received upon one face of the said monorail camera bed, a plate engaged with the opposite face thereof, and means for moving said plate into clamping relation with the said monorail camera bed including a spring plate engaging said first mentioned plate, and a movable clamping member to engage said spring plate and thereby to force the first mentioned plate into clamping relation to the said monorail camera bed.

12. A universal-type camera structure including in combination, an elongated, monorail, camera bed, a camera back or box member and a camera front member, each separately received upon and having means whereby they are adjustably secured to said camera bed and having a bellows connection, said securing means including a saddle on said camera bed and to which said camera front member is attached, a camera bed support having means to clamp the same to said camera bed and having depending spaced hinged members, a head base plate having upstanding spaced hinge members to cooperate with the first mentioned hinge members, and means for permitting relative swinging movement of said several hinge members, and for securing them, and therefore the camera bed, in the desired position of adjustment, including interengaging screw threaded members extending transversely through said several hinge members, unthreaded pins respectively received transversely in said several hinge members and two sets of disks received upon said screw threaded members, and engaged by said unthreaded pins respectively, and constituting clutching means.

2,257,082

TREATMENT OF HYDROCARBONS

Willis A. Yarnall, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

No Drawing. Application March 18, 1939, Serial No. 262,783

1 Claim. (Cl. 260—683)

A process for the dehydrogenation of normally gaseous hydrocarbons of 2 to 4 carbon atoms and low boiling normally liquid hydrocarbons, to form olefins, which comprises contacting the hydrocarbons at low pressures and at temperatures of about 350° C. to 600° C. in the vapor phase and in the presence of a substantial amount of carbon monoxide, with a mixture of catalysts including a dehydrogenation catalyst comprising a mixture of aluminum and chromium oxides and a catalyst strongly promoting the interaction of carbon monoxide and hydrogen comprising a mixture of the oxides of cobalt, magnesium and thorium.

2,257,083

COMPOSITION OF MATTER

Malcolm R. Buffington, Millburn, N. J., assignor to Rubber Associates, Incorporated, a corporation of New York

No Drawing. Application August 14, 1937, Serial No. 159,112

3 Claims. (Cl. 260—746)

1. A plastic composition of matter comprising aqueous dispersion of rubber, a filler of discrete masses of friable particles containing mainly expanded mica and bentonite in amount by volume equal substantially to the volume of the aqueous rubber dispersion, the proportion of mica to bentonite being in the neighborhood of 20 to 1, and a coagulant for the rubber dispersion.

2,257,084

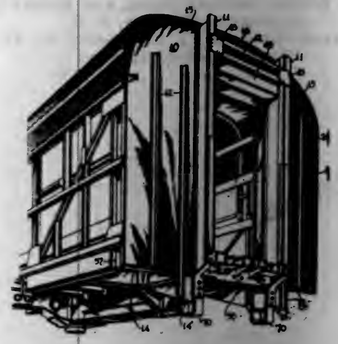
END CONSTRUCTION FOR RAIL CARS

Albert G. Dean, Narberth, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

Application September 22, 1939, Serial No. 296,027

22 Claims. (Cl. 105—402)

1. An end wall construction for rail cars comprising a flat plate extending from side to side and from top to bottom of the car body, a transverse end sill of inwardly facing channel section secured to the bottom of said plate, a door opening in the central lower portion of said plate, a transverse reinforcement for said plate above the doorway opening, and vertical collision posts secured to the outside face of the plate for the full height thereof.



16. An end wall structure for rail cars including an end sill, a longitudinally deep, as compared with its width, vertically extending collision post of box cross section overlapping the outer face of the end sill and secured thereto, the lower end portion of said post overlapping the outer face of the end sill and extending from said end sill upwardly a distance well above said sill and being provided in this region with vertical reinforcing members overlapping and secured to the longitudinally deep side walls and spaced longitudinally extending members bridging and secured to the side walls of the box cross-section.

2,257,085

ZINC LIQUATION

Johannes Thede, Stolberg, Germany, assignor to Stolberger Zink Aktiengesellschaft für Bergbau und Huttenbetrieb, Aachen, Germany, and Metallgesellschaft Aktiengesellschaft, Frankfort-on-the-Main, Germany, both corporations of Germany

No Drawing. Application May 12, 1939, Serial No. 273,344. In Germany May 20, 1938

5 Claims. (Cl. 75—88)

1. In a batch process for liquating zinc from zinciferous material of the type of zinc dust and trass containing elemental zinc the steps comprising introducing a charge of the zinciferous material to be liquated into a moving liquating furnace, heating such charge, then introducing a further charge of the material to be liquated into the furnace after the original charge has suffered a decrease in volume but not later than the time when the original charge has reached a plastic or dough-like state, said further charge being added before a substantial quantity of zinc has been liquated from the original charge of zinciferous material and continuing the liquation.

DESIGNS

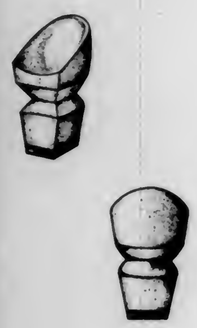
SEPTEMBER 23, 1941

129,576
DESIGN FOR A HEEL
Abraham Ausubel, New York, N. Y.
Application August 27, 1941, Serial No. 103,045
Term of patent 3½ years



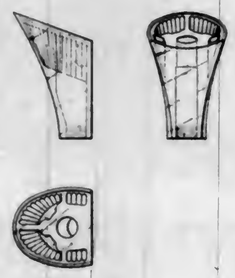
The ornamental design for a heel, substantially as shown.

129,577
DESIGN FOR A HEEL
Abraham Ausubel, New York, N. Y.
Application August 27, 1941, Serial No. 103,046
Term of patent 3½ years



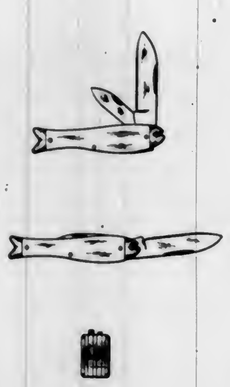
The ornamental design for a heel, substantially as shown.

129,578
DESIGN FOR A SHOE HEEL
John Bolten, Andover, Mass., and Robert H. Goldbaum, Plaistow, N. H.
Application September 7, 1940, Serial No. 94,844
Term of patent 14 years



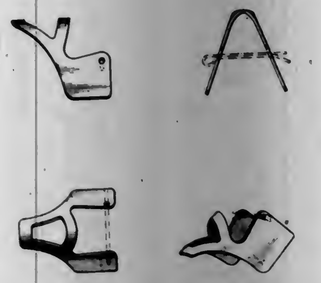
The ornamental design for a shoe heel, as shown and described.

129,579
DESIGN FOR A POCKETKNIFE
Gioacchino Di Nezza, Providence, R. I.
Application March 19, 1941, Serial No. 99,695
Term of patent 7 years



The ornamental design for a pocketknife, substantially as shown.

129,580
DESIGN FOR A CHICKEN GUARD OR THE LIKE
Daniel Eisen, Brooklyn, N. Y.
Application February 1, 1941, Serial No. 98,654
Term of patent 3½ years



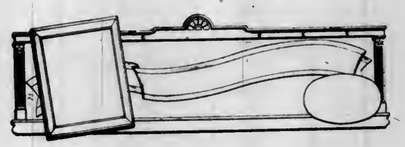
The ornamental design for a chicken guard or the like, substantially as shown.

129,581
DESIGN FOR A BADGE OR THE LIKE
James F. Feeney, White Plains, N. Y.
Application July 28, 1941, Serial No. 102,516
Term of patent 3½ years .



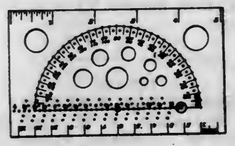
The ornamental design for a badge or the like, as shown.

129,582
DESIGN FOR A SIGN OR SIMILAR ARTICLE
Joseph K. Franks, Morristown, N. J.
Application February 21, 1941, Serial No. 99,157
Term of patent 3½ years



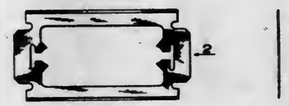
The ornamental design for a sign or similar article, as shown and described.

129,583
DESIGN FOR A COMBINED PROTRACTOR AND RULE
George S. Grant, Nashville, Ark.
Application July 1, 1941, Serial No. 101,846
Term of patent 7 years



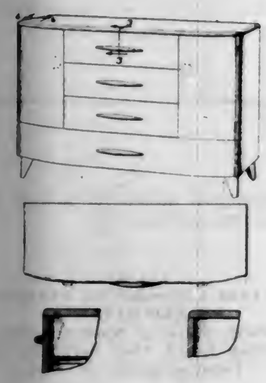
The ornamental design for a combined protractor and rule, as shown.

129,584
DESIGN FOR A SAFETY RAZOR BLADE
Louis C. Guertin, Worcester, Mass.
Application June 2, 1941, Serial No. 101,256
Term of patent 14 years



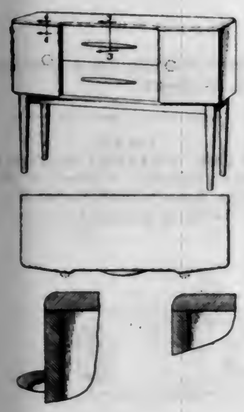
The ornamental design for a safety razor blade, as shown.

129,585
DESIGN FOR A BUFFET
Leo Jiranek, Scarsdale, N. Y., assignor to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts
Application March 3, 1941, Serial No. 99,319
Term of patent 3½ years



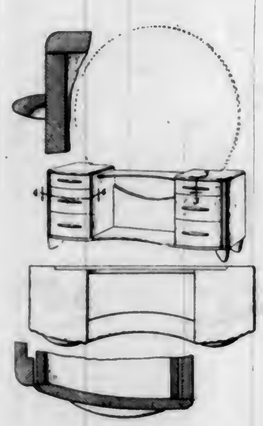
The ornamental design for a buffet, substantially as shown.

129,586
DESIGN FOR A BUFFET
Leo Jiranek, Scarsdale, N. Y., assignor to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts
Application March 3, 1941, Serial No. 99,320
Term of patent 3½ years



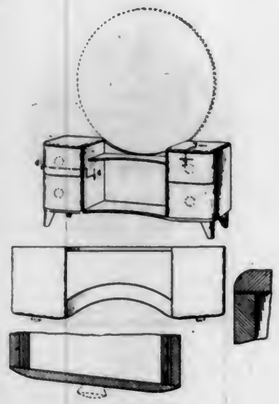
The ornamental design for a buffet, substantially as shown.

129,587
DESIGN FOR A VANITY
Leo Jiranek, Scarsdale, N. Y., assignor to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts
Application March 3, 1941, Serial No. 99,321
Term of patent 3½ years



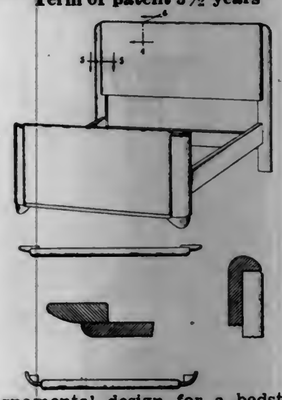
The ornamental design for a vanity, substantially as shown.

129,588
DESIGN FOR A VANITY
Leo Jiranek, Scarsdale, N. Y., assignor to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts
Application March 3, 1941, Serial No. 99,322
Term of patent 7 years



The ornamental design for a vanity, substantially as shown.

129,589
DESIGN FOR A BEDSTEAD
Leo Jiranek, Scarsdale, N. Y., assignor to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts
Application March 3, 1941, Serial No. 99,323
Term of patent 3½ years



The ornamental design for a bedstead, substantially as shown.

129,590
DESIGN FOR A COMBINATION FOOT REST AND MAGAZINE RACK
Hans Magnus Juhlin, Houston, Tex.
Application July 28, 1941, Serial No. 102,521
Term of patent 7 years



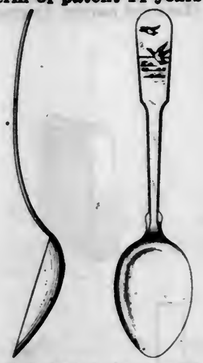
The ornamental design for a combination foot rest and magazine rack, as shown.

129,591
DESIGN FOR A COFFEE MAKER
Richard F. Krause, Massillon, and Onnie Mankki, Cleveland, Ohio, assignors to The Enterprise Aluminum Company, Massillon, Ohio, a corporation of Ohio
Application April 19, 1940, Serial No. 91,778
Term of patent 3½ years



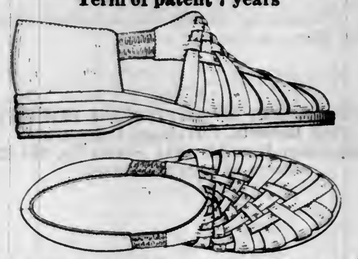
The ornamental design for a coffee maker, as shown and described.

129,592
DESIGN FOR A SPOON OR SIMILAR ARTICLE
George M. Latshaw, Centerville, Md.
Application January 22, 1941, Serial No. 98,272
Term of patent 14 years



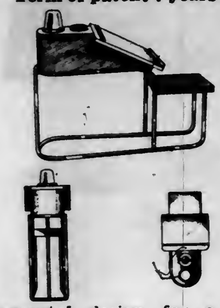
The ornamental design for a spoon or similar article, substantially as shown.

129,593
DESIGN FOR A SHOE
Roy Maling, West Roxbury, Mass.
Application August 9, 1941, Serial No. 102,768
Term of patent 7 years



The ornamental design for a shoe, as shown and described.

129,594
DESIGN FOR A COMBINATION NEWEL POST AND SCORE TABLE FOR BOWLING ALLEYS
Alfred Reiss, Newton, Mass.
Application April 9, 1941, Serial No. 100,262
Term of patent 7 years



The ornamental design for a combination newel post and score table for bowling alleys, as shown.

129,595
DESIGN FOR A NEWEL POST FOR BOWLING ALLEYS
Alfred Reiss, Newton, Mass.
Application April 9, 1941, Serial No. 100,263
Term of patent 7 years



The ornamental design for a newel post for bowling alleys, as shown.

129,596
DESIGN FOR AN ARTIFICIAL BOQUET
Nell Roberts, Cuyahoga Falls, Ohio
Application June 10, 1941, Serial No. 101,376
Term of patent 14 years



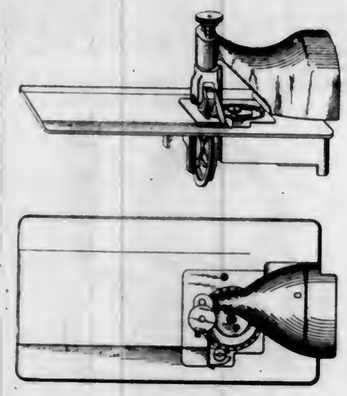
The ornamental design for an artificial boquet, substantially as shown.

129,597
DESIGN FOR A SAND GLASS
Charles P. Shinn, Jr., Freeport, N. Y.
Application October 19, 1940, Serial No. 95,936
Term of patent 7 years



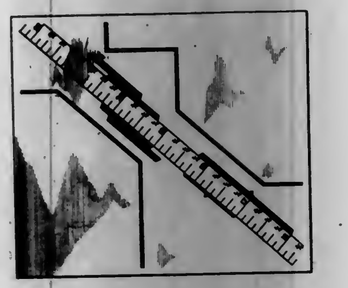
The ornamental design for a sand glass, as shown and described.

129,598
DESIGN FOR A PINKING MACHINE
Victor J. Sigoda, Brooklyn, N. Y.
Application November 4, 1940, Serial No. 96,285
Term of patent 14 years



The ornamental design for a pinking machine, substantially as shown.

129,599
DESIGN FOR AN INDICATING PANEL FOR MANIFOLD VACUUM TESTING MACHINES
William L. Smedley, Grand Rapids, Mich.
Application November 26, 1940, Serial No. 96,849
Term of patent 3½ years



The ornamental design for an indicating panel for manifold vacuum testing machines, substantially as shown and described.

129,600
DESIGN FOR A SOUNDING TOY
Alexander J. Szabo, Port Reading, N. J.
Application May 29, 1941, Serial No. 101,224
Term of patent 3½ years



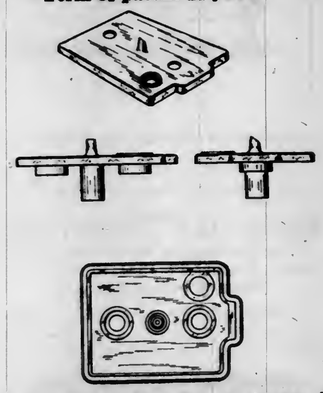
The ornamental design for a sounding toy, substantially as shown.

129,601
DESIGN FOR A RUBBER BOOT
George H. Bingham, Jr., Lincoln, Mass., assignor to Cambridge Rubber Co., Cambridge, Mass., a corporation of Massachusetts
Application July 17, 1941, Serial No. 102,201
Term of patent 3½ years



The ornamental design for a rubber boot, substantially as shown.

129,602
DESIGN FOR A STORAGE BATTERY COVER
Julius J. Demko, Cleveland, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia
Application June 10, 1941, Serial No. 101,379
Term of patent 14 years



The ornamental design for a storage battery cover, substantially as shown.

129,603
DESIGN FOR A SINGLE STRIP HAMPER
William Fein, Jersey City, N. J.
Application July 9, 1941, Serial No. 101,994
Term of patent 3½ years



The ornamental design for a single strip hamper, as shown and described.

129,604
DESIGN FOR A BOTTLE
Charles Forgue, New York, N. Y., assignor to Breakstone Bros., Inc., New York, N. Y., a corporation of Delaware
Application April 4, 1941, Serial No. 100,152
Term of patent 14 years



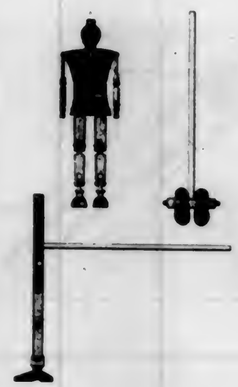
The ornamental design for a bottle, substantially as shown.

129,605
DESIGN FOR A TEXTILE FABRIC
Jack Lieberman, New York, N. Y.
Application August 29, 1941, Serial No. 103,078
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

129,606
DESIGN FOR A DANCING FIGURE TOY
Roy L. Paxton, Decatur, Ill.
Application April 15, 1941, Serial No. 100,395
Term of patent 3½ years



The ornamental design for a dancing figure toy, as shown.

129,607
DESIGN FOR A PANEL FOR AN AMUSEMENT DEVICE
Norman Latimer Roberts, Seventrees, Rotherfield, England
Application May 9, 1940, Serial No. 92,243
In Great Britain December 18, 1939
Term of patent 14 years



The ornamental design for a panel for an amusement device, as shown and described.

129,608
DESIGN FOR A TEXTILE FABRIC
Samuel Bernard Schaeffer, Jackson Heights, N. Y.
Application August 26, 1941, Serial No. 103,032
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

129,609
DESIGN FOR A TEXTILE FABRIC
Samuel Bernard Schaeffer, Jackson Heights, N. Y.
Application August 26, 1941, Serial No. 103,033
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

129,610
DESIGN FOR A BRACELET
Gene Verrecchio, Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application August 8, 1941, Serial No. 102,733
Term of patent 3½ years





The ornamental design for a bracelet, substantially as shown.

129,611
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Gene Verrecchio, Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application August 8, 1941, Serial No. 102,734
Term of patent 3½ years

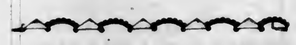




The ornamental design for a brooch or similar article, substantially as shown.

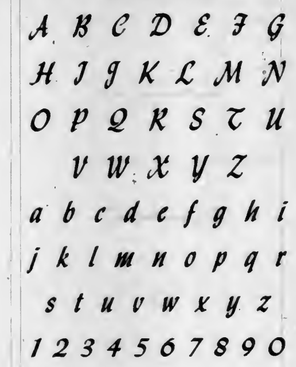
129,612
DESIGN FOR A BRACELET
Gene Verrecchio, Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application August 8, 1941, Serial No. 102,735
Term of patent 3½ years





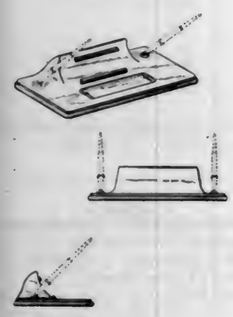
The ornamental design for a bracelet, substantially as shown.

129,613
DESIGN FOR A FONT OF TYPE
Warren Chappell, New York, N. Y., assignor to American Type Founders, Inc., Elizabeth, N. J., a corporation of New Jersey
Application June 23, 1941, Serial No. 101,630
Term of patent 7 years



The ornamental design for a font of type, as shown.

129,614
DESIGN FOR A COMBINATION DESK UNIT
Joseph F. Donaldson, Louisville, Ky., assignor to Adler Manufacturing Co., Incorporated, Louisville, Ky., a corporation of Kentucky
Application July 11, 1941, Serial No. 102,032
Term of patent 7 years



The ornamental design for a combination desk unit, substantially as shown.

129,615
DESIGN FOR A BILL CLIP
Edmond Foret, New York, N. Y., assignor to Cartier, Inc., New York, N. Y., a corporation of New York
Application May 29, 1941, Serial No. 101,222
Term of patent 7 years



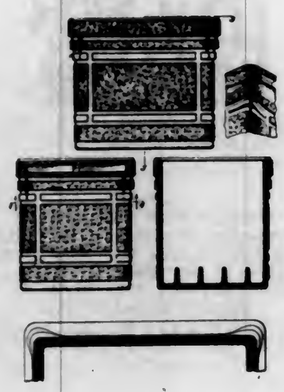
The ornamental design for a bill clip, as shown.

129,616
DESIGN FOR A SHOE
Donelson Caffery Glassie, Chevy Chase, Md.
Application October 1, 1940, Serial No. 95,542
Term of patent 14 years



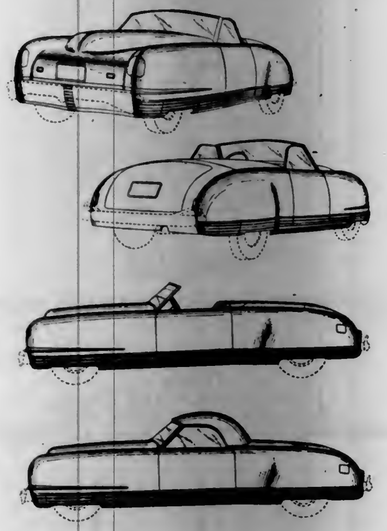
The ornamental design for a shoe, as shown.

129,617
DESIGN FOR A BATTERY BOX
Roland Reppert, Pelham Manor, N. Y., assignor to American Hard Rubber Company, New York, N. Y., a corporation of New York
Application March 6, 1941, Serial No. 99,381
Term of patent 14 years



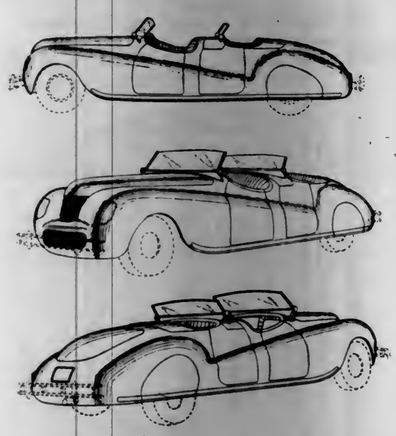
The ornamental design for a battery box, as shown.

129,618
DESIGN FOR AN AUTOMOBILE
Ralph S. Roberts, Grosse Pointe Farms, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application June 28, 1941, Serial No. 101,775
Term of patent 14 years



The ornamental design for an automobile, as shown.

129,619
DESIGN FOR AN AUTOMOBILE
Ralph S. Roberts, Grosse Pointe Farms, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application June 28, 1941, Serial No. 101,776
Term of patent 14 years



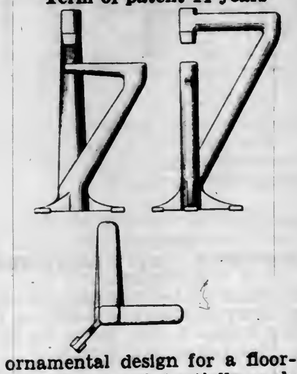
The ornamental design for an automobile, as shown.

129,620
DESIGN FOR AN AIR RIFLE
Walter A. Tratsch, Chicago, Ill.
Application December 21, 1940, Serial No. 97,508
Term of patent 3½ years



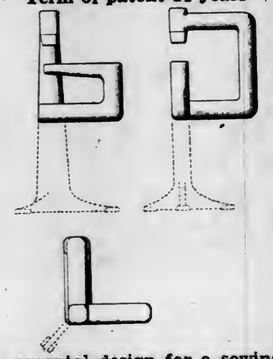
The ornamental design for an air rifle, as shown.

129,621
DESIGN FOR A FLOOR-TYPE SEWING MACHINE FRAME
Norman Wonnacott, Scarsdale, N. Y., assignor to Willcox & Gibbs Sewing Machine Company, New York, N. Y., a corporation of New York
Application February 13, 1491, Serial No. 98,978
Term of patent 14 years



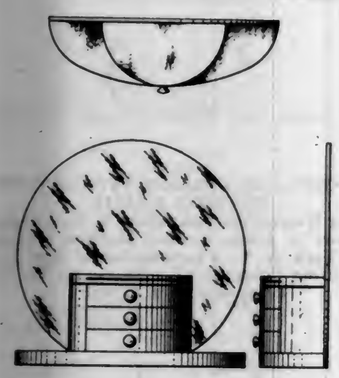
The ornamental design for a floor-type sewing machine frame, substantially as shown.

129,622
DESIGN FOR A SEWING MACHINE FRAME
Norman Wonnacott, Scarsdale, N. Y., assignor to Willcox & Gibbs Sewing Machine Company, New York, N. Y., a corporation of New York
Application February 13, 1941, Serial No. 98,979
Term of patent 14 years



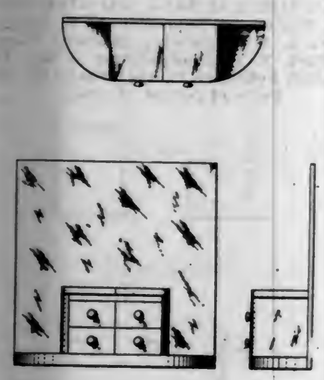
The ornamental design for a sewing machine frame, substantially as shown and described.

129,623
DESIGN FOR A VANITY OR SIMILAR ARTICLE
Nathaniel Neiman Craley, Red Lion, Pa., assignor to Red Lion Furniture Co., Red Lion, Pa.
Application August 2, 1941, Serial No. 102,663
Term of patent 7 years



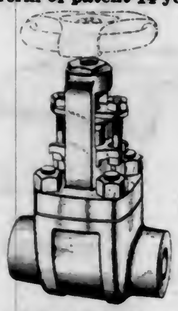
The ornamental design for a vanity or similar article, substantially as shown.

129,624
DESIGN FOR A VANITY OR SIMILAR ARTICLE
Nathaniel Neiman Craley, Red Lion, Pa., assignor to Red Lion Furniture Co., Red Lion, Pa.
Application August 2, 1941, Serial No. 102,664
Term of patent 7 years



The ornamental design for a vanity or similar article, substantially as shown.

129,625
DESIGN FOR A VALVE
Henry Dreyfuss, New York, N. Y., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application April 21, 1941, Serial No. 100,540
Term of patent 14 years



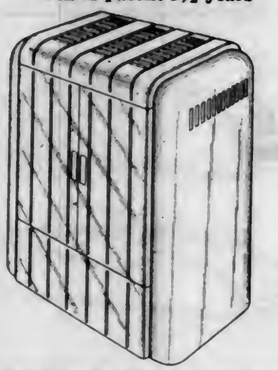
The ornamental design for a valve, substantially as shown and described.

129,626
DESIGN FOR A KEY CASE
Benjamin Stiller, Akron, Ohio
Application April 30, 1941, Serial No. 100,710
Term of patent 14 years



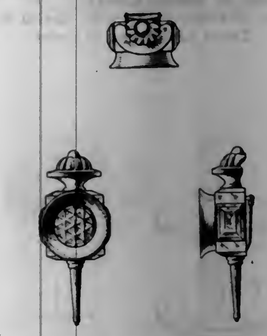
The ornamental design for a key case, substantially as shown and described.

129,627
DESIGN FOR A HEATER CABINET
James Teague, Jr., Kankakee, Ill.
Application June 12, 1940, Serial No. 92,937
Term of patent 3½ years



The ornamental design for a heater cabinet, substantially as shown and described.

129,628
DESIGN FOR A PIN
Irving Apisdorf, New York, N. Y.
Application July 15, 1941, Serial No. 102,152
Term of patent 3½ years



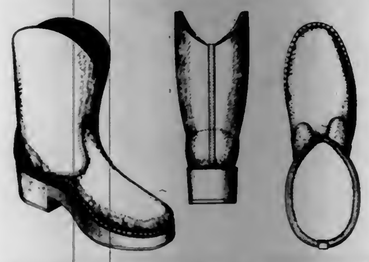
The ornamental design for a pin, substantially as shown.

129,629
DESIGN FOR A PIN
Irving Apisdorf, New York, N. Y.
Application July 15, 1941, Serial No. 102,153
Term of patent 3½ years



The ornamental design for a pin, substantially as shown.

129,630
DESIGN FOR A BOOT
Gus E. Bergman, Columbus, Nebr.
Application June 18, 1941, Serial No. 101,523
Term of patent 14 years



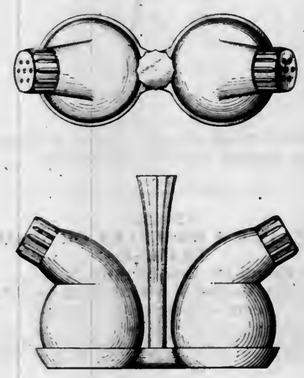
The ornamental design for a boot, as shown.

129,631
DESIGN FOR A CONDIMENT SHAKER
William Henry Bowers, Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application June 5, 1941, Serial No. 101,308
Term of patent 7 years



The ornamental design for a condiment shaker, substantially as shown and described.

129,632
DESIGN FOR A CONDIMENT SHAKER SET
William Henry Bowers, Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application June 5, 1941, Serial No. 101,309
Term of patent 7 years



The ornamental design for a condiment shaker set, substantially as shown.

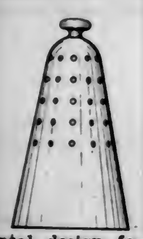
129,633
DESIGN FOR A CONDIMENT SHAKER HOLDER
William Henry Bowers, Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application June 5, 1941, Serial No. 101,310
Term of patent 7 years



The ornamental design for a condiment shaker holder, substantially as shown.

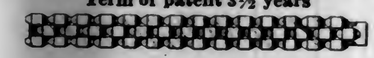
129,634
DESIGN FOR A GENERATOR FOR PRODUCING RADIUM ACTIVITY
Sally C. Bryan, Denver, Colo.
Application May 5, 1941, Serial No. 100,795
Term of patent 14 years





The ornamental design for a generator for producing radium activity, as shown.

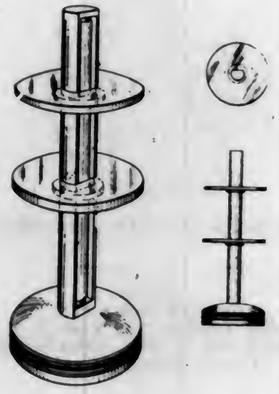
129,635
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
Ralph De Rosa, Bronx, N. Y.
Application August 6, 1941, Serial No. 102,710
Term of patent 3½ years





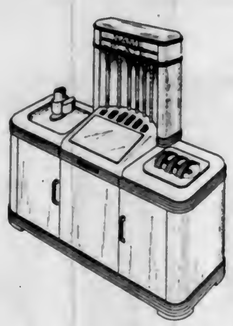
The ornamental design for a bracelet or similar article, substantially as shown and described.

129,636
DESIGN FOR A FLUORESCENT DISPLAY LAMP
Henry Dreyfuss, New York, N. Y., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application November 13, 1940, Serial No. 96,529
Term of patent 7 years



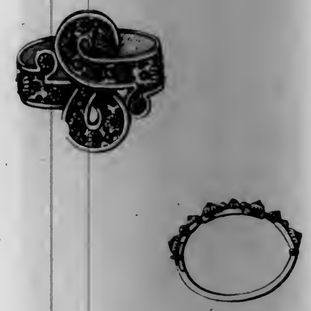
The ornamental design for a fluorescent display lamp, as shown.

129,637
DESIGN FOR A CARBURETOR FLOW TESTING CABINET
Alfred C. Korte, St. Louis, Mo.
Application May 13, 1941, Serial No. 100,918
Term of patent 14 years



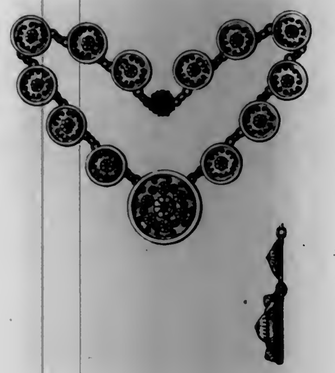
The ornamental design for a carburetor flow testing cabinet, as shown.

129,638
DESIGN FOR A BRACELET OR THE LIKE
Louis C. Mark, Providence, R. I., assignor to Rice-Weiner and Company, Providence, R. I.
Application August 2, 1941, Serial No. 102,665
Term of patent 3½ years



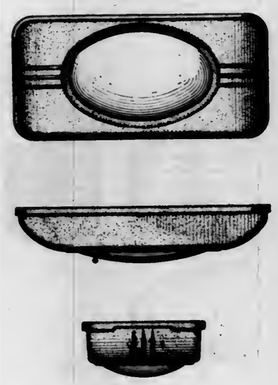
The ornamental design for a bracelet or the like, substantially as shown.

129,639
DESIGN FOR A NECKLACE OR THE LIKE
Louis C. Mark, Providence, R. I., assignor to Rice-Weiner and Company, Providence, R. I.
Application August 2, 1941, Serial No. 102,666
Term of patent 3½ years



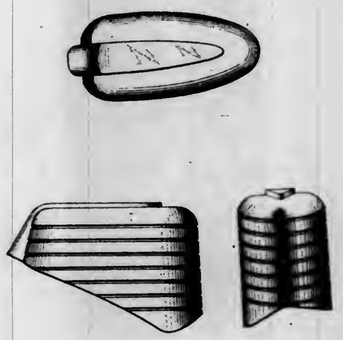
The ornamental design for a necklace or the like, substantially as shown.

129,640
DESIGN FOR A COMBINED GLOBE AND PANEL FOR A LIGHTING FIXTURE
Edward C. Zimmerman and Robert G. Nordquist, Chicago, Ill., assignors to Patent License Corporation, Chicago, Ill., a corporation of Illinois
Application December 11, 1940, Serial No. 97,256
Term of patent 14 years



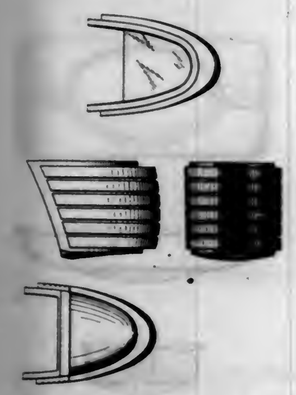
The ornamental design for a combined globe and panel for a lighting fixture, substantially as shown.

129,641
DESIGN FOR A LAMP LENS
Robert Cadwallader, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application December 19, 1940, Serial No. 97,437
Term of patent 7 years



The ornamental design for a lamp lens, substantially as shown.

129,642
DESIGN FOR A LAMP LENS
Robert Cadwallader, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application December 19, 1940, Serial No. 97,439
Term of patent 7 years



The ornamental design for a lamp lens, substantially as shown.

129,643
DESIGN FOR A TEXTILE FABRIC
Marcel Christen, New York, N. Y.
Application August 30, 1941, Serial No. 103,124
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

129,644
DESIGN FOR A TEXTILE FABRIC
Marcel Christen, New York, N. Y.
Application August 30, 1941, Serial No. 103,125
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

129,645
DESIGN FOR A TEXTILE FABRIC
Marcel Christen, New York, N. Y.
Application August 30, 1941, Serial No. 103,126
Term of patent 3½ years



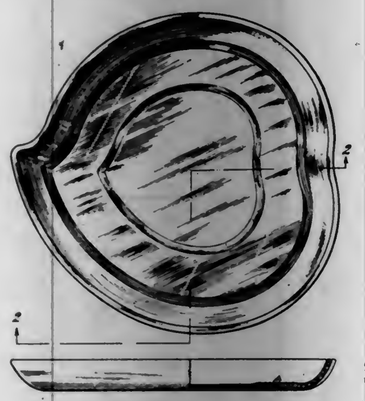
The ornamental design for a textile fabric, substantially as shown and described.

129,646
DESIGN FOR A TEXTILE FABRIC
Marcel Christen, New York, N. Y.
Application August 30, 1941, Serial No. 103,127
Term of patent 3½ years



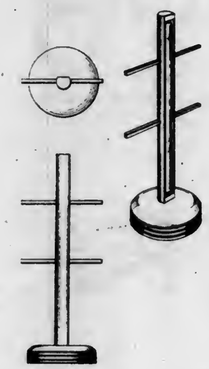
The ornamental design for a textile fabric, substantially as shown.

129,647
DESIGN FOR A GLASS PLATE OR ARTICLE OF SIMILAR NATURE
Albert J. Dreitzer, New York, N. Y., assignor to Pitman-Dreitzer & Company, Inc., New York, N. Y., a corporation of New York
Application April 17, 1941, Serial No. 100,476
Term of patent 7 years



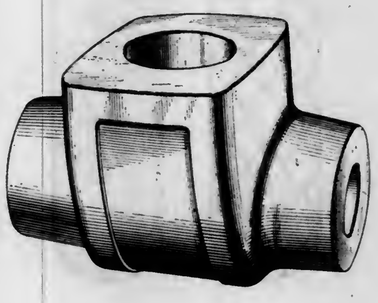
The ornamental design for a glass plate or article of similar nature, substantially as shown.

129,648
DESIGN FOR AN ILLUMINATED DISPLAY STAND
Henry Dreyfuss, New York, N. Y., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application September 16, 1940, Serial No. 95,096
Term of patent 7 years



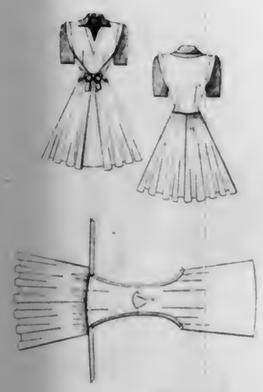
The ornamental design for an illuminated display stand, as shown.

129,649
DESIGN FOR A VALVE CASING OR THE LIKE
Henry Dreyfuss, New York, N. Y., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application April 21, 1941, Serial No. 100,541
Term of patent 14 years



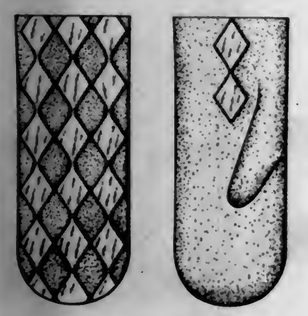
The ornamental design for a valve casing or the like, substantially as shown and described.

129,650
DESIGN FOR A DRESS
Helen E. Foss, New York, N. Y.
Application August 20, 1941, Serial No. 102,955
Term of patent 3½ years



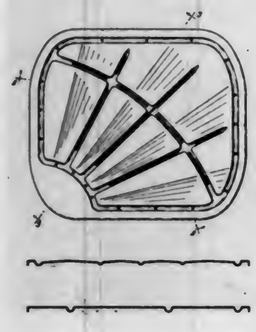
The ornamental design for a dress, substantially as shown.

129,651
DESIGN FOR A MITTEN
Benjamin Ginsberg, New York, N. Y.
Application July 23, 1941, Serial No. 102,391
Term of patent 7 years



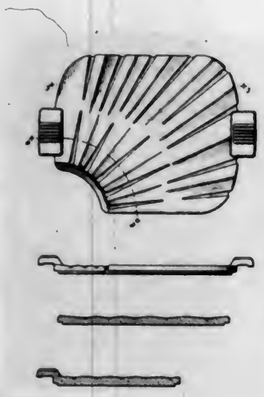
The ornamental design for a mitten, as shown.

129,652
DESIGN FOR A BROILER GRILL
John F. Hennessy, Rockford, Ill., assignor to Geo. D. Roper Corporation, Rockford, Ill., a corporation of Illinois
Application June 9, 1941, Serial No. 101,352
Term of patent 14 years



The ornamental design for a broiler grill, substantially as shown.

129,653
DESIGN FOR A BROILER GRILL
John F. Hennessy, Rockford, Ill., assignor to Geo. D. Roper Corporation, Rockford, Ill., a corporation of Illinois
Application June 9, 1941, Serial No. 101,353
Term of patent 14 years



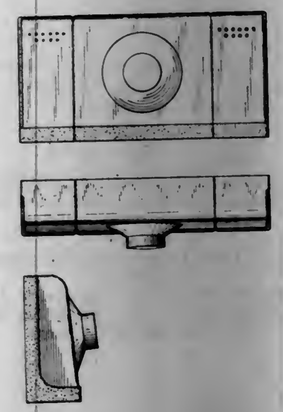
The ornamental design for a broiler grill, substantially as shown.

129,654
DESIGN FOR A LAPEL CLIP OR SIMILAR ARTICLE
Christian Arpad Jakobb, Bayside, Long Island, N. Y.
Application August 19, 1941, Serial No. 102,939
Term of patent 3½ years



The ornamental design for a lapel clip or similar article, substantially as shown.

129,655
DESIGN FOR A COMBINED RANGE TIMER AND CONDIMENT HOLDER
Hugo W. Kruse, Rockford, Ill., assignor to Geo. D. Roper Corporation, Rockford, Ill., a corporation of Illinois
Application April 16, 1941, Serial No. 100,417
Term of patent 7 years



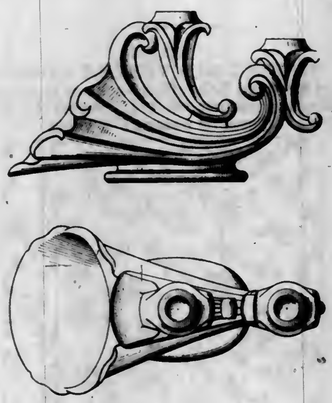
The ornamental design for a combined range timer and condiment holder, substantially as shown and described.

129,656
DESIGN FOR A CONDIMENT HOLDER
Hugo W. Kruse, Rockford, Ill., assignor to Geo. D. Roper Corporation, Rockford, Ill., a corporation of Illinois
Application April 16, 1941, Serial No. 100,418
Term of patent 7 years



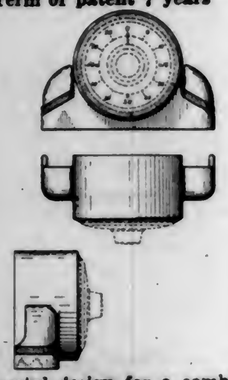
The ornamental design for a condiment holder, substantially as shown and described.

129,657
DESIGN FOR A COMBINED VASE AND CANDLE HOLDER OR SIMILAR ARTICLE
Wilbur L. Orme, Cambridge, Ohio
Application August 8, 1941, Serial No. 102,740
Term of patent 14 years



The ornamental design for a combined vase and candle holder or similar article, substantially as shown.

129,658
DESIGN FOR A COMBINED RANGE TIMER AND CONDIMENT HOLDER
Elmer D. Pellegrin, Woodstock, Ill., assignor to Geo. D. Roper Corporation, Rockford, Ill., a corporation of Illinois
Application April 14, 1941, Serial No. 100,371
Term of patent 7 years



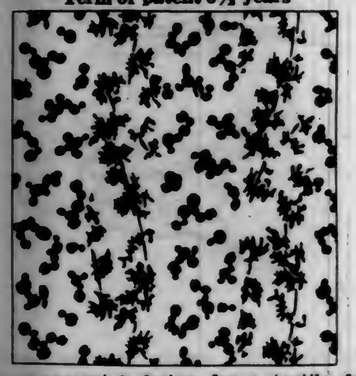
The ornamental design for a combined range timer and condiment holder, substantially as shown and described.

129,659
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application March 10, 1941, Serial No. 99,467
Term of patent 3½ years



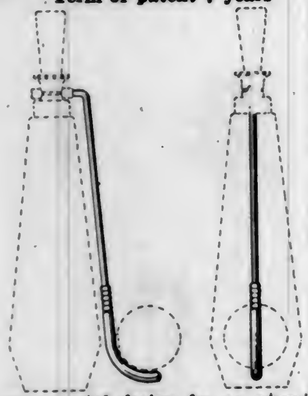
The ornamental design for a pin clip, as shown.

129,660
DESIGN FOR A TEXTILE FABRIC
Samuel Bernard Schaeffer, Jackson Heights, N. Y.
Application August 26, 1941, Serial No. 103,034
Term of patent 3½ years



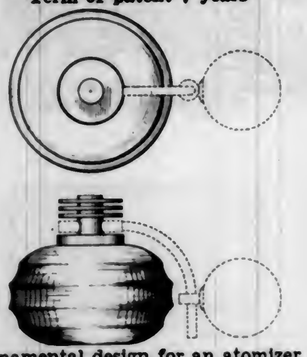
The ornamental design for a textile fabric, substantially as shown.

129,661
DESIGN FOR AN ATOMIZER
Frederic A. Vuillemenot, Toledo, Ohio, assignor to The De Vilbiss Company, Toledo, Ohio, a corporation of Ohio
Application June 27, 1941, Serial No. 101,752
Term of patent 7 years



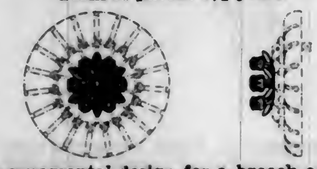
The ornamental design for an atomizer, substantially as shown and described.

129,662
DESIGN FOR AN ATOMIZER OR THE LIKE
Frederic A. Vuillemenot, Toledo, Ohio, assignor to The De Vilbiss Company, Toledo, Ohio, a corporation of Ohio
Application July 2, 1941, Serial No. 101,859
Term of patent 7 years



The ornamental design for an atomizer or the like, substantially as shown and described.

129,663
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Harold Weiner, Providence, R. I.
Application July 31, 1941, Serial No. 102,611
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

129,664
DESIGN FOR A TEXTILE FABRIC
Isidor Weinstein, New York, N. Y.
Application August 29, 1941, Serial No. 103,081
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

129,665
DESIGN FOR A DRESS
Camille Charles, New York, N. Y.
Application August 30, 1941, Serial No. 103,093
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,666
DESIGN FOR A DRESS
Camille Charles, New York, N. Y.
Application August 30, 1941, Serial No. 103,094
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,667
DESIGN FOR A DRESS
Lucy Hoshafian, New York, N. Y.
Application August 30, 1941, Serial No. 103,112
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,668
DESIGN FOR A DRESS
Lucy Hoshafian, New York, N. Y.
Application August 30, 1941, Serial No. 103,113
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,669
DESIGN FOR A DRESS
Samuel Kuznetz, New York, N. Y.
Application July 15, 1941, Serial No. 102,140
Term of patent 3½ years



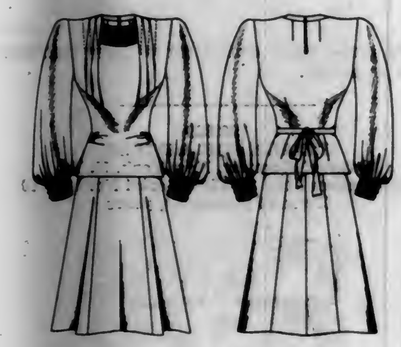
The ornamental design for a dress, substantially as shown.

129,670
DESIGN FOR A DRESS
Julia Richards, Brooklyn, N. Y.
Application September 5, 1941, Serial No. 103,162
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,671
DESIGN FOR A DRESS
Julia Richards, Brooklyn, N. Y.
Application September 5, 1941, Serial No. 103,163
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,672
DESIGN FOR A DRESS
Bert Roth, New York, N. Y.
Application August 30, 1941, Serial No. 103,105
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,673
DESIGN FOR A DRESS
David R. Sadowsky, New York, N. Y.
Application August 30, 1941, Serial No. 103,086
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,674
DESIGN FOR A DRESS
Gloria Schulman, New York, N. Y.
Application August 30, 1941, Serial No. 103,108
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,675
DESIGN FOR A DRESS
Malvina Wolff, New York, N. Y.
Application August 30, 1941, Serial No. 103,109
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,676
DESIGN FOR A DRESS
Ben Axelrad, New York, N. Y.
Application August 30, 1941, Serial No. 103,110
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

129,677
DESIGN FOR A DRESS
Marie Brucato, New York, N. Y.
Application August 30, 1941, Serial No. 103,098
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,678
DESIGN FOR A DRESS
Camille Charles, New York, N. Y.
Application August 30, 1941, Serial No. 103,092
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,679
DESIGN FOR A DRESS
Elizabeth M. Ciccone, New York, N. Y.
Application August 27, 1941, Serial No. 103,048
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,680
DESIGN FOR A DRESS
Elizabeth Cutler, New York, N. Y.
Application August 30, 1941, Serial No. 103,095
Term of patent 3½ years



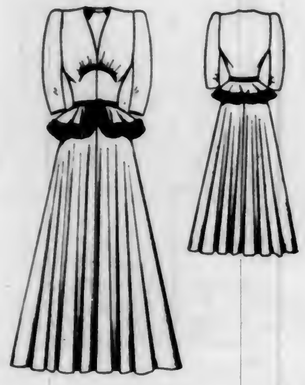
The ornamental design for a dress, substantially as shown.

129,681
DESIGN FOR A DRESS
Elizabeth Cutler, New York, N. Y.
Application August 30, 1941, Serial No. 103,096
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,682
DESIGN FOR A DRESS
Elizabeth Cutler, New York, N. Y.
Application August 30, 1941, Serial No. 103,097
Term of patent 3½ years



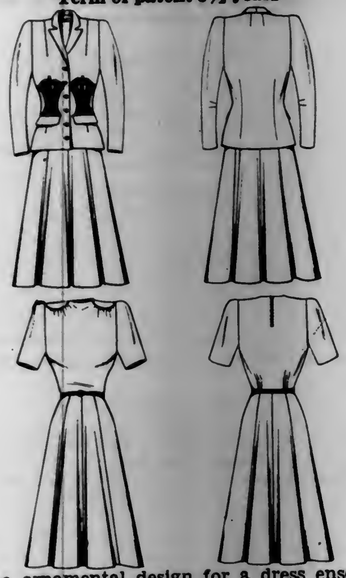
The ornamental design for a dress, substantially as shown.

129,683
DESIGN FOR A DRESS
Theresa Fritz, New York, N. Y.
Application August 30, 1941, Serial No. 103,107
Term of patent 3½ years



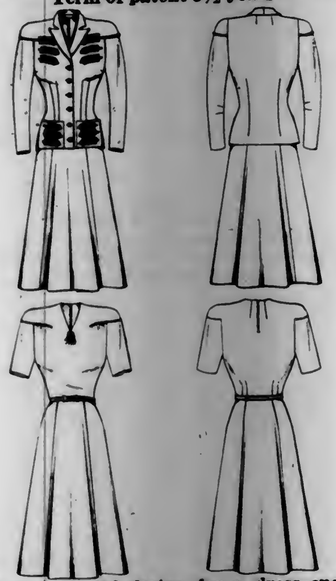
The ornamental design for a dress, substantially as shown.

129,684
DESIGN FOR A DRESS ENSEMBLE
Abe Gershuny, New York, N. Y.
Application August 30, 1941, Serial No. 103,103
Term of patent 3½ years



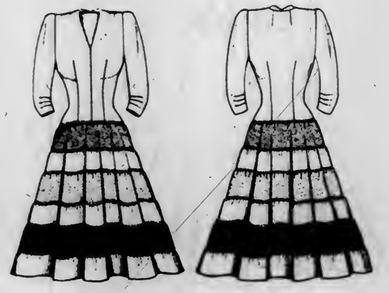
The ornamental design for a dress ensemble, substantially as shown.

129,685
DESIGN FOR A DRESS ENSEMBLE
Abe Gershuny, New York, N. Y.
Application August 30, 1941, Serial No. 103,104
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

129,686
DESIGN FOR A DRESS
Jack Goldman, New York, N. Y.
Application August 30, 1941, Serial No. 103,099
Term of patent 3½ years



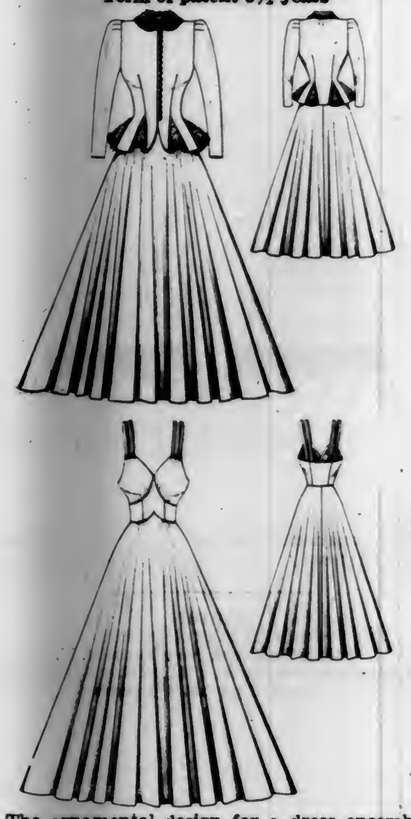
The ornamental design for a dress, substantially as shown.

129,687
DESIGN FOR A DRESS
Irving Goldstein, New York, N. Y.
Application August 30, 1941, Serial No. 103,123
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,688
DESIGN FOR A DRESS ENSEMBLE
Aline Henry, New York, N. Y.
Application August 30, 1941, Serial No. 103,106
Term of patent 3½ years



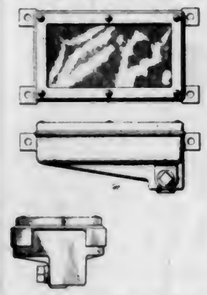
The ornamental design for a dress ensemble, substantially as shown.

129,689
DESIGN FOR A DRESS
Lucy Hoshafian, New York, N. Y.
Application August 30, 1941, Serial No. 103,111
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,690
DESIGN FOR A DRIP COLLECTOR FOR MARINE CARBURETORS OR THE LIKE
Frederick Kraissl, Jr., Hackensack, N. J.
Application January 17, 1941, Serial No. 98,152
Term of patent 3½ years



The ornamental design for a drip collector for marine carburetors or the like, substantially as shown.

129,691
DESIGN FOR A DRESS
Max Lynn, New York, N. Y.
Application August 30, 1941, Serial No. 103,087
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,692
DESIGN FOR A DRESS
Albert Ruchman, New York, N. Y.
Application August 30, 1941, Serial No. 103,088
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,693
DESIGN FOR A DRESS
Albert Ruchman, New York, N. Y.
Application August 30, 1941, Serial No. 103,089
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,694
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application August 30, 1941, Serial No. 103,100
Term of patent 3½ years



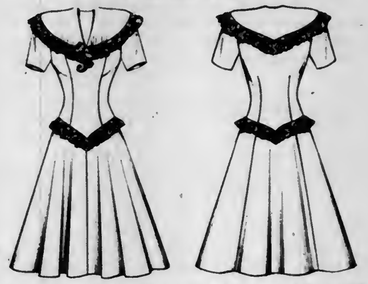
The ornamental design for a dress, substantially as shown.

129,695
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application August 30, 1941, Serial No. 103,101
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,696
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application August 30, 1941, Serial No. 103,102
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

Patents Nos. 2,257,086 to 2,257,722

THE

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September 30, 1941

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T. M. Renewals	45	
Reissues	10—No. 21,907 to No. 21,916,	inclusive.
Patents	637—No. 2,257,086 to No. 2,257,722,	inclusive.
Designs	99—No. 129,697 to No. 129,795,	inclusive.
Total	1,000	

Erratum

Page 805 of OFFICIAL GAZETTE of August 26, 1941, second column, line 10 from bottom of page, in the citation for In re Roberts, for "263 Fed. 636" read *263 Fed. 646*.

Transfer of Subclasses

ORDER No. 3565

U. S. PATENT OFFICE, *Washington, D. C., Sept. 17, 1941.*

The following transfer, effective Wednesday, October 1, 1941, is hereby ordered:

Subclasses 3–32, 124–285, 288–311, of class 106, from Division 38 to Division 64.

CONWAY P. COE,
Commissioner.

Adjudicated Patents

(C. C. A. Ohio.) Hoyt patent, No. 1,508,394, for fastening-inserting machine, claims 19 and 21 *Held* invalid. *Williams Mfg. Co.* v. *United Shoe Mach. Corporation*, 121 F.(2d) 273.

(C. C. A. Ohio.) McFeely patent, No. 1,558,737, for lasting machine, claims 6, 23, 42, 85, and 91 *Held* valid and infringed. *Id.*

(C. C. A. N. Y.) Heiniger patent, No. 1,658,678, for automatic pressure retaining and sustaining valve for air-brake systems, claim 10 *Held* not infringed. *Richard Irvin & Co.* v. *Westinghouse Air Brake Co.*, 121 F.(2d) 429.

(C. C. A. Pa.) Schuda patent, No. 1,709,098, for wringer, claim 1 *Held* not infringed and claims 9 and 10 *Held* invalid. *Etten* v. *Kauffman*, 121 F.(2d) 137.

(C. C. A. Ill.) Rudd patent, No. 1,785,326, for method of and apparatus for utilizing phase-changeable material, *Held* invalid. *Carbo-Frost, Inc.*, v. *Stanley Knight Corporation*, 121 F.(2d) 576.

(C. C. A. Mo.) Camp patent, No. 1,793,673, for resilient traffic guard, claims 5 to 13 *Held* valid and infringed. *Laclede Steel Co.* v. *Camp*, 121 F.(2d) 449.

(C. C. A. Calif.) Shoemaker patent, No. 1,878,989, for hand luggage, claims 4, 8, 10, 11, 12, 19, 23, 24, 26, and 27 *Held* not infringed. *L. McBrine Co.* v. *Silverman*, 121 F.(2d) 181.

(D. C. Md.) Young patent, No. 1,928,748, for concrete floor construction, claims 2, 4, 6, and 7, *Held* invalid. *Young* v. *John McShain, Inc.*, 39 F. Supp. 521.

(D. C. Md.) Young patent, No. 1,938,887, for concrete floor structure, claims 4, 5, and 8 *Held* invalid. *Id.*

(C. C. A. Calif.) Keel patent, No. 1,984,585, for hair waving apparatus, *Held* invalid and if valid infringed. *U. S. Appliance Corporation* v. *Beauty Shop Supply Co.*, 121 F.(2d) 149.

(D. C. Mass.) Trebler patent, No. 2,001,555, for device for irradiation of milk with ultra-violet rays, claims 1 and 4 *Held* invalid. *Hanovia Chemical & Mfg. Co.* v. *David Buttrick Co.*, 39 F. Supp. 646.

(C. C. A. Ind.) Uecker patent, No. 2,043,498, for scaffold, claims 2, 5, 11, 15, and 17 *Held* valid and not infringed. *Safway Steel Scaffolds Co. of Wisconsin* v. *Steel Scaffolding Co.*, 121 F.(2d) 443.

(C. C. A. Wis.) Corser patent, No. 2,117,300, for rock crushing machine, *Held* invalid and not infringed. *Diamond Iron Works* v. *Wisconsin Foundry & Machine Co.*, 121 F.(2d) 363.

(D. C. N. Y.) Lehmann design patent, No. 86,245, for glowing crucifix lamp, *Held* invalid. *Lehmann* v. *Aerolux Light Corporation*, 39 F. Supp. 612.

(D. C. N. Y.) Lehmann design patent, No. 86,246, for glowing emblem, *Held* invalid. *Id.*

(D. C. N. Y.) Sobelman design patent, No. 110,060, for a design for a dress, *Held* invalid and if valid infringed. *Mary Muffet, Inc.*, v. *Loma Dress Co.*, 39 F. Supp. 415.

(D. C. N. Y.) Sobelman design patent, No. 111,481, for design for a dress, *Held* invalid and if valid infringed. *Id.*

Condition of Applications Under Examination at Close of Business September 13, 1941

(Total number of applications awaiting action, excluding Trade-Mark Division, 45,121; Trade-Mark Division, 1,164. Oldest new case, Dec. 6, 1940; oldest amended, Dec. 16, 1940.)
(The dates given are 1941 except where † indicates 1940)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action	Oldest amended application awaiting office action	No. of applications awaiting action
		New	Amended	
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Feb. 8	Feb. 12	747
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	May 5	Apr. 15	532
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	July 1	July 1	486
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating, Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	May 29	May 31	580
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Apr. 16	Apr. 14	502
4896 C	6. LEWERS, A. M., Carbon Chemistry (part)	Feb. 17	Feb. 26	1137
5725	7. JARBOE, C. G., Optics; Photography	Mar. 20	Mar. 13	1006
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	Mar. 24	Mar. 12	904
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Apr. 11	Apr. 14	585
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Apr. 2	Apr. 2	576
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	May 21	May 20	421
7701	12. SPINTMAN, SAMUEL (Act.), Machine Elements; Mechanical Starters; Stop Mechanism	Apr. 16	Apr. 10	640
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Feb. 10	Feb. 17	598
5097	14. FREEHOF, H. B. (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	May 17	May 16	522
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Mar. 24	Mar. 22	1115
5716	16. SPENCER, C. J., Telegraphy; Telephony	Apr. 26	Apr. 18	497
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	May 9	May 8	663
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Mar. 31	Apr. 7	397
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Mar. 31	Apr. 7	774
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Mar. 27	Mar. 27	487
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	May 16	May 20	316
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	†Dec. 18	†Dec. 19	1364
7624	23. BUTTNER, W. J., Registers (part)	Jan. 30	Jan. 6	261
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Apr. 10	Apr. 22	873
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	May 7	May 9	539
5993	26. YOUNG, R. R., Electricity, Generation; Motive Power	May 21	May 13	410
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	Apr. 7	Apr. 16	551
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Elements; Cylinders and Pistons	Apr. 24	Apr. 7	376
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	Mar. 15	Mar. 20	797
4083	30. McCANN, L. P., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	May 14	May 15	433
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Mar. 25	Mar. 25	1456
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Mar. 28	Mar. 31	922
6096	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads.	Apr. 8	Apr. 7	1088
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Surface Track; Track Sanders; Draft Appliances; Signals and Indicators.	Feb. 5	Feb. 5	528
3876	35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Portable Receptacles	Mar. 12	Mar. 13	1019
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Apr. 8	Apr. 2	560
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Apr. 30	Apr. 29	602
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	†Dec. 6	†Dec. 16	1360
4878	39. WHITNEY, F. L., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	May 24	May 29	470
7880	40. DRUMMOND, E. J., Metallic, Wood, Paper, and Special Receptacles	Feb. 28	Feb. 28	1772
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Apr. 14	Apr. 21	535
5882	42. CUTTING, H. O., Electric Signaling	May 23	May 3	322
4886 B	43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Apr. 1	Apr. 12	655
4087 B	44. HARVEY, L. P., Refrigeration	Mar. 8	Mar. 15	586
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	May 22	June 14	307
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Mar. 17	Mar. 19	821
6082	47. KANOF, W. J., Clutches; Brakes	May 12	Apr. 21	427
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	May 5	May 8	555
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Mar. 14	Mar. 10	748
4701	50. LEVIN, S., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	Mar. 14	Mar. 14	1324
5628	51. BACKUS, C. D., Radiant Energy (part)	June 25	June 24	438
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Apr. 5	Apr. 15	620
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Feb. 10	Feb. 10	716
5883	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	May 26	May 12	390
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	May 1	Apr. 30	325
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	Feb. 15	Feb. 15	1256
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	Feb. 14	June 9	187
5005	58. DOWELL, E. F., Abrading; Bottles and Jars	Apr. 1	Mar. 5	532
4709	59. SHEPPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	Mar. 10	Mar. 13	1109
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Apr. 21	May 29	410
6724	61. YUNGKWAI, B., Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Feb. 17	Feb. 17	659
5621	62. PUGH, E. C., Games; Geometrical Instruments	May 26	May 5	598
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	Mar. 1	Mar. 1	1142
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	June 11	June 11	626
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	June 7	June 5	466
099 B	Trade-Marks: F. A. RICHMOND	Aug. 6	Aug. 18	1,164
2605	Designs: H. H. KALUPY	Aug. 8	Aug. 13	501

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

KENYON *v.* CRANE

No. 4,400. Decided June 9, 1941

[120 F.(2d) 389]

1. INTERFERENCE—COUNTS—INTRODUCTORY CLAUSE.

The clause, "A directional indicator for aircraft showing the direction and amount of deviation from course," in counts *Held* an essential element of the invention defined by the counts and not merely introductory for the purpose of explaining the environment in which the other structural elements of the counts are designed to be used.

2. SAME—PRIORITY.

Record reviewed and *Held* that counts 3 and 4 are not readable upon the application of the senior party K, and that priority as to these counts properly was awarded to the junior party C.

APPEAL from Patent Office. Affirmed.

GARRETT, *P. J.*, and HATFIELD, *J.*, dissenting.

Mr. Ernest F. Wenderoth (*Mr. Herbert H. Thompson* and *Mr. Paul B. Hunter* of counsel) for Kenyon.

Mr. J. F. Mothershead (*Mr. Frank H. Harmon* of counsel) for Crane.

LENROOT, *J.*:

This is an appeal in an interference proceeding from the decision of the Board of Appeals of the United States Patent Office reversing the decision of the Examiner of Interferences awarding priority of invention of the subject matter defined in the two counts in issue—Nos. 3 and 4—to appellant Theodore W. Kenyon.

The interference is between appellant's application, Serial No. 736,566, filed July 23, 1934, and appellee's application, Serial No. 9,689, filed March 6, 1935.

The invention defined in the counts in issue relates to a directional indicator for aircraft.

The interference, as originally declared, consisted of four counts, reading as follows:

Count 1. In a flight instrument for aircraft the combination of means for indicating a turn of the craft, an air driven turbine for actuating said indicating means and means responsive to rate of turn for regulating the air drive of the turbine to actuate said indicating means whereby the latter indicates the rate of turn integrated with respect to time.

Count 2. In a flight instrument for aircraft the combination of means for indicating a turn of the craft, a turbine for operating said indicating means, air jet means for driving the turbine, and gyroscopically controlled means responsive to rate of turn for regulating the air jet drive of the turbine.

Count 3. A directional indicator for aircraft showing the direction and amount of deviation from course, comprising a constrained gyroscope mounted for precession through an angle proportional to the rate of turn of the craft, a fluid driven indicator and fluid actuated means controlled by the precessional position of said gyroscope for turning said indicator at a rate and direction proportional to the extent of precession of said gyroscope, whereby said indicator shows the amount of course change.

Count 4. A directional indicator for aircraft showing the direction and amount of deviation from course, comprising a constrained gyroscope mounted for precession through an angle proportional to the rate of turn of the craft, an air turbine, air flow means adapted to drive the same in either direction at variable rates, and means turned by the precession of said gyroscope governing said flow means to drive said turbine at a rate and direction proportional to the extent of precession thereof, and an indicator actuated by said turbine.

Counts 1 and 2 originated in appellee's application, and counts 3 and 4 in appellant's application.

After the interference was declared, another count (No. 5) was added on motion of appellant, reading as follows:

Count 5. An aircraft flight instrument comprising a turn indicating member, an air driven turbine operatively connected to the member for actuating the member, means for pneumatically driving the turbine, gyroscopically controlled means responsive to rate of turn for regulating the pneumatic drive according to the right and left turn of the supporting aircraft, and means magnetically damping the turbine, whereby to actuate the turn indicator for designating degree of turn.

As to this count judgment on the record was entered against appellee, from which no appeal was taken by him to the Board of Appeals.

It will be observed that counts 1 and 2 are limited to a device for "indicating a turn of the craft," while counts 3 and 4 embrace a "directional indicator for aircraft showing the direction and *amount* of deviation from course." [Italics ours.]

Appellee is the junior party, and the burden was upon him to establish priority of invention by a preponderance of the evidence.

Counsel for appellee moved to dissolve the interference as to counts 3 and 4 on the ground that appellant had no right to make the claims constituting the counts in issue. The motion was denied by the Primary Examiner.

Considerable evidence was introduced by the parties, some of which was directed to the issue of the right of appellant to make the claims constituting the counts in issue. The Examiner of Interferences, however, declining to pass upon that issue, stated in his decision that as the Primary Examiner had held that appellant's application disclosed the subject matter defined in the counts here involved and as no "additional evidence or arguments" were "before the Examiner of Interferences other than those previously presented" he was precluded by the provisions of rule 130 of the Rules of Practice in the United States Patent Office from considering and deciding that issue. After reviewing the evidence, the Examiner of Interferences apparently held that appellee was the first to conceive the invention but that he had failed to establish an actual reduction to practice, and that as he had not established diligence in reducing the invention to practice at the time appellant filed his application, July 23, 1934, appellant was entitled to an award of priority of invention of the subject matter defined by the counts then in issue.

On appeal the Board of Appeals affirmed the decision of the Examiner awarding to appellant priority of invention of the subject matter of counts 1 and 2, and reversed his decision with respect to counts 3 and 4, the ground of such reversal being that appellant's application does not disclose the subject matter defined in said last named counts. From the decision of the Board with respect to counts 3 and 4 appellant took the appeal before us.

The sole issue before us, as stated by counsel for each of the parties, is whether the counts are readable on appellant's disclosure. If they are, the decision of the Board of Appeals should be reversed. If they are not, the decision should be affirmed.

It was the contention of counsel for appellee before the Primary Examiner and the Board of Appeals, and it is their contention here, that appellant does not disclose in his application "A directional indicator for aircraft *showing the* * * * *amount* of deviation from course," as called for by each of the involved counts. [Italics ours.]

It is not contended here that appellant's application does not disclose the other structural elements defined in the counts in issue.

It is stated in appellant's application that the instrument disclosed therein is intended to aid the pilot of an airplane in "blind flying" by indicating any turning movement of the craft from its normal course, and that for this purpose appellant discloses an illuminated screen so arranged with other structural elements that an image in the form of "checkered squares" is projected upon the screen, which image is normally stationary; that is, it is stationary until a turning movement of the aircraft occurs.

The details of appellant's device need not be set forth here. It is sufficient to say that the image is projected upon the illuminated screen by the use of an

"interrupted surface located in the path of light which illuminates the screen."

The "interrupted surface" is "in the form of a peripheral toothed disk," every fifth tooth on the disk being "foreshortened" to cause an "interruption of the image or a darkening" of the series of checkered squares on the screen. When the aircraft deviates either to the right or left of its normal course, the image is instantly animated and passes across the screen so as to "visually indicate to the pilot the occurrence of a change or deviation from the course." Appellant states in his application that as

"this movement is comparable in its rate to the rate of turn, the pilot is enabled *to determine* by watching the movement of the image the approximate extent to which the turning movement has changed the course of the ship and generally locate his position thereby." [Italics not quoted.]

When the ship has been turned back to its normal course, the image on the screen again becomes stationary. Appellant also states in his application that

"In all cases where blind flying is required due to lack of visibility, this ability to determine the extent of any turning movement is important. This is particularly true in approaching a landing field, where the general position of the craft with respect to the field may be located by a two-way radio. Appropriate directions from the field coupled with the indication of position afforded by the image, affords the pilot sufficient information to in all probability make a successful landing, even in those cases where there is a total lack of visibility. * * * *By observing the image and coordinating the number of interruptions which traverse the screen, he [the pilot] can readily estimate the extent to which the turning movement has altered the original direction of the craft. Obviously the number of interruptions corresponding to any given angle of turn would depend on the adjustment of the instrument and the number of toothed spaces at which interruptions occur.* With the number of interruptions which correspond to any given angle [of turn] once determined, however, the instrument functions to provide a sufficiently accurate measure of the turning movement." [Italics ours.]

It is further explained in appellant's application that the movement of the toothed disks or image across the screen corresponds to the rate of turn and that by counting "the number of interrupted squares which pass before him" the pilot "can readily gauge the amount of the turning movement" of the aircraft.

It is apparent from appellant's application and from the evidence of record that appellant's instrument may be so adjusted that as each of the foreshortened teeth passes across the screen and causes an interruption of the image thereon, a ten degree turn is indicated. It is also apparent from appellant's application and from the evidence of record that it is necessary in the use of appellant's instrument that the pilot watch the image on the screen in order that he may be informed that his craft is turning from its normal course, and that he must at least count the number of "foreshortened" teeth passing across the screen in order that he may be informed as to the amount of deviation from his course. However, if the instrument is accurately adjusted, it is evident that by observing the image on the screen and counting the number of interrupted squares which pass across the screen, the pilot is informed as to the amount of deviation from course as well as the direction.

That appellant's application discloses an instrument showing the direction of deviation from course, is not questioned here.

In his decision holding that appellant's application discloses a directional indicator for aircraft which shows the amount of deviation from course, the Primary Examiner said:

From a reading of the Kenyon specification it is obvious that the mutually normal, interrupted bars of light thrown upon the screen by the projector and interposed toothed discs constitute indications and that the number of said bars crossing the field of view during a given turn is proportional to the angular extent of said turn. On page 13, line 18 et seq. of his application Kenyon explains that "By watching the movement of the image and counting the number of such interruptions which pass across the screen, the pilot can readily estimate the extent to which the craft has been turned from its original course at any given instant."

As this statement is thought substantially correct, it is believed unnecessary to satisfy the terms of the counts, that Kenyon be required to show graduations on the teeth 144 or adjacent the field of view thereof. It is sufficient if the pilot can determine the turn, to a degree of accuracy, by noting the number of tooth shadows passing across the field of view. For these reasons it follows that Crane's motion to dissolve must be and accordingly is, denied.

In its decision holding that appellant's application did not disclose a directional indicator for aircraft showing the amount of deviation from course, the Board of Appeals said:

Claims 24 and 25 of Kenyon, corresponding to counts 3 and 4, were introduced by amendment C into the Kenyon application one day before the Crane application was filed. By amendment D it is clear that Kenyon's position is that the image is the indicator. The image is apparently one of a series of checkered squares referred to in amendment D2 and in Kenyon's brief as vertical black and white bars. Certain of these squares are interrupted at regular intervals and by watching the number of the interruptions which pass across the screen, the pilot can estimate the angle of turn.

Kenyon's so-called indicator or image *does not make or provide a mark, record or sign to indicate the position of the craft relative to a course.* The position of the craft can only be estimated, because with Kenyon's arrangement no zero point of reference is possible. There was something said at the hearing of using element 186 as a reference point. Kenyon's application on which the claims must be based makes no such contention, but even if 186 were used as a zero point, there is no zero image to go with it.

In brief, counts 3 and 4 cannot be read on the Kenyon application disclosure. Kenyon's exhibits do not change the situation as to his right to make the counts nor does Kenyon's argument that Crane cannot make the counts.

The question of Crane's right to make the counts is not before us but we might state that Crane does show a reference line 55 for reading off degrees of the compass card. Saunier's testimony (XQ.'s 112 and 113, pages 64 and 65, Crane's Record) refers to a change in Exhibit 12 *which probably would permit an indication of the amount of deviation from course.* [Italics ours.]

The Board was mistaken as to the time appellant made claims corresponding to counts 3 and 4. They were made nearly one year after appellee's application was filed, but we deem this fact to be immaterial as there is no suggestion that at the time of filing said amendment appellant had any knowledge of appellee's application.

Appellee's directional indicator differs materially from that of appellant. It comprises an indicating dial and, among other things, a rotatable calibrated disc, calibrated, as stated by counsel for appellee, "in terms of from 0 to 7 with corresponding degree indications from 0 (or 360) to 315," hence, the naught is directly above the zero point, the numeral 1 above the 45 degree marking, the numeral 2 above the 90 degree marking, etc. When the aircraft deviates from its course, the calibrated disc rotates to the right or left, depending upon the direction of deviation with respect to the stationary zero point which serves as a "lubber's line" for reading off the degree markings which appear on the disc. Accordingly, when appellee's instrument is used and the plane deviates from its normal course to an extent of 45 degrees for example, the pilot, by merely observing the instrument, is informed that his craft is off its course to the extent of 45 degrees and it is unnecessary for him to watch the instrument constantly. However, if the aircraft deviates from its course to a degree between the degrees shown on the calibrated disc, the pilot must in part estimate the amount of deviation, although, in order to return to the normal course, it is only necessary to turn the craft until the dial shows the cipher to be directly over the zero point or the "lubber's line."

However, the comparative merits of the two instruments is not the issue before us. The question here to be determined is whether appellant's application discloses a directional indicator for aircraft showing the amount of deviation from course.

[1] It is suggested, although not argued, in the brief of counsel for appellant that the first clause in each of the appealed claims, which reads "A directional indicator for aircraft showing the direction and amount of deviation from course," is merely an introductory clause and is not to be regarded as a structural limitation of the invention defined by the counts.

We think it is sufficient to say that the introductory clause in each of the counts in issue is clearly an essential element of the invention defined by the counts, and is not merely introductory for the purpose of explaining the environment in which the other structural elements of the counts are designed to be used (*Clarence A. Hall* v. *Genzo Shimadzu*, 19 C. C. P. A. (Patents) 1288, 59 F.(2d) 225, 424 O. G. 330; *In re Buttolph*, 22 C. C. P. A. (Patents) 802, 73 F.(2d) 936, 454 O. G. 283), and that the instant case is clearly distinguishable from the decisions in the cases of *Lorenz K. Braren* v. *George Horner*, 18 C. C. P. A. (Patents) 971, 47 F.(2d) 358, 408 O. G. 825; *In re Beplate et al.*, 22 C. C. P. A. (Patents) 1232, 77 F.(2d) 506, 460 O. G. 502; *Deutsch et al.* v. *Ball*, 22 C. C. P. A. (Patents) 1322, 77 F.(2d) 930, 461 O. G. 245; *In re Mason, deceased*, 25 C. C. P. A. (Patents) 873, 94 F.(2d) 220, 491 O. G. 236.

It is well settled that counts in an interference should be given the broadest construction their language will reasonably permit, but that expressly defined limitations cannot be ignored. Furthermore, in the event the language of a count or a vital term therein is susceptible of more than one construction or interpretation, as the case may be, and, therefore, ambiguous, the meaning to be given to such language or term must be that disclosed in the application in which the counts originated.

It is our opinion that there is nothing ambiguous in the phrase of each of the counts: "A directional indicator for aircraft showing the direction and amount of deviation from course."

The term "indicator" is defined in Webster's New International Dictionary (2d Edition) as follows:

indicator * * * *n.* * * * 1. One that shows or points out; an indication or sign.

2. Specif., any device or apparatus, usually automatic in action, for indicating something; as *a* An index hand or pointer. *b* A gauge, as to show pressure. *c* A speed counter for an engine. *d* A registering dial, as on a dial telegraph, or in a railroad station to show the positions of trains. *e Eng.* in some libraries, a device indicating whether a book is out or in.

Obviously the term as used in the counts is in the sense of the definition above given under (2).

Funk & Wagnalls New Standard Dictionary defines the term "indicator" as follows:

indicator * * * *n.* 1. One who or that which indicates or points out.

* * * * * * *

Specif. Any contrivance or apparatus, automatic or otherwise, which makes a mark, record, or sign to indicate the condition or position of something; as (1) a water-gage; (2) a speed-indicator for an engine; (3) dials showing the position of elevators, cages in a mine-shaft, etc.; (4) devices for recording the arrival and departure of trains, the number of fares collected in street-cars, or for testing the running of spindles for any eccentricity, etc.

The terms "show" and "showing," according to the same dictionaries, have various meanings, depending upon the context with which they are used. Upon the question before us the term "showing," as used in the counts, must be considered in connection with the term "indicator."

In other words, the counts call for an indicator which shows the amount of deviation from course, and among the many definitions of the terms "show" and "showing" given by Webster's and Funk & Wagnalls dictionaries above referred to, we find one that, in our opinion, is appropriate when the term "showing" is used in connection with the term "indicator," viz., to "give an indication by

record; as, a clock shows the hour." [Webster.]

A clock is an indicator of time. If the hour hand were to be removed from the face of a clock, we do not think it could be claimed that the clock shows the hours of the day because one could watch the minute hand, count its revolutions around the face of the clock, and, from knowing the hour when he began observation, compute the hours of the day by the number of revolutions which the minute hand had made.

Another illustration is the speedometer of an automobile. Undoubtedly in the pioneer days of speedometers the first invention was that of registering the speed per hour when placed in an automobile, with no registering of the distance travelled. Later, no doubt, came the invention of registering such distance. With a speedometer registering only the speed per hour, one by constantly observing the instrument and maintaining it at a constant speed, could, by also consulting his watch at the beginning and at the end of his trip, compute the distance travelled; but could it therefore be said that a speedometer showed the distance travelled when it registered only the speed per hour? We think not, and yet it seems to us that appellant's disclosure is of the same character.

Surely the man who first invented a speedometer merely showing the speed per hour travelled would not be entitled to a patent including a claim for a speedometer showing not only the speed per hour but also showing the distance travelled.

If the eye of the pilot is distracted for the merest moment during a turn, even by computation he could not determine the amount of the turn for he could not know how many times the illumination of the screen had been interrupted.

[2] We are in agreement with the view of the Board of Appeals that appellant's application does not disclose an indicator showing the "amount of deviation from course"; and to award him priority of invention of the subject matter of counts 3 and 4 would reward him for an invention which he has not disclosed.

Appellant discloses no structure to support counts 3 and 4 different from that disclosed by him to support counts 1 and 2. Priority of invention of the subject matter of counts 1, 2, and 5 has been awarded to appellant, and in our opinion these counts embrace the full measure of the invention disclosed by appellant in so far as this interference is concerned.

We are of the opinion that the Board of Appeals came to the right conclusion, and its decision is affirmed.

Affirmed.

HATFIELD, *J.*, (dissenting):

As stated in the majority opinion, the terms "show" and "showing" have various meanings, depending upon the context in which they are used. For instance, they mean to "exhibit," "display," "disclose," "reveal," "make known," "explain something," "teach," "inform," "instruct; as, he showed me how to solve the problem"; to make "apparent or clear by evidence, testimony, or reasoning; to prove; demonstrate; as, to show the truth of a statement; to show that the sun moves"; to "constitute evidence or proof of; indicate; as, his clothes show bad taste"; to "make known the way to (a person); hence, to direct; guide; usher; conduct; as, to show a person into a parlor; to show one to the door"; to "give indication of by record; as, a clock shows the hour; industrials show an advance." Synonyms for the word "show" are: "Manifest, betoken, demonstrate, evidence, divulge; lead, escort." Webster's New International Dictionary, Second Edition. For further illustration of the use of the words "show" and "showing" see Words and Phrases, Permanent Edition, volume 39, pp. 240 to 246, inclusive.

It appears, therefore, that the words "show" and "showing" mean to make apparent or clear, either to the eye or to the understanding or to both, by display, by evidence, by illustration, or by other means.

It is stated in the majority opinion that the term "showing" is not ambiguous when used in connection with the phrase "A directional indicator for aircraft," and that when interpreted in the light of that phrase it means to "give an indication by record; as, a clock shows the hour."

The only markings on appellee's indicator to show the amount of deviation from course are 0, 45, 90, 135, 180, 225, 270, and 315 degrees. Accordingly, if an aircraft upon which appellee's directional indicator is used deviates from course to a degree not shown on the calibrated disk, that is, for example, to a degree between the cipher, which is directly over the zero point or the "lubber's line," and the forty-five degree marking on the disk, then the pilot can only estimate the amount of deviation, the indicator does not show it.

Now, of course, "a clock shows the hour." But appellee's indicator, if I may pursue the analogy of the majority, is somewhat similar to a clock without a minute hand, such a clock does not show the "hour" in the common understanding of that term; that is, it does not show the "time of day as expressed in hours and minutes." Webster's New International Dictionary.

Appellant's directional indicator does not "give indication * * * by record" of either the direction or the amount of deviation from course in the sense that "a clock shows the hour" of day.

Accordingly, it would seem to be clear that if the term "showing" be given the interpretation placed upon it by the majority of the court neither of the parties can make the claims constituting the counts in issue.

I am of opinion that the term "showing," as used in the counts in issue, is ambiguous and, therefore, should be interpreted in the light of appellant's application.

It is clear from appellant's application that his directional indicator for aircraft discloses to an observing pilot both the direction and the amount of deviation from course. It is true that in order that the pilot be informed of the amount of deviation from course he must have knowledge of how appellant's indicator is adjusted, but, having that knowledge and counting the number of long or, when necessary, the number of "foreshortened" teeth passing across the screen, he is informed as to the exact number of degrees the craft has deviated from its course. Accordingly, construing the language "A directional indicator for aircraft showing the direction and amount of deviation from course" in the light of appellant's application in which the counts in issue originated, I am of opinion that appellant's application discloses an indicator which shows the aircraft pilot the amount as well as the direction of deviation from course; that appellant is entitled to make the claims corresponding to the counts in issue; and that the decision of the Board of Appeals should be reversed.

I am authorized to say that Presiding Judge Garrett concurs in the views herein expressed.

U. S. Court of Customs and Patent Appeals

IN RE AUWARTER

No. 4,478. Decided June 9, 1941

[120 F.(2d) 377]

PATENTABILITY—METHOD OF PRODUCING METALLIC LAYERS.

Certain claims to a method of producing metallic surface layers upon non-metallic objects *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. Robert H. Wendt and *Mr. James H. Littlehales* for Auwarter.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

JACKSON, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming that of the Primary Examiner rejecting, in view of the cited prior art, claims 12, 13, and 14 of an application for a patent for certain new and useful improvements in the production of metallic surface layers. Four claims were allowed:

Claim 14 is illustrative and reads as follows:

14. A method of producing metallic layers upon non-metallic supports, which comprises continuously and solely heating a work piece of one substantially pure metal in a high vacuum to a temperature below the melting point of said work piece, to effect a sublimation of pure metal only of said work piece for a predetermined period of time, and condensing the sublimed metal in a substantially uniform layer, of predetermined thickness depending on the time period, on a non-metallic support to be coated with a layer in said vacuum.

The cited prior art is: Williams, 2,079,784, May 11, 1937; Edwards, 2,067,907, January 19, 1937; Fink et al., 1,738,991, December 10, 1929; Gardner et al., "The Making of Mirrors by the Deposition of Metal on Glass" January 6, 1931, Circular of the Bureau of Standards, No. 389, p. 10, paragraph c; page 17, lines 11 and 12.

The Gardner reference will not be considered here as it was cited as anticipating method claim 13, the appeal as to which will be dismissed upon motion which was made by appellant when the appeal was submitted here.

Appellant's invention relates to the production of metallic surface layers upon non-metallic objects, for example mirrors and optical measuring instruments. In carrying out the process a broad strip or band of pure metal, such as rhodium, is clamped between water-cooled copper jaws in a high vacuum container with the clean article to be coated placed directly opposite the metal band. The copper jaws are electrodes through which an electric current passes. By reason of the passing of the current therethrough the metal band is heated to a point where the metal sublimes, that is, where it turns directly into a gas from the solid without melting the solid. The temperature used is below that of the melting point of the metal. The gaseous particles pass in a uniform stream to the article to be coated and because of the area of the band of metal, which is commensurate with the area of said article, the particles tend to coat the article uniformly. The sublimation is carried on for a predetermined period of time upon the duration of which depends the character of the layer of metal. If the period of time be short the deposited layer is partially permeable, that is, it will transmit a certain amount of light and reflect a certain portion thereof. If the duration of the sublimation be longer, the layer of metal will form a mirror through which light transmission is slight.

The Fink et al. patent relates to the manufacture of vacuum vessels comprising two containers spaced by an annular vacuum chamber, such as the well known vacuum bottles. In order to coat the walls of the containers within the annular chamber, the surface of the inner container is surrounded in cage-like fashion by a coil of volatile metal, such as magnesium. Surrounding the other vessel is a high frequency coil which induces secondary currents in the closed wire in the vacuum chamber and the heat generated by these induced currents volatilizes the metal of the volatile wire "causing the same to be deposited on the surrounding walls as a uniform mirror like coating."

The Edwards patent has for its primary object the production of a mirror surface. In carrying out the process of his invention the patentee provides for placing in a high vacuum chamber, near the top thereof, a sheet of glass to be coated. In the lower part of the chamber there is a piece of volatile metal coating material (an alloy of aluminum and magnesium) surrounded by a tungsten coil through which is passed an electric current, causing the coating metal to sublime, which sublimation results in coating the exposed surface of the glass thus making a mirror. The surface of the mirror body is cleaned by means of an electrical discharge between a positive electrode immediately above and adjacent to said body and a negative electrode directly below in the lower portion of the vacuum chamber.

The Williams patent relates to apparatus par-

ticularly adapted for depositing coatings of metals or other solids upon a surface by thermal evaporation in a vacuum. The apparatus comprises a vacuum enclosure, means within the enclosure for supporting the object to be coated, together with heating coils composed of filaments plated with the solid to be vaporized. A heating of the coils causes sublimation of the solid so that the object to be coated, a sheet of glass, is made into a mirror. The patentee further states that his invention

"includes the concept of positioning pieces of metals or other evaporatable solids within or upon a filament coil or coils."

The Examiner held that claim 14 defines nothing patentable over any one of the references and that claim 12 is met by the Williams and the Fink et al. patents in that the latter claim, which depends upon claim 14, calls for a metal selected from a group of metals consisting of metals of the seventh and eighth group of the periodic system. The Examiner stated

"The use of rhodium, platinum, palladium, nickel, etc. is shown in Williams and nickel and cobalt are shown in Fink et al., so that claim 12 is met by these patents."

The Board, in its decision, gave the following reasons for affirming the decision of the Examiner:

The main distinction in the claims over Williams is that applicant heats a work piece of pure metal whereas the work piece of Williams is a plated tungsten filament. Edwards uses a tungsten filament to heat an alloy strip and Edwards may have several metals in the vacuum chamber. The Fink et al. patent discloses the use of pure metals in the process.

Applicant holds his pure metals in copper jaws but we cannot see in what respect he has produced any unobvious result over the prior art in the use of pure metal. The apparatus may be different as to the means to hold the work piece whereby the pure metal of the work piece alone is vaporized, but no apparatus is disclosed nor are the claims directed to anything novel over the prior art except the use of a pure metal in an old process. As thus broadly stated, we believe it obvious to use a pure metal especially in view of Fink et al. In fact, the plating on the tungsten filaments of Williams may be pure metal.

Appellant asserts, in his brief, that

"the invention does not consist in the use of pure metal, but in the provision of a new process which produces a new product in such manner as to avoid contamination, particularly by tungsten."

Appellant contends that

"contamination has been found to be caused by the tungsten filaments, crucibles or carriers which were used in the prior art devices for holding the work piece."

He also contends that

"While it is true that the melting point of tungsten is relatively high, tungsten also sublimes when it is subject to the temperatures used in the appellant's method, in the vacuum described."

Claim 14 does not define any specific temperature and so far as the high vacuum of appellant's process is concerned it is stated in the applications of both Williams and Edwards that the pressures in their vacuum chambers are reduced to 0.0001 mm. of mercury, which is the highest degree of vacuum mentioned by appellant. Therefore both of these references clearly anticipate the requirement of claim 14 as to degree of vacuum.

Appellant concedes that the production of metallic layers upon non-metallic objects in a vacuum by the application of heat to the work piece is old in the art.

It appears to us that the expression in claim 14 "solely heating the workpiece" does not mean that the metal to be sublimed is the only metal which is heated. The work piece of the application is clamped in position by copper jaws which are electrodes and which, according to the specification of appellant, are water-cooled. There can be no purpose in water-cooling these electrodes unless they, as well as the work piece, become heated by appellant's process. Appellant's purpose is to heat the work piece only to the sublimation point. This undoubtedly is accomplished in his process, but nevertheless the copper jaws are also necessarily heated, but not to the point where vaporization occurs. The same condition exists in the heating process disclosed in the Edwards and the Williams patents.

The processes of the Edwards and Williams patents show heating elements made of tungsten. The Williams patent states that the metal of the work piece "has a boiling point below the melting point of the material constituting the filaments." The sublimation point in metals apparently is lower than the melting point, so that if the metal of the work piece has a boiling or melting point lower than that of the heating element or carrier (tungsten in the patents) the vaporization temperature of the coating metal must be reached before that of the carrier. Therefore we are unable to agree with appellant that there is a contamination of the coating caused by some sublimation of the tungsten. Furthermore if the heating shown in the Edwards and Williams patents were conducted at a temperature above "the melting point of said work piece" the metal of the work piece would drop to the bottom of the vacuum chamber where it would no longer be heated and it would therefore be useless.

Sublimation of the coating metal is clearly disclosed in the Edwards and the Williams patents. That it is controlled for predetermined times seems clear, depending upon the thickness of the layer of coating material desired. The control of the subliming process apparently presents no difficulty because, as appellant states in his brief,

"The operation of sublimation is an easily controlled, accurate, and uniform method by means of which mirrors of any desired percentage [of] transmissive or reflective power may be manufactured."

Appellant argued that the clause in claim 14 reading

"condensing the sublimed metal in a substantially uniform layer, of predetermined thickness depending on the time period"

distinguishes the claim from the disclosure of the Fink et al. reference. Assuming, without deciding, that the contention is sound it seems logical that the thickness of the condensed uniform layer of coating metal produced in the processes disclosed by both the Edwards and the Williams patents would depend upon the length of time that the object to be coated would be exposed to the action of the sublimed metal.

For the reasons hereinbefore set out we are of the opinion that claim 14 was properly rejected.

Claim 12 contains the additional limitation that

"the metal of the work piece is selected from a group of metals consisting of metals of the seventh and eighth group of periodic system."

We find nothing in the record to suggest that the use of any such selection of metal would involve invention in the process claimed rather than the use of some other metal. Furthermore, nickel, palladium, platinum or rhodium, we are informed in the brief of the solicitor, are all of the eighth group. Therefore we find no error in the decisions of the Patent Office tribunals in rejecting claim 12.

The appellant's motion to dismiss the appeal as to claim 13 is granted.

For the reason that appellant has conceded that the invention as defined by the appealed claims does not have for a necessary element the use of pure metal, it is not necessary to discuss further the Fink et al. patent.

The decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,223,659, W. S. Barnickel, Treatment of crude oil; 1,467,831, same, Process for treating petroleum emulsions; 1,596,589, M. De Groote, same, D. C., S. D. Calif., C. Div., Doc. E y–40–J, *Petrolite Corp., Ltd.*, v. *Italo Petroleum Corp. of America et al.* Decree reversed Jan. 6, 1941.

1,317,912, T. C. Dyer, Steering gear for automobiles; 1,577,821, W. P. Campbell, Stabilizing device, appeal filed July 29, 1941, C. C. A., 8th Cir., Doc. 12090, *Montgomery Ward & Co.* v. *The Anti-Shimmie Mfg. Co.* Doc. 12091, *Sears, Roebuck & Co.* v. *The Anti-Shimmie Mfg. Co.*

1,467,831. (See 1,223,659.)

1,544,172, A. Perkins, Sorting and classifying of flat sheets, tallies, cards, or the like, filed July 9, 1941, D. C. Mass., Doc. 1421, *The McBee Co.* v. *E. L. Leavitt.*

1,557,350. (See 1,562,582.)

1,562,582, G. D. Parker, Automatic loading device for elevators; 1,557,350, F. Stebler, Box dumping machine; 1,818,646, G. D. Parker, Stop mechanism for box nailing machines, D. C., S. D. Calif., C. Div., Doc. 348–M, *Food Machinery Corp.* v. *Brogdex Co.* Claims 1 and 19 of 1,557,350; claims 9 and 11 of 1,562,582 and claim 4 of 1,818,646 held valid and infringed Aug. 4, 1941.

1,577,821. (See 1,317,912.) 1,596,589. (See 1,223,659.)

1,604,093, 1,737,294, P. C. Booty, Receptacle for face powder, D. C. Mass., Doc. 6128, *M. T. Daley* v. *Evans Case Co.* Judgement for plaintiff June 19, 1941.

1,618,809, Byron & Evans, Boot and shoe manufacture, filed May 7, 1941, D. C. Mass., Doc. 1268, *Parco, Inc., et al.* v. *Pero & Daniels, Inc.*

1,695,302, F. W. Thompson, Electric heater, filed May 5, 1941, D. C. Mass., Doc. 1254, *F. W. Thompson* v. *Draper Corp.*

1,705,266, Pease & Joseph, Adjustable awning arm, filed Aug. 11, 1941, D. C., E. D. N. Y., Doc. 2189, *New York Awning Co., Inc.*, v. *S. Eisenberg et al.*

1,719,807, 1,719,820, A. A. Kucher, Refrigerator; Re. 19,908, same, Refrigerating machine; 2,007,730, M. C. Terry, Refrigeration apparatus; 2,101,881, Terry & Buckley, same; 2,181,856, G. S. McCloy, same; Des. 112,778, R. E. Kruck, Refrigerator cabinet; 2,166,630, G. F. Forsthoefel, Cabinet construction; Re. 21,178, same, Refrigeration apparatus; 2,194,176, O. H. Yoxsimer, Refrigerator, D. C. Md., Doc. 668, *Westinghouse Electric & Mfg. Co.* v. *Blum's, Inc.* "Case settled" July 31, 1941.

1,719,820. (See 1,719,807.) 1,737,294. (See 1,604,093.)

1,758,807, T. Serposs, Garment hanger; 1,799,690, L. Kanowitz, same, filed Aug. 5, 1941, D. C., S. D. N. Y., Doc. 15/199, *The All-Styles Hanger Co., Inc., et al.* v. *The Henry Hanger Co. of America, Inc.*

1,786,998, E. V. Hawkins, Basket, D. C. La. (New Orleans), Doc. 511, *The Hawkins Handle Corp.* v. *Hammond Box Co., Inc.* Dismissed (notice Aug. 6, 1941).

1,799,690. (See 1,758,807.) 1,818,646. (See 1,562,582.)

1,839,330, P. F. Murray, Automatic joint breaker, filed June 23, 1941, D. C., S. D. Calif., N. Div., Doc. 102, *P. F. Murray et al.* v. *Hopper Machine Works, Inc., et al.*

1,913,604, 2,022,514, W. A. MacDonald, Wave signaling system, D. C., S. D. Ohio, W. Div., Doc. 183, *Hazeltine Corp* v. *The Crosley Corp.* Patents held not infringed; bill dismissed (notice Aug. 8, 1941).

1,916,532, Roberts & Huntington, Conveyor mechanism, D. C., S. D. Calif., C. Div., Doc. 377–C, *Food Machinery Corp.* v. *Brogdex Co.* Patent held valid and claims 1, 2, 3, 6, 11 to 15, inclusive, infringed Aug. 4, 1941.

1,940,406. (See Des. 118,578.)

1,957,964, L. E. Jones, Method and apparatus for treating fruit, D. C., S. D. Calif., N. Div., Doc. 25, *Food Machinery Corp.* v. *Brogdex Co. et al.* Patent held valid and claims 1 to 8, 10 to 12, 14, 16 to 18 infringed Aug. 4, 1941.

1,964,911, 2,024,218, E. C. Haas, Catamenial device, appeal filed Aug. 12, 1941, C. C. A., 2d Cir., Doc. —, *Tampax, Inc., et al.* v. *The Personal Products Corp. et al.*

1,978,682, R. J. Marvin, Measuring instrument, D. C., S. D. Calif., C. Div., Doc. 934–H, *E. T. Butler* v. *Marvel Piston Ring Co.* Dismissed for lack of prosecution Aug. 4, 1941.

1,981,197. (See 2,145,495.) 2,007,730. (See 1,719,807.)

2,022,514. (See 1,913,604.) 2,024,218. (See 1,964,911.)

2,051,115, V. B. Wallace, Drafting machine, D. C., S. D. Calif., C. Div., Doc. 1249–H, *Vard Mechanical Laboratory* v. *V. & E. Engineering Co.* Dismissed pursuant to stipulation, of cause of action based on infringement with prejudice Aug. 4, 1941.

2,101,881. (See 1,719,807.)

2,132,077, Lane & Hammer, Method of making blue-veined cheese, filed Aug. 5, 1941, D. C., E. D. Wis. (Milwaukee), Doc. 588, *Iowa State College Research Foundation* v. *Tolibia Cheese Corp.*

2,145,495, H. Paxton, Method of and apparatus for removing excess surface water from fresh fruit; 1,981,197, F. B. Roberts, Method and apparatus for drying fruit, D. C., S. D. Calif., C. Div., Doc. 349–C, *Food Machinery Corp.* v. *Brogdex Co. et al.* Dismissed as to Placentia Mutual Orange Ass'n Mar. 18, 1941. Stipulated decree as to Brogdex Co. was entered holding both patents valid and claims 1, 2, 8, 10, 11, 12, 14, 15, 17, 18, 24, 25, 26, and 27 of 2,145,495 infringed Aug. 4, 1941.

2,147,793, W. J. Kropp, Process of manufacturing packing and insulating material; 2,166,926, same, Packing and insulating material, filed Aug. 5, 1941, D. C. Kans. (Wichita), Doc. 1970, *Insul-Wool Insulation Corp.* v. *J. W. Kimple.* Doc. 1971, *Insul-Wool Insulation Corp.* v. *H. O. Turner.*

2,166,630. (See 1,719,807.) 2,166,926. (See 2,147,793.)

2,181,856. (See 1,719,807.)

2,194,176. (See 1,719,807 and Re. 21,178.)

2,194,177. (See Re. 21,178.)

2,195,839, 2,238,813, J. L. Kleinman, Razor, filed June 12, 1941, D. C., S. D. N. Y., Doc. 14/394, *J. L. Kleinman* v. *Davega-City Radio, Inc.*

2,196,490, Berry & Kappler, Stove with baffle, D. C. Mass., Doc. 855, *Florence Stove Co.* v. *Glenwood Range Co.* Dismissed without prejudice June 2, 1941.

2,205,781. (See Re. 21,178.)

2,206,838. (See Des. 118,578.)

2,209,869. (See Re. 21,178.)

2,210,988, V. P. Shelton, Camera, filed July 25, 1941, D. C., N. D. Ill., E. Div., Doc. 3252, *V. P. Shelton* v. *Conway Camera Co.*

2,214,285, J. Schmidt, Green corn cutting apparatus, filed Aug. 9, 1941, D. C., E. D. Ill. (Danville), Doc. 195–D, *J. Schmidt* v. *Food Machinery Corp.*

2,218,371, O. C. Zachar, Combination fill and vent box, D. C., E. D. Pa., Doc. 1560, *R. Zachar* v. *F. B. Storch.* Consent decree granting injunction July 30, 1941.

2,236,717, W. A. Noack, Ironing board support, filed May 26, 1941, D. C., S. D. Calif., C. Div., Doc. 1556–B, *W. A. Noack* v. *Mirror Products Co.*

2,238,813. (See 2,195,839.)

2,248,223, Feilman & Feilman, Bicycle, filed Aug. 7, 1941, D. C., E. D. N. Y., Doc. 2187, *Companion Bicycle Corp. et al.* v. *William Davis et al.*

Re. 19,908. (See 1,719,807.)

Re. 21,178. (See 1,719,807.)

Re. 21,178, G. F. Forsthoefel, Cabinet construction; 2,194,176, O. H. Yoxsimer, Refrigerator; 2,209,869, same, Refrigeration apparatus; 2,194,177, T. W. Rundell, same; 2,205,781, V. E. Vining, Food container, D. C. Md., Doc. 920, *Westinghouse Electric & Mfg. Co.* v. *Blum's, Inc.* "Case settled" July 31, 1941.

Des. 112,778. (See 1,719,807.)

Des. 118,525, S. Zimmerman, Suit, D. C., S. D. N. Y., Doc. 7/304, *Morris W. Haft & Bros., Inc.*, v. *Delmoor Garment Co., Inc.* Consent judgment (notice Aug. 7, 1941).

Des. 118,578, W. J. Emerson, Paper cup dispenser; 2,206,838, same, Dispensing; 1,940,406, J. E. Ericson, Dispensing drinking cup, D. C. Md., Doc. 871, *Connecticut Paper Products, Inc.*, v. *New York Paper Co.* Claims 2, 4, 5, 6, and 8 of 2,206,838 held valid and infringed, injunction July 7, 1941.

Des. 120,872, W. O. Prouty, Flower bowl, filed July 11, 1941, D. C., S. D. Calif., C. Div., Doc. 1647, *Metlox Mfg. Co.* v. *C. W. Fourt et al.*

Des. 126,003, J. Elkins, Dress, D. C., S. D. N. Y., Doc. 13/285, *Sam Steinberg & Co., Inc.*, v. *Debi-Dance Frocks, Inc.* Order (notice Aug. 5, 1941). Doc. 13/336, *Sam Steinberg & Co., Inc.*, v. *Dartford Debs, Inc.* Order (notice Aug. 18, 1941).

Disclaimers

2,030,170.—*Louis C. Huck*, Grosse Pointe, Mich. RIVET. Patent dated February 11, 1936. Disclaimer filed September 2, 1941, by the assignee, *Huxon Holding Corporation.*

Hereby enters this disclaimer to claim 8 in said patent.

2,047,863.—*William G. H. Finch*, New York, N. Y. TELECOMMUNICATIONS SYSTEM. Patent dated July 14, 1936. Disclaimer filed September 3, 1941, by the assignee, *Finch Telecommunications, Inc.*

Hereby enters this disclaimer to claims 1, 4, 5, and 9 of said patent.

2,081,856.—*Paul H. Frick*, Narberth, Pa. ROTATABLE BIN. Patent dated May 25, 1937. Disclaimer filed September 10, 1941, by the assignee, *The Frick-Gallagher Manufacturing Company.*

Hereby enters this disclaimer to claims 1, 2, 3, 5, 6, and 7 of said Letters Patent.

2,108,053.—*August D. Eitzen*, Rockville Centre, N. Y. BROAD TAPE PROJECTOR. Patent dated February 15, 1938. Disclaimer filed August 28, 1941, by the assignee, *News Projection Corporation.*

Hereby enters this disclaimer to claims 32, 36, and 37 of said patent.

2,110,770.—*Louis V. Lucia*, West Hartford, Conn. MACHINE FOR AND METHOD OF MAKING PAPER CUPS. Patent dated March 8, 1938. Disclaimer filed September 5, 1941, by the *United States Envelope Company.*

Hereby enters this disclaimer to claim 8 of said patent.

2,192,350.—*Edward E. Kleinschmidt*, Highland Park, Ill. SELECTIVE SYSTEM AND PRINTING TELEGRAPH APPARATUS. Patent dated March 5, 1940. Disclaimer filed August 27, 1941, by the inventor.

Hereby enters this disclaimer to claims 30 and 31 in said specification.

2,203,928.—*William O. Schultz*, South Milwaukee, Wis. FUSE CONSTRUCTION. Patent dated June 11, 1940. Disclaimer filed September 2, 1941, by the assignee, *Line Material Company.*

Hereby enters this disclaimer to claims 1, 10, and 15 in said specification.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS

RENDERED DURING AUGUST, 1941

NEPERA CHEMICAL CO. INC. *v.* THE WM. S. MERRELL COMPANY, Opposition No. 19,591.

In a decision rendered August 2, 1941 (163 Ms. Dec. 787, 50 U. S. P. Q. 470), *Assistant Commissioner Van Arsdale* reversed the decision of the Examiner of Trade-Mark Interferences and thereby sustained the opposition of the Nepera Chemical Co. Inc. of Yonkers, N. Y., to the application of The Wm. S. Merrell Company, of Cincinnati, Ohio, for registration of the mark "Manadel" for a flavored preparation of calcium mandelate powder for the treatment of urinary infections.

Opposer relied upon a registration of the word "Mandelamine" for medicines for use in germ infections and as an antiseptic, owned by it and dating prior to any use asserted by applicant of its mark.

In finding that the marks have common significance and in holding that applicant's mark should be considered to be a substantial appropriation of the most prominent portion of opposer's mark, the Assistant Commissioner said:

"The word 'Mandel' is the combining form of the word 'mandelic'. Thus the trade-mark 'Mandelamine' suggests that the goods to which the mark is applied are mandelic. The trade-mark 'Manadel' is so similar in sound to the word 'Mandel' that in my opinion when applied to calcium mandelate it suggests the mandelic character of the calcium mandelate. Of course the word 'Manadel' carries no suggested meaning that the 'amine' part of the word 'Mandelamine' might carry. However, that the product is mandelic is the only suggested meaning present in applicant's mark and this is included also in opposer's mark. In this respect the marks have common significance.

"In my opinion the first two syllables 'Mandel' of opposer's mark 'Mandelamine' are more prominent than the last two syllables 'amine' and the word "Manadel' is so similar in sound and in appearance to the first part 'Mandel' of opposer's mark that applicant's mark should be considered to be a substantial appropriation of the most prominent portion of opposer's mark."

On the question of the respective goods possessing the same descriptive properties, the Assistant Commissioner had the following to say:

"Both the marks are applied to pharmaceutical preparations in powder form that are sold in the same stores to the same class of purchasers, and both products are intended for the relief and cure of infections. In my opinion the goods to which the marks are applied are goods of the same descriptive properties, even though one so far has been used only in connection with a remedy for a specific type of infection while the other presumably has been used for germ infections generally."

The Assistant Commissioner concluded that, considering the goods on which the marks are used and considering the marks in their entireties, and in consequence of the resemblance between the mark "Manadel" and the portion "Mandel" of the mark "Mandelamine" in significance, in sound and in appearance, considerable likelihood of confusion and deception of purchasers would result from the concurrent use of the marks on the respective goods of the parties.

EX PARTE JOHNS-MANVILLE CORPORATION, Serial No. 429,055.

In a decision rendered August 2, 1941 (163 Ms. Dec. 786, 50 U. S. P. Q. 470), *Assistant Commissioner Van Arsdale* affirmed the action of the Examiner of Trade-Marks in refusing registration to Johns-Manville Corporation of New York, N. Y., of the mark "Fibracoustic" for fibrous, acoustical material.

In agreeing with the Examiner that the mark is merely descriptive of said material, the Assistant Commissioner said:

"In my opinion the portion 'Fibra' of the mark would indicate to observers that the material was fibrous in character and the portion 'coustic,' preceded by the letter 'a' of 'Fibra,' would mean to observers that the material was acoustical. In other words, it is my opinion that the mark 'Fibracoustic' applied to fibrous, acoustical material is merely a readily recognizable contraction and combination of the words 'fibrous' and 'acoustical' and is a mark consisting merely in a word which is descriptive of the fibrous and acoustical character or quality of the goods with which it is used. Contraction, misspelling or abbreviation do not necessarily preclude descriptiveness."

EX PARTE THE GRIFFITH LABORATORIES, INC., Serial No. 412, 337.

In a decision rendered August 13, 1941 (163 Ms. Dec. 791, 50 U. S. P. Q. 512), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks in refusing registration under the act of February 20, 1905, to The Griffith Laboratories, Inc., of Chicago, Ill., of the notation "Prague Powder" as a trade-mark for "a book and formula sheet." The Examiner based his refusal on the ground that applicant's publications lack general interest and are merely advertising matter for its own goods.

The First Assistant Commissioner agreed with the Examiner as to the formula sheet, but finding that the book on file contains some items of a non-advertising character that would doubtless be of interest to those engaged in the curing of meats, he indicated that these items were of sufficient general interest to warrant registration of a trade-mark for the book, citing his own decision in *Ex parte The Scholl Mfg. Co.*, 499 O. G. 791, 40 U. S. P. Q. 254. The First Assistant Commissioner added, however, that applicant's mark must be refused registration because the mark is purely descriptive of the contents of applicant's publications and because the word "Prague" is merely geographical. He cited the cases of *McGraw-Hill Publishing Co.* v. *American Aviation Associates, Inc.*, 47 U. S. P. Q. 494, and *In re Kraft-Phenix Cheese Corporation*, 120 F.(2d) 391, 49 U. S. P. Q. 650.

EX PARTE THE GRIFFITH LABORATORIES, INC., Serial No. 412,505.

In a decision rendered August 13, 1941 (163 Ms. Dec. 790, 50 U. S. P. Q. 511), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks in refusing registration

to The Griffith Laboratories, Inc., of Chicago, Ill., under the provisions of the act of March 19, 1920, of the notation "A Full Boiled Curing Pickle," as a trade-mark for "salt composition for use in curing meats and like animal products," which is sold as "Prague powder."

The First Assistant Commissioner concurred with the opinion of the Examiner that "the notation presented does not function as a trade-mark" but "appears to be merely an explanatory statement advising the purchasing public of the character of its Prague powder." He said:

"Applicant concedes that its mark would not be registrable in the absence of the word 'full,' but seems to feel that this word as used is fanciful. The expression 'full boiled,' of course, means the same thing as 'fully boiled' or 'completely boiled.' But applicant takes the position that such expressions are meaningless as applied to a liquid, because:

"'A liquid boiled, is boiled. A liquid heated to just below the boiling point, is not boiled. A liquid boiling for one minute is as much "boiled" as one boiling for an hour.'

"Applicant's curing pickle, however, is not a liquid, but a powder, which, as stated in the brief, 'is the product of a boiled solution of the ingredients which are present when the powder is dissolved to form a brine or pickle.' And it may well be that a full, or complete, or prolonged boiling of the solution is essential or desirable in the preparation of the finished product. At any rate, that is the impression likely to be conveyed to purchasers."

OBEAR-NESTER GLASS CO. v. CORNING GLASS WORKS, Cancellations Nos. 2334 and 2335.

In a decision rendered August 13, 1941, (163 Ms. Dec. 792, 50 U. S. P. Q. 509), *First Assistant Commissioner Frazer* reversed two decisions of the Examiner of Trade-Mark Interferences and thereby dismissed two petitions by Obear-Nester Glass Co., of St. Louis, Mo., to cancel registration No. 115,846, issued March 13, 1917, and renewed, and registration No. 190,518, issued October 14, 1924, owned by Corning Glass Works of Corning, N. Y. The goods described in the two registrations are, respectively, "glass" and "nursing bottles." The mark is the same in both, namely, "Pyrex." The petitions to cancel were predicated upon petitioner's ownership of the trade-mark "Rex," alleged to be appropriated to merchandise of the same descriptive properties as that set forth in respondent's registrations, and to be confusingly simulated by respondent's mark.

With respect to use by the petitioner of its mark, the First Assistant Commissioner said:

"The record establishes petitioner's continuous use of the word 'Rex' in connection with glass prescription bottles since about 1896, and in more recent years a somewhat sporadic use in connection with several other types of glass bottles. The mark is registered for prescription bottles only, and, as pointed out by the Examiner, its use by petitioner on other merchandise was subsequent to the earlier of respondent's registrations.

"In 1928 petitioner began using the word 'Rex' on glass nursing bottles. This was, of course, some years after respondent had registered its 'Pyrex' mark for the same goods; but petitioner seeks to invoke the natural expansion of business doctrine. As correctly stated in the brief:

"'It is a well-recognized principle that the owner of a trade-mark is entitled to the application of that mark to the reasonable and natural expansion of his business. The doctrine is firmly established that the owner of a trade-mark not only has the right to its exclusive use on goods which he has manufactured, but that he also has a similar right on goods which he may thereafter produce, if such goods comprise those to which the business of the trade-mark owner would normally expand.'"

In response to this contention of the petitioner, the First Assistant Commissioner stated:

"It is at least doubtful that the doctrine is applicable here, because petitioner had been manufacturing nursing bottles under other trade-marks for many years before applying its 'Rex' mark to such bottles, and the record discloses no satisfactory explanation of the change. However, in the view I take of the case this point is not of controlling importance, because I am clearly of the opinion that within the meaning of the Trade-Mark Act petitioner's prescription bottles are of the same descriptive properties as many of the articles with which respondent uses its registered mark, including nursing bottles."

Upon the remaining question whether the trade-marks "Rex" and "Pyrex," as applied to the goods of the parties, are so nearly similar as to be likely to confuse the public or to deceive purchasers, the First Assistant Commissioner said:

"The glassware sold by respondent has certain characteristics not possessed by ordinary glassware, such as that sold by petitioner. It is resistant to heat, electricity and chemicals, and is thus peculiarly adapted for the various uses to which it is put. Being relatively expensive, it is purchased chiefly because of these characteristics. Moreover, respondent's mark, as was observed by the court in *Puerto Rico Distilling Co.* v. *The Coca-Cola Co.* [120 F.(2d) 370, 49 U. S. P. Q. 660], with respect to another famous trade-mark, 'by reason of its long and widely extended use, has come to have an almost universally understood meaning.' Whatever its etymology may be, 'Pyrex' conveys but one significance to purchasers. It means the glassware of respondent's manufacture. In my opinion a mark of this character, while entitled to broad protection, is less likely to be confused with somewhat similar marks than would be one less firmly fixed in the mind of the public.

* * * * * * *

"In *Purex Corporation* v. *United Drug Co.*, 21 C. C. P. A. 753, 67 F.(2d) 918, the Court of Customs and Patent Appeals held that the trade-marks 'Rex' and 'Purex' were not confusingly similar; and in *United Drug Co.* v. *Wiley*, 23 C. C. P. A. 987, 82 F.(2d) 293, the same ruling was made with respect to 'Rex' and 'Blurex.' True, the goods involved in those cases were much less nearly related than are those of the instant case; but that fact does not alter the court's conclusion that the marks there under consideration differed in sound and in appearance; and obviously that is equally true of the marks 'Rex' and 'Pyrex,' as was expressly held by the Circuit Court of Appeals for the Eighth Circuit in *Walgreen Drug Stores, Inc.*, v. *Obear-Nester Glass Co.*, 113 F.(2d) 956, 46 U. S. P. Q. 440.

"Petitioner urges that the marks are similar in meaning. It is pointed out that 'rex' is Latin for 'king,' and that 'pyr' is Greek for 'fire'; and the Merriam-Webster Dictionary, 1934 edition, is cited as authority that respondent's mark is a combination of those two words. In this connection petitioner makes the following comment in its brief on appeal:

"'Certainly such an authority as the Merriam-Webster International Dictionary would not give the derivation of the word "Pyrex" as it does were there not a firm foundation of truth therein. It is, therefore, submitted that this authority is conclusive that "Pyrex" means "fire king."'

"It is interesting to note, however, that in the 1939 edition of this same dictionary the derivation of 'Pyrex' is given as 'arbitrary: pi(e (plate) plus -ex.' But in any event, if 'Pyrex' means 'fire king,' then, by the same token, 'Purex' means 'pure king' and 'Blurex' means 'blue king'; and even in significance respondent's mark bears no nearer resemblance to petitioner's mark than do those of the cited cases."

The First Assistant Commissioner concluded that upon the record before him the petitioner had failed to prove itself injured by either of the registrations sought to be canceled.

EX PARTE JOHN E. LUNZ, Serial No. 411,837.

In a decision rendered August 19, 1941 (163 Ms. Dec. 797, 50 U. S. P. Q. —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks in refusing registration under the provisions of the act of March 19, 1920, to John E. Lunz, of Buffalo, N. Y., of the notation "Tummy Tone" for goods described in the application as "a medicinal preparation for relief of stomach disorders." The Examiner refused registration of applicant's mark on the ground that it is confusingly similar to the mark "Tummytabs," registered under the provisions of the act of February 20, 1905, and appropriated to

"tablets for the treatment of stomach or bowel trouble, whooping-cough, tonsilitis, diphtheria, mumps, measles, scarlet fever, cholera infantum, worms, infantile paralysis, acute indigestion, malaria, infectious fevers, blood poisoning, and diabetes."

Referring to this list of ills, the First Assistant Commissioner noted that doubtless there are other human ailments that these tablets would relieve, but those listed are all that appear in the registration.

The First Assistant Commissioner concluded that while applicant's product is in the form of a powder, and according to the brief

"is administered by placing a teaspoonful of the preparation in one-half glass of warm water, and is primarily intended for consumption after meals as an antacid disgestant,"

nevertheless, it possesses the same descriptive properties as do

"tablets for the treatment of stomach or bowel trouble."

In holding that applicant's mark and the registered mark, as applied to goods of the character involved, are too nearly similar to be used concurrently without at least a reasonable likelihood of resulting confusion, the First Assistant Commissioner stated:

"Applicant argues that the two marks are different in appearance and in significance. However, they do not differ greatly in sound, and 'similarity in sound alone is sufficient to constitute confusing similarity between marks.' *E-Z Mills, Inc.*, v. *Martin Brothers Co.*, 25 C. C. P. A. 992, 95 F.(2d) 269.

"It is also urged on applicant's behalf that the word 'Tummy' is descriptive in both marks, 'being a dictionary term and a humorous expression for the word stomach.' But 'if the mark of the applicant is so similar to the registered mark as to be likely to lead to confusion, the fact that the registered mark or a portion of it may be descriptive in character affords no justification for disregarding the similarity in passing upon the right to register.' *Skelly Oil Co.* v. *Powerine Co.*, 24 C. C. P. A. 790, 86 F.(2d) 752."

EX PARTE VIKING REFRIGERATORS, INC., Serial No. 419,825.

In a decision rendered August 19, 1941 (163 Ms. Dec. 798, 50 U. S. P. Q. —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks in refusing registration under the provisions of the act of February 20, 1905, to Viking Refrigerators, Inc., of Kansas City, Mo., of the notation "Crispy Cold" as a trade-mark for "refrigerated display cases and refrigerators for the preservation of foodstuffs." The ground of refusal by the Examiner was that

"the mark is descriptive of the goods, that is, that applicant's refrigerator preserves foods, notably vegetables, in a crisp, cold condition."

In agreeing with the Examiner, the First Assistant Commissioner stated:

"Applicant contends * * * that the mark does not describe its refrigerators, and is no more than suggestive of their function. In holding the mark to be descriptive, the Examiner relied upon the case of *Walgreen Co.* v. *Godefroy Manufacturing Co.*, 22 C. C. P. A. 819, 74 F.(2d) 127, where a similar ruling was made by the Court of Customs and Patent Appeals with respect to the notation 'Peaudouce' as applied to skin cream. Pointing out that in English 'Peaudouce' means 'soft skin,' the court said:

"'In view of the facts of record, we are of opinion that the trade-mark 'Peaudouce' is merely descriptive of the intended purpose and function of the goods on which it is used, and is therefore merely descriptive of the "qualities, ingredients or characteristics" of such goods; that, when so used, it is not subject to exclusive trade-mark appropriation.'"

"In principle, I am unable to distinguish that case from the one before me; nor does applicant seriously attempt to do so. If the expression 'soft skin' is descriptive of a cream designed to keep the skin soft, then by the same token it would seem to follow that the expression 'Crispy Cold' is descriptive of a refrigerator designed to keep fruits and vegetables crisp and cold, because that is its 'intended purpose and function.'"

LAMM BROTHERS, INCORPORATED, *v.* THE PRINTZ-BIEDERMAN COMPANY, Opposition No. 19,395.

In a decision rendered August 25, 1941 (163 Ms. Dec. 800, 50 U. S. P. Q. —), *First Assistant Commissioner Frazer* affirmed the decision of the Examiner of Trade-Mark Interferences dismissing the opposition of Lamm Brothers, Incorporated, of Baltimore, Md., to the application of The Printz-Biederman Company, of Cleveland, Ohio, for registration of the notation "The Zip-Topper" as a trade-mark for "women's coats and suits." The First Assistant Commissioner stated that the only question to be determined was whether or not said mark is confusingly similar to opposer's mark, "Twin Topper," registered for "reversible coats, and zipper lined coats, for men, women, and children."

In finding the marks to be not confusingly similar, he stated:

"The word 'Topper' is conceded by both parties to be descriptive of the goods involved, and is disclaimed in opposer's registration and in the opposed application. It follows that the marks are dominated by the words 'Zip' and 'Twin,' respectively, and that the word 'Topper,' though a part of each mark, 'would furnish no indication to purchasers of the origin of the goods.' *Miles Laboratories, Inc.*, v. *The Pepsodent Co.*, 26 C. C. P. A. 1272, 104 Fed.(2d) 205. Manifestly the words 'Zip' and 'Twin' neither look alike nor sound alike, nor have the same significance. Moreover, they are 'ordinary words used in everyday conversation,' and are thus less likely to be confused than if their meaning were less commonly known. *The Bon Ami Co.* v. *McKesson & Robbins, Inc.*, 25 C. C. P. A. 826, 93 Fed.(2d) 915."

THE PURE OIL COMPANY *v.* PHILLIPS PETROLEUM COMPANY, Opposition No. 19,446.

In a decision rendered August 26, 1941 (163 Ms. Dec. 802, 50 U. S. P. Q. —), *First Assistant Commissioner Frazer* affirmed the decision of the Examiner of Trade-Mark Interferences dismissing the opposition of The Pure Oil Company, of Chicago, Ill., to the application of Phillips Petroleum Company, of Bartlesville, Okla., for registration of a composite trade-mark for gasoline. The First Assistant Commissioner described said mark as follows:

"The mark sought to be registered is the representation of a parrot, with a scroll in its mouth upon which is printed the word "Polymerized," the first four letters being displayed in much larger type than the remaining letters. The word, being descriptive of the goods, is disclaimed 'apart from the mark as shown in the drawing.'"

Opposer contended that "poly" is an abbreviation of "polymerized," and has been so used by it in connection with gasoline and related products since a time prior to applicant's first use of its trade-mark. Opposer argued in substance that a parrot is a "polly;" that "polly" and "poly" sound alike; that "poly" means "polymerized;" that "polymer-

ized" is descriptive of gasoline; and hence that the picture of a parrot, at least in association with the word "poly," is likewise descriptive.

In finding this argument untenable, the First Assistant Commissioner said:

"It is true, of course, 'that the use of a word as a trade-mark has the same effect as the use of a picture, if the word means the same as the picture.' *In re Riverbank Canning Co.*, 25 C. C. P. A. 1028, 95 Fed.(2d) 327. But manifestly that is not the situation here presented. Granting that 'polly' means 'parrot,' certainly 'poly' has no such meaning; and it is significance rather than sound that makes a word the equivalent of a picture. Moreover * * * applicant does not use the word 'Poly' alone, but only as a component part of the word 'Polymerized.'"

He concluded that the pictorial feature of applicant's mark is arbitrary and that the disclaimer fully protects opposer in its use of the descriptive word.

THE PURE OIL COMPANY *v.* PHILLIPS PETROLEUM COMPANY, Opposition No. 18,441.

In a decision rendered August 26, 1941 (163 Ms. Dec. 803, 50 U. S. P. Q. —), *First Assistant Commissioner Frazer* affirmed the decision of the Examiner of Trade-Mark Interferences sustaining the opposition of The Pure Oil Company, of Chicago, Ill., to the application of Phillips Petroleum Company, of Bartlesville, Okla., for registration of the word "Poly" as a trade-mark for gasoline, and adjudging applicant not entitled to the proposed registration. The opposer alleged, and the Examiner found, that said mark is descriptive of the goods, and had been used descriptively by opposer in connection with gasoline and related products since a time prior to applicant's claimed date of first use. In reaching the same conclusion as the Examiner, the First Assistant Commissioner stated:

"It is clear beyond argument that as used by applicant 'Poly' is an abbreviation of the word 'polymerized,' and is intended to be so understood by purchasers. That fact is conclusively established by an inspection of the specimen labels originally filed with the application, upon which the alleged trade-mark appears only as a part of the latter word, being displayed in larger type than the remaining letters. That 'polymerized' is descriptive of gasoline produced by the polymerization process is, of course, obvious. Nor is it material that applicant's product, as sold, may contain little or none of the gasoline so produced. If not descriptive, then the mark is deceptive, and is equally objectionable under the statute. *In re Bonide Chemical Co.*, 18 C. C. P. A. 909, 46 Fed.(2d) 705."

The First Assistant Commissioner stated that applicant did not deny that opposer had used the word "Poly" to describe its polymerization products before applicant adopted the word as a trade-mark, but did point out that opposer's use had never been "in a commercial or trade-mark sense," and for the most part had been confined to "intercompany correspondence."

In regard to this matter, the First Assistant Commissioner said:

"It is too well established to require the citation of authorities that one dealing in goods aptly described by the alleged trade-mark of a competitor need not prove his own use of such mark in order to prevent its registration. All that is required is a showing that he would probably be damaged, and it is my opinion that opposer has met that requirement."

WILLIAM J. WARDALL, TRUSTEE OF THE ESTATE OF MCKESSON & ROBBINS, INCORPORATED, DEBTOR *v.* J. D. RIEDEL-E. DE HAEN AKTIENGESELLSCHAFT, Cancellation No. 3630.

In a decision rendered August 29, 1941 (163 Ms. Dec. 804, 50 U. S. P. Q. —), *First Assistant Commissioner Frazer* affirmed the decision of the Examiner of Trade-Mark Interferences dismissing a petition by William J. Wardell, Trustee of the Estate of McKesson & Robbins, Incorporated, Debtor, of New York, N. Y., to cancel trade-mark registration No. 364,966, issued February 21, 1939, under the provisions of the act of February 20, 1905, to J. D. Riedel-E. de Haen Aktiengesellschaft, of Berlin, Germany.

In the petition it was alleged that petitioner, prior to respondent's claimed date of first use of the registered mark, had adopted and used a similar mark in connection with goods of the same descriptive properties as those set forth in the registration. It was also alleged that petitioner is the owner of two registrations of the mark relied upon, which had been issued to a third party. These allegations were denied in the answer, and no testimony was taken by either party.

The First Assistant Commissioner stated that since petitioner had failed to establish either use of the mark or ownership of the registrations the case was controlled by *Breese* v. *Tampax Sales Corporation*, 26 C. C. P. A. 208, 102 F.(2d) 808, from which he quoted as follows:

"Appellant, in her answer, challenged the allegation of appellee in its petition for cancelation that it was the owner of the trade-mark 'Tampax' and the owner of said trade-mark registration No. 294,959, issued to Tampax, Inc. The burden was therefore upon appellee to prove ownership and use of the trade-mark 'Tampax,' and before it could rely upon said registration No. 294,959, the burden was upon it to establish that ownership of the same had been transferred to it."

TRADE-MARKS

OFFICIAL GAZETTE, SEPTEMBER 30, 1941

[VOL. 530. No. 5]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 444,518. AMERICAN BROADTAIL CORPORATION, New York, N. Y. Filed June 14, 1941.

GOLD A B C SEAL
AMERICAN BROADTAIL

The words "American Broadtail" are disclaimed apart from the mark.

FOR FUR SKINS—NAMELY, AMERICAN BROADTAIL.

Claims use since July 15, 1933.

CLASS 2

RECEPTACLES

Ser. No. 430,108. THERVAC PRODUCTS, INC., New York, N. Y. Filed Mar. 28, 1940.

VAC

FOR AIR TIGHT BABY BOTTLE CONTAINER.

Claims use since January, 1938.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 445,154. HEMPHILL-MILLER, Tucson, Ariz. Filed July 7, 1941.

ARISTOCRAT

FOR SOAP FOR LEATHER ARTICLES AND SHOES.

Claims use since Jan. 1, 1940.

Ser. No. 445,191. AMERICAN COLLOID CORPORATION, New York, N. Y. Filed July 9, 1941.

DUOSOL

FOR EMULSIFYING AND DEGREASING SOLVENTS.

Claims use since July 1, 1937.

Ser. No. 445,348. VON SCHRADER MANUFACTURING COMPANY, Racine, Wis. Filed July 14, 1941.

Powderene

The word "Powder" is disclaimed apart from the mark.

FOR DRY CLEANING POWDER FOR RUGS.

Claims use since May 15, 1941.

Ser. No. 445,432. JOHN HUDSON MOORE, INC., New York, N. Y. Filed July 17, 1941.

SPORTSMAN

FOR HAND SOAP AND SHAVING SOAP.

Claims use since July 7, 1941.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 432,334. DR. VERN C. BALDWIN, Springfield, Ill. Filed May 25, 1940.

PainBuffer

The word "Pain" is disclaimed apart from the mark.

FOR MEDICINES UTILIZED FOR RUBBING ON THE GUMS OF A DENTAL PATIENT, IN PREPARATION FOR EXTRACTIONS OR DRILLING OPERATIONS IN A TOOTH CAVITY.

Claims use since Jan. 1, 1939.

Ser. No. 442,103. BRAY CHEMICAL CO., Chicago, Ill. Filed Mar. 31, 1941.

BIG DIME

The word "Dime" is disclaimed apart from the mark.
FOR LYE.
Claims use since Feb. 17, 1941.

Ser. No. 444,692. SUPERIOR PETROLEUM COMPANY, INCORPORATED, Louisville, Ky. Filed June 19, 1941.

R.A.F.

FOR INSECT SPRAY.
Claims use since June 2, 1941.

Ser. No. 444,705. INVESTO COMPANY, Los Angeles, Calif. Filed June 20, 1941.

NEOCITE

FOR MATERIAL FOR USE IN THE FORMATION OF BEDS OF MATERIAL FOR REFINING, FILTERING, AND SOFTENING OF FLUIDS.
Claims use since Mar. 12, 1941.

Ser. No. 444,909. MICHIGAN ALKALI COMPANY, Wyandotte, Mich. Filed June 27, 1941.

Wyandotte Better Blend Soda

No claim is made to the words "Better Blend Soda" apart from the mark.
FOR BICARBONATE OF SODA.
Claims use since June, 1941.

Ser. No. 444,971. DAVID LILIENBLUM, New York, N. Y. Filed June 30, 1941.

DEMIRUB

FOR DANDRUFF REMOVING PREPARATION.
Claims use since June 28, 1941.

Ser. No. 445,103. POWERIN CORPORATION, Buffalo, N. Y. Filed July 5, 1941.

POWERIN

FOR LIQUID ADDITIVE MODIFYING COMPOUND FOR USE WITH INTERNAL COMBUSTION ENGINE FUELS OF THE SPARK IGNITION TYPE FOR THE PURPOSE OF MINIMIZING CARBON FORMING AND OTHER OBNOXIOUS PRECIPITATIONS IN THE FIRE ZONE OF THE ENGINE.
Claims use since May 26, 1941.

Ser. No. 445,203. LENTHERIC, INCORPORATED, New York, N. Y. Filed July 9, 1941.

Soft Focus

FOR COSMETIC CREAMS, FACE POWDERS, ROUGES, LIPSTICKS, CREAM MAKE-UP BASES, LIQUID MAKE-UP BASES, AND CREAM ROUGES.
Claims use since June 16, 1941.

Ser. No. 445,381. CROCKETT LABORATORIES COMPANY, San Antonio, Tex. Filed July 16, 1941.

PETRO-ZINE

FOR VETERINARY MEDICINE HAVING PHENOTHIAZINE AS ITS ACTIVE COMPONENT EFFECTIVE FOR THE REMOVAL OF STOMACH WORMS (HAEMONCHUS CONTORTUS), HOOK WORMS, AND NODULAR WORMS (OESOPHAGOSTOMUM COLUMBIANUM) FROM SHEEP AND GOATS.
Claims use since Jan. 15, 1941.

Ser. No. 445,471. THE RESERVE RESEARCH COMPANY, Cleveland, Ohio. Filed July 18, 1941.

SULFONACREME

FOR MEDICINAL PREPARATION COMPRISING SULFANILAMIDE AND SULFATHIAZOLE IN POLYSTERNOL AND HAVING THE MEDICINAL AND THE THERAPEUTIC PROPERTIES OF TREATING ALL LOCAL INFECTIONS CAUSED BY STREPTOCOCCUS, PNEUMOCOCCUS, DIPLOCOCCUS, GONOCOCCUS, AND THE LIKE, THE SULFATHIAZOLE IS INDICATED IN STAPHLOCOCCUS INFECTIONS, PYOGENIC INFECTIONS, CERTAIN TYPES OF VIRUS, AND THE FUNGUS INFECTIONS.
Claims use since Dec. 9, 1940.

Ser. No. 446,035. ATLAS POWDER COMPANY, Wilmington, Del. Filed Aug. 7, 1941.

RENESITE

FOR EMULSIFYING, DISPERSING, SOLUBILIZING AND WETTING AGENTS.
Claims use since July 14, 1941.

Ser. No. 446,036. ATLAS POWDER COMPANY, Wilmington, Del. Filed Aug. 7, 1941.

SPAN

FOR EMULSIFYING, DISPERSING, SOLUBILIZING AND WETTING AGENTS.
Claims use since June 25, 1941.

Ser. No. 446,082. JAYGOL PRODUCTS CORP., New York, N. Y. Filed Aug. 8, 1941.

JAYGOL

FOR INSECTICIDES.
Claims use since July 11, 1941.

Ser. No. 446,286. HERMAN C. CASSINI, doing business as X-Sal Drug Company, Orange, N. J. Filed Aug. 15, 1941.

X-SAL

No claim is made to the word "Sal" apart from the association shown.
FOR SALINE PREPARATION HAVING LAXATIVE AND TREATMENT OF HYPERACIDITY PROPERTIES.
Claims use since Sept. 27, 1937.

CLASS 7

CORDAGE

Ser. No. 446,369. THE QUAKER OATS COMPANY, Chicago, Ill. Filed Aug. 19, 1941.

QUAKER

FOR BINDER TWINE.
Claims use since July 25, 1941.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 432,852. HENRY E. FREDERICK, doing business as Sterling Tool and Stamping Co., Chicago, Ill. Filed June 10, 1940.

RO-TRAY

No claim is made to the word "Tray" apart from the mark.
FOR COMBINATION CIGARETTE DISPENSER AND ASH TRAY.
Claims use since May 15, 1938.

CLASS 14

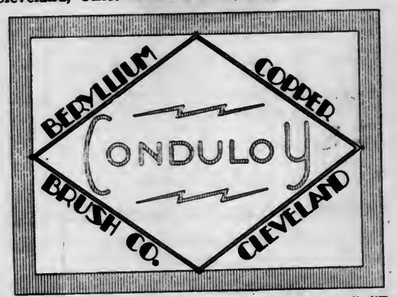
METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 440,358. THE BRUSH BERYLLIUM COMPANY, Cleveland, Ohio. Filed Feb. 6, 1941.

CONDULOY

FOR FERROUS AND NON-FERROUS ALLOY INGOTS, BILLETS, CASTINGS, FORGINGS, AND MOLDED, CAST, FORGED, PRESSED, EXTRUDED, ROLLED, OR WROUGHT METAL ARTICLES AND SHAPES OF UNITARY OR COMPOSITE CONSTRUCTION IN THE UNFINISHED AND SEMI-FINISHED CONDITION.
Claims use since July 27, 1939.

Ser. No. 440,359. THE BRUSH BERYLLIUM COMPANY, Cleveland, Ohio. Filed Feb. 6, 1941.



No claim is made to the words "Brush Co.," "Beryllium," "Copper," or "Cleveland" apart from the mark. The drawing is lined for red.
FOR FERROUS AND NON-FERROUS ALLOY INGOTS, BILLETS, CASTINGS, FORGINGS, AND MOLDED, CAST, FORGED, PRESSED, EXTRUDED, ROLLED, OR WROUGHT METAL ARTICLES AND SHAPES OF UNITARY OR COMPOSITE CONSTRUCTION IN THE UNFINISHED AND SEMI-FINISHED CONDITION.
Claims use since July 27, 1939.

Ser. No. 445,634. NATIONAL LEAD COMPANY, New York, N. Y. Filed July 25, 1941.



FOR ZINC AND ZINC ALLOYS.
Claims use since May, 1941.

CLASS 15

OILS AND GREASES

Ser. No. 442,871. METROPOLITAN COAL & OIL CO., INC., Indianapolis, Ind. Filed Apr. 23, 1941.

HOT SPOT
IT'S GOOD

The term "It's Good" is disclaimed apart from the mark.
FOR GASOLINE, FUEL OIL, AND MOTOR OIL.
Claims use since May 20, 1937.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 445,257. CONTINENTAL LITHOGRAPH CORPORATION, Cleveland, Ohio. Filed July 11, 1941.

Conti-Glo

FOR LUMINESCENT LACQUERS, LUMINESCENT PAINT ENAMELS, DRY AND READY-MIXED PAINTS, AND LUMINESCENT PAINT COATINGS, COLORS, AND PIGMENTS FOR COATINGS FOR FLEXIBLE AND RIGID SURFACES.
Claims use since Jan. 1, 1937.

Ser. No. 445,295. THE MURALO COMPANY, INC., New Brighton, N. Y. Filed July 12, 1941.

STA-ROK

FOR CEMENT PAINT.
Claims use since Dec. 4, 1940.

Ser. No. 445,642. SOMAT PRODUCTS, INC., Miami, Fla. Filed July 25, 1941.

"TOPPER"

FOR OIL PAINT.
Claims use since Mar. 21, 1941.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 439,610. THE WESTERN UNION TELEGRAPH COMPANY, New York, N. Y. Filed Jan. 11, 1941.

Multifax

FOR ELECTRICAL SCANNING MACHINE FOR PRODUCING STENCILS AND OTHER MASTER COPIES OF SUBJECT MATTER ON SHEETS AND PLATES FOR DUPLICATING PURPOSES.
Claims use since Apr. 22, 1940.

Ser. No. 440,094. THE HOLTZER-CABOT ELECTRIC COMPANY, Boston, Mass. Filed Jan. 29, 1941.

PHONACALL

FOR TELEPHONE COMMUNICATION SYSTEMS PARTICULARLY DESIGNED FOR HOSPITAL SERVICE, AND EQUIPMENT THEREFOR AND PARTS THEREOF, INCLUDING PATIENTS' AND CENTRAL DESK STATIONS, MICROPHONES, LOUD SPEAKERS AND SWITCHBOARDS.
Claims use since Feb. 4, 1937.

Ser. No. 446,106. GENERAL ELECTRIC COMPANY, Schenectady, N. Y. Filed Aug. 9, 1941.

OILX

FOR INSULATED ELECTRIC CORD.
Claims use since March, 1941.

Ser. No. 446,134. ELECTRONIC LABORATORIES, INCORPORATED, Indianapolis, Ind. Filed Aug. 11, 1941.

PORTAPOWER

FOR ELECTRIC VIBRATOR-TYPE POWER SUPPLY UNITS INCLUDING D. C. TO A. C. CONVERTERS AND D. C. TO D. C. TRANSFORMERS.
Claims use since Dec. 1, 1937.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 434,715. THOMAS FAZIO, Yorktown Heights, N. Y. Filed Aug. 6, 1940.

ROUND ROBIN
CHAMPIONSHIP

The drawing is lined for red.
FOR GOLF BALLS.
Claims use since June 1, 1939.

Ser. No. 444,776. THE SUN RUBBER COMPANY, Barberton, Ohio. Filed June 23, 1941.

SUNRUCO

FOR RUBBER TOYS—NAMELY, TOY HOT WATER BOTTLES AND TOY NURSING SETS AND DOLLS.
Claims use since 1932.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 442,782. CULLEN-FRIESTEDT COMPANY, Chicago, Ill. Filed Apr. 21, 1941.

C-F

FOR STATIONARY POWER DRIVEN APPARATUS FOR PULLING RAILROAD CARS, GANTRY CRANES, INGOT MOLD LIFTERS, SHEET LIFTERS, WELDING POSITIONERS, CROSS TIE LIFTERS AND SWITCH TIE LIFTERS.
Claims use since May, 1927.

Ser. No. 446,078. THE DE LAVAL SEPARATOR COMPANY, New York, N. Y. Filed Aug. 8, 1941.

SPEEDWAY

FOR MILKING MACHINES, TEAT CUPS, AND PARTS AND ATTACHMENTS THEREFOR.
Claims use since July 1, 1941.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 440,485. AMERICAN OPTICAL COMPANY, Southbridge, Mass. Filed Feb. 10, 1941.

SUN-VEIL

FOR OPHTHALMIC LENSES, EYE PROTECTION LENSES, BLANKS FOR SUCH LENSES, GOGGLES AND SUNGLASSES.
Claims use since Apr. 4, 1940.

Ser. No. 443,391. BOL, LTD., New York, N. Y. Filed May 9, 1941.

BOLCA

FOR CINEMATOGRAPHIC AND PHOTOGRAPHIC APPARATUS AND ACCESSORIES THERETO—NAMELY, PHOTOGRAPHIC CAMERAS AND PROJECTORS, MOTION PICTURE CAMERAS AND PROJECTORS, LENSES, FILTERS, FILTER HOLDERS, FADING DEVICES, DEVICES FOR DELAYED EXPOSURE, SHUTTERS, PHOTOGRAPHIC ENLARGERS, TILTING DEVICES, SPLICERS, FILM VIEWERS, FILM WINDERS, PROJECTION SCREENS, EXPOSUREMETERS, FILM PRINTING AND DEVELOPING APPARATUS, DEVELOPING TANKS, FILM MAGAZINES, TRIPODS AND TRIPOD HEADS.
Claims use since Feb. 24, 1941.

Ser. No. 444,698. FINK-ROSELIEVE CO., INC., New York, N. Y. Filed June 20, 1941.

Reporter

FOR PHOTOGRAPHIC APPARATUS AND ACCESSORIES THERETO.
Claims use since June 17, 1941.

Ser. No. 445,995. THE MERCURY CORPORATION, Kansas City, Mo. Filed Aug. 5, 1941.

CUB

FOR COMBINATION BATTERY CHARGING AND TESTING APPARATUS.
Claims use since July 9, 1941.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 440,642. BORG-WARNER CORPORATION, Chicago, Ill. Filed Feb. 14, 1941.

NIGHT WATCH

FOR DEFROSTING EQUIPMENT FOR REFRIGERATORS.
Claims use since Dec. 20, 1940.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 442,471. YONKERS MATTRESS CO., INC., Yonkers, N. Y. Filed Apr. 10, 1941.

A Sleepy-Manor

FOR MATTRESSES, BOX SPRINGS, AND UPHOLSTERED FURNITURE.
Claims use since Feb. 14, 1939.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 441,006. L. J. WING MANUFACTURING COMPANY, New York, N. Y. Filed Feb. 26, 1941.

WING DRAFT-INDUCER

The words "Draft-Inducer" are disclaimed apart from the mark.
FOR FANS USED IN CONNECTION WITH FUEL BURNING DEVICES.
Claims use since Mar. 28, 1938.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 439,683. PROGRESSIVE MUSICAL INSTRUMENT CORPORATION, New York, N. Y. Filed Jan. 14, 1941.



The drawing is lined for red and yellow.
FOR MUSICAL INSTRUMENTS—NAMELY, VIOLINS, VIOLAS, CELLOS, STRING BASSES, GUITARS, MANDOLINS, BANJOS, UKULELES, TRUMPETS, BUGLES, SAXOPHONES, CLARINETS, FLUTES, PHONOGRAPHS, DRUMS, ACCORDIONS, AND MUSICAL INSTRUMENT ACCESSORIES AND SUPPLIES, —NAMELY, STRINGS FOR STRING INSTRUMENTS, GUITAR PICKS, TUNING PEGS, VIOLIN CHIN RESTS, VIOLIN BOWS, MUTES, REEDS, PHONOGRAPH NEEDLES.
Claims use since March, 1931.

CLASS 37

PAPER AND STATIONERY

Ser. No. 439,332. CHARLES B. CHRYSTAL CO., INCORPORATED, New York, N. Y. Filed Jan. 2, 1941.



No claim is made to the word "Talcut" apart from the mark.
FOR METAL WORKER'S CRAYONS.
Claims use since December, 1897.

Ser. No. 443,222. CURTIS 1000 INCORPORATED, St. Paul, Minn. Filed May 3, 1941.

CurtiseeMailer

The word "Mailer" is disclaimed apart from the mark.
FOR CORRESPONDENCE AND MAILING ENVELOPES.
Claims use since Jan. 20, 1941.

Ser. No. 443,918. COURIER-CITIZEN COMPANY, Lowell, Mass., doing business as Uniform Printing and Supply, Division of Courier-Citizen Company, Chicago, Ill. Filed May 26, 1941.

CONCURRENT

FOR BOND PAPER.
Claims use since February, 1932.

Ser. No. 443,919. COURIER-CITIZEN COMPANY, Lowell, Mass., doing business as Uniform Printing and Supply, Division of Courier-Citizen Company, Chicago, Ill. Filed May 26, 1941.

Dominant

FOR BOND PAPER.
Claims use since August, 1917.

Ser. No. 445,369. THE STERILEK COMPANY, INC., New York, N. Y. Filed July 15, 1941.

AMERICAN BELLE

The word "American" is disclaimed apart from the mark.
FOR FACIAL TISSUE.
Claims use since Mar. 20, 1941.

Ser. No. 445,515. ALDINE PAPER COMPANY, INC., New York, N. Y. Filed July 21, 1941.

''ALDRITE''

FOR HEAT SEALING PAPER FOR USE IN TEA-BAGS, ENVELOPES, PAPER BAGS, OR OTHER CONTAINERS, FILTERS, HATS, APRONS, ETC.
Claims use since June 27, 1941.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 442,232. KELLOGG COMPANY, Battle Creek, Mich. Filed Apr. 3, 1941.

Snap, Crackle and Pop

FOR DRAWINGS, ILLUSTRATED STORIES, CARTOONS, ILLUSTRATIONS, AND/OR PUBLICATIONS ISSUED, APPEARING, AND/OR PUBLISHED FROM TIME TO TIME.
Claims use since Feb. 14, 1941.

Ser. No. 443,542. THE PARENTS' INSTITUTE, INC., New York, N. Y. Filed May 13, 1941.

The BOYS' and GIRLS' DIGEST

Applicant disclaims the word "Digest" apart from the mark.
FOR PUBLICATION PUBLISHED MONTHLY CONTAINING SERIES OF CARTOONS AND ARTICLES.
Claims use since Apr. 23, 1941.

Ser. No. 443,995. BOOK AGENTS OF THE METHODIST EPISCOPAL CHURCH, SOUTH, doing business as Abingdon-Cokesbury Press, Nashville, Tenn. Filed May 28, 1941.



Translation of Latin words is: "Literature is a torch. The light is God."
FOR BOOKS, PAMPHLETS, MAGAZINES.
Claims use since Jan. 1, 1920.

Ser. No. 444,628. AUTOMOBILE DIGEST PUBLISHING COMPANY, Cincinnati, Ohio. Filed June 18, 1941.

Minicam Photography

The word "Photography" is disclaimed apart from the mark.
FOR PERIODICAL PUBLICATION.
Claims use since February, 1940.

Ser. No. 444,824. FAWCETT PUBLICATIONS, INC., Greenwich, Conn. Filed June 25, 1941.

BULLETMAN

FOR QUARTERLY PUBLICATION CONTAINING CARTOONS AND STORIES.
Claims use since May 14, 1941.

CLASS 39

CLOTHING

Ser. No. 437,173. MILTON L. HELLER, doing business as Fringing & Stitching Company, New York, N. Y., assignor to Poopee Snoopee Inc., a corporation of New York. Filed Oct. 22, 1940.

Poo-Pee Snoo-Pee

FOR MEN'S, WOMEN'S, AND CHILDREN'S COATS, HATS, CAPS, HOSIERY, SCARVES, GLOVES OF LEATHER AND/OR FABRIC; MEN'S AND BOYS' UNDERSHIRTS, UNDERSHORTS AND OUTER SHIRTS; WOMEN'S AND GIRLS' UNDERDRAWERS, SUCH AS STEP-INS, PANTIES AND BLOOMERS; AND STREET PAJAMA SUITS.
Claims use since March, 1937.

Ser. No. 442,300. J. R. BEATON CO., INC., New York, N. Y., assignor to Berkshire Knitting Mills, Wyomissing, Pa., a corporation of Pennsylvania. Filed Apr. 5, 1941.

"AS YOU LIKE IT"

FOR SPORTS SWEATERS, SPORTS BLOUSES, SPORTS DRESSES, AND SLACKS FOR GIRLS AND WOMEN.
Claims use since October, 1937.

Ser. No. 442,604. ELMER E. SHAFFER, doing business as Clover Cravat Company, Philadelphia, Pa. Filed Apr. 15, 1941.



Applicant disclaims the words "Tie" and "Tough on Wear" and the picture of the necktie.
FOR MEN'S AND BOYS' NECKTIES.
Claims use since Mar. 1, 1940.

Ser. No. 444,240. SPORTS GUILD, INC., New York, N. Y. Filed June 5, 1941.

SIGN-POST

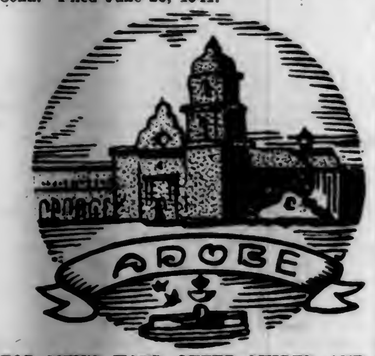
FOR WOMEN'S, MISSES', AND CHILDREN'S WEARING APPAREL—NAMELY, DRESSES, OUTER SKIRTS, OUTER SHIRTS, SLACKS, BLOUSES, PAJAMAS, HATS, SUITS, AND COATS.
Claims use since Apr. 3, 1941.

Ser. No. 444,672. ALFRED HALE RUBBER COMPANY, Quincy, Mass. Filed June 19, 1941.

SQUEEGEE

FOR SHOE SOLES.
Claims use since Apr. 10, 1941.

Ser. No. 444,711. STEPHEN J. PALINKOS, South Norwalk, Conn. Filed June 20, 1941.



FOR MEN'S HATS, OUTER SHIRTS, AND NECKTIES.
Claims use since Mar. 18, 1941.

Ser. No. 444,713. STEPHEN J. PALINKOS, South Norwalk, Conn. Filed June 20, 1941.



FOR MEN'S HATS, OUTER SHIRTS, AND NECKTIES.
Claims use since Apr. 1, 1941.

Ser. No. 445,014. JENCO BROTHERS, INC., Paterson, N. J. Filed July 2, 1941.

Nojar SUPER FIFTY

No claim is made to the words "Super Fifty" apart from the mark.
FOR RUBBER HEELS.
Claims use since June 1, 1941.

Ser. No. 445,303. SHOECRAFT, INC., New York, N. Y. Filed July 12, 1941.

CANTEEN

FOR SHOES MADE OF LEATHER, RUBBER, OR FABRIC, AND/OR COMBINATIONS OF THESE MATERIALS.
Claims use since July 7, 1941.

Ser. No. 445,549. GLOVECRAFT INC., Johnstown, N. Y. Filed July 22, 1941.

"Handout"

FOR LADIES' WOOL-LINED LEATHER MITTENS.
Claims use since July 1, 1941.

Ser. No. 445,661. SAMUEL LISH, New York, N. Y. Filed July 26, 1941.

Gim-Gick

FOR WOMEN'S AND CHILDREN'S HATS, BERETS, AND TAM-O-SHANTERS.
Claims use since Apr. 24, 1941.

Ser. No. 445,696. I. MILLER & SONS, INC., Long Island City, N. Y. Filed July 28, 1941.

NUT SHELL

FOR LADIES' SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS OF THESE MATERIALS.
Claims use since July 8, 1941.

Ser. No. 445,697. I. MILLER & SONS, INC., Long Island City, N. Y. Filed July 28, 1941.

WILD OLIVE

FOR LADIES' SHOES MADE OF LEATHER, FABRIC, AND COMBINATION OF THESE MATERIALS.
Claims use since July 8, 1941.

Ser. No. 445,732. SIDNEY HENRY, doing business as S. H. HIRSCH, New York, N. Y. Filed July 29, 1941.

TIDY LOCKS

FOR HAIR NETS AND WATER WAVE NETS.
Claims use since July 2, 1941.

Ser. No. 445,813. JAY SHOE MFG. CO., Cambridge, Mass. Filed July 31, 1941.

Luxury-Stride

FOR WOMEN'S SHOES OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF.
Claims use since July 19, 1941.

Ser. No. 445,817. SAMUEL LISH, New York, N. Y. Filed July 31, 1941.

DOVENE

FOR WOMEN'S AND CHILDREN'S HATS, BERETS, AND TAM-O-SHANTERS.
Claims use since June 23, 1941.

Ser. No. 445,951. JULIUS NELSON CORPORATION, New York, N. Y. Filed Aug. 4, 1941.

WIND NIPPER

FOR LADIES' COATS.
Claims use since May 9, 1941.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 444,934. GEMEX COMPANY, Newark, N. J. Filed June 28, 1941.

GEMEX

FOR WRIST WATCH STRAPS OF LEATHER OR FABRIC, AND BUCKLES FOR CLOTHING, CUFF AND COLLAR BUTTONS OF NON-PRECIOUS METAL.
Claims use since June 15, 1935.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 445,250. AMERENG FABRICS, INC., New York, N. Y. Filed July 11, 1941.

YORK COUNTRY TWEED

The words "York" and "Tweed" are disclaimed apart from the mark.
FOR WOOLEN AND WORSTED PIECE GOODS.
Claims use since Apr. 23, 1940.

Ser. No. 445,923. MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Aug. 4, 1941.

AIRLIGHT

FOR LACE CURTAINS.
Claims use since February, 1941.

Ser. No. 445,925. MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Aug. 4, 1941.

LIGHTLURE

FOR LACE CURTAINS.
Claims use since February, 1941.

Ser. No. 445,926. MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Aug. 4, 1941.

VARIETTE

FOR LACE CURTAINS.
Claims use since February, 1941.

Ser. No. 446,010. CLARENCE WHITMAN & SONS, INC., New York, N. Y. Filed Aug. 5, 1941.

FLORATONE

FOR BEDSPREADS AND DRAPERIES.
Claims use since July 29, 1941.

Ser. No. 446,162. EVERFAST FABRICS, INC., New York, N. Y. Filed Aug. 12, 1941.

SERGELLA

FOR COTTON PIECE GOODS.
Claims use since May 1, 1940.

Ser. No. 446,269. THE ERWIN COTTON MILLS COMPANY, Durham, N. C. Filed Aug. 15, 1941.

FUNWEAR

FOR DENIM AND OTHER FABRICS OF COTTON, RAYON (VISCOSE AND ACETATE), LINEN. AND COMBINATIONS THEREOF IN THE PIECE.
Claims use since Sept. 3, 1940.

CLASS 43

THREAD AND YARN

Ser. No. 442,591. FLOCK MANUFACTURING COMPANY, Philadelphia, Pa. Filed Apr. 15, 1941.

KRESCO

FOR KNITTING YARNS—NAMELY, WOOL KNITTING YARNS, WORSTED KNITTING YARNS, AND VARIOUS OTHER YARNS MADE OF WOOL, WOOL AND RAYON BLENDED INTO A KNITTING YARN, AND ANGORA.
Claims use since Apr. 10. 1941.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 443,784. EDWARD A. SPARE, Camden, N. J. Filed May 21, 1941.

Dr. Booster

FOR MALTLESS NON-ALCOHOLIC BEVERAGE SOLD AS SOFT DRINKS.
Claims use since Jan. 15, 1939.

Ser. No. 444,565. CLICQUOT CLUB COMPANY, Millis, Mass. Filed June 16, 1941.





FOR CARBONATED WATER, CLUB SODA, QUININE SODA, AND CARBONATED, NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SIRUPS AND EXTRACTS USED IN MAKING THE SAME.
Claims use since Jan. 7, 1914.

Ser. No. 445,789. THE APPLE BEVERAGE CORPORATION, New York, N. Y. Filed July 31, 1941.

SPREE

FOR CARBONATED NON-ALCOHOLIC BEVERAGE.
Claims use since July, 1940.

Ser. No. 445,880. CASCELLA SPRINGS CO., Three Rivers, Mass. Filed Aug. 2, 1941.

Thirty

FOR NONALCOHOLIC MALTLESS BEVERAGES.
Claims use since July 23, 1941.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 429,743. C. PAPPAS COMPANY, INC., Boston, Mass. Filed Mar. 19, 1940.



Applicant is the owner of trade-mark registration No. 215,760. The drawing is lined for green and gold.
FOR COTTONSEED OIL USED AS A SALAD DRESSING FOR FOOD PURPOSES.
Claims use since Mar. 5, 1940.

Ser. No. 432,575. GARDEN GROVE MUTUAL ORANGE ASSN., Garden Grove, Calif. Filed June 1, 1940.

SKIWARD

FOR FRESH CITRUS FRUITS.
Claims use since May 15, 1940.

Ser. No. 441,864. WM. H. GARDNER, doing business as Gardner Food Products Co., Los Angeles, Calif. Filed Mar. 24, 1941.



FOR SALAD DRESSING.
Claims use since Feb. 25, 1941.

Ser. No. 442,870. MARKETS, INC., Oakland, Calif. Filed Apr. 23, 1941.

Crackin' Good

No claim is made to the word "Good" apart from the mark.
FOR FRESH VEGETABLES—NAMELY, POTATOES.
Claims use since Apr. 14, 1941.

Ser. No. 443,141. STANDARD BRANDS INCORPORATED, New York, N. Y. Filed Apr. 30, 1941.



The applicant is the owner of registrations 270,642, 272,993, 333,295, and 181,036.
FOR YEAST.
Claims use since Mar. 4, 1941.

Ser. No. 443,468. SYNFLEUR SCIENTIFIC LABORATORIES, INC., Monticello, N. Y. Filed May 10, 1941.



No claim is made to the term "Trade Mark" apart from the mark. Applicant is the owner of registrations 68,297 and 389,384.

FOR FLAVORING EXTRACTS FOR FOOD PURPOSES.

Claims use since Jan. 1, 1905.

Ser. No. 444,294. MAX AMS, INC., New York, N. Y. Filed June 7, 1941.

AirlinE

FOR HONEY, FRUIT PRESERVES, JELLIES, MARMALADE, APPLE BUTTER, PEANUT BUTTER, FRUIT JUICES FOR FOOD PURPOSES, FLOUR—NAMELY, DOUGHNUT FLOUR, BAKING CHOCOLATE, GELATINE DESSERT POWDERS, BAKING POWDER, FOOD FLAVORING EXTRACTS, VINEGAR, MAYONNAISE, AND CONDIMENTS—NAMELY, MUSTARD AND PEPPER.

Claims use since Nov. 3, 1911.

Ser. No. 444,682. THE QUAKER OATS COMPANY, Chicago, Ill. Filed June 21, 1941.



The word "Pure" is disclaimed apart from the mark. Applicant is the owner of registrations 26,252, 56,706, and 67,484.

FOR SOUP.

Claims use since May 7, 1941.

Ser. No. 444,750. F. E. BOOTH COMPANY, INC., San Francisco, Calif. Filed June 23, 1941.

Sar-D-Spred

No claim is made to the word "Spred" apart from the mark.

FOR CANNED SARDINE SPREAD.

Claims use since Mar. 29, 1941.

Ser. No. 444,843. WHITSON PRODUCTS CO. INC., New York, N. Y. Filed June 25, 1941.

Baiz

FOR ICE CREAM IMPROVER MADE WITH DEXTROSE AND VEGETABLE GUM.

Claims use since May 19, 1941.

Ser. No. 445,384. ALFREDO DE MATTEIS, Valley Stream, N. Y. Filed July 16, 1941.

TOS-D-NET

FOR TOASTED THROUGHOUT BREAD MADE IN ROLLS.

Claims use since Sept. 4, 1940.

Ser. No. 445,582. THE KROGER GROCERY & BAKING COMPANY, Cincinnati, Ohio. Filed July 23, 1941.

Thiron

FOR BREAD.

Claims use since May 15, 1941.

Ser. No. 445,846. GENERAL MILLS, INC., Minneapolis, Minn. Filed Aug. 1, 1941.

SUREBUILD

FOR MILLED GRAIN PRODUCTS, PARTICULARLY POULTRY FEED.

Claims use since Jan. 3, 1936.

Ser. No. 445,901. RICHGROVE-JASMINE CITRUS ASSOCIATION, Richgrove, Calif. Filed Aug. 2, 1941.

CONVOY

FOR FRESH CITRUS FRUITS.

Claims use since July 15, 1941.

Ser. No. 445,908. E. A. AARON & BROS., Chicago, Ill. Filed Aug. 4, 1941.

SNOCO

FOR SHREDDED COCONUT.

Claims use since Mar. 1, 1941.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 442,466. M. STANLEY WEBER, Chicago, Ill. Filed Apr. 10, 1941.

Celleate Safety

No claim is made to the word "Safety" apart from the mark.

FOR CELLULOSE ACETATE SHEETS, FILMS, RODS, AND TUBES.

Claims use since July 30, 1940.

Ser. No. 444,372. CARMEN BARRANGO, San Francisco, Calif. Filed June 10, 1941.

MANNEQUINS by Barrango

Applicant disclaims the words "Barrango" and "Mannequins" apart from the mark. The drawing is lined for blue.

FOR MANNEQUINS AND DRESS FORMS.

Claims use since Feb. 1, 1926.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

SEPTEMBER 30, 1941

390,552. SANDWICH SPREAD AND SALAD DRESSING. A. JUDSON CHURCHILL, South Jacksonville, Fla.
Filed September 27, 1939. Serial No. 423,971. PUBLISHED DECEMBER 3, 1940. Class 46.

390,553. BREAD. LANGENDORF UNITED BAKERIES, INC., San Francisco, Calif.
Filed October 7, 1939. Serial No. 424,325. PUBLISHED JULY 22, 1941. Class 46.

390,554. SERVICE TRAYS MADE OF PLASTIC OR PAPER PULP. JOHN B. BANE, doing business as Tom Thumb Tray Company, Los Angeles, Calif.
Filed April 9, 1940. Serial No. 430,537. PUBLISHED JULY 22, 1941. Class 2.

390,555. SPORT SHIRTS AND PAJAMAS. THE ENRO SHIRT COMPANY, INC., Louisville, Ky.
Filed April 22, 1940. Serial No. 431,042. PUBLISHED JULY 2, 1940. Class 39.

390,556. COSTUME JEWELRY NOT INCLUDING WATCHES, FINGER RINGS, BRACELETS, LAVALIERES, LOCKETS, BROOCHES, ORNAMENTAL PINS. LILLIAN RUSSELL, Kew Gardens, N. Y.
Filed April 22, 1940. Serial No. 431,100. PUBLISHED JULY 22, 1941. Class 28.

390,557. COUMARONE—INDENE, OR SO-CALLED COUMARONE OR PARA-COUMARONE, RESINS; CYCLOPARAFFIN RESINS; RESINS COMPRISING POLYMERS OF CYCLOPENTADIENE OR DICYCLOPENTADIENE AND MODIFIED RESINS; CRUDE AND REFINED COAL TARS; AND PITCH. THE NEVILLE COMPANY, Neville Island, Pa.
Filed April 23, 1940. Serial No. 431,126. PUBLISHED JULY 22, 1941. Class 1.

390,558. FRESH DECIDUOUS FRUITS AND VEGETABLES; CANNED FRUITS, VEGETABLES, FRUIT AND VEGETABLE JUICES FOR FOOD PURPOSES, FROZEN FRESH VEGETABLES AND BERRIES, DRIED VEGETABLES, RICE, COFFEE, TEA, CRACKERS, SALT, AND BREAKFAST CEREAL FOODS. FINE FOODS, INC., Seattle, Wash.
Filed May 6, 1940. Serial No. 431,602. PUBLISHED JANUARY 21, 1941. Class 46.

390,559. ANY COMBINED CONCENTRATED SOUP MIX. MOTHER HUBBARD CAKE CO., INC., Chicago, Ill.
Filed May 18, 1940. Serial No. 432,092. PUBLISHED JANUARY 14, 1941. Class 46.

390,560. GIRLS', CHILDREN'S, AND INFANTS' COATS, CAPES, SKIRTS, AND JACKETS. LITTLE COUNTESS GIRLS COATS CO., INC., New York, N. Y.
Filed June 5, 1940. Serial No. 432,708. PUBLISHED JULY 22, 1941. Class 39.

390,561. HYDRAULIC TORQUE CONVERTERS AND HYDRAULIC COUPLINGS. TWIN DISC CLUTCH COMPANY, Racine, Wis.
Filed June 17, 1940. Serial No. 433,110. PUBLISHED JULY 22, 1941. Class 23.

390,562. DEHYDRATED PARSLEY FLAKES. MOTHER HUBBARD CAKE CO., INC., Chicago, Ill.
Filed July 31, 1940. Serial No. 434,540. PUBLISHED FEBRUARY 4, 1941. Class 46.

390,563. SHEETS OF FELTED FIBROUS MATERIAL IMPREGNATED WITH BITUMINOUS WATER-RESISTING MATERIAL, ROOFING AND SHINGLES AND SIDING OF FELT BASE SATURATED WITH ASPHALT SATURANT, USED AS CONSTRUCTION MATERIALS. CERTAIN-TEED PRODUCTS CORPORATION, New York, N. Y.
Filed August 2, 1940. Serial No. 434,594. PUBLISHED JULY 22, 1941. Class 12.

390,564. ADVERTISING MATERIAL SOLD AS SUCH—NAMELY, ADVERTISING CARDS, ADVERTISING PANELS, ETC. MORRIS HOWELL ARMOR, doing business as David Howell, Van Nuys, Calif.
Filed August 6, 1940. Serial No. 434,707. PUBLISHED JULY 15, 1941. Class 38.

390,565. SHEETS OF FELTED FIBROUS MATERIAL IMPREGNATED WITH BITUMINOUS WATER-RESISTING MATERIAL; ROOFING AND SHINGLES AND SIDING OF FELT BASE SATURATED WITH ASPHALT SATURANT AND USED AS CONSTRUCTION MATERIALS. CERTAIN-TEED PRODUCTS CORPORATION, New York, N. Y.
Filed August 14, 1940. Serial No. 434,968. PUBLISHED JULY 22, 1941. Class 12.

390,566. LADIES' AND MISSES' SLIPS. MANHATTAN UNDERGARMENT CO., INC., New York, N. Y.
Filed August 21, 1940. Serial No. 435,214. PUBLISHED JULY 8, 1941. Class 39.

390,567. DOMESTIC SERVICE ELECTRICAL DEVICES INCLUDING RADIO RECEIVING SETS AND HOUSEHOLD SERVICE UTENSILS, ETC. HI-SPEED TIRE AND ACCESSORY COMPANY, Toledo, Ohio.
Filed October 8, 1940. Serial No. 436,725. PUBLISHED JULY 22, 1941. Class 21.

390,568. QUESTION AND ANSWER GAMES, CARD GAMES, TABLE BOARD GAMES, COUNTER GAMES, AND DICE GAMES. QUIZ KIDS, INC., Chicago, Ill., assignor to Louis G. Cowan, Chicago, Ill.
Filed October 12, 1940. Serial No. 436,905. PUBLISHED JULY 22, 1941. Class 22.

390,569. SAUSAGE. SWIFT AND COMPANY, Chicago, Ill.
Filed October 10, 1940. Serial No. 436,824. PUBLISHED JULY 15, 1941. Class 46.

390,570. WRITING PAPER. DOWIS L. DYER, Tulsa, Okla.
Filed October 21, 1940. Serial No. 437,126. PUBLISHED JULY 22, 1941. Class 37.

390,571. BAKER'S BREAD. MUNZENMAIER BAKING CO. INC., Forest Hills, Long Island, N. Y.
Filed October 21, 1940. Serial No. 437,141. PUBLISHED JULY 22, 1941. Class 46.

390,572. BUILDER'S HARDWARE—NAMELY, DOOR STOPS, COAT AND HAT HOOKS, DOOR KNOBS, HANDLES, PULLS, SASH LIFTS, ETC. INDEPENDENT LOCK COMPANY, Fitchburg, Mass.
Filed November 8, 1940. Serial No. 437,682. PUBLISHED JULY 22, 1941. Class 13.

390,573. PAINT BRUSHES. DEVOE & RAYNOLDS COMPANY, INC., New York, N. Y.
Filed November 14, 1940. Serial No. 437,856. PUBLISHED JULY 22, 1941. Class 29.

390,574. LADIES' KNITTED SWEATERS. OLYMPIC KNITWEAR, INC., New York, N. Y.
Filed November 22, 1940. Serial No. 438,147. PUBLISHED FEBRUARY 4, 1941. Class 39.

390,575. WEEKLY NEWSPAPER SHOWING NOTABLE EVENTS AND PICTURES. THE SOUTHWEST MAGAZINE CO., INC., Fort Worth, Tex.
Filed November 22, 1940. Serial No. 438,158. PUBLISHED MAY 27, 1941. Class 38.

390,576. MEN'S, WOMEN'S, AND CHILDREN'S SPORT SHIRTS, POLO SHIRTS, SPORT JACKETS, SLACKS, SHORTS, ETC. ALEX. WERTHEIM KNITWEAR, INC., New York, N. Y.
Filed December 3, 1940. Serial No. 438,496. PUBLISHED JULY 15, 1941. Class 39.

390,577. WOMEN'S AND MISSES' PILE FABRIC AND CLOTH COATS AND CLOTH SUITS. PHILIP SHLANSKY & BRO., INC., New York, N. Y.
Filed December 11, 1940. Serial No. 438,745. PUBLISHED JULY 22, 1941. Class 39.

390,578. MEN'S, WOMEN'S, AND CHILDREN'S UNDERWEAR; MEN'S, WOMEN'S, AND CHILDREN'S SLEEPING GARMENTS—NAMELY, NIGHTGOWNS, PAJAMAS, BED JACKETS, AND NIGHT CAPS; HOUSECOATS, BATHROBES, NEGLIGEES, AND HOSIERY. VANITY FAIR SILK MILLS, Reading, Pa.
Filed December 23, 1940. Serial No. 439,131. PUBLISHED APRIL 29, 1941. Class 39.

390,579. LAMINATED PRINTED SHEETS AND PRINTED MATTER AS FOLLOWS—CARDS HAVING HIGHLY FINISHED SURFACES, SECTIONAL PRICE MARKERS, AND PRICE TICKETS. THE HOPP PRESS, INCORPORATED, New York, N. Y.
Filed January 3, 1941. Serial No. 439,389. PUBLISHED JUNE 17, 1941. Class 38.

390,580. TRANSPARENT RECEPTACLES OR PARTS OF RECEPTACLES MADE FROM "PLIOFILM," "CELLOPHANE," OR THE LIKE—NAMELY, REFRIGERATOR BAGS, BREAD AND CAKE BAGS, VEGETABLE BAGS, COSMETIC BAGS, UTILITY BAGS, HAT BAGS, SEWING BOXES, BLANKET BAGS, LINEN BAGS, AND HANDKERCHIEF BAGS. A. L. SIEGEL CO., INC., Newark, N. J.
Filed January 21, 1941. Serial No. 439,839. PUBLISHED JULY 22, 1941. Class 2.

390,581. HATS FOR MEN, WOMEN, AND CHILDREN. JOHN B. STETSON COMPANY, Philadelphia, Pa.
Filed January 29, 1941. Serial No. 440,103. PUBLISHED JUNE 17, 1941. Class 39.

390,582. CHILDREN'S CLOTHING—NAMELY, COATS, DRESSES, JACKETS, OUTER SKIRTS, SLACKS, BLOUSES, SWEATERS, HATS, OUTER SHORTS, AND BATHING SUITS. CHAS. A. STEVENS & CO., Chicago, Ill.
Filed January 31, 1941. Serial No. 440,182. PUBLISHED JULY 22, 1941. Class 39.

390,583. LAUNDRY WASHING MACHINES. ALTORFER BROS. COMPANY, Peoria, Ill.
Filed February 7, 1941. Serial No. 440,401. PUBLISHED JULY 22, 1941. Class 24.

390,584. ROBES AND REGALIA TO BE WORN ON THE PERSON TO DESIGNATE RANK AND STATION WITHIN A FRATERNAL ORDER. SOVEREIGN GRAND LODGE OF THE I. O. O. F., Baltimore, Md.
Filed February 11, 1941. Under act of February 20, 1905, as amended June 10, 1938. Serial No. 440,564. PUBLISHED JULY 22, 1941. Class 39.

390,585. HOSIERY. INTERWOVEN STOCKING COMPANY, New Brunswick, N. J.
Filed February 12, 1941. Serial No. 440,596. PUBLISHED JULY 8, 1941. Class 39.

390,586. MAGAZINE PUBLISHED MONTHLY. JEANNETTE J. BENAS, doing business as Airlanes Publishing Co., New York, N. Y.
Filed February 14, 1941. Serial No. 440,640. PUBLISHED JULY 15, 1941. Class 38.

390,587. UNDERGARMENTS AND UNDERWEAR FOR MEN, WOMEN, AND CHILDREN—NAMELY, KNITTED OR WOVEN SHIRTS, SHORTS, UNION SUITS, AND DRAWERS. THE ATLAS UNDERWEAR COMPANY, Piqua, Ohio.
Filed February 15, 1941. Serial No. 440,671. PUBLISHED JULY 15, 1941. Class 39.

390,588. STATUETTES. JOHN MELVILLE, doing business as John Melville & Co., New York, N. Y.
Filed February 20, 1941. Serial No. 440,826. PUBLISHED JULY 22, 1941. Class 50.

390,589. PERIODICAL PUBLISHED FROM TIME TO TIME. EARL S. MORAN and ROBERT HARRISON, New York, N. Y., assignors to Beauty Parade Inc., New York, N. Y., a corporation of New York.
Filed February 21, 1941. Serial No. 440,871. PUBLISHED JULY 15, 1941. Class 38.

390,590. CIGARS. CALIXTO LOPEZ & Co., Jersey City, N. J.
Filed February 24, 1941. Serial No. 440,912. PUBLISHED JULY 22, 1941. Class 17.

390,591. PIES. RUBY FARIS SULLIVAN, doing business as Mrs. Sullivan's Pie Shop, Jackson, Tenn.
Filed February 26, 1941. Serial No. 441,001. PUBLISHED JULY 22, 1941. Class 46.

390,592. TRADING STAMPS AND PRINTED BOOKLETS FOR SAVING ACCUMULATIONS OF SUCH TRADING STAMPS. GUNN-HINERMAN TIRE CO., Amarillo, Tex.
Filed March 1, 1941. Serial No. 441,133. PUBLISHED JULY 15, 1941. Class 38.

390,593. FURNITURE—VIZ., BUFFETS, SIDEBOARDS, TABLES FOR DINING ROOM USE, SERVING TABLES, CREDENZA BOARDS, TILT TOP SERVERS, CHAIRS, CHINA CABINETS, COMMODE SERVERS, CORNER CABINETS, AND DROPLEAF TABLES. DREXEL FURNITURE COMPANY, Drexel, N. C.
Filed March 3, 1941. Serial No. 441,159. PUBLISHED JULY 22, 1941. Class 32.

390,594. FERTILIZERS. ANDERSON, CLAYTON & CO., Houston, Tex.
Filed March 7, 1941. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 441,301. PUBLISHED JULY 22, 1941. Class 10.

390,595. MEN'S AND WOMEN'S CAPS, COATS, PANTS, VESTS, AND OUTER SHIRTS. RED HEAD BRAND COMPANY, Chicago, Ill.
Filed March 10, 1941. Serial No. 441,413. PUBLISHED JULY 22, 1941. Class 39.

390,596. ADHESIVE BINDING MATERIAL FORMED OF ASBESTOS SHEETS COATED WITH A THERMO SETTING ADHESIVE IN DRY FORM FOR USE IN BRAKE SHOES AND FOR OTHER USES WHERE SUCH AN ADHESIVE BINDING MATERIAL WOULD BE SUITABLE. S. G. TILDEN, INC., Brooklyn, N. Y.
Filed March 10, 1941. Serial No. 441,418. PUBLISHED JULY 22, 1941. Class 5.

390,597. PUBLICATIONS, DIRECTORIES, CATALOGUES, PAMPHLETS, AND INFORMATIVE PERIODICALS ISSUED AT IRREGULAR INTERVALS. TOY MANUFACTURERS OF THE U. S. A., INC., New York, N. Y.
Filed March 12, 1941. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 441,495. PUBLISHED JULY 15, 1941. Class 38.

390,598. CINEMATOGRAPHIC AND PHOTOGRAPHIC APPARATUS AND ACCESSORIES THERETO, ETC. BOL, LTD., New York, N. Y.
Filed March 18, 1941. Serial No. 441,665. PUBLISHED JUNE 24, 1941. Class 26.

390,599. CINEMATOGRAPHIC AND PHOTOGRAPHIC APPARATUS AND ACCESSORIES THERETO, ETC. BOL, LTD., New York, N. Y.
Filed March 18, 1941. Serial No. 441,666. PUBLISHED JUNE 24, 1941. Class 26.

390,600. CINEMATOGRAPHIC AND PHOTOGRAPHIC APPARATUS AND ACCESSORIES THERETO, ETC. BOL, LTD., New York, N. Y.
Filed March 18, 1941. Serial No. 441,667. PUBLISHED JUNE 24, 1941. Class 26.

390,601. SHOE COUNTER MATERIAL IN THE NATURE OF ARTIFICIAL LEATHER. KIMBERLY-CLARK CORPORATION, Neenah, Wis.
Filed March 19, 1941. Serial No. 441,705. PUBLISHED JULY 22, 1941. Class 50.

390,602. HOSIERY OF SILK, COTTON, WOOL, RAYON, NYLON, AND OTHER SYNTHETIC MATERIALS AND COMBINATIONS THEREOF. SPECIALTY PRODUCTS COMPANY, Jersey City, N. J.
Filed March 19, 1941. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 441,713. PUBLISHED JULY 1, 1941. Class 39.

390,603. LINSEED MEAL WHICH IS USED AS LIVESTOCK AND DAIRY FEED OR AS AN INGREDIENT IN SUCH FEEDS. NATIONAL LEAD COMPANY, New York, N. Y.
Filed March 20, 1941. Serial No. 441,740. PUBLISHED JULY 22, 1941. Class 46.

390,604. FIXTURE TYPE SPLICING CONNECTOR MADE OF PORCELAIN FOR JOINING ELECTRICAL WIRES. DAVID EISENSTAT, New York, N. Y.
Filed March 24, 1941. Serial No. 441,861. PUBLISHED JULY 22, 1941. Class 21.

390,605. CANDIES. OLIVE LOUISE HAGLEY, doing business as Hagley Candy Company, Chicago, Ill.
Filed March 24, 1941. Serial No. 441,866. PUBLISHED JULY 22, 1941. Class 46.

390,606. COLLAPSIBLE PORTABLE MACHINE FOR PHOTOGRAPHING OBJECTS AT A FIXED FOCUS, APERTURE, LIGHTING, AND TIMING. WILLIS B. HARGREAVES, Portland, Oreg.
Filed March 25, 1941. Serial No. 441,912. PUBLISHED JULY 22, 1941. Class 26.

390,607. LUBRICATING OIL. H. N. GREIS, as trustee for Deep Rock Oil Corporation, Tulsa, Okla.
Filed March 26, 1941. Serial No. 441,961. PUBLISHED JULY 22, 1941. Class 15.

390,608. LADIES' PURE SILK UNDERWEAR, INCLUDING NIGHTGOWNS, SLIPS, AND PANTIES. FISCHER & CO., INC., New York, N. Y.
Filed March 28, 1941. Serial No. 442,033. PUBLISHED JULY 15, 1941. Class 39.

390,609. ELECTRIC DISPLAY SIGNS. TRANS-LUX AD-NEWS CORPORATION, New York, N. Y.
Filed March 28, 1941. Serial No. 442,055. PUBLISHED JULY 22, 1941. Class 21.

390,610. BROOMS AND BROOMS IN COMBINATION WITH A DUST PAN ATTACHMENT. THE CHARLESTON BROOM MANUFACTURING COMPANY, Charleston, W. Va.
Filed March 29, 1941. Serial No. 442,058. PUBLISHED JULY 22, 1941. Class 29.

390,611. SLIPS. INDUSTRIAL UNDERGARMENT CORPORATION, Poughkeepsie, N. Y.
Filed March 31, 1941. Serial No. 442,131. PUBLISHED JULY 1, 1941. Class 39.

390,612. PERIODICAL PUBLISHED FROM TIME TO TIME. MEDICAS CORPORATION, New York, N. Y.
Filed April 1, 1941. Serial No. 442,176. PUBLISHED JULY 8, 1941. Class 38.

390,613. DUPLICATING PAPER. NEKOOSA-EDWARDS PAPER COMPANY, Port Edwards, Wis.
Filed April 2, 1941. Serial No. 442,203. PUBLISHED JULY 22, 1941. Class 37.

390,614. WOMEN'S AND CHILDREN'S HATS, BERETS, AND TAM-O-SHANTERS. SAMUEL LISH, New York, N. Y.
Filed April 3, 1941. Serial No. 442,237. PUBLISHED JULY 22, 1941. Class 39.

390,615. MACHINES FOR CUTTING OR GRINDING GARBAGE OR THE LIKE. EDISON GENERAL ELECTRIC APPLIANCE COMPANY, INC., Chicago, Ill.
Filed April 5, 1941. Serial No. 442,315. PUBLISHED JULY 22, 1941. Class 23.

390,616. ELECTRIC MOTOR-OPERATED TOOTH BRUSH APPARATUS. CONRAD D. MASTRUD, Oak Park, Ill.
Filed April 5, 1941. Serial No. 442,326. PUBLISHED JULY 22, 1941. Class 21.

390,617. HAT BRAIDS. R. H. COMBY COMPANY, INC., Brooklyn, N. Y.
Filed April 7, 1941. Serial No. 442,352. PUBLISHED JULY 22, 1941. Class 40.

390,618. GAS WATER HEATERS. COMBUSTION ENGINEERING COMPANY, INC., Wilmington, Del., and New York, N. Y.
Filed April 8, 1941. Serial No. 442,389. PUBLISHED JULY 22, 1941. Class 34.

390,619. COLLECTIONS OF RECIPES AND/OR MENUS ISSUED FROM TIME TO TIME. KELLOGG COMPANY, Battle Creek, Mich.
Filed April 9, 1941. Serial No. 442,417. PUBLISHED JULY 15, 1941. Class 38.

390,620. SCALP MASSAGING AND EXERCISING APPARATUS. MIKINA MANUFACTURING COMPANY, Detroit, Mich.
Filed April 9, 1941. Serial No. 442,420. PUBLISHED JULY 22, 1941. Class 44.

390,621. DEPARTMENT OR SECTION OF A WEEKLY MAGAZINE. WEEKLY PUBLICATIONS, INC., New York, N. Y.
Filed April 10, 1941. Serial No. 442,467. PUBLISHED JULY 15, 1941. Class 38.

390,622. DEPARTMENT OR SECTION OF A WEEKLY MAGAZINE. WEEKLY PUBLICATIONS, INC., New York, N. Y.
Filed April 10, 1941. Serial No. 442,468. PUBLISHED JULY 15, 1941. Class 38.

390,623. WHEAT FLOUR CONTAINING VITAMIN AND IRON INGREDIENTS. CHARLESTON MILLING COMPANY, Charleston, W. Va.
Filed April 12, 1941. Serial No. 442,516. PUBLISHED JULY 22, 1941. Class 46.

390,624. TRANSPARENT RECEPTACLES OR PARTS OF RECEPTACLES MADE FROM "PLIOFILM," "CELLOPHANE," OR THE LIKE—NAMELY, REFRIGERATOR BAGS, LETTUCE BAGS, BREAD BAGS, CAKE BAGS, AND VEGETABLE BAGS. A. L. SIEGEL CO., INC., Newark, N. J.
Filed April 14, 1941. Serial No. 442,570. PUBLISHED JULY 22, 1941. Class 2.

390,625. CORN PLANTERS. SEARS, ROEBUCK AND CO., doing business as David Bradley Manufacturing Works, Chicago, Ill.
Filed April 15, 1941. Serial No. 442,607. PUBLISHED JULY 22, 1941. Class 23.

390,626. BRACELETS AND BRACELET AND JEWELRY CHAINS GENERALLY. SPIEGEL CORPORATION, Providence, R. I.
Filed April 15, 1941. Serial No. 442,611. PUBLISHED JULY 22, 1941. Class 28.

390,627. COOKED FOOD PRODUCTS—VIZ., LOBSTER NEWBURG, CHICKEN PIE, CHICKEN A LA KING, ROAST TURKEY, ETC. FROST COOKED FOODS, INC., Boston, Mass.
Filed April 17, 1941. Serial No. 442,657. PUBLISHED JULY 22, 1941. Class 46.

390,628. MEN'S NECKTIES AND SCARFS. WEMBLEY, INC., New Orleans, La.
Filed April 17, 1941. Serial No. 442,678. PUBLISHED JULY 22, 1941. Class 39.

390,629. WOMEN'S APPAREL—NAMELY, DRESSES, COATS, UNDERWEAR, SWEATERS, BLOUSES, CORSETS, SCARFS, ETC. GIMBEL BROTHERS, INC., New York, N. Y.
Filed April 18, 1941. Serial No. 442,700. PUBLISHED JULY 22, 1941. Class 39.

390,630. ENAMEL FRITS, CERAMIC COLORING OXIDES, AND OPACIFIERS. THE PORCELAIN ENAMEL & MFG. CO. OF BALTIMORE, Baltimore, Md.
Filed April 18, 1941. Serial No. 442,721. PUBLISHED JULY 22, 1941. Class 1.

390,631. ENAMEL FRITS, CERAMIC COLORING OXIDES, AND OPACIFIERS. THE PORCELAIN ENAMEL & MFG. CO. OF BALTIMORE, Baltimore, Md.
Filed April 18, 1941. Serial No. 442,722. PUBLISHED JULY 22, 1941. Class 1.

390,632. ENAMEL FRITS, CERAMIC COLORING OXIDES, AND OPACIFIERS. THE PORCELAIN ENAMEL & MFG. CO. OF BALTIMORE, Baltimore, Md.
Filed April 18, 1941. Serial No. 442,723. PUBLISHED JULY 22, 1941. Class 1.

390,633. CANNED CITRUS FRUIT JUICES FOR FOOD PURPOSES—NAMELY, CANNED LEMON JUICE. TREESWEET PRODUCTS CO., Santa Ana, Calif.
Filed April 18, 1941. Serial No. 442,738. PUBLISHED JULY 22, 1941. Class 46.

390,634. MEN'S SUITS AND TOPCOATS. HICKEY FREEMAN COMPANY, Rochester, N. Y.
Filed April 19, 1941. Serial No. 442,752. PUBLISHED JULY 8, 1941. Class 39.

390,635. MUSICAL INSTRUMENT FOR PLAYING BIRD CALLS. CHICAGO MUSICAL INSTRUMENT COMPANY, Chicago, Ill.
Filed April 21, 1941. Serial No. 442,781. PUBLISHED JULY 22, 1941. Class 36.

390,636. ELECTRICAL INSULATING PAPER IN WIDE AND IN TAPE FORM. JOHN A. MANNING PAPER COMPANY, INC., Troy, N. Y.
Filed April 21, 1941. Serial No. 442,792. PUBLISHED JULY 22, 1941. Class 21.

390,637. NECKTIES, SCARFS, AND HANDKERCHIEFS. PAUL WALLACH AND KURT STEINBERG, New York, N. Y.
Filed April 21, 1941. Serial No. 442,810. PUBLISHED JULY 22, 1941. Class 39.

390,638. CORNED BEEF AND CABBAGE PUT UP IN COMBINATION IN UNSEALED CONTAINERS. MARCEL COMTE, Jacksonville, Ill.
Filed April 23, 1941. Serial No. 442,862. PUBLISHED July 22, 1941. Class 46.

390,639. MAGAZINE PUBLISHED PERIODICALLY. THE J. B. FORD SALES COMPANY, Wyandotte, Mich.
Filed April 23, 1941. Serial No. 442,865. PUBLISHED JULY 15, 1941. Class 38.

390,640. AIR FILTERS FOR USE WITH HEATING, VENTILATING, AND AIR CONDITIONING EQUIPMENT. RESEARCH PRODUCTS CORPORATION, Madison, Wis.
Filed April 23, 1941. Serial No. 442,877. PUBLISHED JULY 22, 1941. Class 34.

390,641. BILL FOLDS, KEY CASES. S. AND S. LEATHER COMPANY, Colchester, Conn.
Filed April 23, 1941. Serial No. 442,878. PUBLISHED JULY 22, 1941. Class 3.

390,642. LADIES' AND MISSES' SKIRTS. MARLENE SPORTWEAR CO., INC., New York, N. Y.
Filed April 24, 1941. Serial No. 442,910. PUBLISHED JULY 22, 1941. Class 39.

390,643. ANNUAL PUBLICATIONS, BOOKS, BULLETINS, CATALOGS, CIRCULARS, INSTRUCTION SHEETS, LABELS, ETC. AMERICAN TURNERS, Detroit, Mich.
Filed April 25, 1941. Act of February 20, 1905, as amended June 10, 1938. Serial No. 442,929. PUBLISHED JULY 15, 1941. Class 38.

390,644. MONTHLY PERIODICAL. FAWCETT PUBLICATIONS, INC., Greenwich, Conn.
Filed April 26, 1941. Serial No. 442,997. PUBLISHED JULY 15, 1941. Class 38.

390,645. MONTHLY PERIODICAL. FAWCETT PUBLICATIONS, INC., Greenwich, Conn.
Filed April 26, 1941. Serial No. 442,999. PUBLISHED JULY 15, 1941. Class 38.

390,646. ORDER BLANKS AND BOOKS, DATA BOOKS, FOLDERS, ACCOUNTING FORMS, STATEMENTS, INDEXES, REPORTS, ACCOUNT BOOKS, RECORD CARDS, DEBIT SLIPS, RECEIPTS, VOUCHERS, BLANK APPLICATION FORMS, BLANK REFERENCE LETTERS, AND BLANK ACCOUNT SUMMARIES. FURNITURE SALES SERVICE CORPORATION, Chicago, Ill.
Filed April 26, 1941. Serial No. 443,002. PUBLISHED JULY 22, 1941. Class 37.

390,647. CANNED BAKED BEANS AND BROWN BREAD. S AND W FINE FOODS, INC., doing business as the Rubyette Co., San Francisco, Calif.
Filed April 26, 1941. Serial No. 443,016. PUBLISHED JULY 22, 1941. Class 46.

390,648. LADIES' AND MISSES' KNITTED SPORT SWEATERS. SELECT SPORTSWEAR, INC., New York, N. Y.
Filed April 26, 1941. Serial No. 443,019. PUBLISHED JULY 8, 1941. Class 39.

390,649. KNITTING NEEDLES FOR HAND USE. BERNHARD ULMANN CO. INC., New York, N. Y.
Filed April 26, 1941. Serial No. 443,025. PUBLISHED JULY 22, 1941. Class 40.

390,650. VACUUM CLEANERS AND SEWING MACHINES. WESTERN AUTO SUPPLY COMPANY, Los Angeles, Calif.
Filed April 26, 1941. Serial No. 443,028. PUBLISHED JULY 22, 1941. Class 23.

390,651. MILKING PARLOR STALLS AND STANCHIONS AND MULTIPLE STALL MILKING PARLOR UNITS. BABSON BROS. CO., Chicago, Ill.
Filed April 28, 1941. Serial No. 443,034. PUBLISHED JULY 22, 1941. Class 13.

390,652. COAL. SOUTHERN COAL COMPANY, INCORPORATED, Memphis, Tenn.
Filed April 28, 1941. Serial No. 443,058. PUBLISHED JULY 22, 1941. Class 1.

390,653. MAGAZINE PUBLICATION. DETECTIVE COMICS, INC., New York, N. Y.
Filed April 29, 1941. Serial No. 443,072. PUBLISHED JULY 15, 1941. Class 38.

390,654. WOMEN'S AND MISSES' SHOES MADE OF LEATHER, FABRIC, RUBBER, AND/OR COMBINATIONS THEREOF. JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa.
Filed April 29, 1941. Serial No. 443,095. PUBLISHED JULY 22, 1941. Class 39.

390,655. UNDERWEAR, SLIPS, PANTIES, VESTS, HOSIERY, HOUSE DRESSES, LEATHER OR FABRIC GLOVES, NIGHTGOWNS, PAJAMAS, AND APRONS FOR LADIES AND CHILDREN, AND HOSIERY, OUTER SHIRTS, UNDERSHIRTS, SOCKS, UNDERWEAR, LEATHER OR FABRIC GLOVES, AND PAJAMAS FOR MEN AND BOYS. Z. & R. MERCHANDISE CO., New York, N. Y.
Filed April 29, 1941. Serial No. 443,099. PUBLISHED JULY 22, 1941. Class 39.

390,656. LADIES' UNDERWEAR. HY PERLMAN & CO. INC., New York, N. Y.
Filed April 29, 1941. Serial No. 443,100. PUBLISHED JULY 1, 1941. Class 39.

390,657. MAGAZINE PUBLICATION. DETECTIVE COMICS, INC., New York, N. Y.
Filed April 30, 1941. Serial No. 443,117. PUBLISHED JULY 15, 1941. Class 38.

390,658. WOVEN AND KNITTED UNDERWEAR AND OUTERWEAR, CONSISTING OF SWEATERS, PULLOVERS, SHIRTS, JACKETS, COATS, VESTS, WINDBREAKERS, AND SPORT SUITS FOR MEN. THE NEW ENGLAND KNITTING CO., Winsted, Conn.
Filed April 30, 1941. Serial No. 443,131. PUBLISHED JULY 22, 1941. Class 39.

390,659. CLEANSING TISSUE. SAN-NAP-PAK MFG. CO., INC., New York, N. Y.
Filed April 30, 1941. Serial No. 443,136. PUBLISHED JULY 22, 1941. Class 37.

390,660. GIRDLES, CORSETS, BRASSIÈRES, PANTIES, CORSELETS, BANDEAUX, GARTER BELTS, MATERNITY BELTS, MATERNITY GIRDLES, AND FOUNDATION GARMENTS. TREO COMPANY, INC., New York, N. Y.
Filed April 30, 1941. Serial No. 443,142. PUBLISHED JULY 22, 1941. Class 39.

390,661. MAGAZINE PUBLISHED PERIODICALLY. ALL AMERICAN COMICS, INC., New York, N. Y.
Filed May 1, 1941. Serial No. 443,151. PUBLISHED JULY 22, 1941. Class 38.

390,662. MAGAZINE PUBLISHED PERIODICALLY. ALL AMERICAN COMICS, INC., New York, N. Y.
Filed May 1, 1941. Serial No. 443,152. PUBLISHED JULY 15, 1941. Class 38.

390,663. ARTIFICIAL RIBBONS SUITABLE FOR TYING, WRAPPING, AND DECORATIVE PURPOSES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed May 1, 1941. Serial No. 443,154. PUBLISHED JULY 22, 1941. Class 37.

390,664. LADIES' PURE SILK UNDERWEAR, INCLUDING NIGHTGOWNS, SLIPS, AND PANTIES. FISCHER & CO., INC., New York, N. Y.
Filed May 2, 1941. Serial No. 443,187. PUBLISHED JULY 1, 1941. Class 39.

390,665. PADS USED IN THE PERMANENT WAVING OF HAIR. E. FREDERICS, INC., New York, N. Y.
Filed May 2, 1941. Serial No. 443,189. PUBLISHED JULY 22, 1941. Class 44.

390,666. WOVEN AND KNITTED OUTERWEAR, CONSISTING OF SWEATERS, PULLOVERS, SHIRTS, JACKETS, COATS, VESTS, WINDBREAKERS, AND SPORT SUITS FOR MEN, WOMEN, AND CHILDREN. THE NEW ENGLAND KNITTING CO., Winsted, Conn.
Filed May 2, 1941. Serial No. 443,204. PUBLISHED JULY 22, 1941. Class 39.

390,667. WEEKLY NEWSPAPER. POWELL-SAVORY CORP., New York, N. Y.
Filed May 2, 1941. Serial No. 443,206. PUBLISHED JULY 8, 1941. Class 38.

390,668. TABLES, PARTICULARLY FOLDING TABLES. ATLUMOR MANUFACTURING CO., INC., Knoxville, Tenn.
Filed May 3, 1941. Serial No. 443,216. PUBLISHED JULY 22, 1941. Class 32.

390,669. MAGAZINE PUBLICATION. M. CHARLES GAINES, New York, N. Y.
Filed May 3, 1941. Serial No. 443,225. PUBLISHED JULY 22, 1941. Class 38.

390,670. MAGAZINE PUBLICATION. M. CHARLES GAINES, New York, N. Y.
Filed May 3, 1941. Serial No. 443,227. PUBLISHED JULY 22, 1941. Class 38.

390,671. COMBINATION FOOTWEAR COMPRISING A COMBINATION SOCK AND SLIPPER. M. G. VAN ARSDALE, INC., New York, N. Y.
Filed May 6, 1941. Serial No. 443,309. PUBLISHED JULY 22, 1941. Class 39.

390,672. MEN'S CLOTHING—NAMELY, SUITS, TOPCOATS, OVERCOATS, PANTS, AND SPORT JACKETS. MAX ABRAMS, INC., New York, N. Y.
Filed May 7, 1941. Serial No. 443,316. PUBLISHED JULY 1, 1941. Class 39.

390,673. LUBRICATING OILS. COLUMBIA-BEDFORD CORPORATION, Long Island City, N. Y.
Filed May 7, 1941. Serial No. 443,320. PUBLISHED JULY 22, 1941. Class 15.

390,674. WOVEN AND KNITTED OUTERWEAR CONSISTING OF SWEATERS, PULLOVERS, SHIRTS, JACKETS, COATS, VESTS, WINDBREAKERS, AND SPORT SUITS FOR MEN, WOMEN, AND CHILDREN. THE NEW ENGLAND KNITTING CO., Winsted, Conn.
Filed May 7, 1941. Serial No. 443,338. PUBLISHED JULY 22, 1941. Class 39.

390,675. PHOTOGRAPHIC PAPER PRINTS AND ENLARGEMENTS. THOMAS O. LIVINGSTON, doing business as Livingston Laboratories, Worcester, Mass.
Filed May 8, 1941. Serial No. 443,367. PUBLISHED JULY 22, 1941. Class 38.

390,676. SILK HOSIERY. PHOENIX HOSIERY COMPANY, Milwaukee, Wis.
Filed May 8, 1941. Serial No. 443,372. PUBLISHED JULY 8, 1941. Class 39.

390,677. CARTOONS PUBLISHED IN A SERIES. ALL-AMERICAN COMICS, INC., New York, N. Y.
Filed May 9, 1941. Serial No. 443,385. PUBLISHED JULY 8, 1941. Class 38.

390,678. CURTAINS AND DRAPERIES. FALL RIVER CURTAIN CO. INC., Fall River, Mass., and New York, N. Y.
Filed May 9, 1941. Serial No. 443,410. PUBLISHED JULY 22, 1941. Class 42.

390,679. CURTAINS AND DRAPERIES. FALL RIVER CURTAIN CO., INC., Fall River, Mass., and New York, N. Y.
Filed May 9, 1941. Serial No. 443,411. PUBLISHED JULY 22, 1941. Class 42.

390,680. COMPARATIVELY RIGID SHIPPING CONTAINERS FOR BICYCLES SOLD IN TRADE EMPTY. INLAND CONTAINER CORPORATION, Indianapolis, Ind.
Filed May 9, 1941. Serial No. 443,416. PUBLISHED JULY 22, 1941. Class 2.

390,681. ORNAMENTAL JEWELRY, PARTICULARLY PINS, BROOCHES, CLIPS, NECKLACES, LOCKETS, PENDANTS, ETC. S & B LEDERER CO., Providence, R. I.
Filed May 9, 1941. Serial No. 443,420. PUBLISHED JULY 22, 1941. Class 28.

390,682. FLAX, JUTE, ASBESTOS, AND RUBBER MACHINERY PACKING, RUBBER AND ASBESTOS GASKETS, ETC. RAYBESTOS-MANHATTAN, INC., Passaic, N. J.
Filed May 9, 1941. Serial No. 443,433. PUBLISHED JULY 22, 1941. Class 35.

390,683. LADIES' FULL FASHIONED HOSIERY. GRANITE HOSIERY MILLS, INC., Souderton, Pa.
Filed May 10, 1941. Serial No. 443,457. PUBLISHED JULY 22, 1941. Class 39.

390,684. LADIES' FULL FASHIONED HOSIERY. GRANITE HOSIERY MILLS, INC., Souderton, Pa.
Filed May 10, 1941. Serial No. 443,458. PUBLISHED JULY 22, 1941. Class 39.

390,685. SWEATERS FOR CHILDREN, MISSES, WOMEN, AND MEN. OLD COLONY KNITTING MILLS, INC., Hingham, Mass.
Filed May 10, 1941. Serial No. 443,463. PUBLISHED JULY 22, 1941. Class 39.

390,686. MONTHLY TRADE PUBLICATION. THE SQUIRT COMPANY, Beverly Hills, Calif.
Filed May 10, 1941. Serial No. 443,465. PUBLISHED JULY 8, 1941. Class 38.

390,687. NECKLACES AND BRACELETS, FINGER RINGS, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, ETC. AMERICAN AND CONTINENTAL PATENTED PRODUCTS INC., New York, N. Y
Filed May 12, 1941. Serial No. 443,472. PUBLISHED JULY 22, 1941. Class 28.

390,688. NECKLACES AND BRACELETS, FINGER RINGS, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, ETC. AMERICAN AND CONTINENTAL PATENTED PRODUCTS INC., New York, N. Y.
Filed May 12, 1941. Serial No. 443,473. PUBLISHED JULY 22, 1941. Class 28.

390,689. CANDLES. EMERY INDUSTRIES, INC., Cincinnati, Ohio.
Filed May 12, 1941. Serial No. 443,485. PUBLISHED JULY 22, 1941. Class 15.

390,690. WOMEN'S SLIPS. SLIPCO, Shelton, Conn.
Filed May 13, 1941. Serial No. 443,544. PUBLISHED JULY 22, 1941. Class 39.

390,691. TRAVEL GUIDES PUBLISHED QUARTERLY. AMERICAN MOTEL ASSOCIATION, INC., East Orange, N. J.
Filed May 14, 1941. Serial No. 443,550. PUBLISHED JULY 22, 1941. Class 38.

390,692. PORTFOLIOS, HANDBAGS, POCKETBOOKS, WALLETS, KEY CASES, COIN PURSES, TOILET CASES, FITTED DRESSING BAGS, LEATHER SECRETARY WALLETS, LEATHER CASES FOR HANDKERCHIEFS AND STOCKINGS, PURSES. BELVIDERE STRAP CO. INC., New York, N. Y., now by change of name Belvidere, Inc., a corporation of New York.
Filed May 14, 1941. Serial No. 443,551. PUBLISHED JULY 22, 1941. Class 3.

390,693. CHILDREN'S DRESSES. PEERLESS CHILDRENS GARMENTS, New York, N. Y.
Filed May 14, 1941. Serial No. 443,578. PUBLISHED JULY 8, 1941. Class 39.

390,694. BED COVERINGS AND TABLE COVERINGS. MARION W. NEWTON, New York, N. Y.
Filed May 15, 1941. Serial No. 443,615. PUBLISHED JULY 22, 1941. Class 42.

390,695. MEN'S, WOMEN'S, AND CHILDREN'S GLOVES OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. THE SUPERB GLOVE CO., Johnstown and New York, N. Y.
Filed May 17, 1941. Serial No. 443,671. PUBLISHED JULY 22, 1941. Class 39.

390,696. BOOTS AND SHOES MADE OF LEATHER, CLOTH, OR RUBBER, OR ANY COMBINATION THEREOF. THAYER MCNEIL COMPANY, Boston, Mass.
Filed May 17, 1941. Serial No. 443,672. PUBLISHED JULY 22, 1941. Class 39.

390,697. MAGNETS, MAGNETIC CLUTCHES, AND MAGNETIC SEPARATORS, DINGS MAGNETIC SEPARATOR CO., Milwaukee, Wis.
Filed May 19, 1941. Serial No. 443,689. PUBLISHED JULY 22, 1941. Class 21.

390,698. COMPOSITION ROOFING MATERIALS. LONGHORN ROOFING PRODUCTS, INC., Dallas, Tex.
Filed May 19, 1941. Serial No. 443,695. PUBLISHED JULY 22, 1941. Class 12.

390,699. MEN'S AND BOYS' PAJAMAS. BROOM AND NEWMAN, New York, N. Y.
Filed May 20, 1941. Serial No. 443,712. PUBLISHED JULY 15, 1941. Class 39.

390,700. COLLARS. CLUETT, PEABODY & CO., INC., Troy, N. Y.
Filed May 20, 1941. Serial No. 443,714. PUBLISHED JULY 15, 1941. Class 39.

390,701. FIREPROOF INSULATING MATERIALS COMPOSED OF ASBESTOS FIBRE AND HYDRAULIC CEMENT IN SHEETS, STRIPS, BLOCKS, AND SHAPES. JOHNS-MANVILLE CORPORATION, New York, N. Y.
Filed May 20, 1941. Serial No. 443,721. PUBLISHED JULY 22, 1941. Class 12.

390,702. FRESH CITRUS FRUITS. PLACENTIA PIONEER VALENCIA GROWERS ASSN., Fullerton, Calif.
Filed May 20, 1941. Serial No. 443,732. PUBLISHED JULY 22, 1941. Class 46.

390,703. PERIODICAL PROGRAM SKITS FOR RADIO STATIONS SOLD AS PUBLICATION IN INTERSTATE TRADE. EMIL BRISACHER, doing business as Brisacher, Davis & Staff, San Francisco, Calif.
Filed May 21, 1941. Serial No. 443,746. PUBLISHED JULY 22, 1941. Class 38.

390,704. FIRST AID TREATED GAUZE PADS OR STRIPS. GERO PRODUCTS, INC., South Boston, Mass.
Filed May 21, 1941. Serial No. 443,759. PUBLISHED JULY 22, 1941. Class 44.

390,705. LADIES' LEATHER AND FABRIC GLOVES. WIMELBACHER & RICE, New York, N. Y.
Filed May 21, 1941. Serial No. 443,790. PUBLISHED JULY 22, 1941. Class 39.

390,706. LADIES' LEATHER AND FABRIC GLOVES. WIMELBACHER & RICE, New York, N. Y.
Filed May 21, 1941. Serial No. 443,791. PUBLISHED JULY 22, 1941. Class 39.

390,707. PETROLEUM PRODUCTS—NAMELY, LUBRICATING OIL. GILMORE OIL COMPANY, Los Angeles, Calif.
Filed May 23, 1941. Serial No. 443,840. PUBLISHED JULY 22, 1941. Class 15.

390,708. PUBLICATION PUBLISHED MONTHLY CONTAINING SERIES OF CARTOONS, FICTION, ARTICLES, AND EDITORIAL MATTER. THE PARENTS' INSTITUTE, INC., New York, N. Y.
Filed May 23, 1941. Serial No. 443,856. PUBLISHED JULY 22, 1941. Class 38.

390,709. DRY REFRACTORY MATERIAL. STOK-A-FIRE COMPANY, INC., University City, Mo.
Filed May 23, 1941. Serial No. 443,864. PUBLISHED JULY 22, 1941. Class 12.

390,710. DRY REFRACTORY MATERIAL. STOK-A-FIRE COMPANY, INC., University City, Mo.
Filed May 23, 1941. Serial No. 443,865. PUBLISHED JULY 22, 1941. Class 12.

390,711. BOWLING BALLS. STOWE-WOODWARD, INC., Newton and Newton Upper Falls, Mass.
Filed May 24, 1941. Serial No. 443,896. PUBLISHED JULY 22, 1941. Class 22.

390,712. WINDOW SASH AND WINDOW FRAMES. VISIONATOR, INC., Chicago, Ill.
Filed May 24, 1941. Serial No. 443,898. PUBLISHED JULY 22, 1941. Class 12.

390,713. GOLF BALLS. SPALDING SALES CORPORATION, Chicopee, Mass.
Filed May 26, 1941. Serial No. 443,958. PUBLISHED JULY 22, 1941. Class 22.

390,714. SPRING INNER MATS FOR CUSHIONS, MATTRESSES, AND UPHOLSTERED FURNITURE. L. A. YOUNG SPRING AND WIRE CORPORATION, Detroit, Mich.
Filed May 26, 1941. Serial No. 443,964. PUBLISHED JULY 22, 1941. Class 32.

390,715. ADHESIVE SHOE CEMENT. COMPO SHOE MACHINERY CORPORATION, Boston, Mass.
Filed May 27, 1941. Serial No. 443,975. PUBLISHED JULY 22, 1941. Class 5.

390,716. RUBBER OR RUBBER-CONTAINING BANDS USED IN FORMING OR APPLYING TREADS FOR PNEUMATIC TIRES. WEBSTER RUBBER COMPANY, Warren, Ohio.
Filed May 28, 1941. Serial No. 444,025. PUBLISHED JULY 22, 1941. Class 35.

390,717. LADIES' DRESSES OF RAYON, COTTON, SILK, SILK MIXTURES, AND WOOL. LORD'S SPORTWEAR, INC., New York, N. Y.
Filed May 29, 1941. Serial No. 444,049. PUBLISHED JULY 22, 1941. Class 39.

390,718. COTTON, SPUN RAYON, AND SPUN ACETATE FABRICS, AND MIXTURES THEREOF IN THE PIECE. CROWN FABRICS CORPORATION, New York, N. Y.
Filed May 31, 1941. Serial No. 444,072. PUBLISHED JULY 22, 1941. Class 42.

390,719. FABRIC CUPS FOR USE IN OIL WELLS AND PUMPS. DARLING VALVE & MANUFACTURING COMPANY, Williamsport, Pa.
Filed May 31, 1941. Serial No. 444,074. PUBLISHED JULY 22, 1941. Class 35.

390,720. TEXTILE FABRICS IN THE PIECE, OF WOOL, MOHAIR, AND COMBINATIONS THEREOF. A. DAVIS & SONS, INC., New York, N. Y.
Filed May 31, 1941. Serial No. 444,075. PUBLISHED JULY 22, 1941. Class 42.

390,721. SPUN RAYON FABRICS IN THE PIECE. WILLIAM SCHNEIDER, doing business as Vanity Blouse & Sportswear, New York, N. Y.
Filed May 31, 1941. Serial No. 444,098. PUBLISHED JULY 22. 1941. Class 42.

390,722. HOSIERY AND SWEATERS FOR MEN, WOMEN, AND CHILDREN. GALUMBECK & Co., Asheville, N. C.
Filed June 2, 1941. Serial No. 444,120. PUBLISHED JULY 22, 1941. Class 39.

390,723. CORDUROY AND PILE FABRICS IN THE PIECE. CROMPTON COMPANY, West Warwick, R. I.
Filed June 3, 1941. Serial No. 444,135. PUBLISHED JULY 22, 1941. Class 42.

390,724. FRESH CITRUS FRUITS. STRATHMORE CO-OPERATIVE ASSOCIATION, Strathmore, Calif.
Filed June 3, 1941. Serial No. 444,166. PUBLISHED JULY 22, 1941. Class 46.

390,725. FABRICS IN THE PIECE MADE OF COTTON, SILK, RAYON, WOOL, LINEN, OR MIXTURES THEREOF. CROMPTON COMPANY, West Warwick, R. I.
Filed June 4, 1941. Serial No. 444,176. PUBLISHED JULY 22, 1941. Class 42.

390,726. COTTON, RAYON, ACETATE, AND/OR SILK PIECE GOODS. SENECA TEXTILE CORPORATION, New York, N. Y.
Filed June 4, 1941. Serial No. 444,202. PUBLISHED JULY 22, 1941. Class 42.

390,727. WINDOW CURTAINS. BARTMANN & BIXER INC., New York, N. Y.
Filed June 6, 1941. Serial No. 444,240. PUBLISHED JULY 22, 1941. Class 42.

390,728. WINDOW CURTAINS. BARTMANN & BIXER INC., New York, N. Y.
Filed June 6, 1941. Serial No. 444,250. PUBLISHED JULY 22, 1941. Class 42.

390,729. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed June 6, 1941. Serial No. 444,251. PUBLISHED JULY 22, 1941. Class 42.

390,730. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed June 6, 1941. Serial No. 444,252. PUBLISHED JULY 22, 1941. Class 42.

390,731. BUCKRAMS. JAMES THOMPSON & CO. INC., New York, N. Y.
Filed June 6, 1941. Serial No. 444,290. PUBLISHED JULY 22, 1941. Class 42.

390,732. RUBBER AND RUBBER CONTAINING PNEUMATIC TIRES AND TUBES FOR VEHICLE WHEELS. THE PHARIS TIRE AND RUBBER COMPANY, Newark, Ohio.
Filed June 11, 1941. Serial No. 444,415. PUBLISHED JULY 22, 1941. Class 35.

390,733. ATHLETIC SHIRTS, SHORTS, AND KNITTED UNDERWEAR FOR MEN, BOYS, WOMEN, AND GIRLS. STANDARD KNITTING MILLS, INC., Knoxville, Tenn.
Filed June 14, 1941. Serial No. 444,550. PUBLISHED JULY 22, 1941. Class 39.

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION
[ACT OF MARCH 19, 1920, SEC. 1 (b)]

390,734. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MARLIN B. RASMUSSON, doing business as Frigid Process Company, Sacramento, Calif., assignor to Joe Lowe Corporation, New York, N. Y., a corporation of Delaware. Filed Apr. 4, 1939. Serial No. 417,849.

CREAM STICK

FOR FROZEN CONFECTIONS.
Claims use since Mar. 1, 1930.

390,735. (CLASS 39. CLOTHING.) TYE-SET SHIRT COMPANY, New York, N. Y. Filed Aug. 10, 1939. Serial No. 422,496.

TYE-SET

FOR OUTER SHIRTS.
Claims use since April, 1939.

390,736. (CLASS 39. CLOTHING.) CONTOUR HOSIERY MILLS, Rockford, Ill. Filed Mar. 14, 1940. Serial No. 429,559.

perfect mates

FOR HOSIERY.
Claims use since Nov. 2, 1937.

390,737. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) CONTROLAIR, INCORPORATED, Elyria, Ohio. Filed May 24, 1940. Serial No. 432,300.

MAYN

FOR AIR FLOW CONTROL DAMPERS, DAMPER MOUNTING AND OPERATING PARTS, AND AIR FLOW RATE REGULATING DAMPER ASSEMBLIES IN CONDITIONED AIR CONDUITS AND THE LIKE.
Claims use since Mar. 26, 1940.

390,738. (CLASS 33. GLASSWARE.) LIBBEY GLASS COMPANY, Toledo, Ohio. Filed Aug. 23, 1940. Serial No. 435,301.

MODERN AMERICAN

FOR VASES, DECANTERS, BOWLS, PITCHERS, AND DRINKING GLASSES, INCLUDING GOBLETS, TUMBLERS, STEMWARE, AND FOOTWARE, ALL MADE OF GLASS.
Claims use since Aug. 2, 1940.

390,739. (CLASS 39. CLOTHING.) SAMUEL J. GOLDFARB, New York, N. Y. Filed Aug. 28, 1940. Serial No. 435,454.

SWEET & SIMPLE

FOR LADIES' HOUSE DRESSES AND APRONS.
Claims use since Aug. 1, 1940.

390,740. (CLASS 39. CLOTHING.) QUEEN MAID UNDERWEAR CO., INC., Milltown, N. J. Filed Sept 5, 1940. Serial No. 435,690.

Snug-n-Warm

FOR WOMEN'S AND GIRLS' UNDERWEAR.
Claims use since July 1, 1940.

390,741. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) D. E. HORN AND COMPANY, York, Pa. Filed Sept. 14, 1940. Serial No. 435,978.

HORN'S



FOR POULTRY FEED, DAIRY-CATTLE FEED, HORSE FEED, HOG FEED, SHEEP FEED, DOG FEED, PIGEON FEED, RABBIT FEED, GOAT FEED, AND STEER FEED.
Claims use since Jan. 1, 1937.

390,742. (CLASS 32. FURNITURE AND UPHOLSTERY.) S. KARPEN & BROS., Lexington, Ky. Filed Oct. 3, 1940. Serial No. 436,610.

LEXINGTON

FOR FURNITURE, EITHER ALL-WOOD FURNITURE, ALL-UPHOLSTERY FURNITURE, COMBINATION WOOD AND CANE FURNITURE, COMBINATION WOOD AND UPHOLSTERY FURNITURE, COMBINATION CANE AND UPHOLSTERY FURNITURE, OR COMBINATION WOOD, UPHOLSTERY, AND CANE FURNITURE — NAMELY, DINING-ROOM CHAIRS, BEDROOM CHAIRS, OFFICE CHAIRS OF SWIVEL TYPE, AS WELL AS REGULAR LEG-BASES, RESTAURANT CHAIRS, CHAIRS FOR BILLIARD-

ROOMS, BENCHES FOR USE IN BEDROOMS OR LIVING-ROOMS, TYPEWRITER CHAIRS, BOOKKEEPING CHAIRS, SHOE-FITTING CHAIRS, STORE CHAIRS, JURY CHAIRS, REVOLVING COUNTER CHAIRS, REVOLVING STOOLS, COSTUMERS, TABLET RESTAURANT CHAIRS, SETTEES, SOFAS, AND DAVENPORTS; ALSO OFFICE DESKS, OFFICE AND LIBRARY AND BEDROOM TABLES, WRITING DESKS, END TABLES, DAVENPORT TABLES, FERNERY, CHAISES LONGUES, LOUNGES, COUCHES OF EITHER CANE AND WOOD OR ALL UPHOLSTERED OR IN COMBINATION OF CANE, WOOD, AND UPHOLSTERY; ALSO FIBER RUSH AND REED FURNITURE CONSISTING OF SETTEES, SOFAS, DAVENPORTS, ARMCHAIRS, ROCKERS, TABLES, DESKS, TEA-WAGONS, FERNERIES, BUFFETS, CHAIRS, BEDSTEADS, MATTRESSES, AND MATTRESS SPRINGS.
Claims use since June 1, 1940.

390,743. (CLASS 32. FURNITURE AND UPHOLSTERY.) LEWISBURG CHAIR AND FURNITURE CO., Lewisburg, Pa. Filed Oct. 15, 1940. Serial No. 436,974.

Pennsylvania House

FOR CHAIRS, SETTEES, TABLES, BEDS, MIRRORS, DESKS, GENERAL LIVING ROOM, DINING ROOM, AND BEDROOM FURNITURE.
Claims use since July 1, 1940.

390,744. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) COLNES & MACDERMOTT INC., New York, N. Y. Filed Oct. 19, 1940. Serial No. 437,084.

NUHOLD

FOR BUCKLES MADE OF NONPRECIOUS METAL INTENDED FOR USE ON WEARING APPAREL.
Claims use since June, 1940.

390,745. (CLASS 39. CLOTHING.) VICTOR BROWN UNDIES, INC., New York, N. Y. Filed Oct. 21, 1940. Serial No. 437,119.

ARCH BACK SLIPS

LADIES' AND MISSES' SLIPS AND CAMISOLES OF SILK, SATIN, RAYON, AND COMBINATIONS THEREOF.
Claims use since July 31, 1939.

390,746. (CLASS 39. CLOTHING.) EAGLE CLOTHES, New York, N. Y. Filed Nov. 18, 1940. Serial No. 438,000.

RAEBURN

FOR OVERCOATS, TOPCOATS, AND SUITS FOR MEN AND YOUNG MEN.
Claims use since July 15, 1940.

390,747. (CLASS 39. CLOTHING.) SAMUEL J. GOLDFARB, New York, N. Y. Filed Dec. 19, 1940. Serial No. 439,022.

SWEET 'N NEAT

FOR LADIES' HOUSE DRESSES AND APRONS.
Claims use since Aug. 1, 1940.

390,748. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) SOUTHWEST WHEEL, Dallas, Tex. Filed Jan. 3, 1941. Serial No. 439,395

Excel

FOR STORAGE BATTERIES.
Claims use since Jan. 1, 1932.

390,749. (CLASS 39. CLOTHING.) VICTOR BROWN UNDIES, INC., New York, N. Y. Filed Feb. 12, 1941. Serial No. 440,575.

"KOVERSTRAP"

FOR LADIES' AND MISSES' SLIPS, PETTICOATS AND CAMISOLES, OF SILK, SATIN, RAYON, AND COMBINATIONS THEREOF.
Claims use since June 1, 1940.

390,750. (CLASS 37. PAPER AND STATIONERY.) GOLDSMITH BROS., New York, N. Y. Filed Apr. 1, 1941. Serial No. 442,164.

KwikTAB

FOR GUMMED CELLULOID INDEX STRIPS.
Claims use since Dec. 12, 1936.

390,751. (CLASS 37. PAPER AND STATIONERY.) NEKOOSA-EDWARDS PAPER COMPANY, Port Edwards, Wis. Filed Apr. 2, 1941. Serial No. 442,201.

NURAP

FOR WRAPPING PAPER.
Claims use since February, 1935.

390,752. (CLASS 15. OILS AND GREASES.) ROBERTO E VIRAMONTES, San Antonio, Tex. Filed May 1, 1941. Serial No. 443,177.



FOR DEVOTIONAL LIGHTS, OTHERWISE KNOWN AS VOTIVE LIGHTS, OR CANDLES.
Claims use since June 1, 1938.

390,753. (CLASS 39. CLOTHING.) HERMAN BROS. UNDERGARMENTS, INC., New York, N. Y. Filed May 17, 1941. Serial No. 443,659.

SMART-FIT

FOR LADIES' UNDERGARMENT SLIPS.
Claims use since Sept. 7, 1938.

390,754. (CLASS 39. CLOTHING.) PARAMOUNT CHILDRENS DRESS CORP., New York, N. Y. Filed May 21, 1941. Serial No. 443,779.

Juniorteen by JANE WILTON

FOR MISSES' AND GIRLS' AND CHILDREN'S DRESSES, BLOUSES, SKIRTS, AND JACKETS.
Claims use since Feb. 15, 1940.

390,755. (CLASS 39. CLOTHING.) EPSTEIN GARMENT CORP., New York, N. Y. Filed May 29, 1941. Serial No. 444,041.



FOR LADIES' AND MISSES' DRESSES, COATS, AND DRESS ENSEMBLES CONSISTING OF DRESS AND COATS.
Claims use since April, 1940.

390,756. (CLASS 39. CLOTHING.) ADOLPH BRIEFF, New York, N. Y. Filed July 3, 1941. Serial No. 445,040.

GLOSSTONE
A BRIEFF EXCLUSIVE

FOR LADIES' AND MISSES' COATS, WRAPS, AND CAPES.
Claims use since Mar. 1, 1939.

390,757. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ADOLPH BRIEFF, New York, N. Y. Filed July 3, 1941. Serial No. 445,041.

GLOSSTONE
A BRIEFF EXCLUSIVE

FOR PILE FABRICS OF A COMBINATION OF COTTON, WOOL, RAYON, AND MOHAIR, IN THE PIECE.
Claims use since Mar. 1, 1939.

390,758. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MANDELBAUM COATS, INC., New York, N. Y. Filed July 3, 1941. Serial No. 445,064.

Mandella Fabric

FOR TEXTILE FABRICS IN THE PIECE, OF COTTON, WOOL, WORSTED, CASHMIR, MOHAIR, AND COMBINATIONS THEREOF.
Claims use since December, 1935.

390,759. (CLASS 39. CLOTHING.) RUTHERFORD COAT CO., INC., New York, N. Y. Filed July 3, 1941. Serial No. 445,069.

Dornoch

FOR WOMEN'S, MISSES' AND JUNIORS' COATS, SUITS, JACKETS, CAPES, SKIRTS, COAT AND SUIT ENSEMBLES, AND SUIT AND CAPE ENSEMBLES.
Claims use since Apr. 1, 1940.

390,760. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AMERENG FABRICS, INC., New York, N. Y. Filed July 12, 1941. Serial No. 445,281.

INVERNESS

FOR WOOLEN AND WORSTED PIECE GOODS.
Claims use since Apr. 23, 1940.

TRADE-MARK REGISTRATIONS RENEWED

139,831. **TARGOSINE.** A PHARMACEUTICAL PREPARATION FOR TREATING CERTAIN NAMED DISEASES. Registered February 22, 1921. HOWARD MCLARTY. Renewed February 22, 1941, to Randolph McLarty, Monroe, N. C., successor.

145,673. **REPRESENTATION OF THREE COLUMNS.** FINISHED MARBLE, MARBLE CUT TO SIZE, AND CUT STONE. Registered August 16, 1921. THE GEORGIA MARBLE COMPANY, Tate, Ga., a corporation of Georgia. Renewed August 16, 1941.

145,674. **CREOLE.** MARBLE CUT TO SIZE, FINISHED MARBLE, AND CUT STONE. Registered August 16, 1921. THE GEORGIA MARBLE COMPANY, Tate, Ga., a corporation of Georgia. Renewed August 16, 1941.

145,971. **MONOLINX.** CUFF-BUTTONS AND CUFF-LINKS. Registered August 23, 1921. SAMUEL B. KAHN, doing business as Central Monogram Jewelry Works, Chicago, Ill. Renewed August 23, 1941.

146,015. **LA SUPERBA.** SARDINES AND OLIVE-OIL. Registered August 23, 1921. VON BREMEN, ASCHE & CO. Renewed August 23, 1941, to Von Bremen-Asche-de Bruyn, Inc., New York, N. Y., a corporation of New York, assignee.

146,067. **EFFESBEE.** COTTON, DRILLS, TWILLS IN THE PIECE. Registered August 30, 1921. FRED S. BENNETT, INC., New York, N. Y., a corporation of New York. Renewed August 30, 1941.

146,079. **SULFMINOL.** A MEDICINAL PREPARATION FOR THE TREATMENT OF GENERAL AND CHRONIC CONSTIPATION. Registered August 30, 1921. THE DELSON CHEMICAL CO., INC., Brooklyn, N. Y., a corporation of New York. Renewed August 30, 1941.

146,609. **HATHORN NO. 2.** NATURAL MINERAL WATER. Registered September 13, 1921. THE STATE OF NEW YORK, Saratoga Springs, N. Y. Renewed September 13, 1941.

146,610. **GEYSER.** NATURAL MINERAL WATER. Registered September 13, 1921. THE STATE OF NEW YORK, Saratoga Springs, N. Y. Renewed September 13, 1941.

146,611. **COESA.** NATURAL MINERAL WATER. Registered September 13, 1921. THE STATE OF NEW YORK, Saratoga Springs, N. Y. Renewed September 13, 1941.

146,625. **CORONA.** FIBROUS GOLD FOR FILLING TEETH. Registered September 13, 1921. THE S. S. WHITE DENTAL MANUFACTURING COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed September 13, 1941.

146,709. **SNOWKREPE.** WOVEN, KNITTED, NETTED, TEXTILE, AND PILE FABRICS IN THE PIECE, WHOLLY OR PARTLY OF SILK. Registered September 20, 1921. CHENEY BROTHERS, South Manchester, Conn. Renewed September 20, 1941, to Cheney Brothers, Manchester, Conn., a corporation of Connecticut.

146,765. **UNION.** CANDY. Registered September 20, 1921. HAWLEY & HOOPS, New York, N. Y., a firm. Renewed September 20, 1941.

147,386. **PRINCO.** SPHYGMOMANOMETERS, THERMOMETERS, HYDROMETERS, HYGROMETERS, BAROMETERS, AND PRECISION MERCURIAL AND DIAPHRAGM PRESSURE AND DRAFT GAGES. Registered October 11, 1921. PRECISION THERMOMETER AND INSTRUMENT COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed October 11, 1941.

147,607. **WHITE SOUTHERN.** MARBLE CUT TO SIZE, FINISHED MARBLE, AND CUT STONE. Registered October 25, 1921. THE GEORGIA MARBLE COMPANY, Tate, Ga., a corporation of Georgia. Renewed October 25, 1941.

147,683. **SS.** CERTAIN NAMED RAILWAY-CAR ACCESSORIES. Registered October 25, 1921. SCULLIN STEEL CO., Renewed October 25, 1941, to Scullin Steel Company, St. Louis, Mo., a corporation of Missouri, assignee by mesne assignments.

147,928. **ONDOYANT.** PIECE GOODS OF SILK. Registered November 8, 1921. BIANCHINI, FÉRIER, Lyon, France. Renewed November 8, 1941, to Bianchini, Férier, Inc., New York, N. Y., a corporation of New York, assignee.

148,539. **ORENDA.** NATURAL MINERAL WATER. Registered November 15, 1921. THE STATE OF NEW YORK, Saratoga Springs, N. Y. Renewed November 15, 1941.

148,664. **REPRESENTATION OF AN EYE.** SWEETENED, UNSWEETENED, FULL-CREAM EVAPORATED AND CONDENSED MILK AND UNSWEETENED WHOLE-CREAM MILK. Registered November 22, 1921. HELVETIA MILK CONDENSING COMPANY, Highland, Ill. Renewed November 22, 1941, to Pet Milk Company, St. Louis, Mo., a corporation of Delaware, assignee.

148,665. **HONOR.** SWEETENED, UNSWEETENED, FULL-CREAM EVAPORATED AND CONDENSED MILK AND UNSWEETENED WHOLE-CREAM MILK. Registered November 22, 1921. HELVETIA MILK CONDENSING COMPANY, Highland, Ill. Renewed November 22, 1941, to Pet Milk Company, St. Louis, Mo., a corporation of Delaware, assignee.

148,723. **BLACK AND WHITE.** CERTAIN NAMED MEDICINAL AND TOILET PREPARATIONS. Registered November 22, 1921. PLOUGH CHEMICAL COMPANY. Renewed November 22, 1941, to Plough, Inc., Memphis, Tenn., a corporation of Delaware, assignee.

148,724. **REPRESENTATION OF A DESIGN WITH BLACK AND WHITE AREAS.** CERTAIN NAMED MEDICINAL AND TOILET PREPARATIONS. Registered November 22, 1921. PLOUGH CHEMICAL COMPANY. Renewed November 22, 1941, to Plough, Inc., Memphis, Tenn., a corporation of Delaware, assignee.

148,790. **B F.** PIECE GOODS OF SILK, WOOL, LINEN, COTTON, AND CHINA-GRASS. Registered November 29, 1921. BIANCHINI, FÉRIER, Lyon, France. Renewed November 29, 1941, to Bianchini, Férier, Inc., New York, N. Y., a corporation of New York, assignee.

148,866. **I C CO.** CERTAIN NAMED CHEMICAL AND MEDICINAL PREPARATIONS. Registered November 29, 1921. INDUSTRIAL CHEMICAL COMPANY. Renewed November 29, 1941, to West Virginia Pulp and Paper Company, New York, N. Y., a corporation of Delaware, assignee.

148,916. **C-2223.** MEDICINE FOR RHEUMATISM, GOUT, SCIATICA, LUMBAGO, AND OTHER BLOOD DISEASES. Registered November 29, 1921. PLOUGH CHEMICAL COMPANY. Renewed November 29, 1941, to Plough, Inc., Memphis, Tenn., a corporation of Delaware, assignee.

148,997. **PHRYNÉ.** PIECE GOODS OF SILK, WOOL, LINEN, COTTON, AND CHINA-GRASS. Registered December 6, 1921. BIANCHINI, FÉRIER, Lyon, France. Renewed December 6, 1941, to Bianchini, Férier, Inc., New York, N. Y., a corporation of New York, assignee.

148,998. **CRAQUELINE.** PIECE GOODS OF SILK, WOOL, LINEN, COTTON, AND CHINA-GRASS. Registered December 6, 1921. BIANCHINI, FÉRIER, Lyon, France. Renewed December 6, 1941, to Bianchini, Férier, Inc., New York, N. Y., a corporation of New York, assignee.

149,097. **ROYLITE HVW.** A PREPARATION FOR CLEANING METALS. Registered December 6, 1921. THE HANSON & VAN WINKLE COMPANY, Newark, N. J. Renewed December 6, 1941, to Hanson-Van Winkle-Munning Company, Matawan, N. J., a corporation of New Jersey, assignee.

149,244. **ZERO MACKINAW.** MACKINAWS AND OVERCOATS. Registered December 6, 1921. SPOKANE DRY GOODS COMPANY, Spokane, Wash. Renewed December 6, 1941, to Black Manufacturing Co., Seattle, Wash., a corporation of Washington, assignee.

149,256. **TRILLIUM.** UNDERWEAR—NAMELY, CHEMISES, BLOOMERS, CAMISOLES, PETTICOATS, VESTS, NIGHTGOWNS, PAJAMAS, SHIRTS, AND DRAWERS. Registered December 6, 1921. TAILORED SILK UNDERGARMENT CO. Renewed December 6, 1941, to Tailored Silk Undergarment Co. Inc., New York, N. Y., a corporation of New York, by merger.

150,124. **STATE SEAL.** NATURAL MINERAL WATER. Registered December 27, 1921. THE STATE OF NEW York, Saratoga Springs, N. Y. Renewed December 27, 1941.

150,250. **PORJERVIS.** PIECE GOODS OF SILK. Registered January 3, 1922. BIANCHINI, FÉRIER, Lyon, France. Renewed January 3, 1942, to Bianchini, Férier, Inc., New York, N. Y., a corporation of New York, assignee.

150,251. **JERVISIA.** PIECE GOODS OF SILK. Registered January 3, 1922. BIANCHINI, FÉRIER, Lyon, France. Renewed January 3, 1942, to Bianchini, Férier, Inc., New York, N. Y., a corporation of New York, assignee.

150,920. **RAPINWAX.** WRAPPING PAPER. Registered January 10, 1922. BERNARD A. NIENHAUSER, St. Paul, Minn. Renewed January 10, 1942, to Rapinwax Paper Company, Minneapolis, Minn., a corporation of Minnesota, successor.

151,197. **RED SEAL.** POWDER PUFFS. Registered January 24, 1922. MORRIS, MANN & REILLY. Renewed January 24, 1942, to Morris, Mann & Reilly, Inc., Chicago, Ill., a corporation of Illinois, successor.

151,417. **BRADLEYSTAT.** ELECTRICAL CONTROLLING DEVICES OF THE CARBON-PILE RHEOSTAT TYPE. Registered February 7, 1922. ALLEN-BRADLEY COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Renewed February 7, 1942.

151,563. **MYREX.** TANNING EXTRACTS. Registered February 7, 1922. NEW YORK QUEBRACHO EXTRACT COMPANY. Renewed February 7, 1942, to The Tannin Corporation, New York, N. Y., a corporation of New York, by change of name.

151,564. **QUATEX.** TANNING EXTRACTS. Registered February 7, 1922. NEW YORK QUEBRACHO EXTRACT COMPANY. Renewed February 7, 1942, to The Tannin Corporation, New York, N. Y., a corporation of New York, by change of name.

151,565. **QUEMEX.** TANNING EXTRACTS. Registered February 7, 1922. NEW YORK QUEBRACHO EXTRACT COMPANY. Renewed February 7, 1942, to The Tannin Corporation, New York, N. Y., a corporation of New York, by change of name.

151,644. **WILLIAMS.** DROP FORGINGS, CASTINGS, STAMPINGS, STEELS, AND HIGH-SPEED STEELS. Registered February 7, 1922. J. H. WILLIAMS & Co., Brooklyn, N. Y. Renewed February 7, 1942, to J. H. Williams & Co., Buffalo, N. Y., a corporation of New York.

151,661. **METROPOLITAN OPERA.** COFFEE. Registered February 14, 1922. AMERICAN UNIVERSAL COFFEE COMPANY. Renewed February 14, 1942, to Ara Belle De Clonis, also known as Mrs. A. De Clonis, doing business as American Universal Coffee Company, Dallas, Tex., successor.

151,662. **GUATEMALA TROVATORE.** COFFEE. Registered February 14, 1922. AMERICAN UNIVERSAL COFFEE COMPANY. Renewed February 14, 1942, to Ara Belle De Clonis, also known as Mrs. A. De Clonis, doing business as American Universal Coffee Company, Dallas, Tex., successor.

151,701. **BAFFLE BAR.** CHOCOLATE-COATED CANDY. Registered February 14, 1922. CARDINET CANDY COMPANY. Renewed February 14, 1942, to Cardinet Candy Company, Inc., Oakland, Calif., a corporation of California, assignee by mesne assignments.

151,716. **THE MINERAL WAX TWINS.** INKED RIBBONS AND CARBON SHEETS FOR DUPLICATING OR TRANSFERRING IMPRESSIONS. Registered February 14, 1922. THE COLUMBIA CARBON COMPANY, Dayton, Ohio, a corporation of Ohio. Renewed February 14, 1942.

151,736. **DE PINNA.** CERTAIN ARTICLES OF CLOTHING. Registered February 14, 1922. A. DE PINNA CO., INC., New York, N. Y., a corporation of New York. Renewed February 14, 1942.

REISSUES

SEPTEMBER 30, 1941

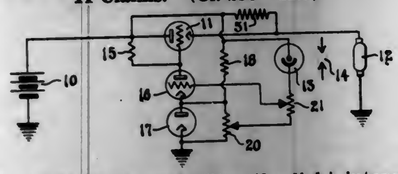
21,907

LIGHT CONTROL MEANS

James R. Balsley, Stamford, Conn., assignor, by direct and mesne assignments, to James R. Balsley, Incorporated, Stamford, Conn., a corporation of Connecticut

Original No. 2,242,638, dated May 20, 1941, Serial No. 344,706, July 10, 1940. Application for reissue August 7, 1941, Serial No. 405,840

11 Claims. (Cl. 250—41.5)



5. A device for controlling the light intensity of a light source, comprising a direct current amplifier, a light source conductively connected in the output circuit of said amplifier, a photoelectric device receiving light from said light source and degeneratively connected to the input of said amplifier wherein the power supplied to said light source is inversely proportional to illumination of said device for any fixed value of said illumination or variation thereof at all frequencies.

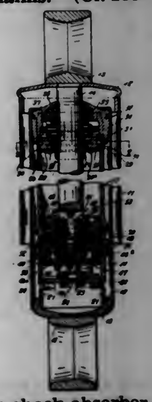
21,908

SHOCK ABSORBER

Eugene L. Beecher, Cleveland Heights, Ohio, assignor to The Gabriel Company, Cleveland, Ohio, a corporation of Ohio

Original No. 2,214,038, dated September 10, 1940, Serial No. 212,995, June 10, 1938. Application for reissue October 12, 1940, Serial No. 360,970

13 Claims. (Cl. 188—88)



1. A hydraulic shock absorber comprising relatively reciprocable cylinder and piston members, said piston member being provided with a passage extending between the opposite ends thereof, a flexible cup-shaped packing ring carried by said piston and overlying one end of said passage and having its wall portion engaging the cylinder wall whereby said ring seals said passage during movement of the piston in one direction, said piston being provided with a second and constantly open passage extending therethrough, said piston also being provided with a third passage therethrough, and a spring controlled valve sealing said third passage when the pressure of the liquid therein is below a predetermined point during movement of said piston in said one direction.

21,909

EYELENS BRACE AND PROTECTOR

William Brown, Wilkes-Barre, Pa., assignor to The Ful-Vue Sales Company, Providence, R. I.

Original No. 2,197,682, dated April 16, 1940, Serial No. 271,289, May 2, 1939. Application for reissue June 20, 1941, Serial No. 399,042

7 Claims. (Cl. 88—41)



1. In eyeglass construction, in combination, a pair of lenses, a bridge disposed between said lenses, said bridge being provided with parallel straps at its outer ends, for engagement with a portion of the lenses, temples pivotally connected to temple arms, said temple arms being provided with parallel straps at one end thereof for engagement with the lenses; a rim brace disposed about the upper section of said lenses but not contacting any part of said lenses, the outer ends of said rim brace adapted to overlie one of the parallel straps of the said temple and bridge, and securing means extending through said parallel straps, lenses and rim brace for securing the elements together.

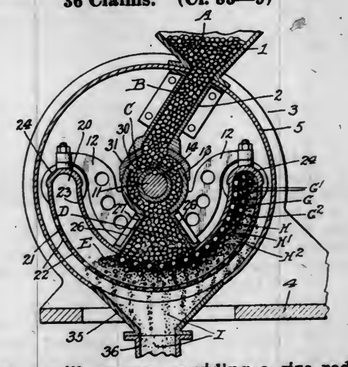
21,910

APPARATUS FOR REDUCTION

Robert S. Butler, Santa Monica, Calif., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Original No. 2,168,082, dated August 1, 1939, Serial No. 45,796, October 19, 1935. Application for reissue June 30, 1941, Serial No. 400,573

36 Claims. (Cl. 83—9)



1. In a mill, means providing a size-reducing chamber supported for movement back and forth,

said size-reducing chamber elongated in its direction of back-and-forth movement, at least approximating uniformity in cross sectional area throughout the major portion of its length, provided with discharge means through which material of small enough size to go through the same may pass while the chamber is in motion, and having means for the introduction into said chamber during the operation of the mill of material to be processed, including a feed passage communicating with said chamber through an aperture intermediate the ends of the chamber in a wall which extends longitudinally of the latter, and means for moving said chamber back and forth, said chamber of such dimension between said aperture and the opposite surface of said chamber, said chamber and said aperture of such relative lengths and disposition and said chamber-moving means imparting to said chamber movement at such rate and of such amplitude, that during normal continuous size-reducing operation the chamber load will be reciprocated between the ends of the chamber as a substantially compact mass substantially filling the entire cross-section of the chamber throughout the major portion of its own length and sweeping across the feed aperture and controlling the ingress of material awaiting entrance to the chamber at said feed aperture, and coacting with said feed aperture to preclude the building up of the volume of the mass sufficiently to fill the chamber completely.

21,911
PROCESS FOR CONVERTING HYDROCARBONS

Frederick E. Frey, Bartlesville, Okla., and Walter F. Huppke, Lomita, Calif., assignors to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware

No Drawing. Original No. 2,098,959, dated November 16, 1937, Serial No. 723,608, May 2, 1934. Application for reissue December 18, 1940, Serial No. 370,736

12 Claims. (Cl. 260—683)

4. In a process for dehydrogenating aliphatic hydrocarbons to produce corresponding hydrocarbons of lower hydrogen-carbon ratio, the step which comprises passing the hydrocarbon at a reaction temperature in contact with a vitreous gel catalyst comprising chromium oxide together with a difficultly reducible oxide of the group aluminum, zirconium, titanium, silicon, thorium, boron and magnesium, the said oxides having been combined in a state of intimate association effected while in a highly hydrous condition and having added also at least one-half per cent of a readily reducible oxide of the group thallium, bismuth, lead and mercury.

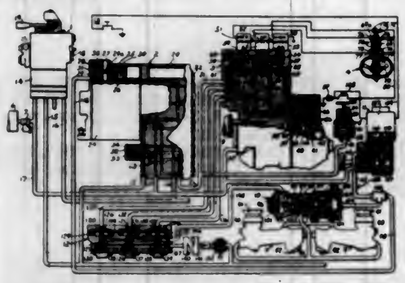
21,912
SANDING CONTROL MEANS

Ellis E. Hewitt, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Original No. 2,232,915, dated February 25, 1941, Serial No. 311,920, December 30, 1939. Application for reissue April 30, 1941, Serial No. 391,160

17 Claims. (Cl. 291—3)

4. A sanding apparatus for sanding a rail under a railway vehicle, comprising, sander means for supplying sand for sanding said rail, regulating means adjustable to provide one rate of sand supply by said sander means for one speed range of the vehicle, another rate of sand supply for another speed range of the vehicle and still another rate of sand supply for a third speed range of the vehicle, means conditionable for each of said different speed ranges to effect



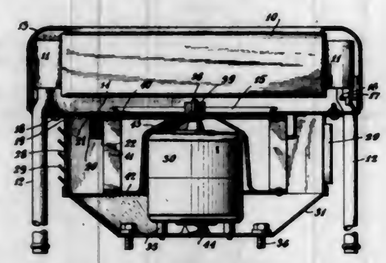
adjustment of said regulating means to limit the rate of sand supply according to the speed range, and means adjustable substantially in accordance with the speed of the vehicle for controlling the conditioning of said means.

21,913
HEATER

Carl E. Meyerhoefer, Brooklyn, N. Y., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y., a corporation of New York

Original No. 2,087,160, dated July 13, 1937, Serial No. 141,273, May 7, 1937. Application for reissue July 19, 1941, Serial No. 403,240

16 Claims. (Cl. 257—137)



4. An apparatus of the character described including in combination a core, air impelling means positioned adjacent said core, a motor connected to said means to rotate the same to draw air through said core and to distribute the same radially, means for deflecting a portion of the radially distributed air forwardly toward said core and outwardly beyond the edges of the same, and means enclosing a portion of said impelling means and providing a passage for the tangential distribution of a column of air.

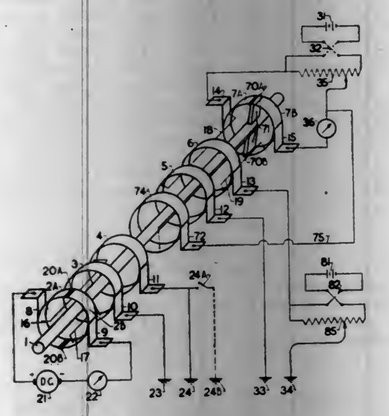
21,914
COMMUTATION SYSTEM

David Saville Muzzey, Jr., Houston, Tex., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Original No. 2,204,436, dated June 11, 1940, Serial No. 188,954, February 5, 1938. Application for reissue May 19, 1941, Serial No. 394,173

16 Claims. (Cl. 175—182)

10. In a method of geophysical exploration, the steps of passing an interrupted commutated reversing current through the ground, detecting the reversing potential generated in the ground by said current, commutating said reversing potential in synchronism with the commutations of the current passed through the ground, impressing said commutated potential on an indicating device, reducing the readings of said device to zero by applying thereto an opposing potential from an adjustable source of electromotive force and short-circuiting the indicating device in synchronism with the interruptions in the flow of the current passed through the ground.



21,915
ROOFING GRANULES AND METHOD OF PRODUCING SAME

Ernest H. Nichols, Williamsport, Md.

No Drawing. Original No. 1,954,778, dated April 10, 1934, Serial No. 640,733, November 1, 1932. Application for reissue May 21, 1940, Serial No. 336,482

2 Claims. (Cl. 91—70)

1. A method of making roofing granules which consists of first producing granule nuclei by crushing vitreous material and separating certain large sizes thereof from the smaller sizes, crushing the smaller sizes to produce differing sizes relatively much smaller than the granule nuclei, applying to each particle of the granule nuclei a coating including a flux and said differing sizes, then firing the coated nuclei at such a temperature and for such a time as to fuse the surfaces only of the nuclei particles, as to completely fuse the smaller particles of the coating, and as to partly fuse the larger sizes of the coating.

21,916
TREATING OIL WELLS

William V. Vietti, Cucuta, Colombia, and Allen D. Garrison, Houston, Tex., assignors to The Texas Company, New York, N. Y., a corporation of Delaware

No Drawing. Original No. 2,024,119, dated December 10, 1935, Serial No. 739,504, August 11, 1934. Application for reissue August 13, 1941, Serial No. 406,730

17 Claims. (Cl. 166—21)

1. The method of treating an oil well, which comprises depositing in the sand adjacent the well a chemical precipitate which acts as a preferential wetting agent to render the sand more permeable to oil and less permeable to water.

PATENTS

GRANTED SEPTEMBER 30, 1941

2,257,086
TREATING HYDROCARBON FLUIDS

Harold V. Atwell, Beacon, N. Y., assignor to Process Management Company, Inc., New York, N. Y., a corporation of Delaware

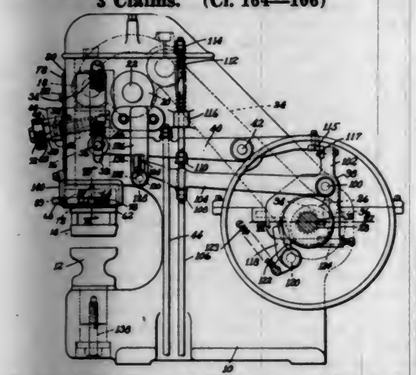
No Drawing. Application December 2, 1939, Serial No. 307,260
3 Claims. (Cl. 196—13)

1. A method of treating hydrocarbon fluids to separate paraffinic constituents from unsaturated constituents which comprises intimately mixing a hydrocarbon fluid containing saturated and unsaturated constituents with a liquid containing an aluminum chloride-hydrocarbon complex formed by reacting anhydrous aluminum chloride with hydrocarbon oil to extract unsaturated constituents from the hydrocarbon fluid.

2,257,087
PERFORATING MACHINE

Hubert Boothroyd, Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application January 25, 1940, Serial No. 315,505
In Great Britain February 17, 1939
3 Claims. (Cl. 164—106)



3. A perforating machine comprising a work support, a plunger mounted for reciprocation heightwise of the support, a die carried by the plunger, power-operated means for moving the plunger toward the work support, means for varying the effective length of the plunger, means for locking the die on the plunger including a stem slidably mounted in the plunger, and a plate carried by the plunger and having a keyhole slot, through which the stem projects, arranged to prevent movement of the stem relatively to the plunger except when the die is located a predetermined distance from the power-operated means.

2,257,088
WATER-REPELLENT PROCESS

Herman A. Bruson and Louis H. Bock, Philadelphia, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa.

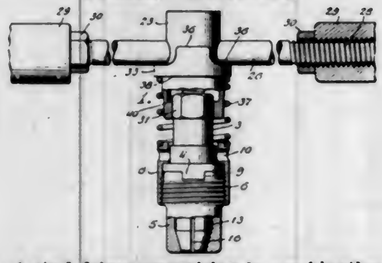
No Drawing. Application December 29, 1938, Serial No. 248,196
7 Claims. (Cl. 8—113)

1. The process of treating textile material, which comprises impregnating the material with a compound selected from the group consisting of phenolic-methylene tertiary amines in which two of the N-substituents are chosen from the group consisting of open chain, lower aliphatic groups and divalent groups which jointly with the nitrogen form a heterocyclic ring and in which the phenolic group bears an organic substituent of the aliphatic and cycloaliphatic series containing at least eight carbon atoms, the acid salts of said amines, and the quaternary salts of said amines, and subsequently heating said textile material to react the amine compound therewith.

2,257,089
STUD DRIVER

Harold Caminez, Kew Gardens, N. Y., assignor to Aircraft Screw Products Company, Inc., Long Island City, N. Y., a corporation of New York

Application December 1, 1939, Serial No. 307,031
5 Claims. (Cl. 81—113)



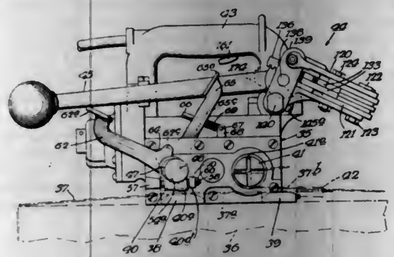
1. A stud driver comprising in combination an interiorly threaded body, a chuck holder releasably attached to said body and provided with an interior conical surface, a slitted chuck in said holder adapted to be compressed by said conical surface upon its axial movement relatively to said holder, a headed screw shaft in engagement with the thread of the body and adapted to exert an axial pressure upon a stud engaged by said chuck to cause thereby compression of said chuck, a collar-like member axially movable relatively to said body, the top portion of said body and the bottom portion of said member embodying intermeshing means to prevent said member from rotation relatively to said body, the head of said shaft and the top of said member including abutments to prevent said head from rotation beyond a pre-determined arc relatively to said member.

2,257,090
STRAP SEALING APPARATUS

William C. Childress, Oak Park, Ill., assignor to Acme Steel Company, Chicago, Ill., a corporation of Illinois

Original application November 16, 1936, Serial No. 111,088. Divided and this application August 19, 1938, Serial No. 225,680
6 Claims. (Cl. 81—9.1)

1. The combination in a strap sealing device for uniting overlapping strap ends, of a casing, a sealing device pivotally mounted on said casing for movement toward and from said strap ends and comprising a pair of relatively movable jaws, a rack and pinion for effecting relative movement of said jaws, a lever for operating said pinion, said lever having a recess, a stationary member mounted adjacent the pivot of said seal-



ing device and having a recess therein, and a bar mounted between said lever and said stationary member and having an aperture adapted to contain a plurality of balls, said aperture being adapted to register with said recesses.

2,257,091
SOLUBILIZATION OF DIAZOIMINO COMPOUNDS

Wallace A. Erickson, Chicago, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

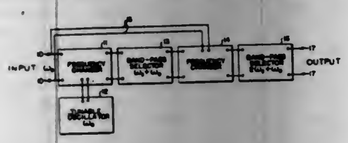
No Drawing. Application February 8, 1940, Serial No. 317,897
4 Claims. (Cl. 260—140)

1. The process which comprises reacting a diazoimino compound derived from class consisting of diethanol amine and methyl glucamine with ethylene oxide.

2,257,092
FREQUENCY-MODULATED CARRIER-SIGNAL TRANSLATING SYSTEM

Robert L. Freeman, Flushing, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware

Application March 1, 1940, Serial No. 321,610
13 Claims. (Cl. 250—20)



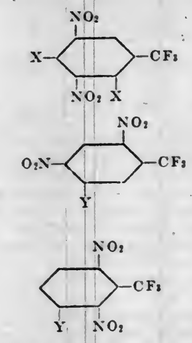
1. A frequency-modulated carrier-signal translating channel comprising, an input circuit adapted to have applied thereto a frequency-modulated input carrier signal, means coupled to said input circuit for selectively deriving directly from said input signal at least two separate carrier signals each having frequency-modulation components corresponding to those of said input signal, means for combining said derived carrier signals in substantially the same time relationship to develop an output carrier signal having modulation components dependent upon the frequency-modulation components of both of said derived carrier signals, and an output circuit for said output signal coupled to said last-named means.

2,257,093
DINITRO-BENZOTRIFLUORIDE COMPOUNDS

Martin E. Friedrich, Carneys Point, N. J., and Lester E. Schniepp, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 31, 1937, Serial No. 182,798
12 Claims. (Cl. 260—646)

1. The benzotrifluorides represented by the formulae



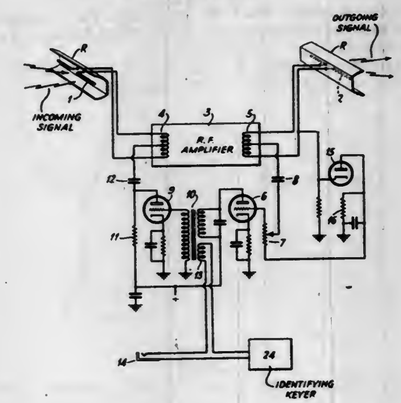
and

in which one X is hydrogen and the other is one of a group consisting of hydrogen, halogen and alkoxy; and Y is one of a group consisting of halogen and alkoxy.

2,257,094
HIGH FREQUENCY RADIO RELAY SYSTEM

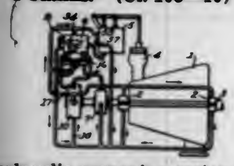
Hallan E. Goldstine, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application August 1, 1939, Serial No. 287,700
12 Claims. (Cl. 250—15)



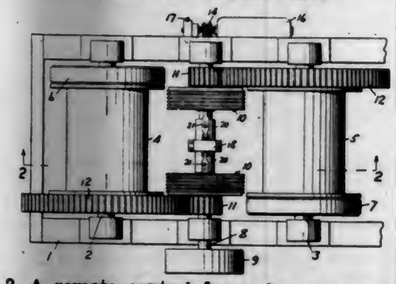
1. In a radio relay station, a radio frequency amplifier having an input and an output, an audio frequency oscillator, means for utilizing said radio frequency amplifier as a feedback link for said oscillator whereby said oscillator operates whenever said amplifier is operative, and means connected to the output of said radio frequency amplifier for disabling said oscillator in the presence of radio frequency signals in the output of said amplifier.

2,257,095
VARIABLE CAPACITY PUMP FOR GOVERNING APPARATUS
Manious Gottlieb, Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 4, 1940, Serial No. 312,320
4 Claims. (Cl. 103—10)



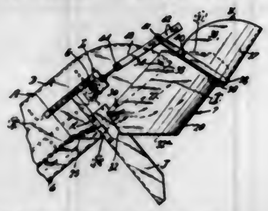
1. In a hydraulic governing system for a prime mover having a wide speed range, a pump driven by the prime mover for furnishing oil for the system and comprising a gear meshing with a plurality of pinions to provide a multiplicity of gear pumping units, means providing an oil supply source, a discharge passage for supplying oil under pressure from the pumping units to the system, means for continuously connecting the discharge sides of all of the pumping units to the discharge passage and continuously connecting the suction side of one of the pumping units to said source, means including a valve for connecting the suction side or sides of the remaining pumping unit or units either to the source or to the discharge side or sides of such remaining pumping unit or units, and means dependent upon prime mover speed for operating the valve such that, at the maximum speed, said remaining pumping unit or units are disconnected from said source and, at minimum speed, they are connected thereto.

2,257,096
REMOTE CONTROL MECHANISM FOR DRAG SCRAPERS
William E. Hale, Fort Washington, Pa., assignor to Beaumont Birch Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 6, 1938, Serial No. 206,382
3 Claims. (Cl. 254—185)



2. A remote control for a drag scraper comprising, a pair of drag-scraper-cable-receiving drums, a counter-shaft located between said drums and forming a part of the drive for said drums, a connection between each of said drums and said counter-shaft, a clutch forming a part of each of said connections and arranged to connect and disconnect said counter-shaft and said drums, means for moving said clutches simultaneously so that one or the other of said clutches is moved into engaged position at one time, an electric motor for operating said means under the control of an operator, a source of current, a pair of electro-magnetically operated switches controlling the connection between said motor and said source of current, a manually operable controller having a plurality of stationary contacts, each of said contacts being connected to said source of current and through one of said switches to the electro-magnetically operating means of the other switch, and a pair of limit switches driven by said motor and operated because of the position of said motor and each connected in parallel with one of the stationary contacts of said controller and each connected in series through one of said electro-magnetically operated switches to the electro-magnetically operating means of the other switch so that, when either of said limit switches is closed and connected into circuit, said electric motor moves into position in which said clutches are disconnected.

2,257,097
CROP CLEANING ATTACHMENT FOR HARVESTER CONVEYERS
Gustav Anderson, St. Louis Park, Orville J. Parks, Hopkins, and Kenneth M. Keith, Minneapolis, Minn., assignors to Minneapolis-Moline Power Implement Company, Minneapolis, Minn., a corporation of Delaware
Application April 6, 1939, Serial No. 266,434
10 Claims. (Cl. 209—136)



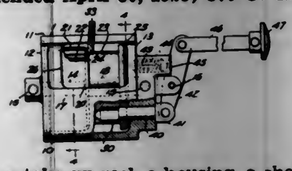
1. A grain elevator for a harvesting implement comprising, an upwardly inclined housing having a discharge opening in the upper portion of its inclined lower side, means for conveying material upwardly through the housing for discharging the material outwardly and downwardly through the said opening, means for directing a stream of air upwardly and outwardly through the material as it issues through the said discharge opening, a primary deflecting member adjustably mounted on the upper end of the housing and having a channeled portion spaced under the said discharge opening, the said deflecting member also having inner and outer open ends through one of which the air will travel as it blows past the opening, and a secondary deflecting member forming an extension of the said primary deflecting member.

2,257,098
TRANSMISSION MECHANISM
Charles A. Arens, Chicago, Ill.
Application December 19, 1938, Serial No. 246,546
9 Claims. (Cl. 74—501)



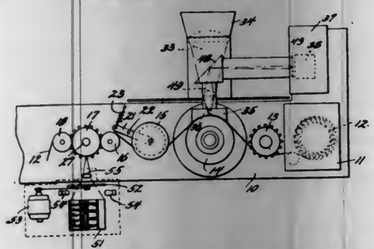
5. A transmission cable for control mechanisms and the like comprising a sheath, said sheath being composed of a wire coil having convolutions of progressively increasing and decreasing radius whereby to produce a series of longitudinally spaced neck portions of reduced radius, and a core member movable within said sheath in bearing engagement with said neck portions, the coil convolutions being in contact and the difference in radius between the coil convolutions of maximum and minimum size being not substantially greater than the thickness of the wire.

2,257,099
PILOT'S SHOULDER SAFETY BELT TAKE-UP REEL ASSEMBLY
John C. Beirise, Dayton, Ohio
Application June 27, 1940, Serial No. 342,748
2 Claims. (Cl. 242—107)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



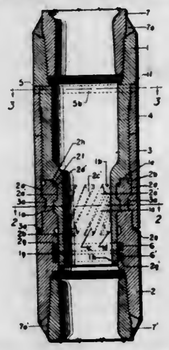
1. In a take-up reel, a housing, a shaft carried by said housing and having an end extending therefrom, a drum mounted on said shaft within said housing, a plurality of holes in one end of said drum and arranged in a circle concentric with said shaft, a cable on said drum and having one end anchored in one of said holes, a recess in the other end of said drum, a spring in said recess for winding said cable on said drum, a detent plunger carried by said housing and engageable with said holes to lock said drum against rotation, a lever connected with said plunger and pivotally mounted on said end of said shaft, a spring in said housing acting on said lever to urge said plunger into locking engagement with said drum, and means for moving said lever against the action of said spring to withdraw said plunger to permit rotation of said drum.

2,257,100
METHOD AND APPARATUS FOR PRODUCING CONTINUOUS PHOTOGRAPHIC STRIPS
Harry D. Belock, Richmond Hill, N. Y., assignor to American Teletimer Corp., New York, N. Y., a corporation of New York
Application October 29, 1938, Serial No. 237,771
7 Claims. (Cl. 95—11)



1. The method of forming a continuous uninterrupted and undivided photographic record of race participants crossing the finish line of a race course, comprising the steps of focusing a camera on the finish line of the course, moving a continuous strip of film in the camera at a rate having the same ratio to the approximate speed of the participants that the focal lenth of the camera bears to the distance of the camera from the finish line thereby obtaining substantial fixity of the film relative to moving image of the participants crossing the finish line, and passing a slitted element over said film in the direction of movement of the film and at a speed greater than the speed of the film, the size of the slit and the speeds of the slitted element and the film being so related that every portion lengthwise of the film is exposed, thereby obtaining a still continuous photograph containing only one photograph of each participant and indicating at a glance the order in which the participants crossed the finish line of the course.

2,257,101
THREADLESS DRILL PIPE
Alexander Boynton, San Antonio, Tex.
Application June 30, 1939, Serial No. 282,163
6 Claims. (Cl. 285—146)



1. A pipe connection of the character described comprising male and female members having complementary inclined keys to engage when the members are in interfitting relation, additional keys on one of said members, said additional keys being inclined oppositely to the first keys on said one member, a sleeve threaded throughout a portion of its length and threadably mounted upon the other of said members, said sleeve having keys on the unthreaded portion complementary to the additional keys, and means for locking said sleeve against rotation after the members are brought into interfitting relation.

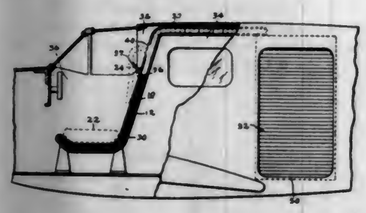
2,257,102
CUTICLE SHIELD
Elizabeth L. Breene, Jackson Heights, N. Y.
Application October 2, 1940, Serial No. 359,337
16 Claims. (Cl. 132—73)



1. In a cuticle protector, the combination of a pair of cheeks, means to move said cheeks to permit the insertion of the sides of a finger tip therebetween and gently press upon the sides of the finger tip to pull the cuticle downwardly from the nail grooves, thus exposing the entire nail surface for manicuring operation, said means returning the cheeks resiliently to initial position upon removal of the finger from the enclosing

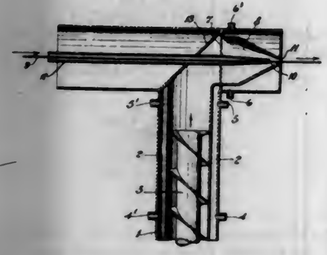
position to said cheeks, and guide means extending transversely of said cheeks for engaging beneath the finger tip to protect the end of the finger from any material applied during the holding of the finger by the cheeks.

2,257,103
FLEXIBLE DEVICE
Harry G. Brokering, Osborn, Ohio
Application June 2, 1938, Serial No. 211,405
7 Claims. (Cl. 244—118)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A seat and partition assembly disposed between the cockpit and the cabin of an airplane, said assembly including a pair of oppositely disposed curved channel members mounted upon the walls of the cockpit, a longitudinally flexible but transversely rigid member adjustably mounted in said channels so that when the flexible member is in one position it functions as a partition between the cockpit and the cabin of the airplane and as a seat for the pilot and when in another position the flexible member being vacated from the seat position in the channels leaving an opening between the cockpit and the cabin.

2,257,104
EXTRUSION METHOD FOR ORGANIC MATERIALS
Lawton Arthur Burrows and Walter Eastby Lawson, Woodbury, and Carl Buel Van Winter, Wenonah, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application November 9, 1939, Serial No. 303,568
19 Claims. (Cl. 18—59)



1. A method of extruding a thermoplastic cellulose derivative composition, which comprises heating said composition above 215° C., extruding said heated material through an orifice at a speed above 800 feet per minute and cooling said extruded material.

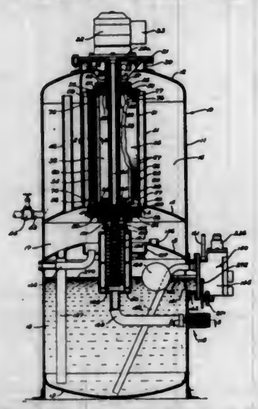
2,257,105
PREPARATION OF RELIEF PRINTING SHEETS ADAPTED FOR USE IN HECTOGRAPHIC REPRODUCTION OF PHOTOGRAPHS
William J. Champion, La Grange, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
No Drawing. Application June 30, 1939, Serial No. 282,200
11 Claims. (Cl. 101—149)

1. The method of forming relief printing sheets for use in water color duplicating process which comprises selectively exposing a light sensitized silver halide gelatin emulsion on a transparent support in accordance with an original representation, developing the exposed emulsion to produce a silver image which varies in depth from the support directly in proportion to its density, tanning the gelatin contiguous to the silver image but not to the extent that the gelatin is incapable of further tanning, washing out the unexposed untanned portions of the gelatin to form a matrix having a relief image formed of partially tanned gelatin, applying a water soluble basic dye to the relief image of said matrix, and removing excess dye stuff from said matrix by washing with a concentrated neutral salt solution.

2,257,106
DERMAL LOTION
Walter G. Christiansen, Glen Ridge, N. J., assignor to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Application February 26, 1938, Serial No. 192,796
6 Claims. (Cl. 167—58)

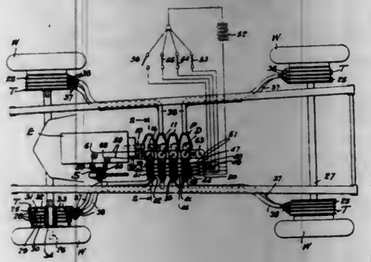
1. A dermal lotion essentially comprising a dermal agent and a higher fatty acid ester of a lower aliphatic monohydric alcohol in alcohol solution, and adapted to form a film of the ester in combination with the dermal agent.

2,257,107
CENTRIFUGAL SEPARATOR
Clarence J. Coberly, Los Angeles, Calif., assignor to Roko Corporation, Reno, Nev., a corporation of Nevada
Application August 13, 1937, Serial No. 158,932
12 Claims. (Cl. 210—63)



1. In a centrifugal filter device, the combination of: filter means having walls defining a filter space; a filter element in said filter space; means for delivering a fluid to be filtered to said filter space; power means for rotating said filter means so as to filter said fluid; means for energizing said power means; valve means providing a passage communicating between said filter space and the exterior of said filter means when said valve is open; and means connected between said power means and said valve means and operative in response to a decrease in rotational speed of said power means relative to said filter means to open said valve means.

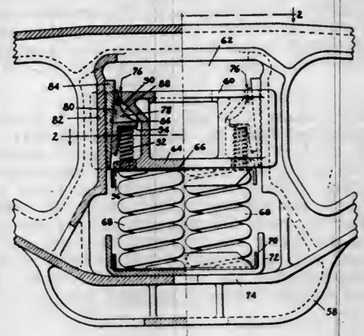
2,257,108
HYDRAULIC DRIVING AND DIFFERENTIAL MECHANISM FOR VEHICLES
Ralph E. Cornwell, La Canada, Calif.
Application August 8, 1939, Serial No. 288,946
6 Claims. (Cl. 180—17)



1. Hydraulic driving mechanism for automotive vehicles comprising co-axially arranged centrifugal pumps, one for each vehicle wheel to be driven, and having a common shaft adapted to be driven by the engine of the vehicle; turbine units co-axially related to each of the vehicle wheels to drive the latter and each including a plurality of forward driving turbines and a reverse driving turbine; conduits connecting the turbines of each unit with one of said pumps; and means by which the flow of liquid through said conduits can be controlled to selectively deliver liquid to any one or more of the turbines of each of said units simultaneously, to obtain a variable torque effect thereat.

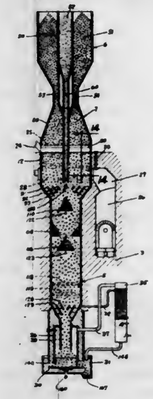
2,257,109
TRUCK STABILIZER
Arthur C. Davidson, Chicago, Ill.
Application August 23, 1938, Serial No. 226,266
15 Claims. (Cl. 105—193)

1. In combination with a bolster having a side surface which in a downward direction is inclined toward the central vertical plane passing longitudinally of the bolster, a side frame having an opening to receive one end of the bolster, stabilizing means cooperatively arranged with the bolster and including means on the side frame providing a chafing surface which in a downward direction is inclined away from the central vertical plane passing longitudinally of the bolster, wedge means arranged between said chafing surface and said inclined bolster surface and having a complementary surface engaging said chafing surface, a second converging surface complementarily engaging the bolster surface, said wedge means being adapted to be forced upwardly with respect to the bolster and outwardly with respect to the bolster in response to a downward movement of the bolster and resilient means cooperatively arranged with respect to the wedge



means and the bolster to yieldably urge the same into operative engagement with the chafing surface and the bolster.

2,257,110
FURNACE STRUCTURE FOR REDUCING ORES
Edward W. Davis, Minneapolis, Minn., assignor to Regents of The University of Minnesota, Minneapolis, Minn., a corporation of Minnesota
Application April 3, 1940, Serial No. 327,653
12 Claims. (Cl. 266—25)

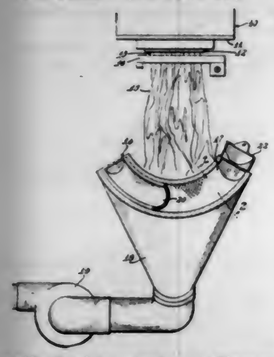


1. A shaft type roasting furnace comprising means at the top of the shaft for separately receiving coarse and fine ore, a heating zone through which the coarse ore passes and through which the heating gases are drawn, thereby heating the coarse ore, a conduit for carrying the fine ore by the heating zone without substantial heating, a reacting zone on which the hot coarse ore, the cool fine ore, and the reacting gases are moxed, a cooling zone in which the ore meets a cooling agent, and discharge means so arranged that the entire shaft of the furnace is kept filled with ore at all times and means in the interior of the furnace so arranged that the ore particles pass through the furnace at approximately a uniform rate.

2,257,111
REMOVING FLUORIDES FROM DRINKING WATER
Elias Elvove, Washington, D. C., assignor to the Government of the United States of America, as represented by the Secretary of the Treasury
No Drawing. Application February 12, 1937, Serial No. 125,482
6 Claims. (Cl. 210—23)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A method for the removal from water of fluorides dissolved in the water, consisting in contacting such fluoride-containing water with tricalcium phosphate in an amount by weight hundreds of times the approximate fluoride content of the water, maintaining such contact for a period time sufficient to reduce substantially the dissolved fluoride content of the water, and withdrawing the water from such contact.

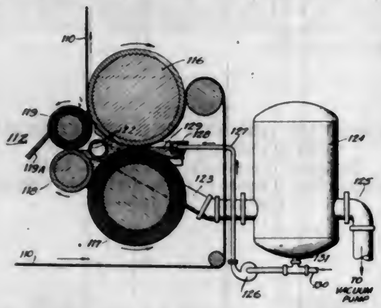
2,257,112
MANUFACTURE OF SPECIAL SHAPES OF HEAT AND SOUND INSULATION BODIES
Alfred Lindsay Forster, Glasgow, Scotland, assignor, by mesne assignments, to Owens-Corning Fiberglas Corporation, a corporation of Delaware
Application October 13, 1938, Serial No. 234,797
In Great Britain October 15, 1937
3 Claims. (Cl. 154—28)



1. The method of producing a fibrous insulating body having a concave form adapted to cover a pipe, valve fitting, pipe junction or the like, which comprises flowing a plurality of streams of molten glass, attenuating said streams into fibrous form by means of a gaseous vehicular blast, directing said blast into a perforated mold having a shape conforming with the object to be insulated, and limiting the passage of the blast through the perforated mold to a restricted area advancing progressively across the mold to deposit said wool over the surface of said mold progressively to build the same up into a loose insulating mass having a shape conforming with said mold and object to be insulated.

2,257,113
COATING APPARATUS
Warren George, Neenah, Wis., assignor to K-C-M Company, Dayton, Ohio, a corporation of Delaware
Application February 2, 1939, Serial No. 254,204
6 Claims. (Cl. 91—48)

1. Apparatus for coating webs which comprises a platen roll around which the web may be propelled, a doctor roll having its periphery spaced slightly from the web at a point where the web is supported by the platen roll and rotatably supported so that said spacing may be maintained constant independent of different angular positions of said doctor roll, means cooperating with said rolls to form a chamber through which the web is propelled while it is supported on the

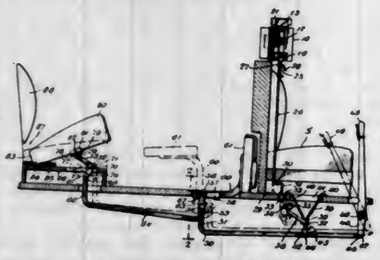


platen roll, means for applying a coating liquid to the traveling web on that side thereof which is presented towards the doctor roll and before the web passes between said rolls and out of said chamber, and means for withdrawing air from said chamber to create an inward suction between said rolls so as to level off said coating.

2,257,114
APPLICATION OF DRILLING FLUIDS
Philip E. Harth, Clayton, Mo.
No Drawing. Application August 22, 1936, Serial No. 97,420
10 Claims. (Cl. 255—1)

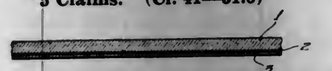
10. In the art of boring or controlling oil or gas wells, the process comprising introducing into the well a mud-laden fluid of a viscosity of 5 to 35 Stormer, and controlling the specific gravity of the fluid by the addition of iron particles surface-treated with an agent adapted to prevent oxidization of the iron, said treated particles being of a mesh fineness to be suspendable in such a fluid.

2,257,115
TAXIMETER CONTROL DEVICE
Benjamin Herskovits, New York, N. Y., assignor of forty-five one-hundredths to Morris Segal, New York, N. Y.
Application June 25, 1938, Serial No. 215,826
3 Claims. (Cl. 235—30)



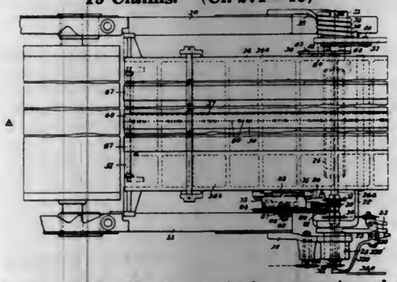
1. In a vehicle-metering device of the character described including a taximeter provided with a rotatable register setting means to set the taximeter to the registering or non-registering positions, the combination therewith of an assembly adapted for ready attachment as a unit to said taximeter, comprising a camming member having a portion arranged to be mounted in the path of a portion of said register-setting means to engage and position said setting means into registering position upon having motion transmitted to said member by motion transmitting means adapted to move upon movement of a seat of said vehicle to an occupying position, said member otherwise permitting said register setting means to move into intermediate positions, said member including another portion extending into the path of movement of said registering setting means preventing movement thereof to the non-registering position until said motion transmitting means has been positioned to the non-occupancy positions of the seats of said vehicle.

2,257,116
MEANS FOR AND METHOD OF DUPLICATING
William Hoskins, Jr., La Grange, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application December 20, 1939, Serial No. 310,108
5 Claims. (Cl. 41—31.6)



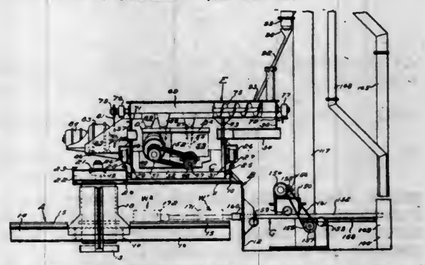
1. A hectograph blanket comprising a backing having thereon a copy mass of a hydrophilic gel containing oil dispersed in the copy mass in the form of minute globules.

2,257,117
SHEET HANDLING MECHANISM
Samuel A. Huffman, Ben Avon, Pa., assignor to Miller Printing Machinery Co., Pittsburgh, Pa., a corporation of Pennsylvania
Application March 31, 1938, Serial No. 199,167
15 Claims. (Cl. 271—46)



1. Apparatus for successively conveying sheets from one processing machine such as a press to a second machine, said apparatus comprising a traction belt adapted to receive sheets from the first machine, means for driving said belt at a substantially constant speed approximately equal to that at which the sheet is delivered from said first machine, a second traction belt adapted to receive sheets from said first mentioned belt and deliver them to said second machine with the sheets lying substantially flat against the belt, and means for driving said second belt at variable speed whereby it moves at a speed at least as great as that of the first belt when the sheet passes from the first belt to the second and is first accelerated and then decelerated as the sheet approaches said second machine.

2,257,118
ABRADING APPARATUS
Robert B. Huyett, Hagerstown, Md., assignor to Pangborn Corporation, Hagerstown, Md., a corporation of Maryland
Application July 19, 1937, Serial No. 154,485
17 Claims. (Cl. 51—9)



1. In an abrading apparatus, a work support upon which articles of work may rest, a carriage mounted for transverse movement above said work support, a pair of rotatable abrasive propelling mechanisms mounted on said carriage and operable to discharge abrasive downwardly upon said work, said mechanisms each embodying a rotor mounted for rotation about an axis inclined with respect to the plane of movement of said carriage and operable to discharge a blast stream of abrasive downwardly upon said work, said rotor axes being disposed at opposite inclinations with respect to said plane of movement of said carriage for directing said abrasive blast streams against the ends as well as the upper surfaces of said work, and means for moving said carriage for causing said blast streams to traverse said work.

2,257,119
DUST GUARD
Douglas H. Johannesen, Chicago, Ill.
Application August 23, 1937, Serial No. 160,400
10 Claims. (Cl. 286—6)



1. A dust guard comprising a support having an annular portion, and a central sealing element having an annular portion, said portions being separably dovetailed together and in sealing interengagement.

2,257,120
WELL PIPE SUPPORT
Chester A. Lundeen, Los Angeles, Calif., assignor to Byron Jackson Co., Huntington Park, Calif., a corporation of Delaware
Application October 3, 1939, Serial No. 297,704
11 Claims. (Cl. 24—263)

1. In an elevator comprising a pair of pipe-engaging body members pivotally connected at one end and adapted to be releasably latched together at their free ends: latch mechanism therefor comprising a pair of angularly related shoulders on one of said members; a latch member pivotally mounted on the other of said members and adapted to engage one of said shoulders; a locking member pivotally mounted on said latch member and adapted to engage the other of said

shoulders; and spring means acting between said other body member and said locking member and yieldingly urging the latter into engagement with the second-mentioned shoulder, said spring



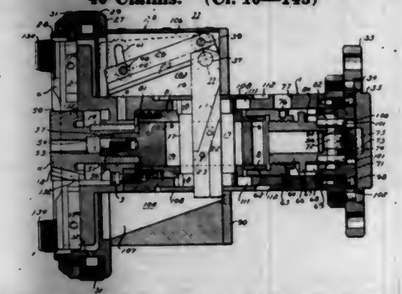
means also urging said latch member into engagement with said first-mentioned shoulder through the pivotal mounting of the locking member on the latch member.

2,257,121

THREAD CUTTING MECHANISM

Frederic Neil, Waynesboro, Pa., assignor to Landis Machine Company, Waynesboro, Pa., a corporation of Pennsylvania

Application November 9, 1937, Serial No. 173,711
40 Claims. (Cl. 10—145)



1. In a thread-cutting machine; a body; a plurality of chasers mounted for movement on said body; a spring-pressed sleeve supported for sliding movement in said body; means holding said sleeve in fixed relation to said body against said spring; a plunger slidable in said sleeve and provided at one end with a cam element associated with said chasers so that movement of said plunger will cause movement of said chasers; a cam bar guided in said sleeve for movement transversely thereof; a control means slidably mounted on said body and operable, upon movement therealong, to move said bar transversely of said sleeve; cam grooves on said bar and cooperating cam lugs on said plunger; said grooves and said lugs being constantly engaged to cause gradual movement of said plunger during said transverse movement of said bar; means operated by said control means for releasing said holding means, whereby said sleeve is rapidly slid along said body, and said bar, said plunger and said cam element bodily moved to effect a rapid movement of said chasers.

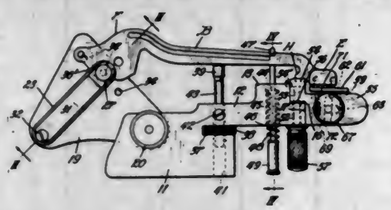
2,257,122

TYPE SOLDERING GAUGE

Clarence Patrick O'Connor, Chicago, Ill., assignor to Ames Supply Company, Chicago, Ill., a corporation of Illinois

Application June 23, 1939, Serial No. 280,718
11 Claims. (Cl. 113—99)

1. In a device of the character described, means providing a support adapted to engage the face and one edge portion of a type character on a type-element while the element is secured to the type end of a type-bar for positioning said element, means mounting said support for adjustment in a plurality of planes at angles to one another, means for engaging and securing the fulcrum end of the said type-bar, said ful-



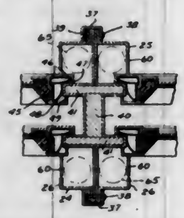
crum engaging means being associated with said support for adjusting movements toward and from the same substantially in the direction of the length of the type-bar, and means for securing said fulcrum portion engaging means in substantially fixed adjusted position relative to said support.

2,257,123

WINDOW CONSTRUCTION

Edmund Peremi, Manhasset, and Louis Toth, Flushing, N. Y.

Application December 5, 1938, Serial No. 243,934
14 Claims. (Cl. 189—72)



1. In a window construction, a frame including a jamb member having sash guide rails, notches in said rails, and a bonding member for securing said frame to a building wall, comprising a portion of sheet metal extending from said frame, tongues on the inner end of said bonding member, said bonding member being secured to said jamb by insertion of said tongues into said notches.

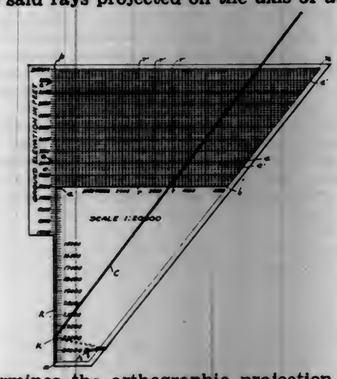
2,257,124

PHOTOGRAPH CORRECTOR SCALE

Frank Z. Pirkey, United States Army, Los Angeles, Calif.

Application September 10, 1940, Serial No. 356,145
4 Claims. (Cl. 33—75)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

4. A measuring device for graphically determining the orthographic projection of points of known elevation perspectively represented in vertical aerial photographs comprising a coordinate scale graduated respectively in elevations and horizontal distances on its axis of ordinates and abscissae, and movable means functioning in contact with the surface of said scale for representing thereon the inclination of a light ray from the points of known elevation to the optical center of the camera lens whereby the intersection of abscissae representing the heights of said point with said rays projected on the axis of abscissae



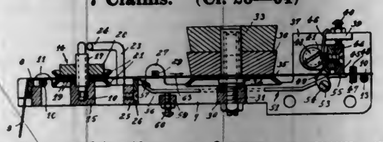
determines the orthographic projection of said points.

2,257,125

SLUB CATCHER

Jean Charles Plourde, Rochelle, Ill.

Application June 16, 1939, Serial No. 279,435
7 Claims. (Cl. 28—64)



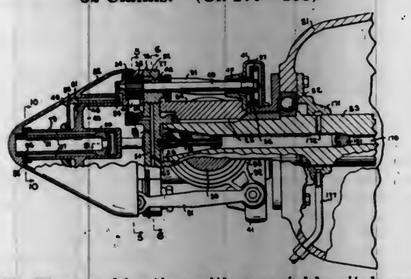
1. In combination, a frame, a yarn guide mounted on the frame and disposed in horizontal position, a lever pivoted on the frame on a horizontal axis and having a long arm and a short arm extending in opposite directions from the pivot, said short arm disposed below said guide and defining therewith a gap through which yarn may be drawn, said long lever arm gravitating to bias the short lever arm toward the guide, and a cutter mounted solely on the free end of the long lever arm and adapted to be thrown into the yarn and cut it upon upward movement of the long lever arm consequent upon downward movement of the short lever arm caused by the passage through the gap of an enlargement in the yarn.

2,257,126

PROPELLER

Arthur G. Rindfleisch, Cincinnati, Ohio, assignor to Bocjl Corporation, trustee, Pittsburgh, Pa., a corporation of Delaware

Application January 27, 1936, Serial No. 60,949
32 Claims. (Cl. 170—163)



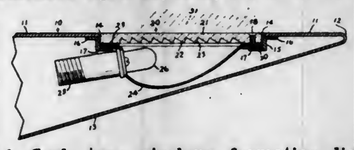
32. The combination with a variable pitch propeller having angularly adjustable blades, of servo-motor means for moving the blades in a constantly increasing pitch angle to a full feathered position, and speed-responsive means independent of the blades automatically operable upon the slowing down of the propeller to a predetermined abnormally low speed for controlling the operation of said first means.

2,257,127

AIRPLANE FLUSH TYPE FORMATION LIGHT

John M. Roper, Washington, D. C., and Arnold D. Dircksen, Dayton, Ohio

Application November 1, 1940, Serial No. 363,870
3 Claims. (Cl. 240—7.7)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



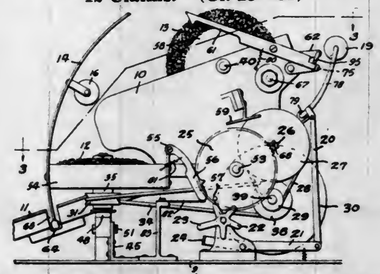
1. A flush type airplane formation lighting fixture comprising a lens, a lamp socket, a lamp and a reflector, means for mounting said fixture with said lens set flush in the skin of an airplane, a plurality of refracting prisms integrally formed in the under surface of said lens, said reflector being secured adjacent the under peripheral edge of said lens, said reflector having its maximum spacing from said lens at a point substantially forward of the center of said lens, said lamp socket being secured through said reflector, said lamp being supported by said lamp socket between said reflector and said lens adjacent the foremost point, whereby said fixture, mounted entirely within the skin of an airplane will emit a comparatively strong beam visible only from a point rearwardly and upwardly therefrom, while beams at other angles will be comparatively weak or invisible, thereby enabling a following airplane to maintain proper formation with the first airplane by keeping within the angles of the visible strong beam.

2,257,128

AUTOMATIC SHOE POLISHING MACHINE

Jacob C. Rough, South Bend, Ind.

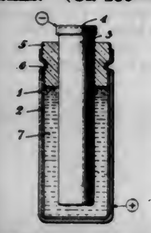
Application February 21, 1938, Serial No. 191,753
12 Claims. (Cl. 15—31)



2. In a shoe polishing machine, a plurality of brushing elements, a motor driving said elements, a door adapted to give access to the brushing elements, mechanical means for opening said door driven by said motor, a latch for holding the door open, a switch for starting the motor, manual means for closing the switch, and timing mechanism driven by the motor for opening said switch and releasing said door latch to per-

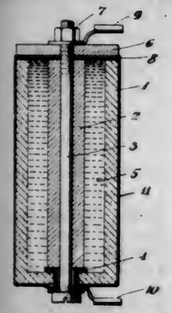
mit the door to close under the influence of gravity upon the expiration of a predetermined period of operation, said door having polish applying means secured thereto and engageable with the brushing elements to apply polish thereto upon the opening of the door.

2,257,129
MAGNESIUM PRIMARY CELL
Samuel Ruben, New Rochelle, N. Y.
Application December 19, 1939, Serial No. 309,993
8 Claims. (Cl. 136—100)



4. A primary cell comprising a negative electrode of magnesium, a positive electrode of carbon material and an electrolyte comprising chromic acid and a fluoride of an alkali metal of the first periodic group.

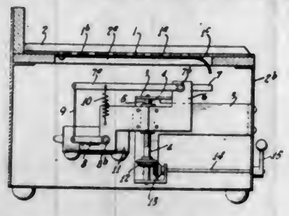
2,257,130
MAGNESIUM PRIMARY CELL
Samuel Ruben, New Rochelle, N. Y.
Application June 15, 1940, Serial No. 340,738
5 Claims. (Cl. 136—100)



1. A primary cell comprising a negative electrode of magnesium, a cooperating positive electrode and an electrolyte comprising aqueous solutions of chromic acid and a fluoride of at least one of the metals, magnesium, calcium, strontium and barium.

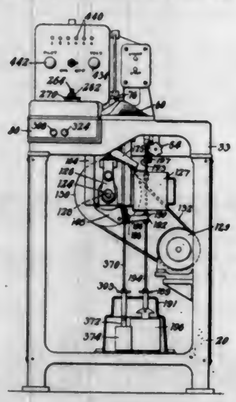
2,257,131
TEMPERATURE-CONTROLLING FLATIRON STAND
Robert Sahli, Basel, Switzerland
Application April 5, 1939, Serial No. 266,110
In Switzerland February 24, 1939
2 Claims. (Cl. 219—23)

1. The combination with a stand for an electric iron, of means mounted therewith through which current is supplied to the iron, and heat controlled means mounted therewith for cutting off current to the iron upon a rise of temperature of the heat controlled means when the iron is on the stand, and for immediately switching on the current to the iron upon a fall of temperature of the heat controlled means when the iron is off the stand, said heat controlled means comprising in combination a perforated metal strip of low heat capacity and directly contacting the iron when on the stand, a bimetallic thermostat element directly connected at one end with said metal strip, a lever system adapted to be engaged and actuated by the other end of said thermostat element upon deflection thereof under the influence of heat and to augment the movements of said other end, an electric switch means con-



nected with said lever system and adapted to cut off the electric current when said lever system is actuated by the deflected element, and return means connected with said switch means for returning said switch into current switching on position when said lever system is not actuated, said thermostat element, said lever system, and said switch means being so constructed as to move in the same plane when actuated by the heat absorbed by said metal strip.

2,257,132
MACHINE FOR OPERATING UPON WORK
August R. Schoenky, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application November 30, 1939, Serial No. 306,807
55 Claims. (Cl. 164—93)

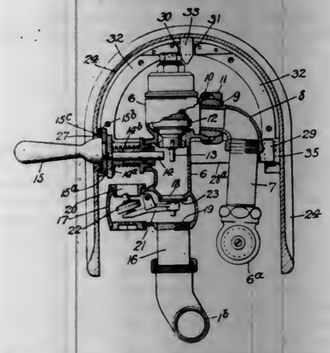


1. In a machine for operating upon work, an operating tool, gaging means for determining the position of the work longitudinally, laterally and angularly relatively to said operating tool, means for holding the work in the position determined by said gaging means for the operation of said operating tool, and means actuated by contact of the work with said gaging means for moving said holding means from its idle position into holding engagement with the work.

2,257,133
PROCESS FOR TREATMENT OF METALS
Robert W. Shoemaker, Anderson, Ind., assignor to Agnes J. Reeves Greer, Morgantown, W. Va.
No Drawing. Application June 14, 1939, Serial No. 279,053
11 Claims. (Cl. 91—68)

1. The method of treating pickled metal directly after the pickling thereof to neutralize the adhering acid and inhibit rusting of the metal comprising rinsing it in a solution containing caustic alkali, a polyhydric alcohol taken from a group consisting of glycerine and glycol, and a wetting agent taken from a group consisting of sodium metaphosphate and sodium hexametaphosphate.

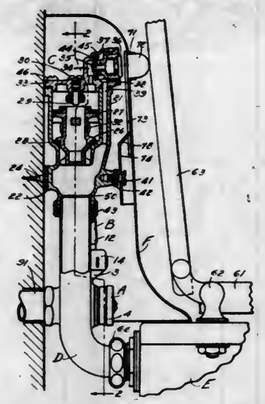
2,257,134
WATER CLOSET CONSTRUCTION
William E. Sloan, River Forest, Ill.
Application May 13, 1935, Serial No. 21,097
Renewed April 25, 1938
13 Claims. (Cl. 4—70)



1. A water closet bowl construction comprising a water closet bowl adjacent to a wall, a supply pipe adjacent to said wall, said water closet bowl being provided with supply and waste openings, a flush valve adjacent to said wall, connections between said flush valve and said supply pipe and water closet bowl, a one piece housing extending from the wall to the bowl and covering the flush valve and associated parts, and a holding device on the wall open at the top, bottom and one side and an engaging member on the housing which projects into the open side of the holding member and which holds said housing in position.

2,257,135
WATER CLOSET CONSTRUCTION
William E. Sloan, River Forest, Ill.
Application February 23, 1937, Serial No. 127,097
13 Claims. (Cl. 4—70)

1. In combination, a flush valve for flushing a water closet having the usual hinged seat and hinged cover therefor, and a hoodlike cover or housing for the top, front, and sides of the flush valve, an actuating device for said flush valve located at the front thereof, and effective to actuate the flush valve when the actuating device receives a thrust, said housing having an opening in the front thereof opposite the control device, and an actuation-control device mounted in said opening for reciprocal movement to enable the flush valve to be actuated when said control device is pushed from the outside of the housing to impart a thrust to said actuating device, said actuation-control device being responsive to a backward actuation of the hinged seat cover of



the water closet to actuate the flush valve to flush the water closet.

2,257,136
PRODUCTION OF CAST REFRACTORIES
Harold T. Smyth, Louisville, Ky., assignor to Corhart Refractories Company, Louisville, Ky., a corporation of Delaware
Application December 7, 1939, Serial No. 308,062
6 Claims. (Cl. 49—79)

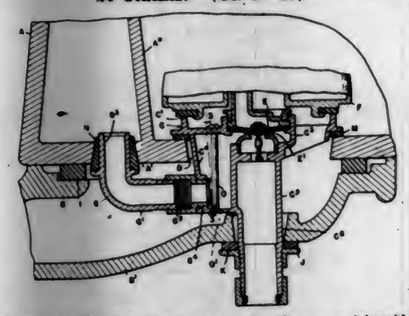


1. The method of producing a cast refractory comprising casting the block with font reservoir of insufficient volume to prevent pipe formation through an asymmetrically located font on top of the block, tilting the block to raise the font end thereof in respect to the opposite end after partial but before complete solidification, breaking through the crusts over the pipe and refilling the void left by the contraction of the first cast material.

2,257,137
METHOD OF PRODUCING HYDROGENATION PRODUCTS OF COMPOUNDS OF THE CYCLOPENTANO-10,13-DIMETHYL POLYHYDROPHENANTHRENE SERIES
Lothar Strassberger, Berlin-Wilmersdorf, and Ludwig Kraft, Berlin - Charlottenburg, Germany, assignors to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey
No Drawing. Application March 4, 1936, Serial No. 67,094. In Germany March 7, 1935
16 Claims. (Cl. 260—397.4)

1. Process for the production of hydrogenation compounds of the cyclopentano polyhydro phenanthrene series comprising subjecting 3,17-diketones of the cyclopentano polyhydro phenanthrene series having the general formula $C_{19}H_mO_2$ wherein m equals 28 or 26, to the actions of hydrogenating agents, and stopping the hydrogenation when a product of the general formula $C_{19}H_{30}O_2$ is obtained.

2,257,138
FLUSHING APPARATUS
James M. Teahen, Detroit, Mich.
Application September 30, 1940, Serial No. 359,136
20 Claims. (Cl. 4—18)

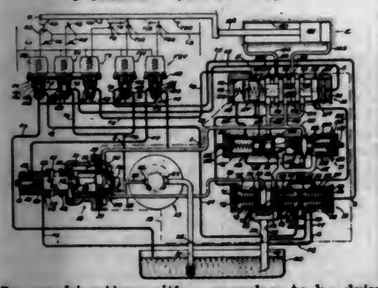


1. In a flushing apparatus, the combination with a tank, of a water inlet valve having its discharge portion arranged beneath the bottom of said tank, and a conduit for receiving the discharge having a non-corrodible portion extending upward within said tank to a height above the high water level therein.

2,257,139
METHOD OF MAKING ADHESIVE TAPES
Frank J. Tone, Niagara Falls, and Osborne L. Mahlman, Kenmore, N. Y., and Fred Brown, Niagara Falls, Ontario, Canada, assignors to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
No Drawing. Application June 14, 1937, Serial No. 148,104
5 Claims. (Cl. 18—57)

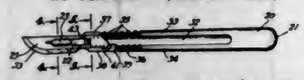
1. In a method of making adhesive tape, the steps which comprise forming a film of a pressure-sensitive adhesive, coating the film with a solution of a backing material in a solvent for the adhesive, whereby the adhesive and the backing are unified by solution in the mutual solvent, and removing the solvent.

2,257,140
HYDRAULIC CIRCUIT
Gunnar A. Wahlmark, Rockford, Ill.
Application May 15, 1937, Serial No. 142,887
9 Claims. (Cl. 60—52)



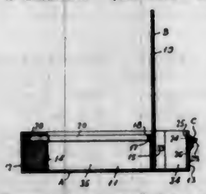
1. In combination with a member to be driven, a hydraulic actuator system for driving the same comprising a motor, pumping mechanism operable to discharge fluid under pressure to said motor and governing mechanism associated with said pumping mechanism to determine the direction and volume of fluid discharge therefrom, electrically actuated remote control means hydraulically connected with the governing mechanism to control the same including a normally open manual switch operable upon closure to initiate the discharge of fluid from the pumping mechanism to impart movement to the member, a normally closed dog actuated switch, a dog for holding said switch open when the member is in its stop position, said dog being withdrawn and said switch closed upon initiation of movement of the member to maintain discharge of fluid from the pumping mechanism, a second dog actuated switch operable while closed during movement of the member to cause a particular rate of movement of the member, and a third dog actuated switch closed at the end of movement of the member in the first direction and operable upon closure to effect a reversal in the direction of fluid discharge from the pumping mechanism to effect a reversal in the direction of movement of the member.

2,257,141
SURGICAL KNIFE
Arthur L. Waugh, Chicago, Ill.
Application December 16, 1938, Serial No. 246,152
10 Claims. (Cl. 30—339)



1. In a knife of the character described, a longitudinally slotted blade having a lateral enlargement adjacent the rear end thereof and a handle having a reduced forward extension thereon provided with a longitudinally elongated projection thereon having interlocking sliding engagement with opposed edges of the slot in said blade, said handle having the main body portion thereof flattened at and adjacent the junction of said reduced extension therewith to receive said blade, and a projection at one side of said flattened portion interlocking with a longitudinal edge of said blade at said lateral enlargement to hold said blade in fixed position on said handle, said last mentioned projection having means thereon for camming said lateral enlargement over said last mentioned projection when said blade is slid rearwardly on said handle while interlocked with said elongated projection.

2,257,142
CONTAINER
Harold Weiner, Providence, R. I.
Application October 4, 1939, Serial No. 297,847
2 Claims. (Cl. 220—32)



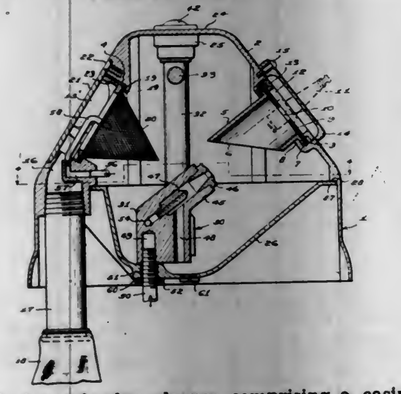
1. A small container useful as a women's compact and for similar purposes having a box-like enclosure with an upper edge and front and back walls, a cover for said enclosure having a hinge mount parallel to the back wall mounted on said enclosure adjacent, but removed from the back wall, the portion of the cover beyond said hinge being swingable downwardly within said enclosure, the upper edge of said back wall being recessed, a latch pivotally mounted within said recess, said latch in operative position having a forwardly projecting wedge-like portion lying beneath the rear end of said cover and having an upwardly projecting portion in the plane of the rear wall and said projecting portion contacting the rear end of said cover and extending slightly above the upper surface thereof, the pivot of said latch permitting the latch to be swung rearwardly to unlatch the cover.

2,257,143
REPRODUCTION PROCESS
Otis F. Wood, New York, N. Y.
Application May 23, 1938, Serial No. 209,468
7 Claims. (Cl. 41—25)



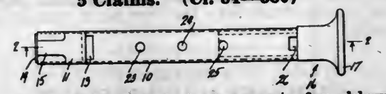
1. A process of making a matrix or a printing plate comprising providing a transparent base, placing a photographically sensitive coating on said base, then placing a non-photographically sensitive coating on said sensitive coating, and then finally placing another photographically sensitive coating on said last-mentioned coating, exposing the coatings in a camera, removing parts of the coatings which have been differentiated from the other part of the coating by the light and etching the base where the coatings have been removed.

2,257,144
SPARK PLUG CLEANER
Thomas Arthur Worsham, East Chattanooga, Tenn., assignor to Frank J. Nolan, Chattanooga, Tenn.
Application December 19, 1939, Serial No. 310,056
3 Claims. (Cl. 51—8)



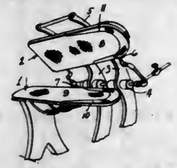
1. A spark plug cleaner comprising a casing, means for supporting a spark plug to be cleaned in said casing, a valve unit mounted in the casing, said unit including a body, tubes on said body secured to the casing for supporting the body therein, a nozzle on the body for directing a blast of sand ladened air on the spark plug, a nozzle on the body for directing a stream of air only on the spark plug, and manually actuated valves operable in the tubes for controlling the nozzles.

2,257,145
TOY BUGLE
Harry Zimmerman, New York, N. Y.
Application June 13, 1941, Serial No. 397,835
5 Claims. (Cl. 84—380)



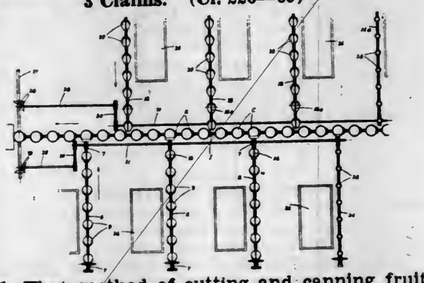
1. A musical wind instrument for blowing bugle calls, said instrument comprising a tube having a main tone chamber of even diameter having three normally and regularly spaced apart tone holes through the upper wall thereof the said tone chamber extending substantially the greater portion of the length of the tube, a mouth piece having an air inlet and orifice in communication with the said tone chamber at one end thereof, and an auxiliary constricted tone chamber in communication with the main tone chamber at the opposite end thereof.

2,257,146
ATTACHMENT FOR TAILORS' PRESSES
Joseph Zirker, Brooklyn, and Rose W. Zirker, New York, N. Y.; said Joseph Zirker assignor to said Rose W. Zirker
Application August 8, 1940, Serial No. 351,866
2 Claims. (Cl. 38—36)



2. A flexible metal strip adapted to be attached to the head or bed of tailor's presses, said strip being of a shape conforming to the shape of the edge of the head or bed of the press at one end thereof and being generally U-shaped in cross section and adapted to be frictionally held in place on the head or bed of the press and to overlap the press cloth sufficiently to prevent the escape of steam at the said edge.

2,257,147
METHOD AND APPARATUS FOR CANNING FRUITS FOR SALADS
Thomas Alton, San Jose, Calif., assignor to E. E. Chase, Jr., San Jose, Calif., doing business as Chevy Chase Co.
Application August 21, 1939, Serial No. 291,167
3 Claims. (Cl. 226—69)



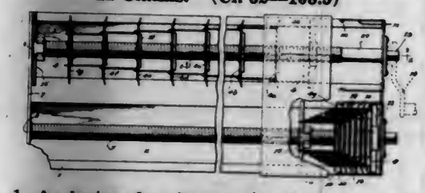
1. That method of cutting and canning fruit sections comprising the steps of continuously moving a succession of independent streams of individual fruit pieces, maintaining the pieces in

each stream in substantially equally spaced relation, independently cutting each piece into sections without interrupting the movement of the stream, moving a can past the several streams of fruit, and discharging only the sections of one piece of the fruit into the can as it passes each stream.

2,257,148
CAPILLARY ACTIVE PRODUCT
Albert Ballauf and Otto Bayer, Leverkusen I. G.-Werk, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application August 9, 1938, Serial No. 223,934. In Germany September 1, 1937
5 Claims. (Cl. 260—508)

1. Secondary aromatic amino compounds which contain a radicle having at least 3 carbon atoms and selected from the class consisting of alkyl radicles and cycloalkyl radicles attached to the amino group and at least 1 radicle having at least 3 carbon atoms and selected from the class consisting of alkyl radicles and cycloalkyl radicles as a substituent of an aromatic nucleus, the total number of carbon atoms of the said substituents of the secondary amino group and of an aromatic nucleus being at least 10, the said secondary aromatic amino compounds having been made water-soluble by introducing a water-solubilizing substituent being selected from the group consisting of the carboxylic acid group, the sulfonic acid group and the hydroxy alkylether radicals.

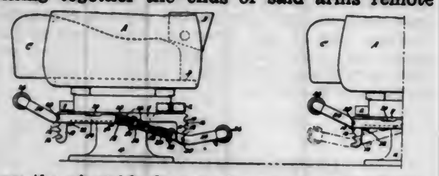
2,257,149
ICE BLOCK FORMING AND DISPENSING DEVICE
Richard A. Bayne, Detroit, Mich.
Application May 31, 1939, Serial No. 276,530
11 Claims. (Cl. 62—108.5)



1. A device for forming and dispensing ice blocks comprising a container having an outlet and adapted to receive a liquid to be frozen, one or more divider plates for dividing the interior of the container into a plurality of spaces in which individual ice blocks may be formed, ejecting means adapted to loosen the ice blocks and move the ice blocks and divider plates within the container toward and through said outlet to dispense the ice blocks, and pick-up means for picking up the divider plates one after the other in predetermined spaced relation for returning the divider plates to their original ice block forming positions within the container.

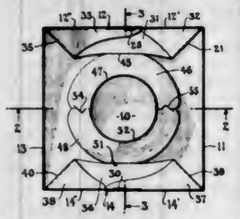
2,257,150
SWINGING FOOTREST
Allen E. Beeson, St. Charles, Mo., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application August 3, 1940, Serial No. 350,209
5 Claims. (Cl. 155—171)

1. A swinging foot rest assembly for a seat supported on a base frame and comprising, a pivot rod carried by said base frame, pivot blocks pivotally carried by said pivot rod, arms slidably carried by said pivot blocks and extending toward a side of said base frame, a foot rest portion joining together the ends of said arms remote



from the pivot blocks, a rod connecting the intermediate portions of said arms, and toothed brackets carried by said base frame and engageable by said rod for supporting said arms in a plurality of predetermined positions.

2,257,151
HATBOX
Aaron Berke, Brooklyn, N. Y.
Application December 13, 1938, Serial No. 245,338
6 Claims. (Cl. 206—8)

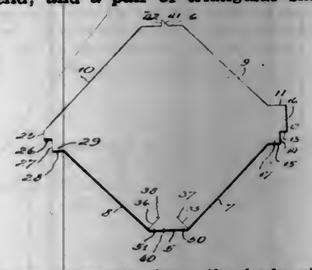


6. An article of manufacture, consisting of a sheet having fold lines which define the bottom and side wall elements of a hat box body, two of said fold lines being lines along which two of said side wall elements are hinged to the bottom element, and each of said two side wall elements having at least one lateral extension secured thereto along a fold line and functioning in operative position as other side wall elements, sheets integrally connected to said bottom along two other of said fold lines defining said bottom, each of the last named sheets extending outwardly and having fold lines diverging inwardly from its respective fold line; said last named sheets in operative position being inclined with respect to the bottom and overlying the same, and having integrally connected thereto flaps forming anchor parts having means adjacent the ends thereof, each co-operating with means on the other anchor flap to secure said flaps together in operative position.

2,257,152
BUILDING COVERING
Edward R. Black, Chicago, Ill., assignor to Edward R. Black, James E. Black, and Elam L. Black, doing business as Black Systems, Chicago, Ill., a copartnership
Application January 9, 1941, Serial No. 373,764
9 Claims. (Cl. 108—7)

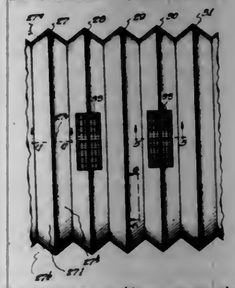
1. A shingle of flexible prepared roofing material comprising a body the margin of which includes a butt edge and a tip edge of substantially equal length, two lower lateral side edges converging at substantially equal angles from the butt edge and two upper lateral side edges converging at substantially equal angles from the tip edge, the body having a pair of converging slits which open into the margin and form in the body

a tongue of which the butt edge constitutes the free end; and a pair of triangular shaped tabs



extending outwardly from the body at the tops of the lower lateral side edges.

2,257,153
TRUSSLESS ROOF
John F. Blaski, Chicago, Ill.
Application October 17, 1940, Serial No. 361,511
14 Claims. (Cl. 108—1)



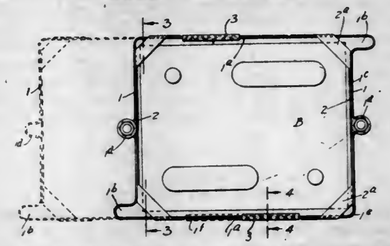
1. A trussless roof section comprising in combination a plurality of courses extending lengthwise thereof, each course comprising a plurality of building members in end to end relation with the joints therebetween non-coincident with the joints between the members of adjacent courses, the adjacent courses of said section being in face to face contact and collectively providing a continuous roof surface from one side to the other of the roof section, said surface constituting a substantial portion of a roof, and fastening elements for securing the members of each course to the members of the courses adjacent thereto in face to face contact, said section being arched lengthwise thereof upwardly from its ends toward its center.

2,257,154
ORNAMENT
George S. Bleyer, New York, N. Y., assignor to Bleyco Paper Corporation, New York, N. Y., a corporation of New York
Application April 16, 1941, Serial No. 388,762
6 Claims. (Cl. 41—10)



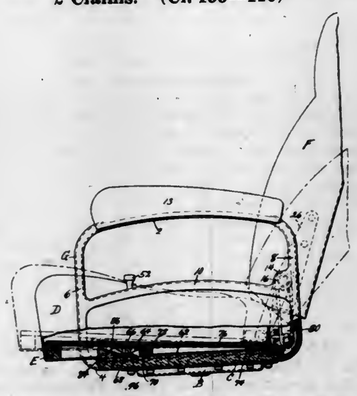
1. A decorative ornament or the like in substantially spherical form, said ornament consisting of a pair of rosettes placed back-to-back, each of said rosettes consisting of a folded, elongated strip of sheet material enclosed in a loop of flexible material and held in gathered formation thereby, the material of the loops co-operating in the formation of a suspension member for the ornament.

2,257,155
BATTERY HOLD-DOWN MEANS
Claude E. Bowers, Los Angeles, Calif.
Application February 11, 1939, Serial No. 255,951
7 Claims. (Cl. 180—68.5)



5. In a battery holddown means of the class described, the combination of a plurality of substantially right angled similar main strap members vertically disposed from edge to edge, clamp holddown strap members positioned across the corners of each of said main strap members and clip members in which the ends of said main strap members are telescopically mounted and freely movable in said clip members at all times.

2,257,156
RECLINING SEAT
Allen W. Clarke and Ralph F. Koeneman, St. Charles, Mo., assignors to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application June 13, 1939, Serial No. 278,882
2 Claims. (Cl. 155—116)



2. In a reclining seat, a seat base comprising a base frame and a base frame panel supported thereby, said base frame panel including rearwardly inclined portions positioned at the forward part of the base frame panel and extending above the rest of the panel, a seat member including a seat frame, forwardly directed extensions carried by and extending above said seat frame, a seat frame panel resting adjacent its front end on said forwardly directed extensions and at its rear end on said seat frame adjacent

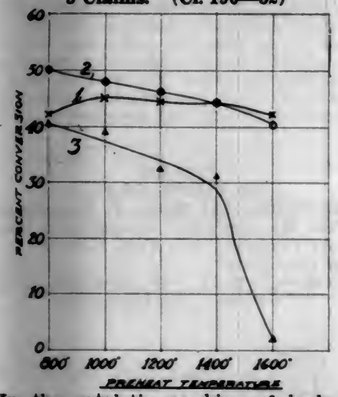
the lower edge of the seat frame, whereby said seat frame panel normally extends forwardly in an upwardly inclined position to provide a clearance between the seat frame panel and the bottom of the seat frame for the reception of the rearwardly inclined portions of the base frame panel, rollers carried by the seat frame panel for travel over the inclined portions of the base frame panel whereby the seat frame panel and seat frame are elevated upon forward movement over the base frame, a seat back hingedly mounted on the base, a downwardly depending arm secured to said seat back and seat member and being so formed and arranged as to move said seat member forward into inclined position upon inclination of said seat back, and means including a lever pivotally connected with said arm for controlling the inclination of said seat back, said means adjustably engaging a portion of the seat frame.

2,257,157

USING CATALYSTS

Gerald C. Connolly, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware

Application May 20, 1938, Serial No. 208,968
5 Claims. (Cl. 196—52)



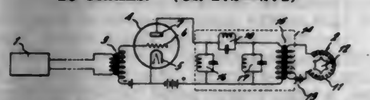
4. In the catalytic cracking of hydrocarbon oils wherein the oil in vapor form is passed in contact with a solid catalyst while at cracking temperature for a period sufficient to effect the desired conversion, the improvement which comprises employing a catalyst formed by impregnating silica hydrogel, the dry gel of which has an apparent density between about .5 and .6 with a salt of aluminum decomposable into alumina and thereafter converting said salt into alumina and said hydrogel to a dry gel.

2,257,158

SYNCHRONOUS MOTOR CIRCUIT

Austin G. Cooley, New York, N. Y., assignor, by mesne assignments, to Times Telephoto Equipment Inc., New York, N. Y., a corporation of New York

Application August 11, 1939, Serial No. 289,516
16 Claims. (Cl. 172—274)



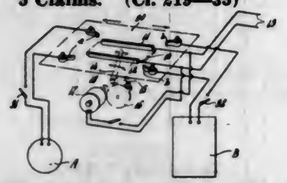
1. In combination, a synchronous motor, an electron tube for supplying power to said motor at a synchronous frequency, and a coupling network between the tube and motor, said network having a filter section with a step-up impedance transformation characteristic, for substantially matching the impedance of the motor when running to the internal impedance of said tube.

2,257,159

ELECTRICAL COOKING DEVICE

Orr E. Crites, Short Hills, N. J.

Application April 27, 1939, Serial No. 270,284
5 Claims. (Cl. 219—35)



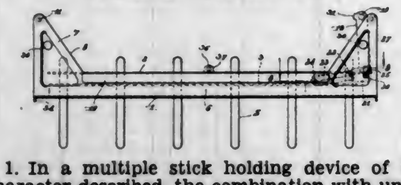
1. In electric cooking apparatus provided with two heating elements and means for alternately energizing said elements for determined time intervals, means to vary the time of energization of either said heating elements within each said determined time interval from 100% thereof to zero percent thereof with substantially all of the reciprocal portion remaining of said time interval directed automatically to the other said element.

2,257,160

STICK HOLDING DEVICE

Clark T. Cutting, Canandaigua, N. Y.

Application March 26, 1941, Serial No. 385,322
10 Claims. (Cl. 294—87)



1. In a multiple stick holding device of the character described, the combination with upper and lower supporting plates having alined stick sockets therein, said plates being completely separable but normally held together in fixed relationship, of an intermediate relatively longitudinally movable stick clamping plate guided therebetween, and actuating means for the clamping plate comprising a unit carried wholly thereby to be removed from the supports bodily therewith.

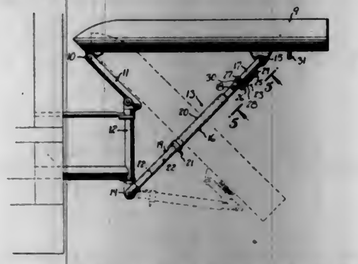
2,257,161

DISTRIBUTING CHUTE FOR CONCRETE MIXERS

Lloyd H. Draeger, Milwaukee, Wis., assignor to The T. L. Smith Company, Milwaukee, Wis., a corporation of Wisconsin

Application May 16, 1940, Serial No. 335,507
7 Claims. (Cl. 193—10)

1. In a concrete mixer of the transit type: a distributing chute adapted to receive and distribute the material discharged from the mixer; a support for the chute mounted from the supporting structure of the mixer; a hinge connection between said support and the chute so positioned that the outer end of the chute may be raised and lowered; an adjustable strut connecting the outer end portion of the chute with said support, said strut comprising hingedly connected sections adapted to be disposed in end to end relation for maximum strut length and to be



folded upon each other for shorter strut length; and latch means for holding said sections in end to end relation.

2,257,162

PRODUCTION OF RESINS FROM ALKYLENEIMINE WITH ARYLISOCYANATES

Paul Esselmann, Wolfen, and Josef Düsing, Dessau, Germany, assignors, by mesne assignments, to Walther H. Duisberg, New York, N. Y.

No Drawing. Application August 4, 1938, Serial No. 223,011. In Germany August 4, 1937
1 Claim. (Cl. 260—2)

Process for the production of resins, stable against alkalis and acids which comprises the addition of an alkylene imine at a temperature not exceeding 45° C. to a compound selected from the class consisting of arylisocyanates and arylisothiocyanates, in such a manner that one component is added to the other drop by drop, while said other component is dissolved in trichlorethylene and further condensing the resulting product by heating it up to 120° C., until it has become insoluble in acids and alkalis.

2,257,163

SYNTHETIC RESIN STABLE AGAINST DILUTE ACIDS AND ALKALIES

Paul Esselmann, Wolfen, Kreis Bitterfeld, and Josef Düsing, Dessau, Germany, assignors, by mesne assignments, to Walther H. Duisberg, New York, N. Y.

No Drawing. Application July 13, 1939, Serial No. 284,244. In Germany August 4, 1937
12 Claims. (Cl. 260—79)

1. A synthetic resin stable against dilute acids and alkalies said resin being a co-polymerizate of the following three constituents: 1, ethyleneimine, 2, carbondisulfide, and 3, phenylisocyanate.

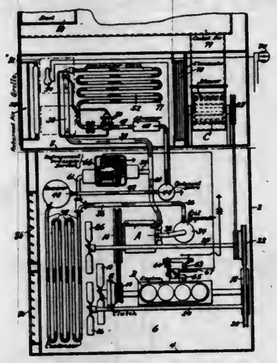
2,257,164

AIR CONDITIONING UNIT

Herbert D. Euwer, St. Louis, Mo., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey

Application April 16, 1937, Serial No. 137,181
15 Claims. (Cl. 62—6)

1. In combination with an inclosure to be cooled, an air conditioning apparatus arranged therein, said apparatus comprising a housing forming a self-supporting structure independent of said inclosure and being divided into a plurality of compartments, an evaporator in a first compartment, a blower drawing air from the inclosure into said first compartment for cooling by the evaporator, an exit from said first compartment discharging the cooled air back into said inclosure, a refrigerating apparatus located in a second compartment, said apparatus including a substantially continuously operating air cooled internal combustion engine, a compressor



intermittently connected to said engine, and a condenser connected to said compressor, and means driven directly by the engine for continuously forcing air through the second compartment and past the apparatus to cool the same.

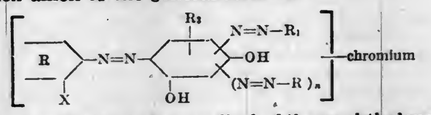
2,257,165

AZO DYESTUFFS CONTAINING CHROMIUM IN COMPLEX UNION

Ernst Fellmer, Leverkusen-I. G.-Werk, Germany, assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application March 16, 1940, Serial No. 324,377. In Germany November 25, 1933
4 Claims. (Cl. 260—145)

1. Azodyestuffs containing chromium in complex union of the general formula:



wherein R stands for a radical of the naphthalene series, R_1 and R_2 stand for radicals of diazotization compounds suitable for producing azodyestuffs, R_3 stands for a member of the group consisting of hydrogen, hydroxyl, alkyl, halogen, —COOH and $-SO_3H$, x stands for a member of the group consisting of the hydroxy and the carboxylic acid group, and n stands for one of the values 1 and 0, which metal complex dyestuffs contain in the radicals R, R_1 and R_2 together at most one nitro-group per one chromium atom, being in the form of their alkali metal salts dark watersoluble powders dyeing leather fast grey to black shades.

2,257,166

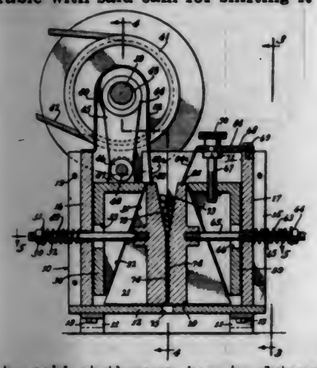
CRUSHER AND PULVERIZER

Robert P. Fisher, Los Angeles, Calif.

Application April 21, 1939, Serial No. 269,130
12 Claims. (Cl. 83—53)

2. A crusher, including a stationary jaw member, a movable jaw member, said members having opposed vertical faces for crushing materials therebetween, said movable member having a bearing portion inclined to the vertical, a reciprocable cam having a companion inclined por-

tion for moving said movable jaw member horizontally in a straight line path with respect to said stationary jaw member, said stationary jaw having a portion inclined to its vertical face, an adjustable cam in slidable relation with said inclined portion, a rotatable screw threaded shaft cooperable with said cam for shifting it with re-



spect to said stationary jaw to determine the minimum space between said jaw members, a rod fixed to said stationary jaw member and extending through a slot in said adjustable cam, and spring means acting on said rod to urge said stationary jaw member away from said movable jaw member.

2,257,167

RENDERING OF VISCOUS TO GUMMY OLEFIN POLYMERS NONADHERENT

Philip B. Gerhardt and Julius V. Sommer, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application June 30, 1938, Serial No. 216,854
6 Claims. (Cl. 260—94)

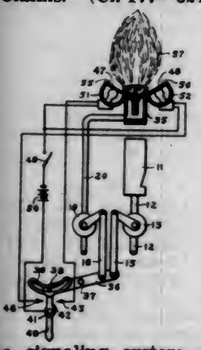
2. A viscous to gummy polymer of an iso-olefin rendered non-adherent by the presence at the surface of the polymer of a polar organic liquid ester which is insoluble in the polymer and in water, boils between about 100 and 250° C., and evaporates slowly in air at an ordinary temperature.

2,257,168

SIGNALING SYSTEM

John Hays Hammond, Jr., Gloucester, Mass.

Application March 28, 1939, Serial No. 264,534
2 Claims. (Cl. 177—324)



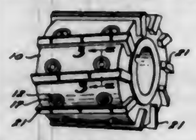
1. A marine signaling system comprising a whistle actuated by an invisible fluid, means independent of said whistle for producing a visible vapor simulating the vapor discharged from a steam whistle, and means actuating said whistle and said vapor producing means in unison for signaling, whereby the sound of the whistle is accompanied by a visible vapor simulating steam as discharged from a steam whistle.

2,257,169

ROTARY CUTTER

Earl H. Hoppe, Ferndale, Mich.

Application October 6, 1939, Serial No. 298,175
12 Claims. (Cl. 29—105)



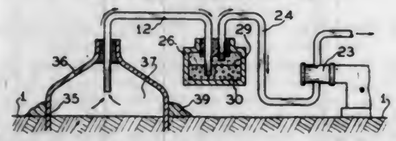
1. In a holding device, a wedge element adapted to engage the member to be held and to hold the same by pressing it in a predetermined direction, an element adapted to move said wedge element to produce pressure in said predetermined direction and capable of moving in a reverse direction, and means separate from said element, said means being secured to said wedge member and operatively connecting said wedge member and said element to effect reverse movement of said wedge member.

2,257,170

METHOD FOR LOCATING HYDROCARBON DEPOSITS IN THE EARTH

Lynn G. Howell, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware

Original application December 27, 1934, Serial No. 759,373. Divided and this application January 21, 1938, Serial No. 186,061
3 Claims. (Cl. 23—232)



1. In the method of prospecting for petroleum deposits in which a sample of soil gas is obtained and examined for hydrocarbons higher than methane, the steps of obtaining a sample which comprises sucking gas from the soil, passing a predetermined quantity of the gas through a liquid having a high absorption power for low molecular weight hydrocarbons as compared to its absorption power for other constituents of soil gas and recovering said hydrocarbons from said liquid.

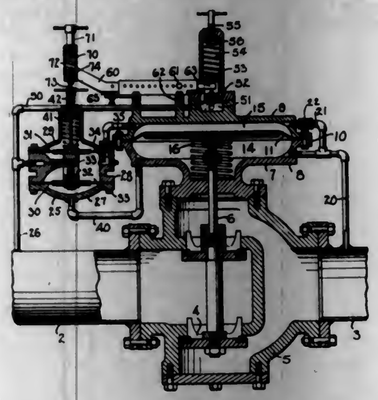
2,257,171

LOW PRESSURE BOOSTER REGULATOR

William R. King, Mineola, Tex.

Application January 13, 1938, Serial No. 184,782
8 Claims. (Cl. 50—11)

1. A booster regulator valve assembly including a valve, a diaphragm to actuate said valve, means to conduct the pressure from the low pressure side of said valve to the low pressure side of said diaphragm, a regulator, means to connect said regulator to the high pressure side of said valve, means connecting said regulator to the high pressure side of said diaphragm, means connecting the low pressure side of said valve to oppose the opening of said reducer and means to



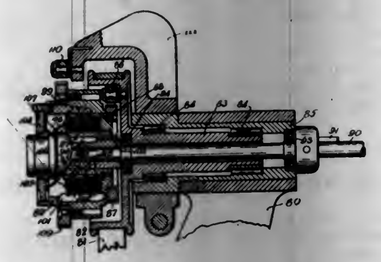
load said reducer including a piping connection to utilize the power of the fluid from the high pressure side.

2,257,172

WINDING AND UNWINDING APPARATUS

Harold H. Klemola, North Hollywood, Calif., assignor to Technicolor Motion Picture Corporation, Los Angeles (Hollywood), Calif., a corporation of Maine

Application March 7, 1939, Serial No. 260,322
1 Claim. (Cl. 242—55)



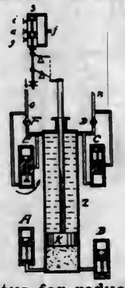
Winding and unwinding apparatus comprising a spindle having a projecting end to receive a reel detachably, a rotatable sleeve surrounding the other end of the spindle, interengaging friction rings keyed to the spindle and sleeve respectively within the sleeve, a pulley freely rotatable on the spindle intermediate the reel and sleeve with a portion overhanging the sleeve, a one-way clutch interposed between the sleeve and overhanging portion of the pulley for driving the sleeve only in the direction to wind upon said reel, a housing for said spindle, an arm extending from the housing over the pulley into juxtaposition to said sleeve, a ratchet on the sleeve, a pawl on the arm engageable with said ratchet for preventing rotation of said sleeves in the reverse direction to afford braking action while unwinding from the reel, a cap threaded on the end of said sleeve, and a compression spring interposed between said rings and cap.

2,257,173

APPARATUS FOR THE REDUCTION OF PRESSURE FROM MIXTURES OF LIQUIDS WITH GASES

Franz Koehler and Max Josenhans, Leuna, Germany, assignors to Standard Catalytic Company, a corporation of Delaware

Application July 8, 1938, Serial No. 218,244
In Germany July 29, 1937
10 Claims. (Cl. 137—111)



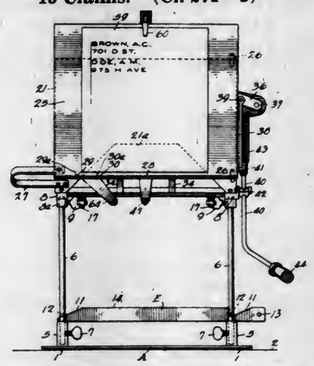
1. An apparatus for reducing the pressure of working fluids which comprises a cylinder having a floating member therein, means for forcing said floating member toward one end of the cylinder, means for conducting the working fluid into the cylinder without substantial loss in pressure against the force exerted by the first named means this force being slightly less than that of the working fluid acting on the floating member, means for cutting off the supply of said working fluid, means for reducing the force applied to the floating member by said first named means while confining the working fluid within the cylinder thereby reducing the pressure on said confined working fluid, and means for expelling said working fluid at the reduced pressure.

2,257,174

ENVELOPE FEEDER FOR TYPEWRITERS

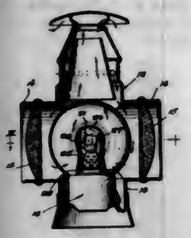
Bert Langley, San Jose, Calif.

Application June 21, 1940, Serial No. 341,690
15 Claims. (Cl. 271—3)



1. A device of the type described comprising a magazine for envelopes, uprights for supporting the magazine at the desired height with respect to a typewriter platen, means for delivering one envelope at a time to the platen, means for adjusting the magazine to accommodate envelopes of different sizes, and means for raising or lowering the uprights to properly position the magazine with respect to the platen according to the size of the envelope in the magazine.

2,257,175
RAILWAY SWITCH LAMP
John F. Lindberg, Chicago, Ill., assignor to Carter Blatchford, Incorporated, Chicago, Ill., a corporation of Illinois
Application May 3, 1940, Serial No. 333,061
3 Claims. (Cl. 240—22)



1. In a cruciform railway signal lamp formed of a vertical tubular body having four side openings in quadrature and having four horizontally and outwardly extending tubes aligned with the openings, a single main lens in each of said tubes and disposed spaced outwardly of the periphery of said body, a light source in said body at the center thereof, a vertical tubular lens structure removably placed about said source and defining a relatively short chimney therefor, said lens structure being formed of four auxiliary plano-convex lenses smaller than the main lenses and having their plane faces disposed to define a quadrangular chimney opening and having their convex faces in spaced opposed and focused relation to the main lenses, said auxiliary lenses having their vertical edges beveled inwardly and secured to the meeting vertical edges of adjacent lenses.

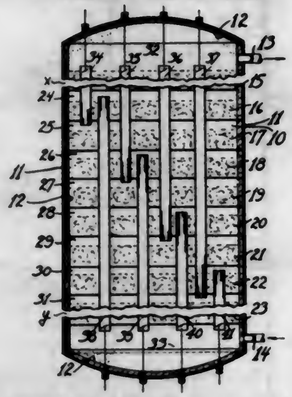
2,257,176
VITAMIN D_2 DOUBLE COMPOUNDS
Otto Linsert, Wuppertal-Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application June 22, 1939, Serial No. 280,582. In Germany November 22, 1938
3 Claims. (Cl. 260—397.2)

1. Double compounds of vitamin D_2 with a sterol selected from the group consisting of cholesterol, cholestanol, coprosterol, sitostanol, and stigmastanol.

2,257,177
POLYMERIZATION BY MEANS OF A HIGH FREQUENCY ELECTRIC DISCHARGE
Eric W. Luster, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application July 17, 1937, Serial No. 154,324
3 Claims. (Cl. 204—168)

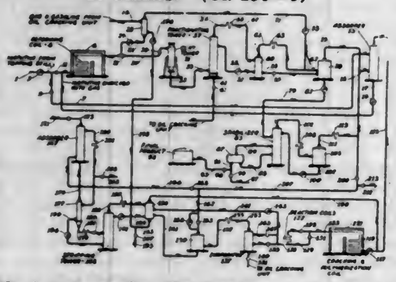
1. A process of polymerizing petroleum hydrocarbons which comprises subjecting said hydrocarbons in liquid state at a pressure in the range of 0.001 to 100 mm. of mercury absolute to the action of a high frequency glow discharge produced by means of a single electrical conducting electrode carrying an alternating electric current having a frequency above 1 megacycle, and maintaining the glow discharge under a pressure sufficiently low and with a sufficiently high frequency to sustain said glow discharge from said electrode independently of discharges from any other conducting electrode until said hydrocarbons are substantially polymerized.

2,257,178
REACTION CHAMBER
Homer Z. Martin and Donald L. Campbell, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application December 3, 1938, Serial No. 243,732
4 Claims. (Cl. 23—288)



1. An apparatus comprising a closed reaction vessel, an odd plural number of beds of contact material supported laterally in said vessel in vertically spaced relation to each other and to the vessel ends, providing a free space above and below each bed and at each end of the vessel, a series of conduits of varying lengths extending longitudinally of said vessel connecting the free space at one end thereof with alternate free spaces between the beds, one conduit of said series terminating in each alternate space, a second series of conduits of varying lengths connecting the free space at the opposite end of said vessel with free spaces intermediate the aforementioned alternate free spaces, one conduit of said second series terminating in each intermediate free space, and means for introducing a fluid material at one end of said vessel, and for removing fluid material from the other end.

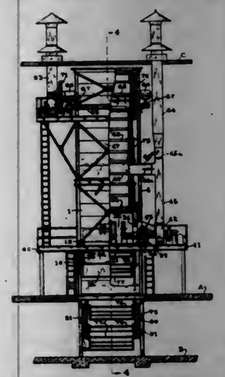
2,257,179
METHOD FOR PRODUCING IMPROVED MOTOR FUELS
Percy A. Maschwitz, Toledo, Ohio, assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
Original application August 13, 1936, Serial No. 95,745. Divided and this application April 26, 1939, Serial No. 270,042
10 Claims. (Cl. 196—9)



10. A process for the treatment of hydrocarbon oils which comprises fractionally distilling

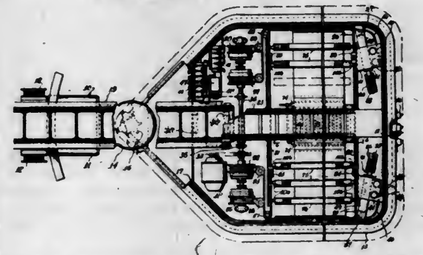
an oil of relatively wide boiling range and thereby separating the same into relatively low boiling and high boiling fractions, supplying high boiling fractions to a cracking operation, supplying low boiling fractions of the charging oil, which comprise at least a substantial quantity of poor anti-knock gasoline fractions, to a heating coil and therein heating the same under cracking conditions of elevated temperature and superatmospheric pressure regulated to effect a material improvement in the anti-knock value of said gasoline fractions, discharging resultant highly heated products from the heating coil; cooling the same sufficiently to prevent any excessive further cracking thereof, introducing partially cooled products from said heating coil and products resulting from the first mentioned cracking operation into a reduced pressure fractionating zone and therein separating vaporous from non-vaporous components and condensing those components boiling above the range of the desired final gasoline product, returning components boiling above the range of gasoline including reflux condensate formed by said fractionation to the first mentioned cracking operation for further cracking, subjecting the fractionated vapors of the desired end boiling point to condensation, separating the resulting distillate and uncondensed gases, stabilizing the distillate to reduce its vapor pressure to the desired degree by liberating dissolved normally gaseous products therefrom, supplying gases liberated from the distillate by said stabilization to an absorber, therein contacting the same with an absorber oil comprising low boiling fractions of the charging oil and thereby separating desirable high boiling components of the gases, including readily polymerizable olefins, from the lower boiling components thereof, by absorption of the former, and supplying the resulting enriched absorber oil to said heating coil.

2,257,180
OVEN
Carl F. Mayer, Lakewood, Ohio
Application February 24, 1938, Serial No. 192,250
5 Claims. (Cl. 263—8)



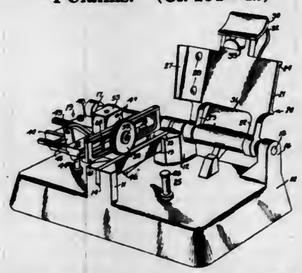
1. An oven comprising an elongated walled structure enclosing a heated chamber, a housing enclosing a heating chamber situated within said structure in spaced relation to the top, bottom and side walls thereof and hermetically sealed against direct intercommunication with the heated chamber, a fluid distributor and a fluid recovery duct in said heated chamber, a fluid conducting and impelling means for withdrawing fluid from the heating chamber and delivering it to the distributor, fluid conducting means for receiving fluid from the recovery duct and delivering it to the heating chamber, conveyor guide means in the heated chamber, an endless conveyor supported by said guide means and encircling the aforesaid housing, and article supports sustained by the conveyor.

2,257,181
COMBINED CUTTING AND LOADING MACHINE
Timothy F. McCarthy, Indiana, Pa.
Application November 24, 1939, Serial No. 305,866
18 Claims. (Cl. 262—29)



1. In a combined cutting and loading machine, a frame, a cutter chain movable about said frame, the thickness of said frame being such as to permit it to advance into the kerf cut by said cutter chain during the cutting operation, a conveyer extending rearwardly along the central portion of said frame, said conveyer being so constructed as to withstand the fall of a body of coal thereon and the upper and lower runs thereof being of less vertical height than said frame, and longitudinally extending flights on said frame on opposite sides of said conveyer, movable transversely of said frame towards said conveyer, for loading the fallen coal onto said conveyer.

2,257,182
FILM SPLICING DEVICE
Roy C. McClay, West Los Angeles, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y., a corporation of Delaware
Application November 15, 1937, Serial No. 174,564
4 Claims. (Cl. 154—42)

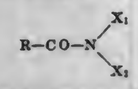


1. A film scraping device comprising a film clamp adapted to clamp a film to be scraped, means on said clamp forming a guideway, a slide movable in said guideway, a film scraping wheel rotatably carried by said slide and adapted to engage said film with the periphery thereof, means on the periphery of said wheel for scraping the surface of said film, a gear rack extend-

ing parallel to said guideway, means on said clamp for supporting said rack, and a gear operatively connected to said wheel and meshing with said rack for rotating said wheel when said slide is moved.

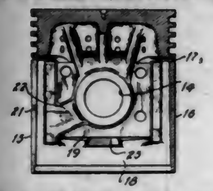
2,257,183
WETTING AGENT USEFUL FOR ALKALINE MERCERIZING SOLUTIONS
Ferdinand Münz, Frankfort-on-the-Main, and Otto Trösken, Frankfort-on-the-Main-Fechenheim, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application June 22, 1939, Serial No. 280,578. In Germany June 24, 1938
3 Claims. (Cl. 8—127)

1. As a composition of matter an alkaline mercerizing bath containing a compound of the formula



wherein R stands for the radicle of an aliphatic hydrocarbon containing 4 to 8 carbon atoms and X_1 and X_2 for aliphatic hydrocarbon radicles, each containing more than one carbon atom and at least one and at the most two hydroxy groups.

2,257,184
PISTON
Adolph L. Nelson, Detroit, Mich., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich., a corporation of Michigan
Application May 7, 1936, Serial No. 78,346
10 Claims. (Cl. 309—14)



1. In a piston of the type formed of a lightweight piston material and having piston pin bosses, a piston pin of material having a lower coefficient of expansion than the piston material passing through the pin bosses and having a tight fit in the bosses at 70° F., a skirt having opposite thrust faces, the outer surface of the skirt being at 70° F. of oval shape with the major axis of the oval coinciding with the thrust diameter, the piston being adapted to operate in a cast-iron cylinder bore, the improvement which comprises in combination with the above; a pair of bimetallic elements extending chordally of the piston at right angles to the axis of the piston pin, each bimetallic element comprising an inner primary member of material less expansible than the skirt material extending from one thrust face to the other, and an outer primary member of the skirt material, the bimetallic elements acting to bend the thrust faces toward cylindrical shape upon an increase of temperature, one of the thrust faces being formed with a vertical slot, the parts being so disposed that when upon cooling from an elevated temperature the pin bosses seize on the piston pin further cooling causes the bimetallic elements to move the parts of the skirt adjacent the slot outwardly on the thrust diameter thus keeping the thrust diameter at a close non-slapping fit in the cylinder bore.

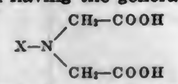
2,257,185
TRACTION DEVICE FOR VEHICLE WHEELS
Carl R. Nelson, Dysart, Iowa
Application June 9, 1941, Serial No. 397,313
5 Claims. (Cl. 301—50)



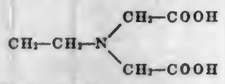
1. In a traction lug device for wheels having a center, a rim and a tire, an annular channel member adapted to face the rim portion of the wheel, an inner lip adapted to be secured to the center of the wheel and an outer lip adapted to fit against the tire, sleeves of square cross-section extending radially through the channel member and having squared ends, lugs each having a square stem fitting in a sleeve from a selected end and having a body forming a squared shoulder with said stem and adapted to fit against the sleeve end into which the stem is inserted, means to hold the stems releasably in the sleeve, fastening means extending through the inner lip to secure the lip to the wheel center, and other fastening means for securing the channel member to the wheel rim.

2,257,186
PROCESS OF REMOVING METAL OXIDES AND PREPARATIONS SUITABLE IN THIS PROCESS
Ludwig Orthner, Frankfort-on-the-Main, and Willibald Ender, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application February 9, 1938, Serial No. 189,707. In Germany February 13, 1937
9 Claims. (Cl. 252—152)

2. The process of removing rust deposited on materials which comprises subjecting the materials to be cleaned to the action of an aqueous solution of a mixture of the sodium salt of a carboxylic acid having the general formula:



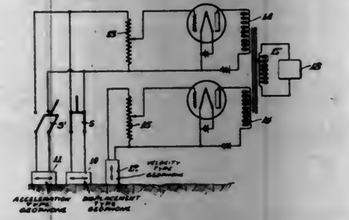
wherein X stands for a carboxylic acid radical selected from the group consisting of CH_2—COOH and



and sodium hyposulfite.

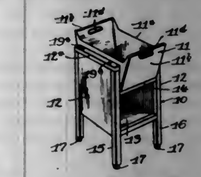
2,257,187
SEISMIC SURVEYING
John E. Owen, Tulsa, Okla., assignor to Geophysical Research Corporation, New York, N. Y., a corporation of New Jersey
Application December 21, 1939, Serial No. 310,378
3 Claims. (Cl. 177—352)

1. Apparatus for receiving and recording artificial seismic waves comprising a pair of electrical geophones arranged so as to be substantially simultaneously actuated by earth motion, one of said geophones being responsive only to horizontal earth motion and the other geophone being responsive only to vertical earth motion and the electrical output of one geophone being the time derivative of the electrical output of the other



geophone, a recorder, connections between both geophones and said recorder, and means in said connections for adjusting the amplitude of one geophone output relative to the amplitude of the other geophone output.

2,257,188
CABINET
John H. Page, Muskegon, Mich., assignor to The Shaw-Walker Company, Muskegon, Mich., a corporation of Michigan
Application December 5, 1938, Serial No. 244,018
2 Claims. (Cl. 211—133)



1. A cabinet comprising an upright pedestal having a vertically disposed compartment open at the top and at the front and rear sides of said pedestal, means providing a stop defining the depth of said compartment, a sorting tray having a bottom wall, upright side walls and upwardly and outwardly inclined end walls, said tray being of a width to be inserted into the open top of said compartment in said pedestal, with its end walls disposed in the front and rear openings thereof and with its bottom wall supported on said stop means, and the bottom wall of said tray being of such length that when said tray is withdrawn from said compartment it may be disposed in position to bridge said compartment transversely with its ends supported upon said pedestal.

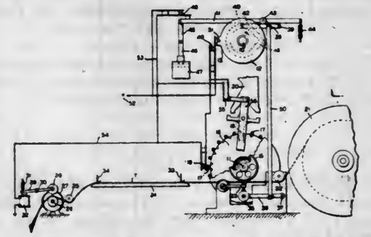
2,257,189
DISCHARGE PRINTING OF FABRICS, ETC.
Roscoe W. Parks, Hillside, N. J., assignor to Jacques Wolf & Co., Passaic, N. J., a corporation of New Jersey
No Drawing. Application August 18, 1939, Serial No. 290,794
6 Claims. (Cl. 8—69)

1. The method of discharge-printing fibrous sheet material existing colored with dischargeable coloring matter which consists in applying to an area of the material so colored a viscous substantially water-free cellulose ester carrier containing a reducing discharge agent for such coloring matter existing as initially dry particles and subjecting such area to moisture in the presence of heat.

2,257,190
AZO DYE COMPOSITIONS
Josef Riedmair and Walter Pässler, Frankfort-on-the-Main-Fechenheim, and Gustav Torinus, Bad Soden, Germany, assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application March 2, 1940, Serial No. 322,020. In Germany March 14, 1939
2 Claims. (Cl. 8—45)

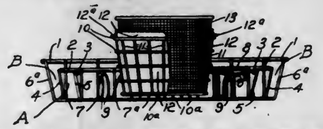
1. A process for producing waterinsoluble azodyestuffs on the fiber which consists in adding to printing pastes including thickening agents and solvents such mixtures of coupling components and of diazoamino compounds containing acid watersolubilizing groups in that part of their molecule which does not take part in the dyestuff formation, as allow the splitting off of the diazoamino compound as well as the dyestuff formation in a slightly acid to neutral medium, volatile bases, and salt solutions obtained by neutralizing the aforesaid volatile bases with a substance acting as an acid.

2,257,191
TAPE PULLER FOR PROJECTORS
George I. Roberts, New York, and Robert F. Dirkes, Jamaica, N. Y., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application March 29, 1934, Serial No. 718,044
12 Claims. (Cl. 178—42)



1. In combination, a recorder for stock quotations or other messages, a support, a tape feeding mechanism for advancing the tape across said support, means for stopping the movement of said tape across said support upon interruption of the operation of said printer and means responsive to predetermined selective operation of said recorder for delaying the stopping of the tape until the last quotation or message recorded prior to said interruption has been advanced on to said support.

2,257,192
COMBINATION DISHWASHER AND DRAINER
Estelle F. Romney, San Diego, Calif.
Application November 7, 1939, Serial No. 303,238
4 Claims. (Cl. 141—9)



1. In a combination dishwasher and drainer of the class described, the combination of an outer frame member and an inner frame member positioned in conforming spaced relation therewith, longitudinal and lateral wires supporting said outer and inner frame members, a basket like

receptacle supporting frame connected with said longitudinal and lateral wires, and a liquid containing washing receptacle supported by said receptacle supporting frame.

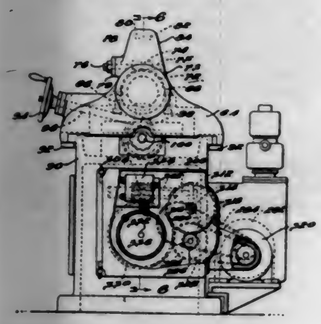
2,257,193
ALKYLATION PROCESS USING TETRAPHOSPHORIC ACID
Raphael Rosen, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application February 18, 1939, Serial No. 257,225
11 Claims. (Cl. 196—10)

1. A process for the production of normally liquid saturated branched chain hydrocarbons boiling in the gasoline range which comprises condensing a mixture containing at least one paraffin containing at least one tertiary carbon atom with a mono-olefin at a temperature below 260° F. in the presence of a catalyst containing tetraphosphoric acid to directly produce paraffins without a subsequent hydrogenation of the condensation product.

2,257,194
MOTOR FUEL
Raphael Rosen, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application October 18, 1939, Serial No. 299,975
9 Claims. (Cl. 44—9)

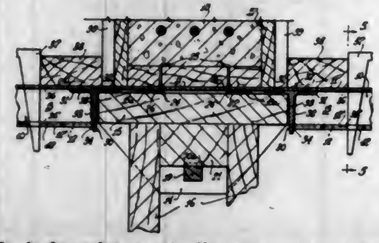
1. A motor fuel comprising a gasoline hydrocarbon fuel and a minor proportion of a hydrocarbon borine-amine addition product.

2,257,195
INTERNAL GEAR FINISHING MACHINE
John D. Rovick, Muncie, Ind., assignor to Michigan Tool Company, Detroit, Mich., a corporation of Delaware
Continuation of application Serial No. 50,412, November 18, 1935. This application April 24, 1939, Serial No. 269,739
8 Claims. (Cl. 51—26)



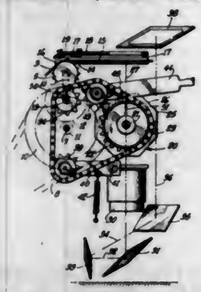
8. The method of finishing a gear member which comprises meshing said gear member with a gear-like tool with the axis of the tool inclined to the axis of the gear, rotatably driving said gear and tool in meshing engagement and bodily moving said tool relative to said gear along a path tangential to said gear.

2,257,196
T-HEAD SHORE HANGER
Ray A. Schneider, Oak Park, Ill.
Application July 15, 1940, Serial No. 345,506
8 Claims. (Cl. 248—357)



8. A shore hanger in the form of an elongated plate having intermediate portions turned down to provide a shore head embracing member and having portions adjoining its opposite ends turned back upon itself to provide hollow reinforcing sleeves, said last named end portions being jointed at a point centrally of the width of the hollow sleeves to provide reinforcing ribs in the lower walls of the sleeves, a reinforcing member fixed beneath the plate in the region of the juncture of each of the sleeve portions with the head embracing member, each reinforcing member having a depending web portion terminating adjacent the lower wall of each of the hollow sleeves and froming an abutment for the reinforcing ribs thereof, transverse slot means formed in the midportion of said plate for engagement with headed hanger members on a form, each of said hollow sleeves having peg receiving openings formed in its upper and lower horizontal walls, adapted to receive wedge-shaped pegs for camming action against ribbon strips embracing said form.

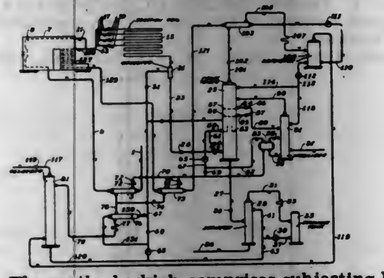
2,257,197
MOTION PICTURE APPARATUS
Iwan Serrurier, Los Angeles, Calif.
Application April 30, 1940, Serial No. 332,487
2 Claims. (Cl. 88—16.8)



1. In combination with a motion picture projector including a film feeding sprocket mounted for rotation upon a shaft, a rotary light controlling means mounted for rotation upon another shaft, a driving sprocket on one of said shafts, a driven sprocket on the other of said shafts, and a drive mechanism comprising a chain loop encircling said driving and driven sprockets for synchronously rotating said film feeding sprocket and said light controlling means, a framing mechanism including: a framing sprocket engaged with one side of said chain loop; means mounting said framing sprocket for movement in a plane perpendicular to the axes

of said shafts; an idler engaged with the other side of said chain loop; spring means normally urging said idler in a direction to take up slack in said loop; and manual means for so moving said framing sprocket, whereby said film feeding sprocket and said light controlling means are rotated relative to each other.

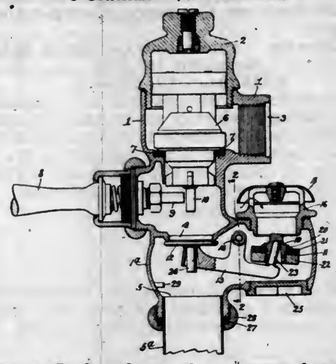
2,257,198
METHOD AND APPARATUS FOR CONVERSION OF HYDROCARBON GASES
Hermann C. Schutt, North Tarrytown, N. Y., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
Application August 5, 1936, Serial No. 94,386
3 Claims. (Cl. 196—10)



1. The method which comprises subjecting hydrocarbon gases in a reaction zone to a condition of time, temperature and pressure suitable for converting a substantial portion thereof to gasoline boiling hydrocarbons, fractionating the reaction products into residue, intermediate condensate, light condensate and gas, separating the gas into a liquid and a gaseous portion, passing said liquid portion in heat interchange with gases and intermediate condensate from the fractionating zone and thereafter charging said liquid portion to a preheating zone wherein it is heated to a temperature below the reaction temperature, charging the gases leaving the preheating zone to said reaction zone, passing intermediate condensate from the fractionating zone in heat interchange with the first mentioned gases prior to charging to said reaction zone and thereafter charging said intermediate condensate to an absorption zone, contacting said gaseous portion countercurrently with said intermediate condensate in said absorption zone, withdrawing rich condensate from said absorption zone and passing it in heat interchange with condensate passing to said absorption zone and thereafter mixing said rich condensate with the aforesaid reaction products.

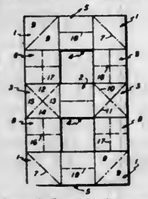
3. Apparatus of the character described comprising a heating coil and a reaction means connected thereto by a connecting line, a second heating coil connected to said reaction means by said connecting line, a fractionating means connected to the outlet of said reaction means, means for separately withdrawing gasoline, condensate heavier than gasoline, and gases from said fractionating means, means for separating gases leaving said fractionating means into gaseous and liquid fractions, means for recycling said liquid fraction to said second heating coil, means for cooling said condensate, means for contacting said condensate with said gaseous fraction under super-atmospheric pressure, means for charging condensate containing absorbed gases to the outlet of said reaction means and means for charging at least a portion of said last mentioned rich condensate to said fractionating means.

2,257,199
VACUUM BREAKER
William E. Sloan, River Forest, Ill.
Application January 7, 1937, Serial No. 119,440
3 Claims. (Cl. 137—93)



3. In a flush valve and a vacuum breaker occupying a unitary casing which has one portion for the flush valve and another portion for the vacuum breaker, said casing having an extension with an inlet opening therein for the reception of liquid, the vacuum breaker portion of the casing having a vertical threaded air-inlet opening located below and obstructed by the inlet extension of the casing, the method of threading the air inlet opening of the vacuum breaker portion of the casing which includes providing a working opening in the casing on the opposite side of the air inlet opening from the liquid inlet opening, in forming the threads in the air inlet opening by means of a threading tool passing through the working opening, and in closing the working opening after the threading operation has been completed.

2,257,200
BLANK FOR MAKING LETTERS AND NUMBERS
Alfred W. Smith, San Francisco, Calif., assignor to Dennison Manufacturing Company, Framingham, Mass., a corporation of Massachusetts
Application May 7, 1940, Serial No. 333,838
2 Claims. (Cl. 35—26)



1. An approximately rectangular blank for use in making various characters comprising fifteen approximately rectangular sections including four corner sections, a center section, two mid-side sections at opposite sides of said center section, two end-center sections at opposite ends of said center section, two mid-end sections between said corner sections, and four side sections between said corner sections and said mid-side sections, said end-center sections being removed to form approximately rectangular openings through the blank, said corner sections each having diagonal lines dividing the sections into inner and outer parts, said mid-side sections each having diagonal lines dividing the sections into four parts.

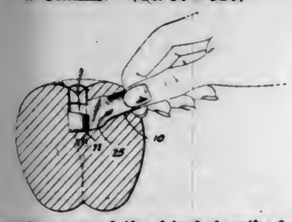
2,257,201
RESINS AND PROCESS OF MAKING THE SAME
Warren M. Smith, Elizabeth, and William J. Sparks, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application October 6, 1937, Serial No. 167,531
9 Claims. (Cl. 260—2)

3. An improved resinous material comprising a condensation product of an aromatic compound of the formula RX, where R is an aromatic hydrocarbon radical and X is a member of the class consisting of hydrogen and alkyl and hydroxyl groups, and a compound of the formula:



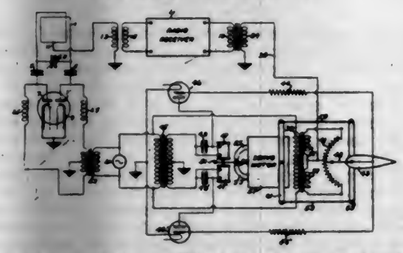
where X′ is a halogen and R′ is a member of the class consisting of alkyl radicals, aryl radicals and aryl radicals containing alkyl groups.

2,257,202
COMBINATION FRUIT CORER AND GOUGE
Chester A. Taylor, Los Angeles, Calif.
Application December 13, 1938, Serial No. 245,411
2 Claims. (Cl. 30—316)



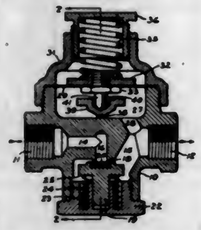
1. An implement of the kind decribed, including a strip of sheet metal having a body portion which forms a handle, one end portion of said strip being frusto-conically curled, thereby forming a coring element, the axis of said curled part being inclined in relation to the direction in which the body portion of said strip extends, the large end of said frusto-conically curled part being located at the juncture of said curled part with said body portion of the implement and the small end thereof having a cutting edge.

2,257,203
PROPORTIONAL CONTROL SYSTEM
Ralph S. Thacker, West Los Angeles, Calif., assignor to Leo M. Harvey, La Canada, Calif.
Application January 20, 1940, Serial No. 314,891
10 Claims. (Cl. 250—2)



1. In a radio positioning device, automatic control apparatus comprising a directional radio receiver having balanced output tubes the anode current of one or the other whereof preponderates in accordance with the direction of reception of radio waves with respect to the axis of said receiver, relay means operative in opposite senses in response to preponderance of output current in the respective tubes, means actuated by said relay means and movable to effect a change of position of said directional receiver with respect to the received waves, and means actuated by movement of said movable means for changing the point of balance of said tubes.

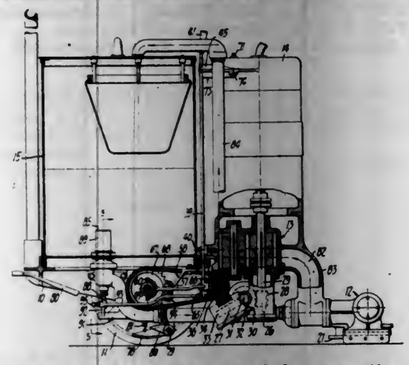
2,257,204
PRESSURE REDUCING AND REGULATING VALVE
Paul C. Temple, Decatur, Ill., assignor to A. W. Cash Company, Decatur, Ill., a corporation of Delaware
Application December 30, 1938, Serial No. 248,555
1 Claim. (Cl. 50—23)



A pressure reducing and regulating valve comprising a body shaped to provide an inlet chamber, an outlet chamber and a port connecting said chambers, an annular valve seat at the discharge end of the port, a valve member slidably mounted adjacent the valve seat to control the flow through the port, a spring urging the valve member toward the seat, a flexible diaphragm subjected to the fluid pressure in the outlet chamber, a spring urging the diaphragm in opposition to said fluid pressure, two parallel compression rods slidably mounted in the valve body on opposite sides of the valve seat with one end of each rod rockably engaging the valve member, a protuberance on the diaphragm midway between the rods, and a member connecting the protuberance with the adjacent ends of the rods, the member being loosely connected to the rods and arranged to rock on the protuberance as may be required to equalize the compression forces transmitted by the rods.

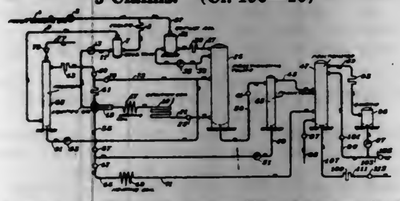
2,257,205
CARPET WASHING MACHINE
Joseph S. Thompson, San Francisco, Calif., assignor to Pacific Electric Manufacturing Corporation, San Francisco, Calif., a corporation of California
Original application March 16, 1935, Serial No. 11,445. Divided and this application June 13, 1938, Serial No. 213,321
10 Claims. (Cl. 141—1)

2. In a machine of the character described, a wheel carriage, a washing head supported by said carriage, pumping means supported by the carriage for circulating washing liquid throughout the head, an electric motor for driving the pumping means, a reversible drive means adapted to be shifted from neutral to connect the motor to one of said wheels, a clutch serving to releasably connect the wheels of the carriage to rotate in unison, said clutch when disengaged permitting rotation of one wheel independently with respect to the other, and a single control lever for



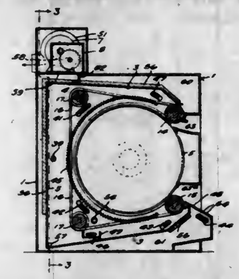
shifting the drive means and for operation of said clutch, to directly connect said wheels when said one wheel is connected to be driven by the motor.

2,257,206
METHOD AND APPARATUS FOR CONVERTING HYDROCARBON GASES TO LIQUID
John W. Throckmorton, New York, N. Y., and Virgil D. Drummond, Westfield, N. J., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
Application January 2, 1937, Serial No. 118,820
5 Claims. (Cl. 196—10)



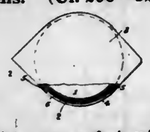
1. The method of converting gaseous hydrocarbons into liquid hydrocarbons which comprises separating fresh gaseous hydrocarbons into a liquid fraction composed chiefly of C_3 and C_4 hydrocarbons and a gaseous fraction composed chiefly of lower molecular weight hydrocarbons together with non-hydrocarbon gases, passing the liquid fraction through heating and reaction zones under suitable conditions of time, pressure and temperature to bring about conversion of a substantial portion of the gases to liquids, immediately thereafter and without substantial reduction in pressure, passing the reaction products into a pool composed substantially entirely of relatively cool condensate maintained in a fractionating tower whereby the reaction products are cooled below conversion temperature, flashing the liquid from said pool to vaporize hydrocarbons boiling within the gasoline range, condensing the latter, cooling the unvaporized liquid from the flashing step, charging said gaseous fractions to an absorption zone together with a portion of the cooled unvaporized liquid from the flashing step, charging rich liquid from the absorption zone to said fractionating tower, recycling another portion of said cooled unvaporized liquid directly to the fractionating tower at a point above said pool, and commingling the unvaporized portions of the recycled liquid with said pool.

2,257,207
APPARATUS FOR THE DRY DEVELOPMENT OF LIGHT SENSITIVE MATERIAL
Frederick W. von Meister, New York, and Frederick W. Andrew, Glen Head, N. Y., assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application June 23, 1938, Serial No. 215,416
4 Claims. (Cl. 95—94)



1. In an apparatus for developing light-sensitive material with a gaseous developing medium, in combination, a casing, a rotatable drum substantially enclosed therein, openings in the casing for the entry and exit of light-sensitive material the rotatable drum extending from the entrance opening to the exit opening, a roller in the casing adjacent each opening, the periphery of the rollers being slightly spaced from the periphery of the drum, means for introducing a gaseous developing medium into the space bounded by the casing, the periphery of the drum and said rollers, continuous means trained about the rollers and said drum for feeding light-sensitive material through the entry opening to the periphery of the drum and for expelling said light-sensitive material from the exit opening, said means further operating to maintain the light-sensitive material against the periphery of said drum and to convey said material about said drum while permitting access of the gaseous developing medium to the light-sensitive material.

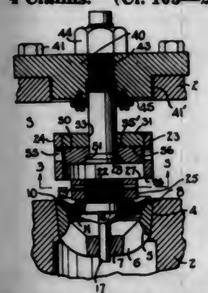
2,257,208
RIBBON PACKAGE
George Wagner, Haledon, N. J., assignor to R. G. Buser Silk Corp., Paterson, N. J., a corporation of Delaware
Application April 20, 1940, Serial No. 330,733
5 Claims. (Cl. 206—52)



1. In combination, a substantially circular wound mass of lengthy material and a container therefor comprising, with spaced elongated substantially counterpart main walls closely opposed to the respective ends of the mass and existing in registry with each other and each having the portions thereof both sides of a plane substantially diametrically cutting the mass existing as tapering substantial counterparts of each other and extending beyond the perimeter of the mass, wall-forming means perpendicular to said walls and arranged in coincidence with their respective tapering margins and obstructing displacement of said mass in any direction from between said

walls, said means affording an opening for access to the mass arranged at one side of a plane perpendicular to the first-named plane.

2,257,209
SLUSH PUMP VALVE
John Wesley Wells, Houston, Tex., assignor to Mission Manufacturing Company, Houston, Tex., a corporation
Application July 26, 1937, Serial No. 155,605
4 Claims. (Cl. 103—228)



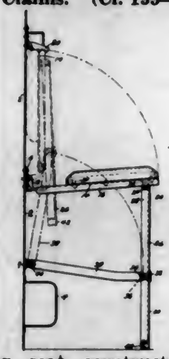
1. A slush pump a valve assembly therefor comprising a valve seat, a valve, a resilient sealing member thereon to engage said seat, said valve having a stem, a cage fixed on said stem above said valve, a cap on said cage, a port through the pump body, a port cover therefor, a hanger rod projecting below said cover, a stop plate fixed on said rod and disposed within said cage to receive said cap in abutting position, and means to adjust said rod so that the abutment of said cap and plate serves as a stop the closing movement of the valve and to absorb the rap of closing of said valve.

2,257,210
GLOVE
George H. Wheadon, Johnstown, N. Y.
Application March 28, 1939, Serial No. 264,510
7 Claims. (Cl. 2—169)



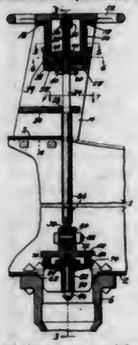
1. In a glove, a thumb comprising a palm portion and a back portion, the back of said thumb comprising an upper portion and a lower portion, the palm of said glove adjacent said thumb being provided with a slit, a first insert disposed between said palm portion and said back portion of said glove and provided with a laterally extending quirk-shaped member attached at its edges to the edges of said material defining said slit, and a second insert disposed between said palm portion and said back portion of said glove on the opposite side thereof from said first insert, and provided with a laterally extending projection located adjacent the crotch formed between the palm of said thumb and the palm of the glove, said upper portion being offset from said lower portion.

2,257,211
SEAT
Victor Willoughby, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application May 9, 1938, Serial No. 206,872
7 Claims. (Cl. 155—80)



2. A folding seat construction for floored structures comprising a rigid seat base secured at one end by hinges to a supporting structure above the floor, a supporting member hingedly secured to the seat base at the other end and adapted to rest upon the floor of the structure, a tie bar pivotally connected to the supporting structure and support member to control the latter, and a cushioned seat unit removably secured directly to the seat base with the cushioning material directly supported by the seat base, said first named hinges being offset sufficiently to place the hinge axis substantially in the plane of the upper surface of the cushioned seat unit.

2,257,212
OUTLET VALVE AND OPERATING MECHANISM
Victor Willoughby, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application June 29, 1938, Serial No. 216,451
12 Claims. (Cl. 137—21)



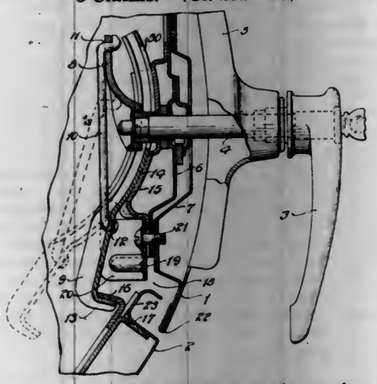
1. A discharge valve assembly for a tank comprising, a valve body secured to the tank, a valve having sealing portions spaced apart in the direction of movement of said valve for cooperation with the valve body, a valve rod connected to the valve, a supporting bracket carried by the tank, valve control mechanism connected to the valve rod and supported by said bracket and rod, said mechanism comprising a bowl-like member threaded upon said rod, a hand wheel connected to said member to rotate the same and guided by said supporting bracket, and a coil spring interposed between said bracket and bowl-like member, said spring permitting a predetermined vertical movement between said bowl-like member and bracket.

2,257,213
CLOSURE FOR HIGH PRESSURE VESSELS
Ulrich Wolfrom, Leuna, Germany, assignor to Standard Catalytic Company, a corporation of Delaware
Application August 3, 1937, Serial No. 157,099
In Germany August 5, 1936
2 Claims. (Cl. 220—46)



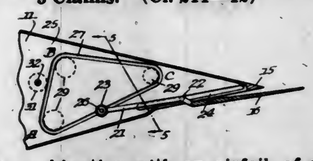
1. A closure for a high pressure vessel opening, including a self-tightening seal therefor, comprising a cover for the opening, said cover and the adjacent edge of said opening being provided with opposed, substantially conical, annular seating surfaces, a sealing ring buffer body substantially within the vessel at said opening, spaced radially inwardly of the seating surface thereof, and a hard elastic, sealing ring having a peripheral shape and diameter substantially conforming to that of said seating surfaces, engaging said seating surfaces and located between said buffer body and said seating surfaces and an inner diameter which is greater than the outer diameter of said buffer body by about one thousandth part thereof.

2,257,214
DECK LID LOCK
Ralph H. Wise, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application October 11, 1939, Serial No. 299,005
5 Claims. (Cl. 292—97)



5. In an automobile having a deck member with an opening and a hinged lid member for closing the same, a lock mounted on one of said members comprising a longitudinally arcuate bolt provided with a bolt head in the form of a hook, a correspondingly arcuate guide for slidably supporting the said bolt, manual means for sliding the said bolt in either direction in its guide, said bolt head being adapted to engage a keeper in the form of a hook carried by the other of said members and transmit manual force into a longitudinal tension in said bolt whereby when the bolt is slid into interengagement with its keeper it travels along an arcuate path and imparts a positive pressure to draw the deck lid inwardly toward the deck and stresses the same longitudinally toward said keeper to prevent wrinkling of the lid.

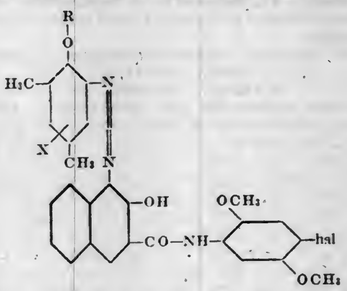
2,257,215
SPLIT FLAP
Edward F. Zap, West Chester, Pa.
Application February 10, 1938, Serial No. 189,851
5 Claims. (Cl. 244—42)



2. The combination with an airfoil, of a rearwardly disposed substantially spanwise extending flap associated with the pressure side of said airfoil, a guiding mechanism in the airfoil for said flap, attachment means on said flap engaging said guiding mechanism, said guiding mechanism including first guiding means constructed and arranged to guide the flap in movement from a first position in which the leading edge of the flap is immediately adjacent the trailing edge of the airfoil and the upper side of the flap is flush with the upper side of the airfoil, into a second position in which the lower side of the flap is flush with the lower side of the airfoil, and the trailing edges of the flap and of the airfoil are adjacent to each other, and said guiding mechanism including furthermore second guiding means constructed and arranged to guide the flap in movement from said second position to a third position in which the flap is spaced from and below the trailing edge of the airfoil, its leading edge being adjacent the lower surface of the airfoil, and the flap and the airfoil forming an angle open to the rear, and unitary control means progressively operable to move the flap in the aforedescribed guided relation along said guiding means.

2,257,216
WATER-INSOLUBLE AZO DYESTUFFS
Werner Zerweck and Walter Brunner, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application April 4, 1940, Serial No. 327,830. In Germany April 14, 1939
4 Claims. (Cl. 260—203)

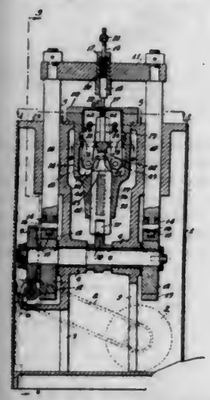
1. Waterinsoluble azodyestuffs of the formula:



wherein R stands for a member of the group con-

sisting of phenyl and chlorophenyl and X for a member of the group consisting of hydrogen and halogen, which dyestuffs are distinguished by a remarkable beauty of shades and good fastness properties.

2,257,217
ASSEMBLING MACHINE
Roy W. Bailey, Detroit, Mich., assignor to Detroit Power Screwdriver Company, Detroit, Mich., a corporation of Michigan
Application April 11, 1940, Serial No. 329,123
4 Claims. (Cl. 29—84)

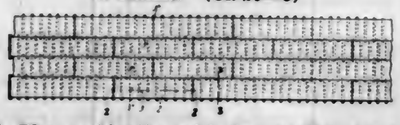


1. An assembling machine comprising a plurality of deforming jaws mounted to move towards and away from each other, a releasable support for a washer over said jaws, a releasable support for a screw in line with the first support, a pusher, means adapted to operate said pusher to insert a screw from the first support into a washer on the second support, and to move the screw and washer from said supports to a position wherein said jaws are adapted to support the washer thereon while the screw is suspended therebetween, means for forcing said jaws into the screw, and means for spreading the jaws sufficiently to permit the washer and screw to fall therebetween.

2,257,218
PROCESS FOR THE PREPARATION OF PAPAIN
Arnold K. Balls, Washington, D. C., Hans Lineweaver, Berkeley, Calif., and Sigmund Schwimmer, Washington, D. C., assignors to Henry A. Wallace, as Secretary of Agriculture of the United States of America, and to his successors in office
No Drawing. Application July 11, 1940, Serial No. 344,916
1 Claim. (Cl. 195—68)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

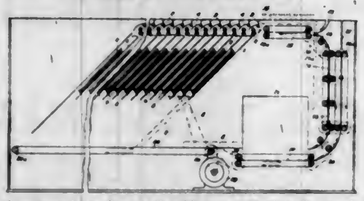
A method for the preparation of papain, which comprises extracting latex from green fruit; thence adding sodium chloride in the proportion of substantially one-tenth of the weight of the fresh latex; thence agitating the mass; thence subjecting the mass to the action of heat in vacuo at a temperature not exceeding 55° C., the while agitating the mass, thereby removing the excess water present; and thence placing the resulting paste in airtight containers.

2,257,219
SECTIONAL FLOORING
William Tom Bath, Midland, Ontario, Canada
Application July 5, 1940, Serial No. 344,119
In Canada July 8, 1939
2 Claims. (Cl. 20—8)



1. The combination with the parallel piping or other supporting structure in an ice rink, of a series of floor sections carried freely on the piping and arranged end to end in parallel rows, engaging means at the opposing ends of each pair of sections of each row engaged by slipping the sections when horizontal on said piping longitudinally into an abutting position at their ends, and engaging means at the opposing sides of each row of sections engaged by slipping the sections transversely so that the sides of each row are brought to an abutting position whereby the sections are freely connected to form a removable flooring.

2,257,220
SELECTING AND CONVEYING APPARATUS FOR CARD INDEXES
Otto Becker, Saarbrucken, Germany
Application March 18, 1939, Serial No. 262,746
In Great Britain March 21, 1938
4 Claims. (Cl. 209—72)

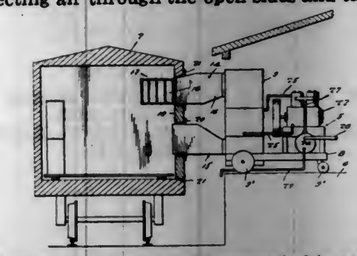


1. Apparatus for selecting a desired card from a number of punched index cards, comprising in combination, a card storage magazine storing cards in groups, an adjustable group selecting device connected to said storage magazine and adapted to remove the whole group of cards containing the desired card from said storage magazine, and an adjustable selecting device for perforated cards connected by conveying means with said storage magazine and adapted to select the desired single card or sub-group of cards from the selected group, and further conveying means between said punched card selecting device and the storage magazine for automatically returning the other cards of the selected groups to their place of storage to form a complete circulation of the remaining cards to allow at once a new selection without any other manual operation.

2,257,221
PRECOOLING UNIT FOR PERISHABLE FOODSTUFFS
Trice M. Bell, Tampa, Fla.
Application December 13, 1939, Serial No. 309,092
1 Claim. (Cl. 62—24)

In a precooling device, a plurality of converging air conduits, a nozzle connecting said conduits at the converging ends thereof and said nozzle tapering toward its free end and having

said end and the sides thereof open, groups of arcuately curved deflectors mounted in the nozzle and extending inwardly from the open sides of said nozzle and arranged in groups with the deflectors of each group progressively increasing in length toward the open end of the nozzle for directing air through the open sides and the open



end of the nozzle, a casing connected to said conduits, a chilling means in said casing, a power driven blower in the casing between said chilling means and the conduits for forcing air through the latter, and an air intake unit underlying the conduits and a portion of the nozzle and connected to said casing.

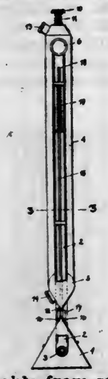
2,257,222
PROCESS FOR THE MANUFACTURE OF ARTIFICIAL SAUSAGE SKINS
Armin Bergmann, Hamburg-Altona, Germany
Application April 5, 1939, Serial No. 266,209
In Germany March 17, 1938
5 Claims. (Cl. 18—57)



3. Process for the manufacture of artificial sausage skins which comprises introducing a driable mass of albuminous skin-forming material within the interior of a flexible, flattenable and gas-inflatable tubular member, imparting lengthwise motion to the said tubular member with the albuminous material therein; flattening the said tubular member, containing the said albuminous material, during the said motion; shifting laterally the sides of the flattened tubular member; inflating said tubular member with a gaseous medium after said flattening and shifting; drying the skin of albuminous material formed upon the interior of the inflated tube by the foregoing steps, said drying being performed while the tubular member is in inflated condition; and thereafter stripping the dried skin from the interior of said tubular member.

2,257,223
RAMMER, ESPECIALLY FOR ROAD MAKING
Johann Borgmann, Duisburg-Hamborn, Germany
Application July 7, 1939, Serial No. 283,232
In Germany July 5, 1938
3 Claims. (Cl. 94—49)

1. A rammer especially for road making, comprising in combination a post formed of two channel bars, an axle mounted in the lower end of said bars, a tamper head mounted on said axle so that it can be turned about it and having the form of a three-sided prism with its longitudinal edge extending perpendicularly to said post, a handle on the upper end of said



post, means operable from said handle for holding said tamper head, a spraying device mounted on said post above said tamper head, and means for operating said spraying device from said handle.

2,257,224
OPHTHALMIC MOUNTING
Samuel E. Bouchard, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application October 19, 1940, Serial No. 361,940
4 Claims. (Cl. 88—47)



1. An ophthalmic mounting comprising a lens having an aperture adjacent one edge, a strap member engaging one face of the lens, a spirally coiled spring within said aperture and in frictional engagement with the wall of the aperture, said spring having a greater dimension in one direction than in another in transverse section, and a rigid retaining member positioned within said coiled spring and secured to said strap member, said retaining member being in frictional engagement with said spring.

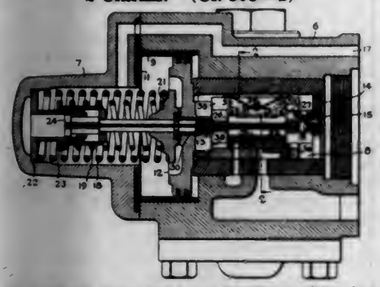
2,257,225
SUB-CASING-HEAD TAKE-OFF FOR WELLS
William H. Brenot, Toledo, Ohio
Application September 3, 1940, Serial No. 355,191
2 Claims. (Cl. 103—179)

1. A casing provided with a conductor for liquid, a unit insertable in the casing to a station intermediate the length of the casing, said unit including a plurality of spaced partitions, a laterally ported pipe section, a pair of collars spaced by the pipe section and providing seats for a pair of said partitions, an additional pipe through the spacer pipe section, a third collar having threaded engagement with the additional pipe and thereby opposing the lower partition on the side away from the collar against the lower side of

the pipe section, a fourth collar loose on the additional pipe above the upper partition, and a nut having threaded engagement with the additional pipe and seating against the fourth collar, said nut as there rotatable being effective through the pipe simultaneously to clamp a pair of the partitions with the seat-providing collars against the ported pipe section for such spaced pair of the partitions to cooperate with the casing to form a chamber in the casing, there being port-providing means through the casing from said chamber, a pump, and a riser pipe in the casing to the unit, said pipe having communication with the pump for liquid delivery through the additional pipe into the chamber for effecting delivery of liquid from the casing by way of the chamber and port means.



2,257,226
AIR BRAKE
Charles A. Campbell, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application February 23, 1940, Serial No. 320,488
2 Claims. (Cl. 303—1)



1. A piston and slide valve assembly for use in valve bodies having a cylinder and a valve chamber formed with a ported seat for the slide valve, said assembly comprising in combination a piston adapted to fit such cylinder, and provided with a stem formed with a reduced portion between opposed shoulders, and with a spider adapted to be guided in such chamber; a main slide valve shiftable with lost motion by said stem and having wings which straddle the stem, said valve being ported to coact with said seat and having a ported seat on its back between its wings; a graduating valve coacting with the seat on the main slide valve and having wings which straddle the reduced portion of said stem between said shoulders, said graduating valve having a spring retaining recess on its back between its wings; a spring retained in said recess and reacting against said stem; and valve retaining means connecting the wings of respective valves and serving to prevent removal of the valves from said stem.

2,257,227
NIGHT STICK
Maurice M. Dater, Detroit, Mich., assignor to Joseph D. Brown, Detroit, Mich.
Application January 22, 1940, Serial No. 314,979
3 Claims. (Cl. 240—6.42)

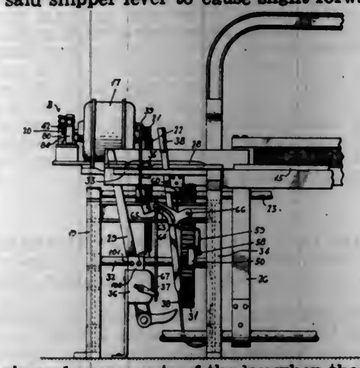


1. In a night stick construction including a main body portion having a bore therein and batteries and a lamp positioned in said bore for the purpose of projecting light therefrom, the combination of an electric circuit for said batteries and lamp including a pair of electric conductors extending through said main body portion to a point adjacent the handle thereof, said main body portion having an annular groove formed circumferentially thereof adjacent said handle and said conductors having end portions exposed in spaced relation with respect to each other at the bottom of said groove, and a conductive switch member received by and confined in said groove, said switch member being movable in said groove about the axis of said main body portion from a position in which it lies in contact with both said end portions to a position in which it is free of at least one of said end portions, said switch element being of ring-like form, and a projection on said switch element extending in a generally outward direction therefrom to a point radially beyond the adjacent surface of said main body portion whereby to provide a finger piece for actuating said switch element.

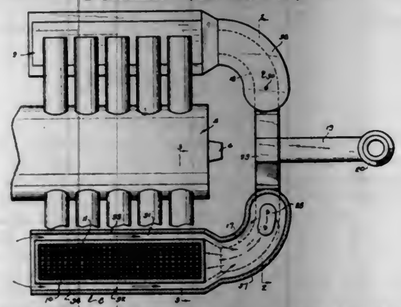
2,257,228
PILE FABRIC LOOM CONSTRUCTION
Walter H. Dietrich, Hazleton, Pa., assignor to Duplan Silk Corporation, New York, N. Y., a corporation of Delaware
Application October 5, 1939, Serial No. 298,034
3 Claims. (Cl. 139—336)

1. In a pile fabric loom, a main motor for operating the lay, a main switch for controlling said motor, a shipper lever for controlling said main switch, a jogging lever for controlling said main switch, said jogging lever being connected to said shipper lever and being operable independently

of said shipper lever to cause slight forward and backward movements of the lay when the shipper lever has been moved to inoperative position.



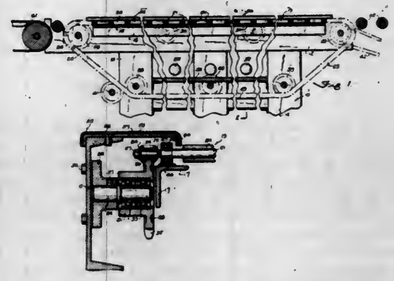
2,257,229
FURNACE
John L. Drake, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application September 23, 1937, Serial No. 165,269
4 Claims. (Cl. 110—56)



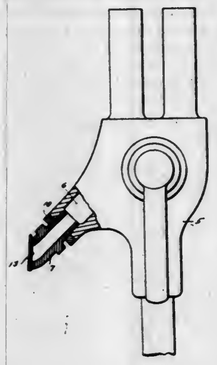
1. The combination with a furnace including reversible regenerative heating means comprising checker-chambers communicating with opposite sides of the furnace and brick checker-work arranged in said checker-chambers, of a heating chamber arranged alongside of each checker-chamber outwardly thereof for receiving outside air in one end thereof and in which said air is preheated by the heat dissipated through the adjacent side wall of said checker-chamber, means for receiving the preheated air from the opposite end of said heating chamber and delivering it to said checker-chamber, and means associated with said last-named means for shutting off the supply of preheated air from said heating chamber to said checker-chamber and for also preventing the flow of products of combustion from said checker-chamber to the said heating chamber upon reversal of the regenerative heating means.

2,257,230
GLASS INSPECTION APPARATUS
John L. Drake, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application February 6, 1939, Serial No. 254,834
5 Claims. (Cl. 198—183)

1. In an apparatus for the inspection of sheets or plates of glass, a conveyor comprising a plurality of spaced parallel rods for supporting the glass sheets or plates, shafts upon which said rods are fixedly mounted, means for connecting said shafts in endless formation so that they have bodily but non-rotatable movement, means for driving said conveyor to move said shafts and rods bodily forwardly, means for supporting the upper run of the conveyor in horizontal position, rollers loosely mounted upon the said shafts and adapted to travel upon said supporting means, and guard members arranged along opposite sides of said conveyor, each guard member comprising a substantially horizontal portion disposed above the respective means for connecting said shafts in endless formation and a downturned inner end portion for preventing the glass sheets or plates from sliding transversely off of said rods.



2,257,231
VENT PROTECTOR FOR AIR BRAKE PRESSURE RETAINING VALVES
Elmer A. Frey, Lansing, Ill.
Application March 12, 1941, Serial No. 382,988
2 Claims. (Cl. 303—1)



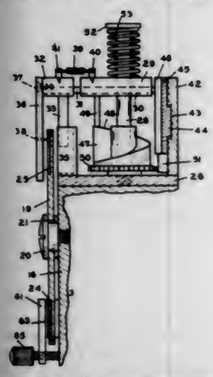
1. A protector for the discharge port of air brake pressure retaining valves comprising a tubular member adapted for attaching to the discharge port and having the surface of its outer end disposed substantially in a vertical plane, a cover hingedly attached to the upper edge of said outer end of said tubular member and normally gravitating into closed position and vents formed in said tubular member having free communication with the interior thereof at all times.

2,257,232
LIGHT PROJECTOR
Edward F. Flint, Rochester, and John R. Miles, Brighton, N. Y., assignors to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application July 21, 1939, Serial No. 285,768
5 Claims. (Cl. 240—47)



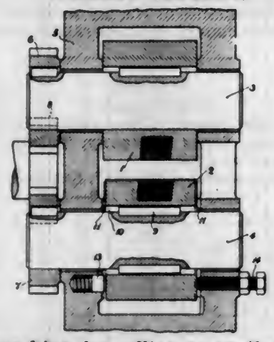
2. A light projector having a housing formed of heat absorbing material, a lamp within said housing, a metallic heat absorbing mass providing a shield partially surrounding said lamp and so positioned as to form a narrow passageway between the lamp and the side of said mass adjacent thereto, the side of said mass adjacent to said lamp provided with a dulled surface having longitudinal fins thereon, a second metallic heat absorbing mass forming a base for said projector, means connecting said heat absorbing masses whereby heat absorbed by said first-mentioned mass is transmitted by conduction to said second-mentioned heat absorbing mass, the side of said first-mentioned heat absorbing mass away from said lamp and also the interior of said housing each provided with a brightened surface, the exterior of said housing provided with a dulled surface and means utilizing convection currents for ventilating the housing by drawing air into the housing and passing said air through said passageway and also through that part of the housing exterior to and surrounding said lamp and first-mentioned heat absorbing mass and then out of said housing.

2,257,233
RECORDING INSTRUMENT
George B. Gallasch, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application November 13, 1939, Serial No. 303,951
6 Claims. (Cl. 234—1)



5. In a measuring instrument having a part movable in accordance with the quantity measured and movable means for actuating said part, the combination of a recording device comprising a disk rotatably mounted on said instrument and having an annular groove, means for operatively interconnecting said disk and said movable means whereby movement of said movable means causes rotation of said disk, a soft plastic material positioned in said groove, a stylus movably mounted on said instrument adjacent said disk, means for moving said stylus into said material to make a depression in said material, and means for moving said stylus transversely of said groove when said stylus is withdrawn from contact with said plastic material.

2,257,234
MACHINE FOR ROLLING SCREW THREADS
George Gould, Birmingham, England, assignor to Wolseley Motors Limited, Birmingham, England
Application January 11, 1940, Serial No. 313,305
In Great Britain December 4, 1939
4 Claims. (Cl. 80—6)



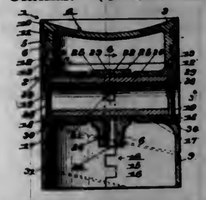
1. A machine for rolling screw-threads comprising two threading rolls having opposed peripheries spaced apart mounted to revolve at different peripheral speeds about parallel axes so as to cause a work-piece to be fed or drawn laterally between the rolls, and means for positively driving said rolls in the same direction: one of said rolls being rotatable in a fixed plane and the other one being free to slide axially relatively to the other to ensure a constantly-correct thread relationship between the rolls throughout the movement of the work-piece between them.

2,257,235
KNITTED FABRIC
Hans Grimm and Oskar Kempf, Possneck, Thuringia, Germany
Application March 30, 1938, Serial No. 198,904
In Germany February 11, 1938
2 Claims. (Cl. 66—169)



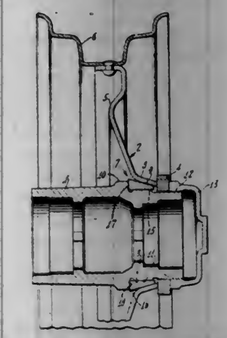
1. A ladder-proof knitted web comprising wales and courses wherein in each wale each loop is drawn twice through the loop of the preceding course at walewise spaced points and intermediate said spaced points the loop of the following course is drawn through said first mentioned loop.

2,257,236
PISTON
Joseph Bennett Hayden, Greensburg, Pa.
Application July 29, 1939, Serial No. 287,397
7 Claims. (Cl. 309—12)



1. In combination, a piston comprising a sectional body adapted to operate in the cylinder of an engine having an oiling system, means embodied in the piston constituting an expansion chamber of which portions of the sections are a part, and means to conduct oil from said system under pressure induced by the operation of the engine to said chamber to displace said portions and force the sections against the cylinder wall during said operation.

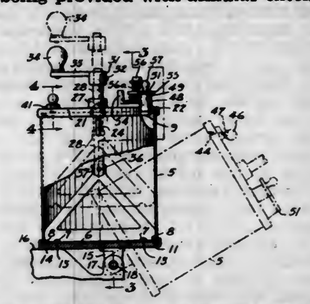
2,257,237
WHEEL STRUCTURE
Joseph L. Hecht, Davenport, Iowa, assignor to French & Hecht, Incorporated, a corporation of Iowa
Application December 28, 1940, Serial No. 372,078
9 Claims. (Cl. 301—9)



1. In a wheel structure, the combination with a hub and a wheel body, of a member removably mounted on the hub and comprising a support for the wheel body, said member being formed with an inclined bearing surface arranged in wedging engagement with the wheel body, and means securing said member and wheel body on the hub, said hub, wheel body and member being formed so that the member and wheel body may be mounted on the hub in different positions axially relatively thereto.

2,257,238
DISPENSING APPARATUS
Paul L. Hexter, Cleveland Heights, Ohio
Application December 14, 1939, Serial No. 309,253
5 Claims. (Cl. 221—67)

1. In a dispensing mechanism including a hinged base portion, an open top container mounted on the base portion and a closure means mounted on the container, and means for rigidly securing the closure means and container to the base portion, the base of the container having annular extended and indented surface portions, the base portion of the dispensing mechanism being provided with annular extended and

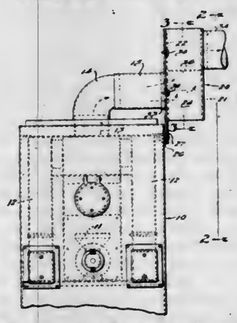


indented portions on its surface, the said portions registering with the annular indented and extended surfaces of the container when the container is secured to said base portion.

2,257,239
PROCESS FOR IMPROVING FIBROUS MATERIALS
Hans Krzikalla and Richard Armbruster, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application November 7, 1938, Serial No. 239,340. In Germany November 12, 1937
6 Claims. (Cl. 8—113)

5. A process for improving the reactivity of fibrous material which comprises treating fibrous material with a water-soluble condensation product of a salt of a nitrogenous compound containing at least one hydrogen atom attached to nitrogen and selected from the class consisting of ammonia, aliphatic and aryl amines, a low molecular weight aliphatic aldehyde and a ketone containing a group selected from the class consisting of activated methyl and methylene groups.

2,257,240
DRAFT DIVERTER
Allen P. Livar, Dayton, Ohio, assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application November 6, 1940, Serial No. 364,562
4 Claims. (Cl. 126—307)



1. A draft diverter for a gas burning appliance having a smoke outlet comprising a casing open

at the bottom and having substantially parallel front and rear walls spaced apart substantially the diameter of the smoke outlet, said rear wall having an inlet opening therethrough of substantially the same diameter as the diameter of the smoke outlet of the appliance and said front wall having an outlet opening therethrough of substantially the same diameter as the diameter of the smoke outlet, said inlet opening being located in the lower portion of said rear wall and having its center substantially on the vertical centerline of said casing, said outlet opening being located in the upper portion of said front wall and having its center located on the vertical centerline of said casing at such a height above the center of said inlet opening that the outlet opening is entirely above the inlet opening, and a substantially semi-cylindrical baffle extending from front to rear of said casing and substantially coaxial with said inlet opening, with an end of said baffle closely adjacent the upper edge of said inlet opening, the width of said casing at the horizontal diameter of said inlet opening being such as to provide a free area at each side of said baffle equal to at least one-half the area of said inlet opening.

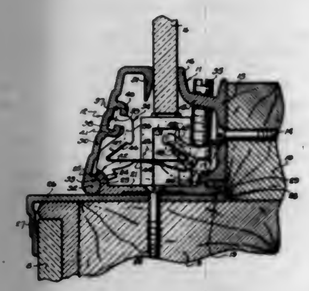
2,257,241

SASH AND STORE FRONT CONSTRUCTION

Clyde D. Lowry, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

Application November 30, 1938, Serial No. 243,212

10 Claims. (Cl. 20—56.4)



1. In a sash or store front construction, the combination of a fixed section and a movable section adapted to receive and grip a pane of glass therebetween, said fixed section including a horizontal base plate provided at its outer end with an upstanding flange having a curved front surface while said movable section is disposed in front of said upstanding flange and is provided at its lower end with a curved rear surface engaging the curved front surface of the said flange and adapted to fulcrum thereon, a clip member carried by said movable section and including a spring portion, an adjusting member carried by said fixed section and engaging said clip member for flexing the spring portion thereof to rock the said movable section with respect to the said fixed section to yieldably clamp the pane of glass in position therebetween, and a positive stop means on said fixed section engageable by said clip member for limiting the flexing movement of the spring portion of the said clip member to prevent further tightening of said adjusting member when a substantially predetermined clamping pressure is applied to the glass.

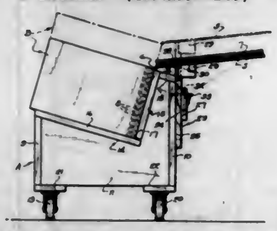
2,257,242

PACKING BENCH

Donald F. Mercer, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

Application December 13, 1939, Serial No. 308,918

8 Claims. (Cl. 226—129)



1. A packing bench comprising means for supporting a shipping box adapted to receive articles to be packed therein including an upwardly and rearwardly inclined back member and a bottom member inclining rearwardly and downwardly to said back member and cooperating therewith to form a cradle for receiving said shipping box, said box being provided with a top connected to one side thereof, and means carried by said box supporting means for supporting the top of the said box in open substantially horizontal position to form a platform for receiving a stack of paper sheets which are to be used in the packing of the articles.

2,257,243

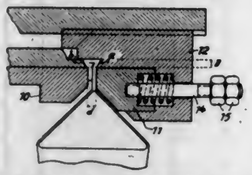
METHOD AND APPARATUS FOR CLOSING PAPER CONTAINERS

Günther Meyer-Jagenberg, Dusseldorf, Germany

Application May 17, 1939, Serial No. 274,303

In Germany May 23, 1938

10 Claims. (Cl. 93—6)



1. A method of sealing the open end of a paper container where the walls of such open end are united and formed in a part-length return bend consisting in forming the return bend laterally, and exerting endwise pressure upon the free end of the lateral portion while confining such lateral portion against vertical displacement in either direction.

2,257,244

OIL AND WATER SEPARATOR

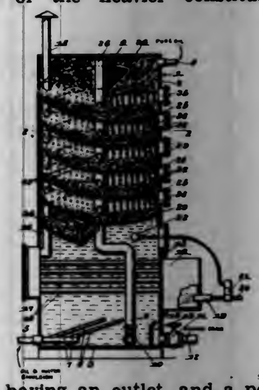
Carl C. Oehler, Kilgore, Tex.

Application April 6, 1939, Serial No. 266,442

6 Claims. (Cl. 210—47)

1. A separator comprising a casing, an inlet at one end of the casing for the introduction of emulsified liquid comprising heavy and light constituents, a partition consisting of a succession of stationary helices connected end to end in a portion of the casing defining a helical channel, means coupled directly to the casing at the other end for conducting away the lighter constituents, a standpipe constituting the core of the helical partition having longitudinally spaced openings

communicating with the channel for the inflow therefrom of the heavier constituents, said



standpipe having an outlet, and a porous substance situated in said channel to retard the flow of liquid and assist in the separating action.

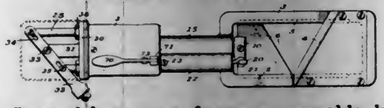
2,257,245

DEHORNING DEVICE

Faucette S. Rudolph, Yuma, Ariz.

Application March 12, 1940, Serial No. 323,628

8 Claims. (Cl. 30—241)



8. In a dehorner, a frame, a movable knife adapted to slide in said frame, and a movable feeder adapted to slide over said frame, a piston directly attached to said knife and to said feeder through the medium of a flexible cable whereby the said feeder envelopes said knife when the said piston is actuated.

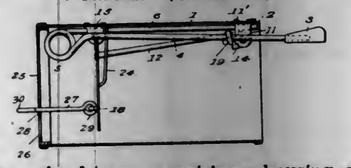
2,257,246

ANIMAL TRAP

Faucette S. Rudolph, Yuma, Ariz.

Application March 4, 1941, Serial No. 381,737

7 Claims. (Cl. 43—81)



1. An animal trap comprising a housing, a coil spring having elongated parallel arms and secured by one of said arms within to the inner wall of said housing, the other free arm of said spring normally resting against the opposite wall of said housing, a transverse cross bar secured to said free arm at a point within said housing, a pivoted trigger bar mounted within said housing adjacent the said fixed spring arm, a pivoted trigger release plate suspended from the said housing adjacent the said coil spring, an opening in said pivoted release plate for the reception of one end of the said trigger bar, the other end of said bar adapted to engage the said transverse cross bar when the said free spring arm is flexed toward the other arm of said spring and the trap is in set position.

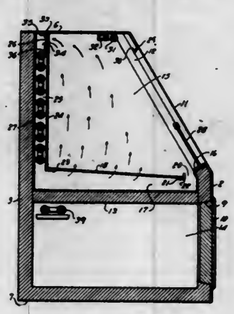
2,257,247

VEGETABLE DISPLAY CASE

Raymond H. Starr, Clarence Masters, and John D. Hall, Kansas City, Mo., assignors to Koch Butchers' Supply Company, North Kansas City, Mo., a corporation of Missouri

Application September 15, 1939, Serial No. 295,082

3 Claims. (Cl. 62—89.5)



1. A device of the character described including a case having rear, side and top walls and a front wall portion provided with an unobstructed opening through which access is had to a display compartment formed by said walls, a foraminated support spaced from the bottom of the compartment, a partition spaced from the rear wall to form a refrigerating chamber having connection with said compartment above and below the foraminated support, a refrigerating element in said chamber, and a damper selectively closing said connection above the foraminated partition.

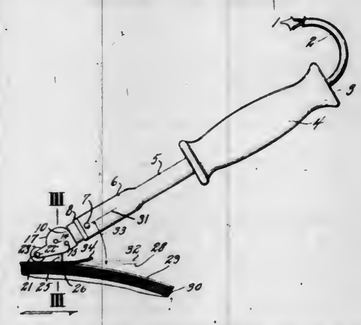
2,257,248

TOOL HEAD

Louis T. Taylor, Maumee, Ohio

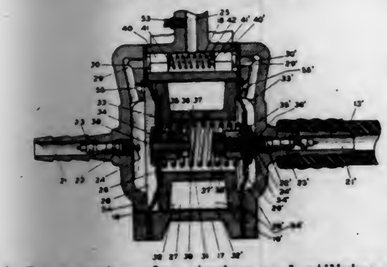
Application September 13, 1939, Serial No. 294,674

3 Claims. (Cl. 30—140)



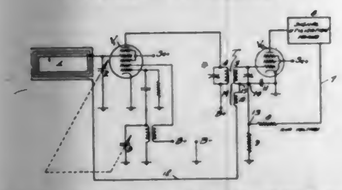
1. A tire groover comprising a handle, a cutting head projecting from the handle and having vertical slot-providing means and horizontal passages. a U-shaped cutter having the legs thereof received by the slots, threaded means, and a wheel, there being parallel extension means from the head adapted to be engaged by said threaded means coacting to clamp the legs of the U-shaped cutter in the slots and position the wheel in advance of the thrust tool for supporting the head above the surface of the tire to be grooved by the cutter.

2,257,249
AUTOMATIC CHANGE-OVER DEVICE
Rosswell W. Thomas, Birmingham, Mich., assignor to Phillips Petroleum Company, a corporation of Delaware
Application July 18, 1938, Serial No. 219,866
13 Claims. (Cl. 62—1)



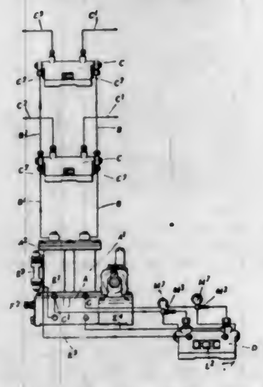
1. In a system for storing and utilizing high pressure gas, the combination comprising a pair of containers for said gas, a conduit connected between said containers, a consumer's service line connected to said conduit, a pair of valves in said conduit, one of said valves on each side of said service line, a pair of diaphragms in said conduit, one of said diaphragms associated with one of said valves, the other said diaphragm associated with the other said valve, a spring intermediate said diaphragms for opening said valves, and a movable member operable from the exterior of said conduit for co-acting with said diaphragms so that whichever one of said valves desired will open at a lower pressure than the other.

2,257,250
LOOP EQUIPPED RADIO RECEIVER
Charles Travis, Wyndmoor, Pa., assignor to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application May 16, 1940, Serial No. 335,581
In Great Britain May 30, 1939
8 Claims. (Cl. 250—20)



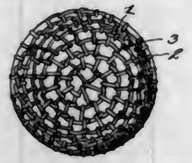
1. A radio receiver of the superheterodyne type comprising in cascade, a resonant loop antenna circuit, said circuit having at least a loop antenna winding and a variable condenser for tuning said circuit over a predetermined band of radio frequencies, a frequency converter stage providing an intermediate frequency signal which lies outside of and below said band of frequencies, an intermediate frequency coupling network and an intermediate frequency amplifier, and a radio frequency feedback path connected between the output circuit of said frequency converter stage and said loop antenna circuit for producing regeneration at said radio frequencies, said feedback path being constructed and arranged to provide maximum feedback at the low frequency end of the said band of frequencies, said feedback decreasing substantially as the high frequency end of the said band is approached.

2,257,251
DISTRIBUTING APPARATUS OF THE PISTON AND CYLINDER TYPE
Frank Newton Trier and Paul Faulkner Crothers, London, England, assignors to Trier Bros. Limited, London, England, a company of Great Britain
Application November 1, 1938, Serial No. 238,292
In Great Britain November 3, 1937
10 Claims. (Cl. 184—7)



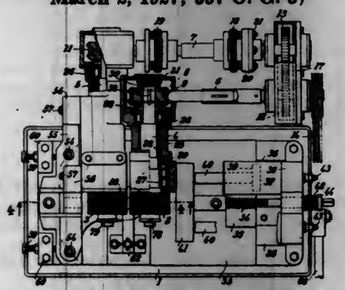
1. Distributing apparatus of the piston and cylinder type for liquid and semi-liquid substances including in combination two similar cylinders, a free piston in each cylinder dividing it into two chambers, inlet and delivery passages for the substance to be distributed communicating with one chamber of each cylinder, pump apparatus for delivering operating liquid at a determined rate to the other chamber of one cylinder and simultaneously withdrawing operating liquid from the other chamber of the other cylinder and means subject to and actuated by an increase in the pressure in the cylinder to which operating liquid is at the moment being delivered when movement of the piston in that cylinder is prevented for automatically causing reversal of flow of the operating liquid.

2,257,252
BALL
Benjamin R. Vorbusch, New Orleans, La.
Application July 1, 1939, Serial No. 282,465
1 Claim. (Cl. 273—58)



A cover for a ball having a spherical shape, said cover being formed from a single strand spirally formed from one pole of the ball to the other and in a chain stitch including connecting stitches between adjacent convolutions of the spiral stitches, loops forming the connections between the connecting stitches and the spiral stitches, said loops extending into the ball a substantial distance below the surface thereof and entirely embedded beneath the surface of the ball body along the line of spiral.

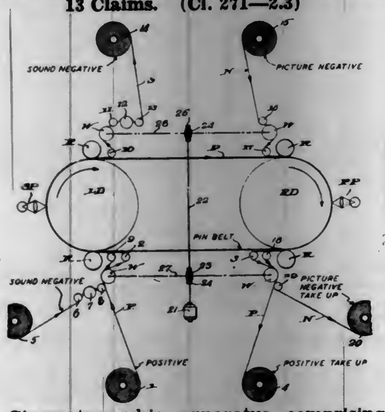
2,257,253
SCREW THREADING MACHINE
Wilhelm Wemhöner and Werner Plagemann, Berlin, Germany
Application June 20, 1938, Serial No. 214,733
In Germany June 19, 1937
12 Claims. (Cl. 80—6)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)



1. In a screw threading machine, comprising a pair of roller dies placed one beside the other in position for receiving a blank between the same, shafts on which said roller dies are mounted, common driving means for said shafts, and driving connections between said driving means and each of said shafts, the improvement herein described which consists in a separable coupling arranged in the connection between the driving means and one of said shafts, said coupling when disengaged permitting the rotation in circumferential adjustment of one of the said roller dies relatively to the other.

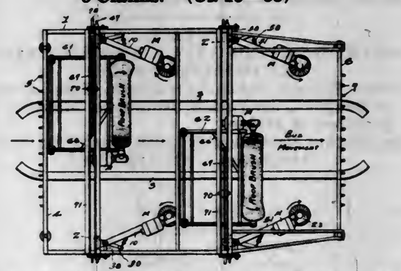
7. In a screw-threading machine that includes a pair of roller dies formed with external screw threads, arranged in parallelism, and adapted to receive between them a blank to be threaded, means for rotating the dies, and means for advancing one of the dies toward the other as operation progresses, the improvement that consists in a support adapted to hold a blank to position to be operated upon by said dies, the support being movable in a direction transverse to the axes of the roller dies.

2,257,254
CINEMATOGRAPHIC APPARATUS
Lloyed E. Whittaker, Los Angeles, Calif., assignor to Technicolor Motion Picture Corporation, Los Angeles, Calif., a corporation of Maine
Application September 10, 1940, Serial No. 356,122
13 Claims. (Cl. 271—2.3)



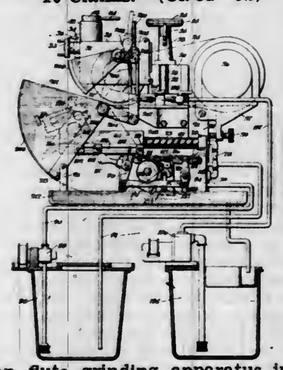
1. Cinematographic apparatus comprising a film carrier having an endless series of teeth for engagement in register holes of the film, means for guiding the carrier for movement of the teeth along an orbital path, means for feeding film to and from the carrier, at spaced locations along said path, including film drivers at points spaced from the carrier, one driver engaging the film as it approaches the carrier and the other driver engaging the film as it leaves the carrier, and means for actuating said drivers in synchronism, said carrier being free to be driven by the film, whereby the film feeds freely to and from the carrier.

2,257,255
VEHICLE WASHER
Frank B. Yingling, Hamilton, Ohio
Application February 28, 1938, Serial No. 193,173
8 Claims. (Cl. 15—53)



1. In a vehicle washer, the combination with a main frame and an upright hinge post, of a brush frame comprising upper and lower rectangular sections, ball and socket joints supporting said sections comprising a pair of vertically spaced brackets rigid with the main frame and bearing balls mounted on said brackets, said balls having openings therethrough for the post, a socket member rigid with the upper inner end of each section and having openings for said post, a swivel pin mounted in bearings and connecting said sections at their outer free ends, an articulated set of brushes mounted on the free ends of the sections, and means for rotating the brushes.

2,257,256
FLUTE GRINDING APPARATUS
Albert A. Herrick and Earl R. Koons, Greenfield, Mass., assignors to Greenfield Tap and Die Corporation, Greenfield, Mass., a corporation of Massachusetts
Application May 28, 1938, Serial No. 210,563
10 Claims. (Cl. 51—92)



7. Tap flute grinding apparatus including a grinding wheel rotating in a vertical plane, a

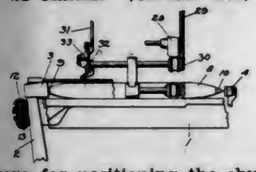
stationary frame, a main housing support vertically adjustable on said frame toward and away from said grinding wheel, a carriage frame horizontally reciprocable on said main housing support parallel to the plane of said grinding wheel, a work holder carried by said carriage frame and transversely adjustable by a movement in a plane at right angles to the plane of said grinding wheel to position the tap carried by said holder longitudinally in contact with said wheel, means carried by said main housing support substantially in the plane of the grinding wheel for reciprocating said carriage frame and moving the tap back and forth with its flute in contact with the periphery of the grinding wheel, and means for automatically moving said main housing support vertically by the reciprocating movement of said carriage frame so as progressively to feed the tap against the grinding wheel.

2,257,257

METHOD OF AND GAUGE FOR ADJUSTING AUTOMATIC LOOMS

Harold Hoeber, South Dartmouth, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine

Application November 14, 1940, Serial No. 365,719
21 Claims. (Cl. 139—380)



1. A gauge for positioning the shuttle of the usual automatic filling replenishing loom relative to the magazine thereof, said gauge comprising means in said shuttle forming an abutment, a member adapted to be mounted in said magazine and means carried by said member for engaging said abutment and thereby holding said shuttle in operative position relative to said magazine.

2,257,258

NONJAMMING ROLLING SURFACE FOR WOBBLER MECHANISMS

Wichert Hulsebos, Laren, Netherlands, assignor to Naamlooze Vennootschap: Hulsemo, Utrecht, Netherlands

Application October 30, 1937, Serial No. 171,994
In the Netherlands November 12, 1936
4 Claims. (Cl. 308—135)



1. In an axial thrust bearing for the crankshaft of a wobbler engine of the type having an inclined crank fixed between two aligned straight portions upon said crankshaft, there being bearings for said aligned portions, and a wobbler element bearing on said crank, the feature including a stationary bearing member comprising a generally annular thrust bearing pressure surface portion concentric with and surrounding the main axis of rotation of the crankshaft, and a corresponding movable bearing member adapted to be located upon the crank with said wobbler element and including a second annular thrust bearing pressure surface portion concentric with and surrounding the inclined axis of the inclined crank and making rolling contact against said stationary pressure surface portion, said stationary pressure surface having a surface form which converges towards the straight portion of the crankshaft adjacent the point at which said inclined crank directly joins said straight portion so that said stationary pressure surface portion will serve as an end bearing or abutment for the pressure surface on the wobbler element against outward radial displacement of the latter, the angles between tangents extended in a plane coinciding with the crank axis from said stationary pressure surface portion and the pressure surface portion of the crank on which the wobbler element bears being at least twice the angle of friction between the contacting pressure surface portions and the wobbler element and crank surface respectively.

2,257,259

HIGH FREQUENCY COMMUNICATION CABLE

Bunzaemon Inoue, Osaka, Japan, assignor to Sumitomo Denki Kogyo Kabusiki Kaisya, Osaka, Japan

Application October 26, 1938, Serial No. 237,071
In Japan November 2, 1937
3 Claims. (Cl. 174—28)



1. A high frequency communication cable comprising at least one inner conductor and an outer conductor, said inner and outer conductors being separated and insulated by spacers of substantially circular cylindrical shape, each of said spacers being composed of a plurality of associated circular cylindrical segments and each of said segments having a single wall segment on the inside thereof provided with a notch, the wall segments mating to form a single wall extending across one portion of the spacer and the notches mating to form an aperture for the passage of the inner conductor.

2,257,260

AIRFOIL

Alexander Kartvelichvili, North Hempstead, N. Y., now by judicial change of name Alexander Kartveli, assignor to Seversky Aircraft Corporation, a corporation of Delaware

Application August 27, 1938, Serial No. 227,099
4 Claims. (Cl. 244—35)



1. An airfoil-section having an essentially sharp entering edge; bi-convex forward, central and aft-central portions, and a bi-concave trailing edge portion.

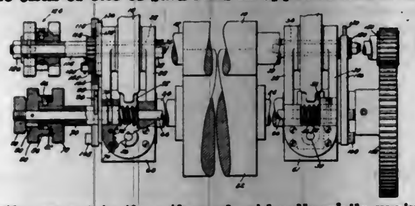
2,257,261

APPARATUS FOR COATING

Cutler D. Knowlton, Beverly, Mass., assignor, by mesne assignments, to Hoague-Sprague Corporation, Lynn, Mass., a corporation of Massachusetts

Application November 24, 1939, Serial No. 305,945
9 Claims. (Cl. 91—50)

1. A coating mechanism comprising a coating-supplying roll, an applying roll receiving coating substance from the supplying roll, and unitary mechanical means for simultaneously adjusting the ends of one of said rolls in opposite directions



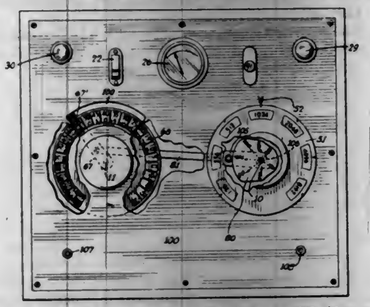
with respect to the other of said rolls while maintaining equal pressures at the opposite ends of said rolls.

2,257,262

AUDIOMETER

Heiman W. Koren, Bronx, N. Y., assignor to Sonotone Corporation, New York, N. Y., a corporation of New York

Application June 7, 1939, Serial No. 277,882
10 Claims. (Cl. 179—1)



1. In an audiometer, an electric oscillation generator, a frequency selector including a frequency scale for selectively determining the frequency of the oscillations in accordance with the position of the frequency selector as indicated on the frequency scale, a receiver, an attenuator network connected between the oscillation generator, and an attenuation regulator including an attenuation scale for adjusting the degree of the attenuation of the sound output of the receiver in accordance with the position of the attenuation regulator as indicated on the attenuation scale, said frequency selector, said network, and said attenuation regulator being so arranged and correlated as to enable accurate regulation of the sound intensity delivered by the receiver at each selected frequency with a single attenuation scale.

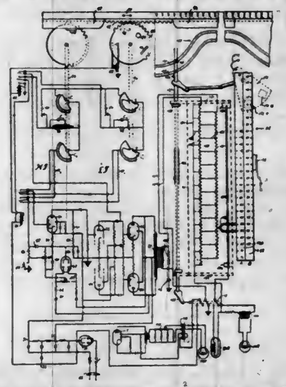
2,257,263

AUDIOMETER

Heiman W. Koren, Bronx, N. Y., assignor to Sonotone Corporation, Elmsford, N. Y., a corporation of New York

Application August 1, 1940, Serial No. 349,045
55 Claims. (Cl. 179—1)

1. In an apparatus for measuring hearing or the like, the combination of: an electric oscillation source element including relatively movable frequency control means having a frequency scale operatively arranged for adjusting the frequency of the oscillations over a predetermined frequency range in accordance with the indication on the frequency scale; a receiver element for converting the electric oscillations of said source into sound energy; an attenuation element including relatively movable attenuation control means having an attenuation scale for adjusting the magnitude of the electric oscillations supplied to said receiver element in accordance with the indication on the attenuation scale; said attenuation scale being calibrated to indicate variations of the sound energy from a level varying unequally over the range of the



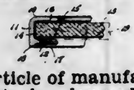
frequency scale between a minimum value at an intermediate frequency and higher values at frequencies below and above said intermediate frequency; and intercoupling means including a mechanism interlinking a movable part of one of said control means and a movable part of the other of said control means operative in a predetermined manner to unequally modify in opposite directions the magnitude of the oscillations supplied to the receiver at different frequencies.

2,257,264

COASTER FRAME

De Witt C. Le Fevre, Beaver Falls, N. Y., assignor to Beaverite Products, Inc., Beaver Falls, N. Y., a corporation of New York

Application June 3, 1940, Serial No. 338,577
2 Claims. (Cl. 65—53)



1. As a new article of manufacture a frame for a coaster plate to be clamped into said frame, said frame comprising a side wall, a top rim projecting to the inside of said side wall, and projections spaced from each other and said top rim on the inside of said side wall, the surface of said projections opposite the inside surface of said top rim sloping to the inside of said side wall away from said top rim, the shortest distance between said surfaces of said projections and top rim being less than the thickness of a coaster plate to be pressed between them.

2,257,265

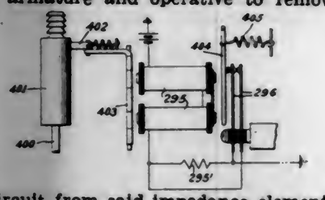
RELAY CONTROL

Clarence Ernest Lomax, Oak Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application April 22, 1938, Serial No. 203,474
2 Claims. (Cl. 175—320)

1. In an automatic switch including a ratchet and pawl operating mechanism, an operating magnet having a pole face, a pawl operating

armature adapted to be moved toward said pole face upon energization of said magnet, a circuit for energizing said magnet, said circuit including a normally short-circuited impedance element, means for completing said circuit, a second armature adapted to be attracted by said magnet upon energization, contacts controlled by said second armature and operative to remove the



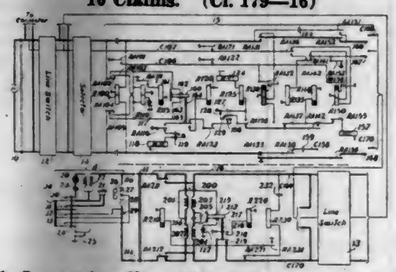
short circuit from said impedance element, said second armature being so constructed and arranged as to cause said short circuit to be removed from said impedance element before the movement of said first-named armature is completed, whereby the energization of said magnet is reduced during movement of said first-named armature.

2,257,266

SIGNALING APPARATUS

Clarence E. Lomax, Oak Park, and Arthur Bessey Smith, Evanston, Ill., assignors to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application April 27, 1939, Serial No. 270,390
10 Claims. (Cl. 179—16)



1. In a signaling system, a connecting link adapted for use in establishing connections between the lines of the system and comprising, in combination, a body supported to permit movement of at least a portion thereof, means for impressing a voltage between predetermined points of said body, means for shunting said predetermined points of said body, thereby to change the voltage across said predetermined points, said body being comprised of a material such that a portion of said body moves in response to changes in the voltage impressed between said predetermined points, and apparatus comprising circuit means controlled in accordance with the movement of said body for forwarding a connection routed by way of said link.

2,257,267

PERCUSSIVE TOOL

Agne T. Lundgren, Trollhattan, Alvsborgs Lan, Sweden, and Allan B. Rogers and Vladimir H. Pavlecka, Santa Monica, Calif., assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif., a corporation of Delaware

Application May 6, 1938, Serial No. 206,364
11 Claims. (Cl. 121—21)

10. In an air hammer of the character described, the combination of: a cylinder; a piston movable in said cylinder from the rear end thereof to the front end thereof to deliver an impact; mechanical restraining means engaging said piston and said cylinder so as to hold said piston in a position near the rear end of said



cylinder; a valve to deliver fluid under pressure to the rear face of said piston; a member operable to open said valve; and means operable by said member to release said restraining means after said valve is initially opened.

2,257,268

DRINKING FOUNTAIN HEAD

Eugene W. Marchand, Jr., Maywood, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois

Original application November 22, 1937, Serial No. 175,805. Divided and this application August 16, 1939, Serial No. 290,412
3 Claims. (Cl. 299—15)



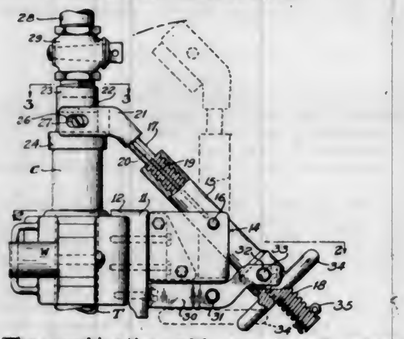
1. In a drinking fountain head adapted to provide a curving column of water, the said head comprising a casing having a discharge aperture, a plate member movably mounted transversely in relation to the said aperture, an apertured hooded shield superposed above the said plate member, the said plate having extension means for deflecting the flow through the aperture of the said shield, the said plate forming part of the discharge aperture, and upon transverse movement relative to the said casing determining the size of the said discharge aperture.

2,257,269

TUBING PLUG

Harry C. Marsh and William M. Quilter, Long Beach, Calif.

Application October 7, 1940, Serial No. 360,000
5 Claims. (Cl. 138—90)



1. The combination with an oil well tubing

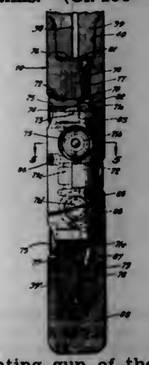
elevator, of a support secured to said elevator, a tube pivotally mounted on said support, a member passing through said tube, manually operable means for moving said member lengthwise through said tube and a cap loosely mounted on the upper end of said member for engaging the upper end of the tubing carried by said elevator.

2,257,270

GUN PERFORATOR FOR WELL CASINGS

Ira J. McCullough, Los Angeles, Calif.

Application November 14, 1939, Serial No. 304,333
19 Claims. (Cl. 164—0.5)



1. In a perforating gun of the character described, the combination of: a gun body having a plurality of gun bores spaced longitudinally thereof, a plurality of firing charge chambers longitudinally spaced therein and having operative connection with said gun bores, passage means serially connecting said firing charge chambers, there being side openings connecting said passage means with the exterior through the side wall of said gun body; firing charges in said firing charge chambers; projectiles in said gun bores; means for firing at least one of said firing charges; and restraining means inserted in said passage means through said side openings.

2,257,271

PERFORATING GUN WITH SERIAL FIRING MEANS

Ira J. McCullough, Los Angeles, Calif.

Application February 10, 1940, Serial No. 318,297
12 Claims. (Cl. 164—0.5)



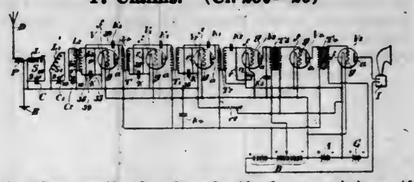
1. In a perforating gun of the character described, the combination of: a body having gun bores therein to receive projectiles, a plurality of powder chambers and passage means serially connecting said chambers so that ignition will be transmitted serially from one chamber to another; a powder charge in each of said chambers; means for setting off one of said powder charges; and check valves in said passage means to prevent reverse flows of gas therethrough.

2,257,272

RADIO RECEIVING SYSTEM

John M. Miller, Philadelphia, Pa., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application November 24, 1926, Serial No. 150,571
17 Claims. (Cl. 250—20)



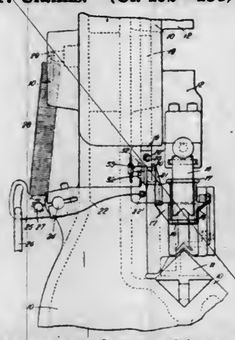
1. The method of selectively receiving the transmission band of a modulated signal wave which consists in applying the signal energy to a receiving system, balancing the reactances of the system in pairs at one limiting frequency, balancing the unbalanced reactances of the pairs at another limiting frequency by a reactance common to both pairs, thereby receiving with substantial uniformity all frequencies in the band included between these limiting frequencies, and varying the position of the band of reception in the frequency scale by simultaneously and similarly varying the balanced reactances.

2,257,273

SAFETY DEVICE OR GUARD FOR MACHINES

John Irving Nasmith, Chislehurst, England, assignor to Vickers-Armstrongs Limited, London, England, a British company

Application April 19, 1939, Serial No. 268,698
In Great Britain April 21, 1938
17 Claims. (Cl. 192—134)



1. A guard system for machines of the type having operating parts to be shielded, a driving clutch for communicating movement from drive means to said operating means, a guard operable as a part of every operative cycle of the machine and adapted to control the driving clutch and an operator's control inter-connected with said guard, said system including a pair of co-acting members having mutually engageable surfaces

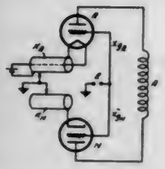
which when in entire mutual contact prevent engagement of the clutch and means interposed between the guard and one of said members serving to ensure that said members can only be disengaged to allow engagement of the clutch by virtue of a relative movement over the whole of the mutually corresponding engaging surfaces of said members subsequent to the guard coming to rest in a safe position in any one of a predetermined range of safe positions with respect to the aforesaid operating parts.

2,257,274

AMPLIFIER CIRCUIT ARRANGEMENT FOR ULTRA-SHORT WAVES

Ernst Rahn, Berlin-Spandau, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application February 4, 1939, Serial No. 254,536
In Germany February 5, 1938
1 Claim. (Cl. 179—171)



In an amplifier circuit especially adapted for ultra-high frequencies, a first tube having an anode, a cathode and a grid electrode, a second tube having substantially similar characteristics as said first tube, said second tube having an anode, a cathode and a grid electrode, a connection having inherent inductance between said two grid electrodes, a pair of input terminals across which the energy to be amplified is applied, one of said terminals being connected to a point of fixed potential, the other thereof to an intermediate point of said inherent inductance, an output impedance device connected between said two anodes, said inherent inductance causing in the operation of said amplifier a potential to be impressed upon the first grid which fluctuates in response to potential fluctuation across said output impedance, inductance means consisting of a pair of parallel conductors connecting said two cathodes individually to a point of fixed potential, said parallel conductors having individual adjustments of length to provide individual inductance values such that in the operation of said amplifier there is impressed upon the cathode of the first tube a potential which is of substantially the same magnitude as the potential impressed upon said first named grid electrode and which also fluctuates in response to the potential fluctuations across said output impedance.

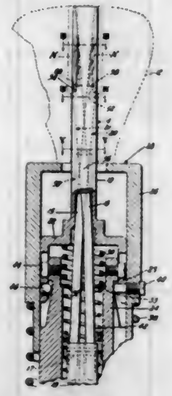
2,257,275

APPARATUS FOR USE IN SHOEMAKING

Fred Ricks and William Neil Bray, Leicester, England, assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application November 3, 1939, Serial No. 302,630
In Great Britain November 29, 1938
4 Claims. (Cl. 1—32)

1. A nailing device comprising a spindle adapted to be received in a bore in a last in a shoe, said spindle having two longitudinally extending passages from which nails are driven and said passages being inclined to one another to constrain the nails to enter the work in outwardly diverging paths, and driver rods extending into said passages for driving the nails, said



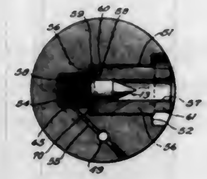
driver rods crossing one another at a point spaced from said passages so that the driving end of one rod is located at the opposite side of the driving end of the other rod to that at which the driven end of the first rod is located with respect to the driven end of the second rod.

2,257,276

PERFORATING GUN AND PROJECTILE THEREFOR

Waldo S. Reynolds, Los Angeles, Calif., assignor to Ira J. McCullough, Los Angeles, Calif.

Application March 14, 1938, Serial No. 195,759
4 Claims. (Cl. 89—1)



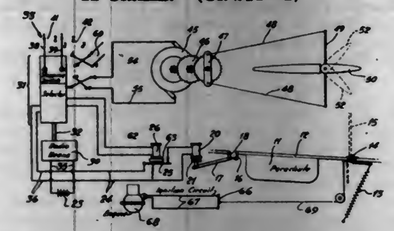
1. In a projectile and barrel assembly for a casing perforator having a body with an opening leading inward from a face thereof, said opening comprising a counterbore with an outwardly faced shoulder at the inner end thereof and a pressure chamber inward of said shoulder, the combination of: a barrel securable in said counterbore and having an inner end face confronting said shoulder and having a bore flared at its inner end; and a projectile having a flange projecting radially from its inner end so as to be gripped between said shoulder and said end face of said barrel with the portion thereof which lies forward of said flange extending within said bore, at least one radial face of said flange having a coating of relatively soft material thereon, a portion of said relatively soft material forming a conoidal enlargement to occupy the flared portion of said bore.

2,257,277

RADIO CONTROLLED RECOVERY MEANS FOR AIRCRAFT

Walter H. Righter and Kenneth Wallace Case, Glendale, Calif., assignors to Radioplane Company, Los Angeles, Calif., a corporation of California

Application May 5, 1939, Serial No. 271,920
11 Claims. (Cl. 244—1)



1. In combination: an aircraft; a radio controlled apparatus in said aircraft for operating the controls of said aircraft; a parachute for landing said aircraft; and parachute release means operated by said radio controlled apparatus.

2,257,278

PROCESS FOR COLORED TITANIUM PIGMENTS

Holger H. Schaumann, Roselle, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 23, 1939, Serial No. 291,497
17 Claims. (Cl. 106—300)

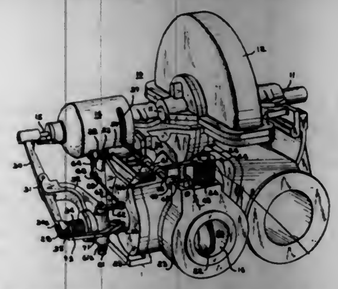
1. A process for the production of colored pigments having a tint within the range of light yellow to dark buff which pigments are substantially free from compounds of chromium which comprises calcining a mixture comprising white titanium oxide, a compound of antimony, and at least one member selected from the group consisting of compounds of nickel and cobalt.

2,257,279

DUAL PROTECTION TURBINE GOVERNOR MECHANISM

Walter Schmid, Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 12, 1940, Serial No. 369,784
5 Claims. (Cl. 137—158)



1. In a steam turbine having a rotor and an elbow steam admission conduit with a first leg arranged at right angles to the rotor axis and a second leg arranged parallel to the latter, a butterfly valve in the first branch and having a trunnion extending upwardly from the latter, a governor valve in the second branch and having a rod extending axially of and from the latter, a governor operated by the turbine, a member movable by the governor and having thrust abutting relation with said rod to provide for movement by the governor of the governor valve in a closing direction and to provide for movement of the governor valve in a colsing direction independently of the governor, a first spring for normally maintaining the rod in abutting relation with respect to said member and serving to move the governor valve in an opening direction, a second spring for moving the butterfly valve in a closing direction, a slide extending parallel to the first branch and at right angles to the turbine rotor, a crank connected to said trunnion, a connection between the slide and the crank and providing for angular movement of the latter with rectilinear movement of the former, a first latch cooperating with the slide to hold the butterfly valve open against the force of its spring, an overspeed trip device carried by the rotor, a rock shaft arranged parallel to the rotor axis, a lever fixedly carried by the rock shaft and arranged to be moved away from the rotor by the overspeed trip device, a third spring exerting force on the rock shaft to turn the latter in the direction to move said lever toward the rotor, a first abutment on said rod, a second abutment engageable with the first abutment and movable to move the governor valve in a closing direction independently of the governor, a fourth spring exerting force on the second abutment in the direction of the first abutment, a second latch for holding the second abutment spaced from the first abutment to provide for governor operation of the governor valve uninfluenced by the fourth spring, and means responsive to movement of the rock shaft by the overspeed trip device to release the first and second latches to provide for closing of the emergency and governor valves.

2,257,280

COATING COMPOSITION

Herman A. Scholz and Elmer B. Oberg, Evanston, Ill., assignors to United States Gypsum Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application October 14, 1937
Serial No. 168,938
11 Claims. (Cl. 106—154)

1. A stabilized paint composition comprising a highly purified vegetable protein, an alkaline solvent therefor, and a stabilizer selected from the group consisting of the alkali metal salts of aluminum, vanadium, tin and antimony, said composition having gel-like characteristics when quiescent and possessing thixotropic properties, the stability of said composition having been enhanced by the heating of said protein and solvent for about 15 minutes between approximately 170° F. and approximately 210° F.

2,257,281

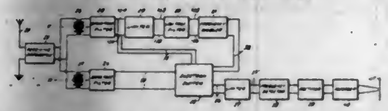
COATING COMPOSITION

Herman A. Scholz, Evanston, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application December 29, 1937, Serial No. 182,247
9 Claims. (Cl. 134—46)

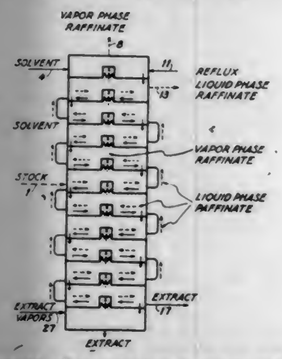
1. A water-paint composition comprising mica, a water-insoluble fatty acid soap, a water-soluble phosphate, and a proteid binder.

2,257,282
FREQUENCY MODULATION OF SIGNALS
James E. Smith, Brooklyn, N. Y., James N. Whitaker, Weehawken, N. J., and Gilbert R. Clark, Brooklyn, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Application April 27, 1939, Serial No. 270,332
21 Claims. (Cl. 250—20)



1. In reception of a radio carrier wave containing a modulating frequency, a receiver for said radio carrier wave, a frequency doubler, a filter for passing the fundamental of the modulation frequency to said frequency doubler, a second filter for passing a harmonic of the modulation frequency formed by fading of the radio carrier wave, a gas tube having a cathode, an anode and a control electrode, a second gas tube having a cathode, an anode and a control electrode, means for firing one gas tube and for extinguishing the other when the fundamental frequency rises to a predetermined value, a signal indicator and means for forming a closed circuit between the frequency doubler and the indicator, and an open circuit between the second filter and the indicator when the one gas tube is fired and the other is extinguished.

2,257,283
SOLVENT REFINING PROCESS
Alvah L. Snow, San Francisco, Calif., assignor to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
Application October 18, 1937, Serial No. 169,687
17 Claims. (Cl. 196—13)

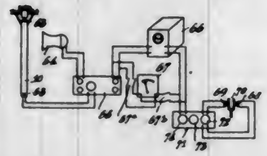


1. A process of separating a multi-component mixture of carbon compounds into more than two components which comprises passing said mixture through a treating zone, passing through said treating zone a selective solvent which remains in liquid phase and is of incomplete miscibility with said mixture, converting a portion only of said multi-component mixture to vapor phase whereby the solvent phase, a vapor phase raffinate and a liquid phase raffinate are simultaneously present in said zone, passing said vapor phase components through said treating zone, intimately contacting said three phases while passing said liquid phase raffinate in a direction opposite to that of said liquid solvent phase to selectively dissolve one type of carbon compound in said solvent, removing the treated vapor phase, and separating the two liquid phases to obtain at least three different fractions from said treating zone.

2,257,284
PREPARATION OF TARTARIC ACIDS
William E. Stokes, Brooklyn, and William E. Barch, Farmingdale, N. Y., assignors to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware
No Drawing. Application November 26, 1938, Serial No. 242,632
10 Claims. (Cl. 260—528)

2. A process for the production of tartaric acids which comprises oxidizing a carbohydrate in an aqueous solution with nitric acid with formation of dextro and meso tartaric acids and oxalic acid, separating oxalic acid from liquid, precipitating dextro and meso tartaric acids and residual oxalic acid in the form of zinc salts, separating thus precipitated zinc salts, and converting the zinc dextro and meso tartrates into the corresponding acids by reaction with an acid which forms a zinc salt of greater insolubility than the tartrates.

2,257,285
APPARATUS AND METHOD FOR TUNING
Edward V. Sundt, Chicago, Ill.
Application October 26, 1940, Serial No. 363,066
9 Claims. (Cl. 84—454)

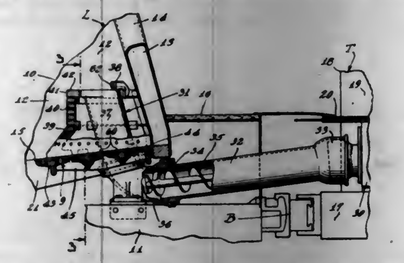


1. A tuning circuit for tuning percussion type musical instruments comprising: an electrical pick-up positioned close to a vibrating member of the musical instrument to be tuned for picking up mechanical vibrations from said vibrating member, an amplifier having an input circuit connected to said electrical pick-up, and a loud speaker connected to the output of said amplifier, said loud speaker being positioned adjacent to said vibrating member to direct acoustic vibrations against surfaces thereof and reinforce the original vibrations set up in said vibrating member so that the frequency of said member may be checked.

2,257,286
LOCOMOTIVE STOKER
Charles J. Surdy, Tuckahoe, N. Y., assignor to The Standard Stoker Company, Incorporated, a corporation of Delaware
Application May 12, 1938, Serial No. 207,465
3 Claims. (Cl. 110—105.6)

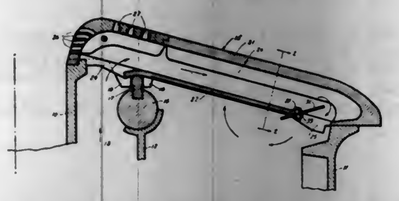
1. In a firebox, side grate bearer bars and a center grate bearer bar extending straight the full length of said firebox, grates supported by said bearer bars, a removable support member carried by said center bearer bar and a side bearer bar, a stoker for feeding fuel into said firebox comprising a fuel delivery conduit passing through said support member, said fuel delivery conduit being disposed between the center bearer bar and a side bearer bar, and grates

along one side of said fuel delivery conduit sup-



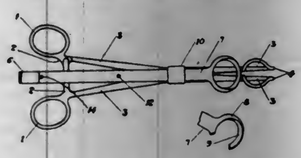
ported by such side bearer bar and said support member.

2,257,287
GRATE BAR
Carl V. Thorsell, West Hempstead, N. Y., assignor to Combustion Engineering Company, Inc., New York, N. Y.
Application June 1, 1939, Serial No. 276,760
3 Claims. (Cl. 110—74)



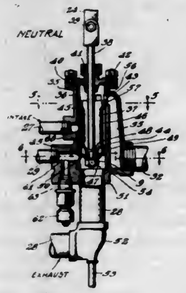
1. In a grate bar having a longitudinal air passage defined by the top, side and bottom walls of the bar and extending from its head end to its toe end with openings in said bottom wall adjacent the head and toe of the bar for placing said passage in communication with air compartments of a stoker so that air may flow through the bar from its head end to its toe end; a baffle plate extending into and across said air passage from the lower wall of said bar near the rear edge of the air opening adjacent the toe of the bar and inclined toward said toe for directing air flowing along said passage against said toe.

2,257,288
HEMOSTAT TONSILLOTOME
Victor Trottier, Windsor, Ontario, Canada
Application November 4, 1940, Serial No. 364,281
In Canada June 3, 1940
9 Claims. (Cl. 128—309)



1. In a tonsillotome, a pair of crossed clamping members fulcrumed one on the other, hemostat jaws on one pair of extremities of said members, handle parts at the opposite extremities of said members, a slide mounted on said members for motion longitudinally of the instrument, a head on said slide normally overlying said jaws, and a cutting edge on said head.

2,257,289
CONTROL VALVE
Edwin A. Turner and Charles R. Davison, Erie, Pa., assignors to The Standard Stoker Company, Incorporated, a corporation of Delaware
Original application August 19, 1936, Serial No. 96,804, now Patent No. 2,181,840, dated November 28, 1939. Divided and this application November 3, 1939, Serial No. 302,650
2 Claims. (Cl. 251—76)



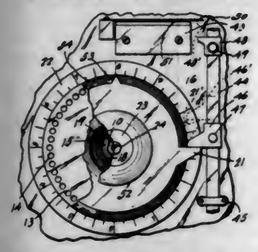
1. A control valve for a pressure fluid engine comprising a body member having a cylindrical bore therein, said body member having an intake passage, an exhaust passage and a pair of pressure fluid ports opening into said cylindrical bore, a movable valve element in said cylindrical bore for selectively establishing communication between said intake passage and either of said ports, said valve element being hollow between the remote ends thereof, forming a passage opening endwise within said bore for establishing a constant communication with said exhaust passage, means formed with said body member providing a duct leading from that pressure fluid port more remote from said exhaust passage, means providing a restricted passage between said exhaust passage and said duct in any position of said valve element, a cover secured to said body member over one end of said cylindrical bore, a stem operatively connected to said valve element and passing freely through said cover, and a stuffing box carried by said cover and cooperating with said stem to form a fluid-tight joint.

2,257,290
ORGANIC SULPHUR COMPOUND AND COMPOSITION THEREOF
Vanderveer Voorhees, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application June 11, 1938, Serial No. 213,187
11 Claims. (Cl. 260—125)

1. The method of preparing an organic sulphur compound comprising reacting an alkali polysulphide with a mixture of a mercaptan and a compound of the formula $C_nH_{2n}X_y$ in which n is a whole number, X is a negative radical and y is an integer less than 3.

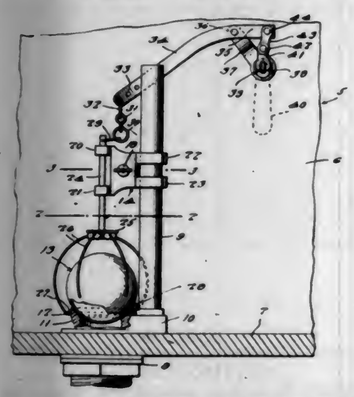
10. As a new composition of matter an organic sulphur compound obtained by reacting an alkali polysulphide with a mixture of a mercaptan and a compound of the formula $C_nH_{2n}X_y$ in which n is a whole number, X is a negative radical and y is an integer less than 3.

2,257,291
TIMING DEVICE
Kenneth E. Bemis, Oakland, Calif.
Application September 10, 1940, Serial No. 356,138
3 Claims. (Cl. 161—1)



1. A timing device comprising; a shaft; a clutch plate mounted on said shaft and having a hub; a dial mounted on said hub and relatively rotatable; cooperative clutching means on said plate and said dial; means for manually adjusting said dial relative to said clutch plate; a driving member on said dial; means for driving said clutch plate; a spring mounted about said hub within a counterbore formed within the dial and urging the dial to cooperate with said clutch plate and permitting manual retraction of the dial relative to the clutch plate for adjustment of one relative to the other.

2,257,292
FLUSH TANK VALVE
Willis D. De Garmo, Fort Edward, N. Y.
Application April 1, 1940, Serial No. 327,333
1 Claim. (Cl. 4—57)

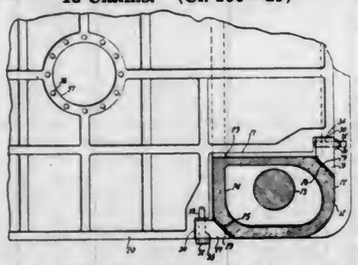


In a valve for flush tanks, a base having a water outlet passage and a valve seat therefor, a ball valve coacting with the seat for controlling flow of water through the passage, a standpipe rising vertically from the base adjacent said seat and the ball valve, a guide mounted on said standpipe, a rod slidably and rotatably supported by said guide, a hub detachably secured to one end of the rod, arcuately curved spaced members formed on said hub and loosely receiving the ball valve, an annular member connecting said arcuately curved members and of a diameter smaller than the diameter of said ball valve and provided with an offset portion extending upwardly from the plane of said annular member to contact the base and the stand pipe and with a pair of the arcuately curved members straddling said stand pipe to prevent said annular member from contacting the seat and having undue rotation relative thereto, and an operating means connected to the other end of the rod.

2,257,293
MANUFACTURE OF HYDROCARBONS
Henry Dreyfus, London, England
No Drawing. Application February 1, 1938, Serial No. 188,063. In Great Britain February 19, 1937
3 Claims. (Cl. 260—449)

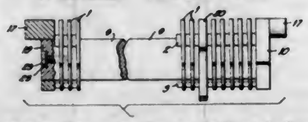
1. Process for the production of hydrocarbons which comprises passing a mixture of carbon monoxide and steam over a catalytic mass adapted to produce carbon dioxide and hydrogen from the said mixture, and to catalyze the reduction of carbon monoxide with hydrogen, the gas mixture first coming into contact with the catalytic mass at a temperature of 400° to 500° C. to convert part of the carbon monoxide to carbon dioxide, and then while the steam content of the gas mixture formed at said temperature is maintained into contact with the catalytic mass at a temperature of 150° to 250° C.

2,257,294
PRESS WITH CORNER-GUIDED PLATEN
Walter Ernst, Mount Gilead, Ohio, assignor to The Hydraulic Press Corp. Inc., Wilmington, Del., a corporation of Delaware
Application January 31, 1938, Serial No. 187,928
15 Claims. (Cl. 100—19)



1. In a press, end members, side members arranged therebetween, strain rods interconnecting said end members, a movable platen, and guiding means mounted on said platen and engaging said side members at each corner of the platen, each side member having a plurality of oppositely disposed flat portions extending therealong, and said guiding means including elements adjustably mounted on said platen and slidably engaging said flat portions.

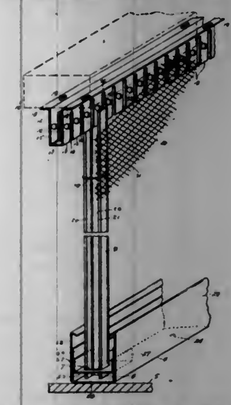
2,257,295
GRATE
Andrew Gaul, Jr., Slingerlands, N. Y.
Application September 10, 1937, Serial No. 163,267
4 Claims. (Cl. 126—168)



1. A grate for use in a railroad locomotive and comprising at least two, closely spaced sections, each of said sections comprising a bar having a multiplicity of thin but deep fins extending entirely around said bar and disposed

thereon in closely spaced relation to each other whereby to provide a large surface area for air cooling said fins and bar and to adapt said grate to burn the finer sizes of coal without material loss by falling through the spaces between said fins, end trunnions on each of said sections, supports for said trunnions, and means for rotating said sections approximately 90° in one direction about the axis of said trunnions; the width of said fins in the top plane of the grate being appreciably greater than the depth thereof, whereby to provide comparatively wide clear spaces between said sections, when rotated, for the free discharge of ashes therethrough.

2,257,296
LATH MOUNTING
William M. Goldsmith, Cincinnati, Ohio
Application February 9, 1939, Serial No. 255,437
11 Claims. (Cl. 72—46)



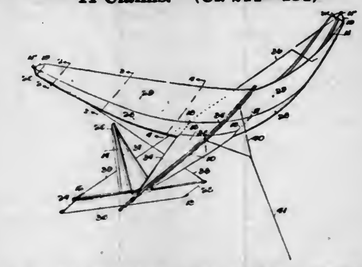
5. A holder for an end of a wall stud of the channel iron type comprising a pair of substantially parallel spaced legs and a connecting web, said holder comprising an elongated metallic strip bent lengthwise to a U-shaped channel configuration having depending legs and a connection portion across the lower ends of said legs, said strip being slotted at intervals transversely to form head blocks of a depending character, the width of the slots approximating the thickness of the studding member web, and the distance between the legs of the overhead studding holder head blocks approximating the distance between the legs of the studding member, and means on the holder for suspending it from a ceiling above the floor socket.

2,257,297
ABSORPTION OF OLEFINS IN ACID LIQUORS
Walter Henry Groombridge, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application February 20, 1934, Serial No. 712,171. In Great Britain March 1, 1933
17 Claims. (Cl. 260—460)

1. In a process for the selective absorption of olefins from admixture with one another by means of acid liquors, of concentration and temperature such that they react with and absorb olefins to form and retain alkyl derivatives of the acid and to which the olefins show different degrees of reactivity, the steps of contacting a mixture comprising the olefins with such acid liquor and adding water to the acid liquor so as to maintain the free acid content thereof within such a range of concentrations, that, under the conditions obtaining in the absorption zone, the liquor absorbs at least one olefin while remaining incapable of absorbing substantial quantities of less reactive olefins.

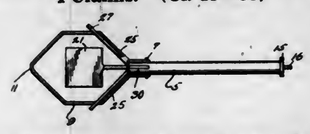
11. In a process for producing an olefin derivative, the steps of absorbing at least one olefin in a liquid mineral acid-acting medium at a temperature and pressure whereat the olefin absorption product is substantially in the liquid phase, and adding water to said medium so as to maintain therein during the absorption the ratio of free acid to free acid plus water within a predetermined range.

2,257,298
KITE AND METHOD OF FORMING THE SAME
John Hahn, Decatur, Ill., assignor to H & W Kite Co., Decatur, Ill., a partnership consisting of John Hahn and Thomas G. Wilson
Application February 8, 1940, Serial No. 317,997
11 Claims. (Cl. 244—154)



1. In an airplane kite, a frame including a straight body stick, a bowed wing stick of substantially the same length as the body stick and positioned transversely of and adjacent the upper end of said body stick, a pair of bowed string spacers, each secured to one end of the wing stick, a string passing through the spacers and connecting the body stick at its top and also slightly below the wing stick and forming with said sticks a pair of wing frames, said string being placed under sufficient tension to maintain the wing stick and string spacers in their bowed condition, and a covering secured to and drawn taut over said sticks and string to form pockets in each of the wings.

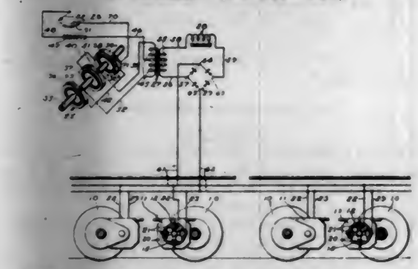
2,257,299
ANIMAL TRAP
Delbert C. Herstedt, Moline, Ill.
Application May 20, 1941, Serial No. 394,354
4 Claims. (Cl. 43—85)



1. A trap comprising a tubular member, a stationary jaw including a guide secured at one end of said member, a movable jaw in the form of a frame slidable in the guide, a trigger in the tubular member releasably securing the movable jaw against retracting movement, a bait pan projecting outwardly from the tubular member and connected to the trigger for actuating the

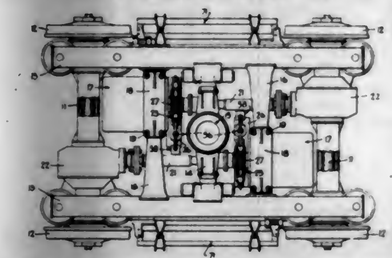
latter to release the movable jaw and spring means urging the movable jaw into a retracted position against the stationary jaw.

2,257,300
ELECTRIC BRAKE CONTROL
Claude M. Hines, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application March 30, 1940, Serial No. 326,871
11 Claims. (Cl. 188—181)



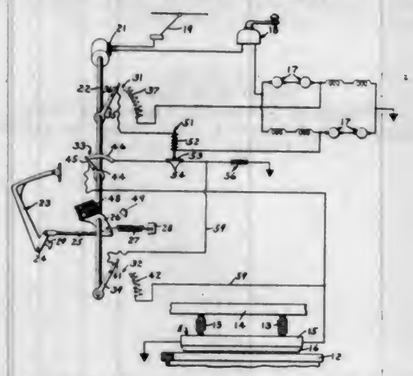
1. In a brake system for a vehicle, in combination, an electric brake device operable when energized to a constant degree to produce a braking effect which diminishes as the speed of the vehicle with which it is associated diminishes, means governed by the speed of the vehicle for causing pulsations in electric current in the circuit for said brake device, and reactor means in said circuit for varying the energization of said brake device as the speed of the vehicle varies to cause said brake device to produce a substantially constant braking effect.

2,257,301
BRAKE SYSTEM
Arthur G. Larson, Forest Hills, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application October 31, 1939, Serial No. 302,159
18 Claims. (Cl. 188—2)



1. Vehicle brake apparatus comprising a dynamic brake device adapted to exert a retarding effect on the vehicle, a friction brake device, spring means adapted to exert an application force on the friction brake device to cause it to exert a retarding effect on the vehicle, electrical means effective to exert a force in opposition to the spring means in accordance with the degree of energization thereof so as to vary the force of application of the friction brake means and to effect the release thereof, means for simultaneously initiating an application of the dynamic brake means and of the friction brake means, and means effective as long as the dynamic brake device exerts a retarding effect in excess of a certain value for maintaining the electrical means energized to a degree sufficient to maintain the friction brake means released.

2,257,302
ELECTRIC BRAKE SYSTEM
Arthur G. Larson, Forest Hills, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application September 17, 1940, Serial No. 357,124
13 Claims. (Cl. 188—158)



1. A vehicle brake system of the type having dynamic brake means and magnetic track brake means, comprising the combination of means under the control of the operator for initiating application of only the dynamic brake means, and means controlled according to the degree of effectiveness of the dynamic brake means for effecting application of the magnetic track brake means when the degree of effectiveness of the dynamic brake means reduces below a certain degree incidental to the reduction of the speed of the vehicle.

2,257,303
CARBON CELL
Samuel F. Lybarger, Mount Lebanon, Pa., assignor to E. A. Myers & Sons, Mount Lebanon, Pa., a partnership consisting of Edward A. Myers, Edwin J. Myers, Alfred E. Pelz, and Samuel F. Lybarger
Application July 13, 1940, Serial No. 345,435
7 Claims. (Cl. 179—190)



1. A carbon cell comprising a cupped electrode member, a second electrode member projecting into the cupped member and spaced therefrom, said members having central portions and marginal portions connected by intermediate portions, and carbon granules occupying the space between said electrode members and adapted to engage said portions thereof, the opposed surfaces of said central and marginal portions of said members being conductors of electricity and being disposed at a greater angle to the axis of the members than the angle at which the opposed surfaces of said intermediate portions of said members are disposed relative to said axis.

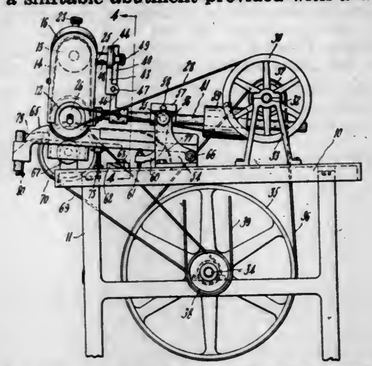
2,257,304
CHARACTER BEARING ELEMENT FOR KEY CHAINS AND LIKE DEVICES
Edwin S. Mix and Harold C. Vaisey, Rochester, N. Y., assignors to Hickok Manufacturing Company, Inc., Rochester, N. Y., a corporation of New York
Application January 31, 1940, Serial No. 316,654
2 Claims. (Cl. 59—80)



1. An article of the character described including an inner and outer attaching member, a series of flat character bearing elements arranged in spaced end-to-end relation and each being of a length greater than twice its width and each of said elements at each end having a relatively short loop projecting therefrom with the openings in the loops being of greater length than width and having their lengths disposed transversely of said elements and being of a length less than the width of said character bearing elements, a flexible member swingingly connected to the outer loop of the outer character bearing element, a short ribbon-like link swingingly connecting the inner attaching member with the respective loop of the innermost character bearing element, and short links of ribbon-like material and of less width than the width of the character bearing elements and of a width substantially the same as the lengths of the openings in said loops and connecting the respective loops of the intermediate character bearing element with the loops of the outermost and innermost bearing elements, each of said links comprising a body portion, ends and separate yieldable arms located opposite the body portion and spaced therefrom and in substantial parallelism therewith, one of the arms being extended inwardly towards the body portion and provided with a longitudinally projecting lip spaced from the body portion and forming a seat, the other yieldable arm having its free end directed inwardly into engagement with that portion of the first-named arm adjacent said seat with the extremity thereof engaging said seat to close the respective link, said inwardly directed portions of the links preventing contact of the loops of the intermediate character bearing element with the loops of the innermost and outermost character bearing members in the use of the article.

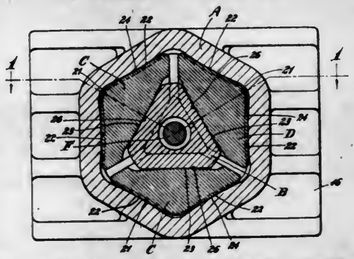
2,257,305
ABRADING MACHINE
William H. Nickerson, Jr., Newton, Mass.
Application October 25, 1939, Serial No. 301,117
8 Claims. (Cl. 51—139)

8. A machine of the character described comprising a supporting structure, a tool head carrier including a swivel supported by said structure to turn about a substantially horizontal axis, said carrier extending in a generally horizontal direction from the swivel transversely to the axis thereof, a tool unit mounted on the carrier at a distance from the swivel axis, an arm extending from the swivel toward the supporting structure, and a shiftable abutment provided with a wedge



portion placeable and insertable to a greater or less degree between the foot portion of said arm and the supporting structure whereby to regulate the height of the tool unit.

2,257,306
FRICTION SHOCK ABSORBING MECHANISM
Roland J. Olander, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application May 15, 1939, Serial No. 273,603
8 Claims. (Cl. 213—32)



1. In a friction shock absorbing mechanism, the combination with a friction casing of angular interior cross section having a plurality of longitudinally extending, pairs of adjacent laterally diverging friction surfaces, each surface being slightly crowned transversely and adapted to be flattened under pressure; of friction shoes, each having a pair of laterally outwardly diverging flat surfaces engaging one of said pairs of crowned surfaces; a wedge pressure transmitting member having wedging engagement with said shoes to press the same outwardly against and slide the same along said crowned friction surfaces of the casing to flatten said crowned surfaces during actuation of the mechanism; and means within the casing yieldingly opposing movement of said shoes inwardly of the casing.

2,257,307
QUICK TAKE-UP MECHANISM
Roland J. Olander, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application June 13, 1940, Serial No. 340,252
8 Claims. (Cl. 74—513)

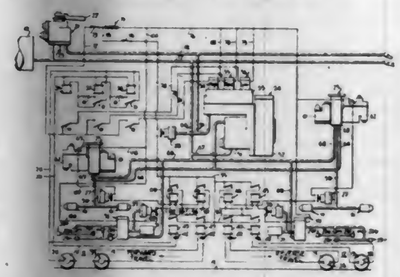
1. In a quick take-up mechanism for hand brakes for cars, the combination with a pulling

element; of a motion transmitting element; a fixed abutment; a swinging support; a bell crank element pivotally mounted on said support, said bell crank lever being connected respectively to said pulling element at one side of the pivotal mounting thereof and motion transmitting element for transmitting motion from said pulling



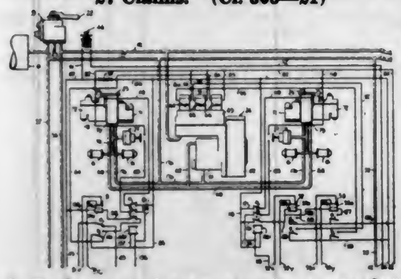
element to said transmitting element; and a rigid arm on said bell crank at the other side of said pivotal mounting thereof engaging said abutment during rocking movement of said bell crank with respect to said support for positively swinging said support during initial application of the brakes to displace the pivot of said bell crank.

2,257,308
BRAKE CONTROL MEANS
Donald L. McNeal and John Canetta, Wilkinsburg, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application November 30, 1939, Serial No. 306,878
19 Claims. (Cl. 303—21)



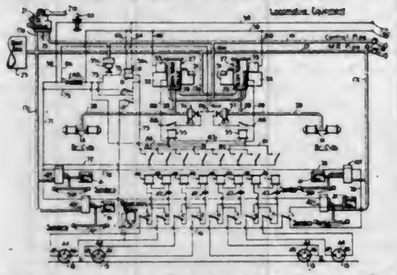
1. Brake control apparatus for a wheeled vehicle comprising, in combination, means for causing application and release of the brakes associated with the wheels of the vehicle, means for producing an electrical effect substantially proportional in degree to the speed of rotation of a vehicle wheel, means controlled according to the degree of electrical effect supplied by said producing means for controlling the degree of application of the brakes on said wheel, and means controlled according to the rate of change in the degree of electrical effect supplied by said producing means for also controlling the degree of application of the brakes on said wheel.

2,257,309
BRAKE CONTROL MEANS
Andrew J. Sorensen, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application February 13, 1940, Serial No. 318,679
27 Claims. (Cl. 303—21)



1. Brake control apparatus for a wheeled vehicle comprising, in combination, means for causing application and release of the brakes associated with the vehicle wheels, means controlled according to the rotative speed of a given wheel operative during an application of the brakes to cause a reduction in the degree of application of the brakes associated with all wheels of the vehicle upon reduction in the speed of the vehicle, and means effective in response to the slipping of the said given wheel for preventing operation of the speed-controlled means to vary the degree of application of the brakes notwithstanding the reduction in the rotative speed of the given wheel while slipping.

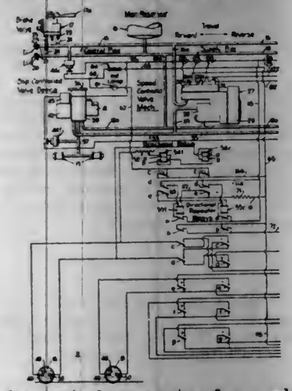
2,257,310
BRAKE AND SANDING CONTROL MEANS
Andrew J. Sorensen, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application September 21, 1940, Serial No. 357,675
19 Claims. (Cl. 291—15)



1. Sanding control apparatus for a wheeled vehicle comprising, in combination, a relay having a plurality of separate operating windings any one of which is effective when energized to cause actuation of the relay from a normal position to an operated position, means controlled by said relay and operative to cause sanding of the track rails or road surface in advance of the vehicle wheels when the relay is actuated to its operated position, means operatively responsive to the rotative deceleration of a vehicle wheel at a rate exceeding a certain rate for effecting energization of one of the windings of said relay, and manually operated means for effecting energization of another of the windings of said relay.

14. Sanding control apparatus for a wheeled vehicle having brakes for exerting a braking effect on the vehicle, comprising a single manually operative element having a normal position and operative to a different position, means responsive to operation of said element to its different position while the brakes are released for effecting sanding only so long as said element is in its different position, and means effective in response to operation of said element to its different position while the brakes are applied for effecting continuous sanding for a certain uniform length of time notwithstanding the restoration of said element to its normal position prior to the expiration of said certain length of time.

2,257,311
BRAKE CONTROL MEANS
Andrew J. Sorensen, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application June 28, 1940, Serial No. 342,941
33 Claims. (Cl. 303—21)



1. Brake control apparatus for a wheeled vehicle comprising, in combination, manually controlled means for establishing a control pressure variable according to a desired degree of application of the brakes, relay valve means effective in one condition thereof in response to a given control pressure to cause application of the brakes associated with the vehicle wheels to one degree and effective in response to said given control pressure in another condition thereof to cause application of the brakes associated with the vehicle wheels to a different degree, means for supplying a direct-current voltage substantially proportional to the rate of rotative speed of a vehicle wheel and of opposite polarity for opposite directions of rotation of said wheel, an electrical relay having an operating winding on which the voltage supplied by the voltage supply means is impressed and a movable element which is operatively actuated to and maintained in an operated position only so long as a voltage of one certain polarity and exceeding a certain value is impressed on the operating winding of the relay, means controlled according to the polarity of the voltage supplied by the voltage supply means for reversing the connections between the operating winding of the relay and said voltage supply means so that a voltage of the said one certain polarity is impressed on the operating winding of said relay whether the said wheel is rotating in one direction or the opposite direction, and means controlled according to the position of the control element of said relay for causing said relay valve means to be conditioned in its said one condition or its said different condition, whereby to vary the degree of application of the brakes dependent upon the speed of rotation of the vehicle wheel and accordingly the speed of travel of the vehicle.

2,257,312
CONTAINER CLOSURE AND COASTER
Franklin S. Patton, Erie, Pa., assignor to Sterling Seal Company, Erie, Pa., a corporation of Pennsylvania
Application October 22, 1938, Serial No. 236,515
1 Claim. (Cl. 215—38)

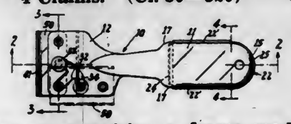


A composite removable and replaceable closure cap for a container having a bead around the mouth thereof which comprises, a cap member having a flat top surface and a depending flange, said flange terminating at its lower edge in an inwardly disposed marginal bead, a lock member comprising a ribbon of flexible metal of sufficient width to extend from said top surface to said inwardly disposed marginal bead, said ribbon being bowed inwardly and outwardly throughout its length and provided with a plurality of spaced, integral, inwardly extending projections on the inwardly bowed portions, said ribbon being positioned in flexed form biased toward expansion inside said depending flange between said flat top surface and said inwardly disposed marginal bead, and said inwardly extending projections cooperating with the bead around the mouth of the container to hold the cap in closed position.

2,257,313
ALLOY BEARING
William B. Plummer, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application February 25, 1938, Serial No. 192,503
1 Claim. (Cl. 148—6)

A corrosion-resistant cadmium-silver alloy bearing having a coating of iron phosphate thereon, said coating having been produced in situ by immersing said cadmium-silver alloy bearing in a dilute phosphoric acid solution containing elemental iron and a small amount of manganese dioxide.

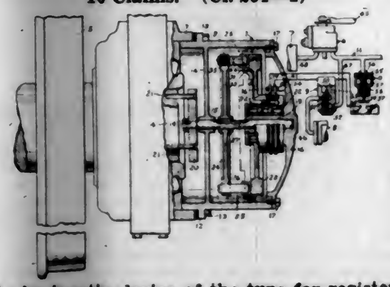
2,257,314
SCRAPER
Charles P. Shinn, Jr., Brooklyn, N. Y.
Application April 29, 1939, Serial No. 270,817
4 Claims. (Cl. 30—320)



1. A scraper comprising a frame made from sheet metal, said frame having a handle part and having a head part provided with a plurality of through openings to be brought selectively into register with the openings of a blade, a guard member having formations for registry with the openings in a blade and for registry selectively with openings in said head, and a locking member for securing said guard and said blade to said head, said head being provided with a rear-

wardly curved slot through which said locking member passes, said slot extending from near the end of the head to near one side edge thereof, whereby said guard and blade can be adjusted from one position to another position at a desired angle thereto.

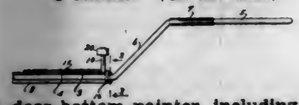
2,257,315
INERTIA DEVICE
Andrew J. Sorensen, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application April 2, 1940, Serial No. 327,386
10 Claims. (Cl. 264—1)



1. An inertia device of the type for registering the rotative condition of a rotatable member, said device comprising a non-rotative support, a rotary inertia registering element carried solely by said support, said element being rotatable on said support by said rotatable member and shiftable rotatably relative to the rotatable member in response to a change in speed of the rotatable member.

6. A rotary inertia device of the type adapted to register the rotative condition of a vehicle wheel and axle assembly, said device comprising a casing, a cover removably associated with said casing and having a non-rotatable support extending into the casing, a rotary element journaled on said support for complete rotation relative thereto, means for holding said element against separation from said support, means for transmitting rotary motion from said wheel and axle assembly to said rotary element, said rotary element being rotatable relative to said wheel and axle assembly in response to a predetermined rate of deceleration in the speed of the wheel and axle assembly for registering the rotative condition of the wheel and axle assembly, the rotary motion transmitting means having an endwise slip connection with said rotary element to facilitate the removal and replacement of said cover and element as a unit with relation to the rotary motion transmitting means and casing.

2,257,316
DOOR BOTTOM PAINTER
Blair Votaw, Maricopa County, and John L. Mudersbach, Phoenix, Ariz.
Application March 7, 1941, Serial No. 382,194
4 Claims. (Cl. 91—62.5)



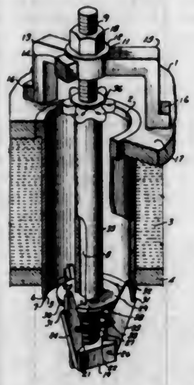
1. A door bottom painter, including a shallow paint tray, a handle attached thereto, shaped to permit movement of said tray beneath the door when hung, and paint applying rollers operative in said tray and extending above the edges of said tray sufficiently to afford contact with a door bottom against which said tray may be held.

2,257,317
LINE CONNECTOR
Charles E. Wade, Sturgis, Mich.
Application August 15, 1938, Serial No. 224,851
6 Claims. (Cl. 173—328)



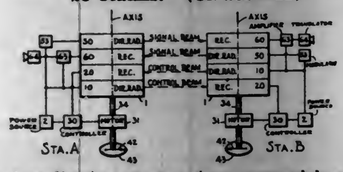
1. In an electrical connector for association with a conductor terminal, the combination of a supporting body having an opening extending thereinto, the outer end of said opening being recessed so as to define a shoulder spaced inwardly from the end of said opening, a single integral contact member bodily movable into and received within said opening, a holding part formed integrally with said contact member and engaged over said shoulder so as to limit movement of said contact member in a direction opposite to that in which said shoulder faces, said holding part engaging the wall of said recess so as to support a portion of said contact member in spaced relation to said wall of said opening, said contact member having a terminal receiving receptacle formed in part by said portion and comprising spaced surfaces which receive between them a said terminal, said portion being engaged by a said terminal when the latter is in place in said contact member and being deflectable toward said wall upon insertion of said terminal into said contact member.

2,257,318
SLEEVE EXTRACTOR
Joyce W. Wilborn, Fort Smith, Ark.
Application September 15, 1939, Serial No. 295,061
1 Claim. (Cl. 29—88.2)



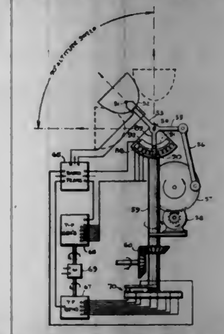
In a device of the character described, a post, a head mounted on one end of the post, fingers pivotally mounted on said head supportingly engageable with an end of a sleeve to be moved, a plate mounted on the post and engageable with the fingers for moving the fingers outwardly into engagement with the sleeve, means on the post adapted to move and allow movement of the plate, a spring bearing against said head and plate respectively for normally urging said plate out of engagement with said fingers, and a spring tending to contract the fingers relative to each other.

2,257,319
RADIANT ENERGY SYSTEM
Charles E. Williams, Seattle, Wash.
Application June 6, 1936, Serial No. 83,899
23 Claims. (Cl. 250—11)



1. A radiant energy system, comprising: a unidirectionally sensed receiving system; a directional radiating system; and means responsive to variations in the direction of reception by said receiving system from a source of radiant energy remote from and independent of said systems, to so actuate said receiving system that its directional characteristic will coincide with is direction of reception, and to so actuate said radiating system that its direction of radiation will be a function of the direction of reception by said receiving system.

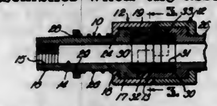
2,257,320
DIRECTION FINDING SYSTEM
Charles E. Williams, Seattle, Wash.
Application November 6, 1937, Serial No. 173,204
3 Claims. (Cl. 250—11)



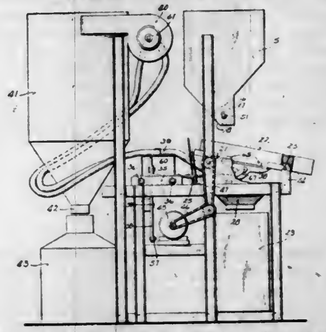
3. In a beam direction finding system: a radio transmitter adapted to produce a carrier frequency and having a beam radiator, means for actuating said radiator so that the beam therefrom will sweep through a desired course, means for impressing upon said transmitter a signal adapted to modulate the carrier produced by said transmitter, which signal will at all times be related to and indicative of one coordinate of any one position, and operative simultaneously with said first means a second means for impressing upon said transmitter a signal adapted to modulate the carrier produced by said transmitter, which signal will at all times be related to and indicative of a second coordinate of said position of a beam.

2,257,321
COUPLING
Mathew H. Arnold, Long Beach, Calif.
Application April 14, 1939, Serial No. 267,845
5 Claims. (Cl. 285—175)

1. A coupling comprising two like assemblies each including a body having a projection on its forward end provided with a recess in a longitudinal edge leaving a laterally extending finger to engage in the recess of the other assembly, and a spring pressed sleeve slidable on the body to a position partially overlying the projections of both assemblies when the assemblies are together holding the fingers in the recesses, the portions of the sleeves overlying the projections having a bore substantially the same in diameter as the assembled projections.



2,257,322
SIFTER
Paul J. Barnard, Racine, Wis.
Application November 15, 1937, Serial No. 174,511
1 Claim. (Cl. 209—245)



In a device of the character described, the combination with an inclined screen and means for the vibration thereof, of a feed hopper arranged for the discharge of material on to the screen, a feed roller controlling delivery from said hopper, a nozzle reciprocable across said screen substantially in face contact with the under side thereof, means for reciprocating said nozzle, and means connecting said nozzle with a source of vacuum for the cleansing of said screen, said screen being provided with a wear plate between it and said nozzle comprising a shim sufficiently thin to permit the vacuum of said nozzle to draw air through said screen while relieving said screen of the friction of said nozzle.

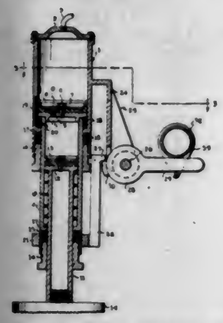
2,257,323
LAUNDRY METHOD AND DEVICE
Howard F. Baxter, Grand Rapids, Mich., and Robert T. Baxter, Chicago, Ill., assignors to Baxter Laundries Corporation, Grand Rapids, Mich., a corporation of Michigan
Application December 20, 1939, Serial No. 310,110
8 Claims. (Cl. 312—157)



7. A rotatable receptacle having a compartment therein, a strap member swingably secured to the compartment at one side thereof, a swing

member pivotally mounted on the opposite side of the compartment having a latch arm and a hook arm turnable to present for use one or the other of said arms, the latch arm being adapted to detachably receive the free end of the strap member and the hook arm being adapted to detachably retain an identification tag.

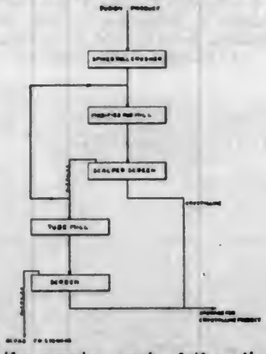
2,257,324
VEHICLE JACK
Walter Behm, Rochester, and Earl J. McClellan, Jr., Utica, Mich.
Application September 16, 1940, Serial No. 356,914
17 Claims. (Cl. 254—86)



1. A jack installed on a vehicle having an unsprung lower portion and a sprung upper portion, said jack comprising an upper hollow cylindrical section, means for attaching such section to the sprung portion of the vehicle, a section slidable within said upper section from a raised idle position to a lowered lifting position, a spring reacting between said sections to normally maintain the raised position of the sliding section, means for delivering a pressure fluid to the upper section to react between the two sections for lowering the sliding section, an arm pivotally mounted on the sprung portion of the vehicle and engageable at one side of its pivot beneath the unsprung portion of the vehicle to resist sagging of the unsprung portion, and means carried by the sliding section engageable with said arm in a lowered position of the sliding section to maintain the arm in its effective position.

2,257,325
METHOD OF SEPARATING FUSED PRODUCTS CONTAINING PARTIALLY VITREOUS AND PARTIALLY NONVITREOUS MATERIALS
Leroy G. Black, Trona, Calif., assignor to American Potash & Chemical Corporation, Trona, Calif., a corporation of Delaware
Application January 30, 1939, Serial No. 253,524
3 Claims. (Cl. 83—94)

1. The process of separating the vitreous and granular forms of sodium tetraborate from intimately associated admixtures of said forms which comprises introducing relatively coarse particles of the mixed material into a choke fed rod mill operated to have a differential grinding action affecting the granular portion to a greater extent than the vitreous portion, continuously separating the comminuted particles from the oversized material and treating at least a part of the latter in a choke fed ball mill operated to reduce the greater part of the remaining granular material to a finer size while



preserving the greater part of the vitreous material as particles of larger size.

2,257,326
BILLIARD CUE
Jacques R. Blum, San Francisco, Calif.
Application December 26, 1940, Serial No. 371,731
4 Claims. (Cl. 273—68)



1. In combination with a billiard cue, a solid handle portion at one end of the cue having an annular recess formed therein, the said handle portion having a continuous core section where the recess occurs, a load member secured to the core section of the handle portion and positioned within the confines of the recess, and a plastic sleeve secured to the core section of the handle portion and positioned within the recess and extending over the load member.

2,257,327
NUT
Carlos L. Bradford, Coshocton, Ohio
Application April 23, 1941, Serial No. 389,881
4 Claims. (Cl. 85—32)



3. A nut of the type described comprising a pair of rocker members pivoted together intermediate their upper and lower ends for swinging movement about an axis substantially at right

angles to the vertical axis of the nut, said rocker members being of such a form that they will surround a bolt, the lower ends of said rocker members being provided with threads on the interior thereof, and a transversely extending pin fitting into transverse aligning openings formed in said rocker members below the pivot point.

2,257,328
LUBRICANT
Ulric B. Bray, Palos Verdes Estates, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application December 7, 1937, Serial No. 178,557
19 Claims. (Cl. 252—39)

1. A freely fluid lubricating oil containing between about 0.6% and 2.5% of an oil-soluble metal soap of organic acids containing at least about ten carbon atoms and adapted to overcome valve and ring sticking tendencies, the oil containing non-corrosive sulfur naturally-occurring in the oil in small quantity to overcome corrosive tendencies of the soaps with respect to corrosion-sensitive alloy bearings and to impart oiliness and extreme pressure characteristics, the sulfur being present in amounts insufficient to exert corrosive and unstable characteristics in the presence of the soap.

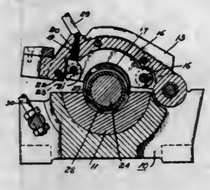
2,257,329
THERAPEUTIC APPARATUS
Vernon E. Britt, Oakland, Calif., assignor of one-fourth to Andrew F. Edwards, San Leandro, and one-fourth to Robert W. Claire, Berkeley, Calif.
Application May 19, 1938, Serial No. 208,798
2 Claims. (Cl. 128—401)



1. A therapeutic apparatus comprising, a body adapted for insertion into the mouth of a user and being molded from an impression of a user's mouth to conform to the shape of the teeth and palate of the mouth and formed with a lateral flange for engagement between the teeth of the upper and lower jaws, and heating means provided at the roof of said body for engagement with the palate, said body being formed at said flange and portions other than at said heating means from a compressible heat insulating rubber material whereby during compression of said flange between the teeth of the upper and lower jaws said heating means will be urged toward said palate.

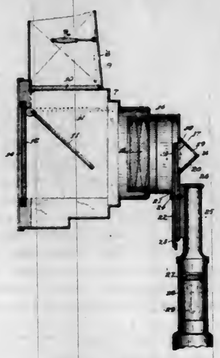
2,257,330
CLOSING DEVICE FOR PISTON RINGS
George Bronwer, Muskegon, Mich., assignor, by mesne assignments, to Ramsey Manufacturing Company, a corporation of Michigan
Application December 30, 1939, Serial No. 311,755
2 Claims. (Cl. 29—89)

1. A closing device for piston rings comprising a fixed and non-yielding member having a rounded hollowed out portion, an opposite member having a plurality of segments, each of said segments having a rounded hollowed out portion, said segments being formed of non-yielding material, said opposite member also having a plurality of springs, with one of each said springs bearing against one of each of said segments so that each of said segments is independently yielding, said device adapted in open position to



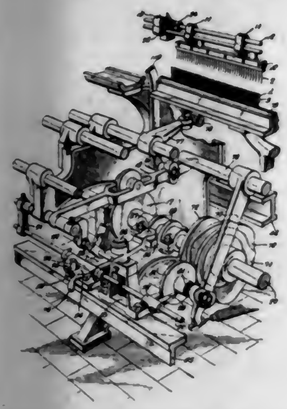
receive an arbor having a plurality of spaced uncompleted unclosed piston rings, with each of said piston rings positioned therein between the fixed and non-yielding member and a single segment of the opposite member, and means for closing said device so that the fixed and non-yielding member cooperates with the segments to cause the ends of the piston rings to abut, each spring behind each segment independently absorbing any further pressure.

2,257,331
FUNDUS CAMERA
John A. Clarke, St. Louis, Mo.
Application January 25, 1939, Serial No. 252,750
2 Claims. (Cl. 88—20)



1. A device for photographing the eye comprising a camera, a focusing hood mounted thereon, an enlarging glass mounted in said hood, a ground glass below the enlarging glass, a swinging mirror beneath the ground glass for reflecting the image on the ground glass, lenses positioned in the fore part of the camera, a rotatable disc having a plurality of lenses selectively movable into the path of focus, a hood fixed to the forward end of the camera, said hood being formed with an opening substantially aligned with the selectively positioned lenses, a mirror arranged in an angular position and forming a portion of the wall of said hood, said mirror having its inner edge approximately at the center line of focus, and a light directing means supported by said camera and arranged to direct an adjustable beam of light against said mirror.

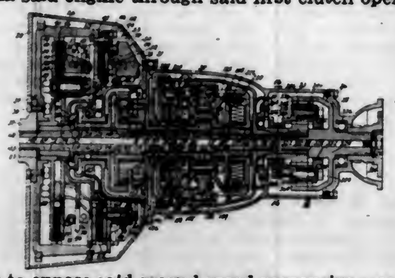
2,257,332
KNITTING MACHINE
Guido O. Clauss, Elizabethtown, Pa.
Application September 21, 1940, Serial No. 357,803
18 Claims. (Cl. 66—96)



1. In non-run mechanism for a conventional full fashioned hosiery knitting machine having a bank of needles, a cam shaft, a plain stitch cam and a narrowing stitch cam secured to said shaft, a lever and cam follower common to said plain and narrowing stitch cams for operating said needles, means for axially shifting said cam shaft to a normal extent to effect selective alignment of one of said stitch cams with said common follower, pattern means for controlling said shaft shifting means, narrowing points cooperative with said needles to effect transfer of stitches from needle to needle of said bank, and means including a cam on said shaft for operating said narrowing points vertically in conjunction with operations of said needles by said narrowing stitch cam to effect said stitch transfer, the combination of a series of stitch spreading points for spreading stitches on predetermined needles over needles respectively adjacent thereto, a non-run stitch cam secured to said shaft between said plain stitch cam and said narrowing stitch cam in the normal position of said narrowing stitch cam relative to said plain stitch cam and engageable with said common follower to effect cooperative action of said needles with said spreading points when said cam shaft is shifted to said normal extent.

2,257,333
AUTOMATIC CLUTCH AND TRANSMISSION GEARING
Frederick W. Cotterman, Dayton, Ohio, assignor of one-half to Bessie D. Apple, Dayton, Ohio
Application February 18, 1939, Serial No. 257,052
28 Claims. (Cl. 74—260)

1. In a power transmitting device, an engine, a gear set having input and output members, a clutch engageable for connecting the input member to the engine, a second clutch engageable for connecting the output member to the engine directly and irrespective of whether the first clutch is engaged or disengaged speed responsive means carried by the engine and operative at engine speed for engaging the first clutch, a second speed responsive means carried by the output member and operative at output member speed for engaging the second clutch, and means responsive to torque load received by said gearing from said engine through said first clutch operative to oppose said second speed responsive means engaging said second clutch.



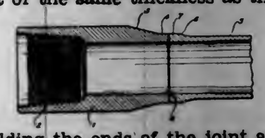
2,257,334
GASKET
Arthur G. Davis, South Merchantville, N. J., assignor to United States Gasket Company, a corporation of New Jersey
Original application December 31, 1940, Serial No. 372,645, now Patent No. 2,244,640, dated June 3, 1941. Divided and this application May 17, 1941, Serial No. 394,019
4 Claims. (Cl. 288—27)



1. A gasket having its lateral faces completely metal jacketed comprising a metal strip spirally wound and a non-metallic packing strip interposed between the convolutions, said metal strip having a bead portion extending longitudinally at the medial region thereof, reentrant continuously extending pocket portions at the base of each side of said bead portion, the two outer and inner metal convolutions of said metal strip being in face contact with no non-metallic packing interposed therebetween, said outer and inner convolutions being fixedly locked together and the marginal flanges thereof folded toward said bead portions to provide four-ply flanges and the free edges of said flanges being retained in said pocket portions, and the marginal flanges of the metal strip intermediate said two outermost and innermost convolutions being bent in substantially L-shaped contour and the free edges thereof abutting the next succeeding convolution whereby the lateral faces of said gasket are completely closed and metal jacketed.

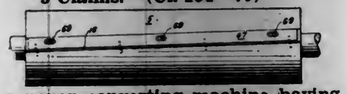
2,257,335
TOOL JOINT WELDING
Seth Evans and Richard S. Grant, Houston, Tex., assignors to Hughes Tool Company, Houston, Tex., a corporation of Delaware
Application April 5, 1940, Serial No. 328,001
5 Claims. (Cl. 113—112)

1. In welding tool joints the steps including forming upon the pipe ends of externally upset areas having a short cylindrical outer surface and a short tapered shoulder, forming the tool joint with comparatively thick walls and with a reduced diameter at the end to be welded so that there is a tapered area and a cylindrical wall on the joint of the same thickness as the pipe end,



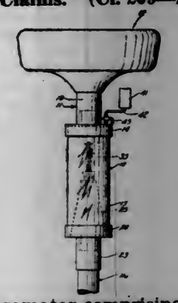
flash welding the ends of the joint and pipe together to burn off most of the said cylindrical areas of pipe, and joint, and making a weld upon the tapered area formed by the tapered portions of the joint and pipe.

2,257,336
KNIFE FOR PAPER CONVERTING MACHINES
Donald M. Feurt, San Francisco, Calif., assignor to Consolidated Cover Co., San Francisco, Calif., a corporation of California
Original application February 12, 1940, Serial No. 318,471. Divided and this application March 26, 1941, Serial No. 385,256
5 Claims. (Cl. 164—70)



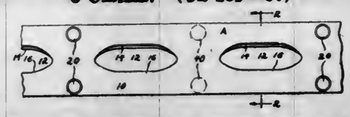
1. In a paper converting machine having die rolls, a knife for making transverse cuts including uncut bonds in a paper strip moving between said die rolls, comprising a transverse knife member having a single bevel and a cutting edge interrupted by bond producing notches, and a second knife member having a single bevel and a cutting edge interrupted by bond producing notches, said knife members being mounted with their flat sides touching and with bond notches at least in partial registry, on one of said die rolls.

2,257,337
DENTAL AMALGAMATOR
Donovan B. Grable, Long Beach, Calif.
Application November 4, 1939, Serial No. 302,888
8 Claims. (Cl. 209—201)



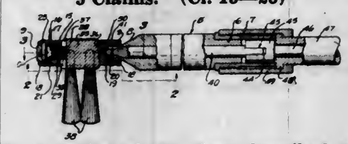
1. An amalgamator comprising a vertically extending tubular body adapted to be connected in the drain pipe of a dental cuspidor, said body having a fluid inlet at its upper end and an axially alined outlet at its lower end, a mercury containing chamber in said body and communicable with said inlet and outlet, and a valve controlling the flow of fluid from said chamber to the outlet and operated by the downward pressure of liquid above the valve to maintain the fluid in said chamber at a predetermined level above the mercury therein.

2,257,338
STRUCTURAL ELEMENT
Alva M. Hull, Detroit, Mich., assignor of one-fifth to Francis D. Hardesty, Detroit, Mich.
Application January 12, 1939, Serial No. 250,620
3 Claims. (Cl. 189—37)



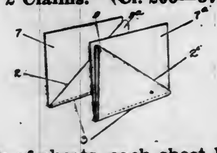
1. A structural element comprising a plurality of members disposed in web-juxtaposed relation, the web of one of said members having a tongue cut and deformed therefrom, the web of the other of said members also having a tongue deformed therefrom and projecting through the aperture in the other web left by the cutting of the tongue in the latter, and curved around and in juxtaposition with but spaced from the last mentioned tongue, all of the tongues being unsevered from the webs at their ends, the marginal lines of the bent tongues being curved.

2,257,339
ROTARY BRUSH
Carl A. Imhoff, West Los Angeles, Calif.
Application July 5, 1938, Serial No. 217,354
5 Claims. (Cl. 15—28)



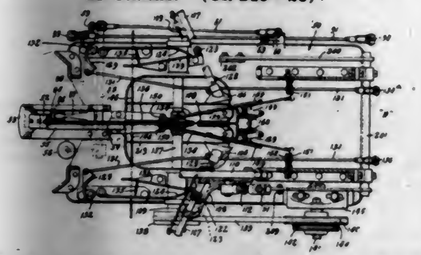
4. In a device of the class described, a body having a ring-like portion, a cover ring secured to the body, said cover ring presenting a downwardly depending inner bearing flange, a rotatable brush holding ring journalled in said flange, said brush holding ring having a bottom annular outwardly depending flange underhanging said bearing flange and provided with a circumferential row of gear teeth, a tubular handle on the body, a drive shaft in the handle, said shaft being journalled at one end in said bearing flange and having a toothed portion operatively engaging the gear teeth on the brush holding ring, and a brush element having a base housed in and frictionally engaging the brush holding ring.

2,257,340
FOLDED ARTICLE
Edwin Jacobsen, Altadena, Calif.
Continuation of application Serial No. 117,830, December 28, 1936. This application December 21, 1938, Serial No. 247,043
2 Claims. (Cl. 206—57)



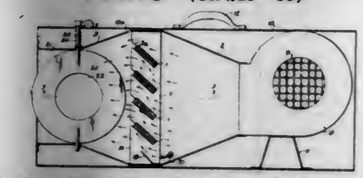
1. A stack of sheets, each sheet having a central fold to produce a sheet of double thickness, the sheets being stacked with the folded edge at the bottom, the front thickness of each sheet being bent inwardly between the two thicknesses on an angular line extending alternately from the right and left top corners of the front thicknesses downwardly, substantially to the respective opposite corners of said thickness.

2,257,341
FRUIT TREATING MACHINE
Percy Jepson, San Francisco, Calif., assignor to Pacific Machinery Company, San Francisco, Calif., a corporation of California
Application June 14, 1938, Serial No. 213,604
15 Claims. (Cl. 146—28)



1. In a fruit treating machine, an impaling blade for supporting fruit to be treated, and fruit engaging means movable into engagement with the fruit along an axis obliquely related to the plane of said blade for positioning a selected portion of each piece of fruit whether relatively large or small at a predetermined location.

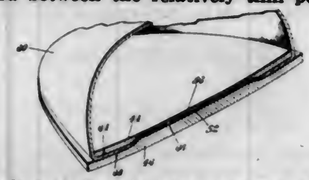
2,257,342
HEATING AND AIR CIRCULATING UNIT
William Lintern, Cleveland, Ohio
Application November 28, 1938, Serial No. 242,647
6 Claims. (Cl. 219—39)



1. A unit of the class described comprising means forming an air duct which is open at both ends, air forcing means operatively adjacent one end of the duct, a mounting for elongated heater strips which are of elongated, substantially rectangular cross section, said mounting being disposed between the ends of the duct and being constructed and arranged to hold the strips in substantially parallel relation to each other with their longer dimensions transversely of the duct and with their principal planes disposed obliquely to the longitudinal axis of the duct, whereby one side face of each strip is exposed directly to air forced through the duct and the same sides of some of the strips deflect the air against the opposite faces of other strips.

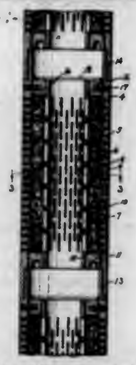
2,257,343
MANUFACTURE OF SHOES
Karl Kilburn, Boston, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application April 15, 1935, Serial No. 16,361
1 Claim. (Cl. 36—12)

A shoe comprising an insole having a relatively thin central forward portion of uniform thickness surrounded by a thicker portion having a beveled inner margin, an outsole having a relatively thick central forward portion surrounded by a beveled margin complementary to said beveled insole margin, an upper having its marginal portion interposed between the outer marginal portions of said soles but terminating outwardly of the beveled portions thereof, and a filler of a thickness corresponding to that of the upper interposed between the relatively thin portion of



the insole and the relatively thick portion of the outsole, said filler having a marginal portion offset from the plane of its body portion and overextending the entire width of the beveled portions of said insole and said outsole.

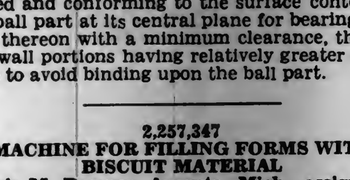
2,257,344
SCREEN PIPE
Joe F. Maloney, Houston, Tex.
Application January 11, 1940, Serial No. 313,319
2 Claims. (Cl. 166—5)



1. In a well screen, an outer perforated pipe, an inner perforated pipe having its exterior surfaces tapered adjacent the ends of the inner pipe, a body of gravel substantially filling the annular space between said pipes, and a pair of annular retaining rings secured in the outer pipe and substantially closing the ends of the annular space between said pipes and retaining the gravel in place, the openings in said annular retaining rings being of a diameter less than the external diameter of the inner pipe and greater than the external diameter of the free tapered ends of said inner pipe to receive only the tapered end portions of said inner pipe and means for forcing one of said rings toward the other whereby said inner pipe will be gripped between said retaining rings and held in position against axial displacement.

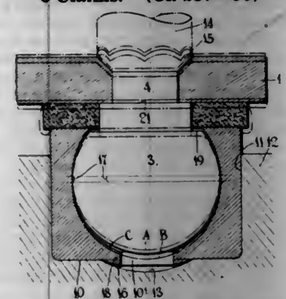
2,257,345
HATCH
Walden W. Mason, Kansas City, Mo.
Application December 30, 1939, Serial No. 311,709
10 Claims. (Cl. 220—85)

1. A hatch including a collar-like body having separate pressure equalizing and relief ports, valves controlling said ports, a cover having a vacuum relief port, a vacuum responsive valve normally closing the vacuum relief port in said cover, trip means normally retaining the valve controlling the equalizing port in open position, means actuated responsive to opening of said vacuum responsive valve for actuating said trip



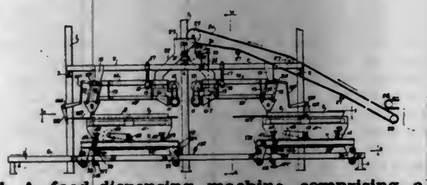
means, and means removably securing the cover on said body.

2,257,346
POWER TRANSMITTING UNIT
William Paulus, Buffalo, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Original application November 9, 1938, Serial No. 239,643, now Patent No. 2,252,351, dated August 12, 1941. Divided and this application September 23, 1939, Serial No. 296,283
6 Claims. (Cl. 287—90)



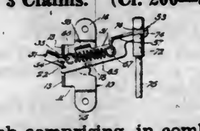
3. A power transmitting joint comprising a ball part having a mounting shank, and a socket part of relatively softer metal enclosing the ball part free of the shank, the socket of the socket part having a cylindrical wall portion separating two end and partially spherical wall portions, the surface of the cylindrical wall portion being ball-ironed and conforming to the surface contour of the ball part at its central plane for bearing contact thereon with a minimum clearance, the two end wall portions having relatively greater clearance to avoid binding upon the ball part.

2,257,347
MACHINE FOR FILLING FORMS WITH BISCUIT MATERIAL
Morris M. Raymer, Augusta, Mich., assignor to Kellogg Company, Battle Creek, Mich., a corporation of Delaware
Application September 16, 1939, Serial No. 295,267
18 Claims. (Cl. 226—95)



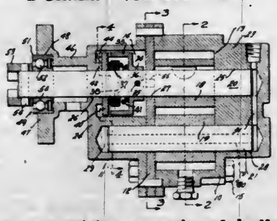
1. A food-dispensing machine comprising a movable carriage, a food conveyor positioned over a tray supported on said carriage, means for moving the carriage under the conveyor at a uniform rate of speed whereby the tray is evenly filled with food, means for stopping the movement of the carriage at any predetermined position with respect to the conveyor, and means for manually returning the carriage to the position in which the tray is ready to be filled.

2,257,348
SWITCH
Ernst Walter Rickmeyer, Elmhurst, Ill., assignor to Jefferson Electric Company, Bellwood, Ill., a corporation of Illinois
Application February 27, 1939, Serial No. 258,635
3 Claims. (Cl. 200—84)



1. A switch comprising, in combination, a substantially U-shaped support bracket having pairs of oppositely projecting grooved lugs integral therewith, said pairs of lugs projecting in opposite directions from the sides of the U-shaped support bracket, a pair of switch operating members each having a pair of substantially parallel projecting legs, said legs having bifurcated ends and integral knife edges, the knife edges of one of the switch operating members engaging one pair of grooved lugs and the knife edges of the other switch member engaging the other pair of grooved lugs to provide pivotal supports for both of the switch operating members, a tension spring connected to each of the switch operating members and urging each toward the pivotal support therefor, stops integral with each of the switch operating members and adapted to engage cooperating parts of the support bracket for limiting movement of the switch operating members about their respective pivotal supports, a mercury switch element, means securing the mercury switch element to one of the switch operating members for movement therewith, a float, and means providing a double oppositely disposed knife edge engagement with the other of said switch operating members and connected to the float for actuating said other switch operating member in response to movement of the float.

2,257,349
PUMP
David Sherwood, Grosse Pointe Park, Mich., assignor to Sherwood Brass Works, Detroit, Mich., a corporation of Michigan
Application January 18, 1939, Serial No. 251,479
1 Claim. (Cl. 103—126)



A pump comprising a pair of hollow casing sections having aligning bores, a drive shaft mounted in said bores, a removable plate disposed between said sections and having a bore to receive said shaft, said plate cooperating with one of said casing sections to provide a pump chamber and cooperating with the other of said

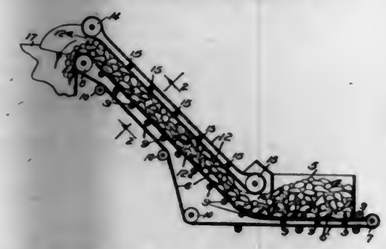
casing sections to provide a second chamber, said pump chamber having an inlet and an outlet, said shaft extending through both of said chambers and having one end projecting externally of said second-named chamber, a sealing device surrounding said shaft in said second-named chamber, an abutment pin for said sealing device for detachably and positively connecting said sealing device to said shaft, said abutment pin extending transversely through said shaft, clearance apertures in said plate for said pin, and pump gears in said pump chamber and driven by said shaft.

2,257,350
CARPET SWEEPER
Werner E. Siebert and Dick Ike, Grand Rapids, Mich., assignor to Bissell Carpet Sweeper Company, Grand Rapids, Mich.
Application May 31, 1940, Serial No. 338,160
2 Claims. (Cl. 306—11)



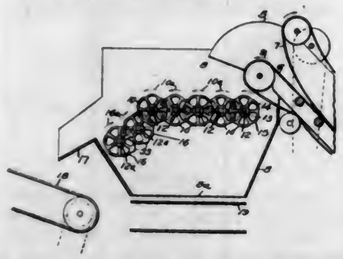
2. In a carpet sweeper, the combination of a pivoted handle having a recess in the side thereof, a hardened steel insert press fitted in said recess and projecting therefrom, a plate adjacent said handle and engageable by the projecting portion of said insert during pivoting of the handle and having a plurality of nib means thereon in the path of movement of the projecting portion of said insert during pivoting of said handle and adapted to engage and receive between them the projecting portion thereof when the handle is in vertical position.

2,257,351
MEANS FOR HANDLING BEETS
Harold F. Silver, Denver, Colo.
Continuation of application Serial No. 45,693, October 19, 1935. This application February 19, 1940, Serial No. 319,677
2 Claims. (Cl. 259—2)



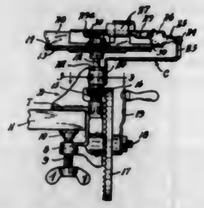
1. Apparatus of the character disclosed comprising a conveying and elevating belt having a substantially horizontal portion and having an upwardly inclined portion, a slack upwardly inclined hugger belt positioned to cooperate with the upwardly inclined portion of said conveying and elevating belt, an open-bottom hopper positioned immediately above the horizontal portion of said conveying and elevating belt, and means for feeding sugar beets or the like from said hopper to the upwardly inclined portion of the conveying and elevating belt inclusive of means for restricting such feed to less than the elevating capacity of the cooperating belts.

2,257,352
BEET HANDLING APPARATUS
Harold F. Silver, Denver, Colo.
Application February 19, 1940, Serial No. 319,678
2 Claims. (Cl. 209—104)



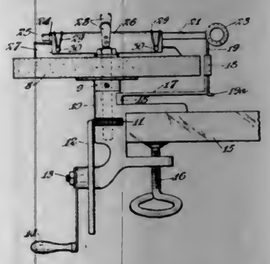
1. In apparatus of the character disclosed, the improvement which comprises a plurality of shafts mounted for rotation in a substantially horizontal plane, a plurality of axially spaced lobed screen members mounted on said shafts in staggered interlaced positions with reference to each other, a plurality of shafts journalled below the plane of the first said shafts in a plane that is inclined with reference to the plane of the first said shafts, a plurality of axially spaced lobed screen members mounted upon the last named shafts in staggered interlaced relationship with each other, the rotary screen members on the shaft in the horizontal plane and the next adjacent shaft in the inclined plane being also in staggered interlaced relationship with each other, and means for rotating the shafts in the horizontal plane and the shafts in the inclined plane simultaneously and in opposite directions.

2,257,353
SHEAR GRINDING MECHANISM
Bogola Strezoff, Minneapolis, Minn.
Application October 12, 1939, Serial No. 299,114
1 Claim. (Cl. 51—125)



In a shears sharpener and the like, a rotary sharpening wheel having a flat working face, a bracket supporting said wheel for rotation, a work clamp support connected to said bracket and having its outer end terminating adjacent the edge of said wheel, said outer end having an aperture therein on an axis parallel to the working face of said wheel, and a work clamp comprising an elongated jaw member adapted to lie across and closely adjacent the working face of said wheel, said jaw member having a pair of resilient arms extending outwardly from an end thereof, said arms having their ends turned inwardly toward each other and resting in the aperture in said clamp support, and said jaw member having cooperating relatively thin jaw portions whose longitudinal edges are flared apart to facilitate insertion of a shears blade therebetween.

2,257,354
CLAMP AND BRACKET STRUCTURE
Bogola Strezoff, Minneapolis, Minn.
Application August 8, 1940, Serial No. 351,880
4 Claims. (Cl. 51—125)



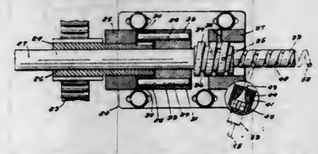
1. In a sharpener, a rotary sharpening element having a flat sharpening surface, a clamp bracket having an arm extending across the face of said sharpening element in spaced relation thereto, said bracket including a partially rolled portion having an edge spaced from the remainder of said bracket to define a slot from end to end at a point spaced from said arm when said arm is extended over said sharpening element parallel to said element, and said arm having a substantially cylindrical portion slidably fitted in said rolled bracket portion, and said arm being detachable from said rolled bracket portion by axial sliding movement when said arm is positioned in alignment with said slot.

2,257,355
METHOD FOR ATTACHING COUPLINGS TO HOSE
Herbert Vohrer, Berlin, Germany, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
Application November 7, 1938, Serial No. 239,354
In Germany November 16, 1937
5 Claims. (Cl. 18—59)



1. The process of attaching a metal coupling nipple to a flexible hose consisting of a mixture of a highly polymerized vinyl composition with a softening agent comprising coating the portion of the nipple to be inserted into the hose end with a ring consisting substantially of the hose material and containing a soluble softening agent, dissolving the softening agent out of the said ring by means of a suitable solvent, drying the coating so as to harden it, superficially dissolving said coating and the end of the hose by means of a solvent acting upon the base component of the hose material, inserting the coated portion of the nipple into the end of the hose, and drying the jointed parts.

2,257,356
METHOD OF MAKING ORNAMENTAL CHAINS
Karl Wacker, Pforzheim, Germany, assignor to Armbrust Chain Company, a corporation of Rhode Island
Original application February 13, 1939, Serial No. 256,073, now Patent No. 2,229,149, dated January 21, 1941. Divided and this application January 3, 1940, Serial No. 312,282
2 Claims. (Cl. 59—35)



1. In the manufacture of ornamental chains, the steps of feeding a longitudinal strip of material through a forming die to bring the edges together and provide a tubular rod section and then through a rotating and reciprocating helical groove die to wind the tubular rod section into a helix, and successively cutting off chain portions from the end of said helix emerging from the groove die.

2,257,357
ULLAGE ROD
Oliver Watson, Dayton, Ohio, assignor of one-half to Bert F. Downey, Springfield, Ohio
Application March 6, 1939, Serial No. 260,042
4 Claims. (Cl. 33—126.4)

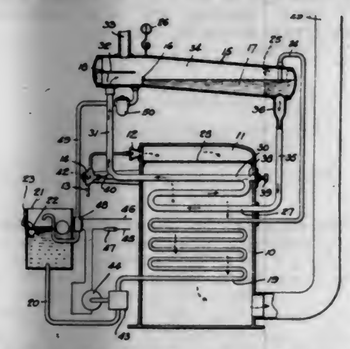


1. A liquid gage of the pipette type wherein a quantity of liquid commensurate with that in the tank being measured is temporarily trapped in a tube for measured quantity indicating purposes, characterized by a plurality of tubular sections engageable one with another in continuous sequence, links flexibly interconnecting the gage tube sections and enabling the sections when disconnected to be folded into overlapping parallel relation, coupling means associated with the connecting links for axially adjusting the sections under pressure when interconnected into leak-tight relationship.

2,257,358
STEAM GENERATOR
Frederick Wightman, Los Angeles, Calif., assignor to Walter B. Kerrick, Los Angeles, Calif.
Application August 28, 1939, Serial No. 292,259
11 Claims. (Cl. 122—448)

11. A steam generator comprising: a thermo-circulatory coil; an accelerating coil; a source of heat for the coils supplying more heat to the thermo-circulatory coil; means defining an ebullition chamber having a steam outlet and its water level above the level of the thermo-cir-

culatory coil; means connecting the thermo-circulatory coil in circuit with said chamber at points below the water level therein to effect thermal circulation therethrough upon heating of the coil; means for supplying water under pressure to one end of the accelerating coil; and means through which fluid is conducted from the



other end of the accelerating coil to the ebullition chamber and downwardly to a point therein, from which the fluid will, by its velocity and weight, discharge into an end of the thermo-circulatory coil so as to act to accelerate the aforementioned thermal circulation through the thermo-circulatory coil.

2,257,359

WATER-CONTAINING LUBRICANT FOR COMPOSITION BEARINGS

Robert C. Williams, Columbus, Ohio, assignor to The Ironsides Company, Columbus, Ohio, a corporation of Ohio

No Drawing. Application May 5, 1939, Serial No. 272,015

4 Claims. (Cl. 184—1)

1. The method of lubricating composition bearings of the phenol-formaldehyde resin type, comprising applying to the journal surfaces of such a bearing during active use of the latter a liquid composed principally of water and having uniformly dispersed therein minor percentages of a wetting agent, said agent being a water miscible compound of the class represented by the formula $R—SO_x—M$ wherein R represents a non-polar group of a hydrocarbon nature from the group consisting of fatty alkyls, primary and secondary non-fatty alkyls, and aryls; SO_x represents a strongly hydrophilic polar group from the class consisting of sulfates and sulfonates; and M represents an alkali metal.

2,257,360

DESENSITIZED PENTAERYTHRITOL TETRANITRATE EXPLOSIVE

Joseph A. Wyler, Allentown, Pa., assignor to Trojan Powder Company, Allentown, Pa.

No Drawing. Application February 8, 1940, Serial No. 317,903

5 Claims. (Cl. 52—11)

1. An explosive comprising pentaerythritol tetranitrate and a hydrated calcium nitrate of melting point greater than 35° C. and less than 100° C., said pentaerythritol tetranitrate being substantially embedded within the hydrated nitrates and the mixture being composed of discrete particles.

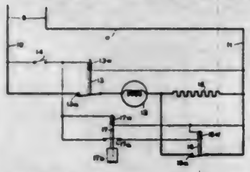
2,257,361

MATERIAL HANDLING MAGNET CONTROL

William R. Yorkey, Maplewood, N. J., assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application September 12, 1939, Serial No. 294,466

4 Claims. (Cl. 175—335)



1. The method of removing magnetic materials from a pile of loose material by means of an electromagnet which is placed on the pile and the magnet and magnetically attached material are then freed and lifted from the pile, and which method comprises creating with the magnet a separating flux effective on the material by temporarily overenergizing the magnet to a degree greater than that which, if continuous, would cause normal heating, maintaining said separating flux continuously while the magnet is in contact with material in the pile and the magnet and magnetically attached material are being freed and lifted from the pile, and, promptly after freeing and lifting the magnet and freed magnetically attached material, reducing the energization of the magnet to a value below normal and sufficient to create a holding flux capable of retaining the freed and magnetically attached material, and sufficiently low so that the reduced heating effect of the lowered energization compensates for the prior overheating occasioned by the temporary overenergization of the magnet.

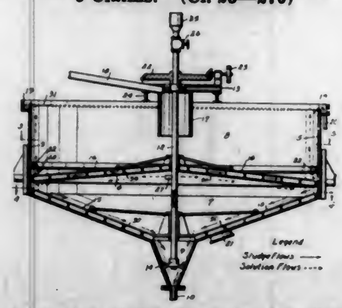
2,257,362

APPARATUS FOR TREATING LIQUID-SOLIDS MIXTURES

Emil C. Zitkowski, San Miguel, Tarlac, P. I.

Application July 1, 1940, Serial No. 343,372

6 Claims. (Cl. 23—270)



1. Apparatus of the character described, comprising a tank, a partition in the tank dividing the same into a plurality of superposed settling compartments and spaced from the sides of the tank to provide a peripheral passage, means for delivering a liquid-solids mixture into the upper compartment of the tank, means for removing clear solution from the upper portion of the tank, means for removing settled solids from the lower portion of the tank, means for moving solids settling into the upper compartment to the peripheral passage, said partition having radially

projecting serrations at its periphery for breaking the solids body descending into the peripheral passage and thereby exposing the individual surfaces of the solids constituents, and means for discharging wash liquid into the lower compartment in a position to rise through the peripheral passage countercurrent to the separated solids descending therethrough.

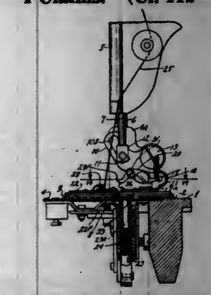
2,257,363

BLIND STITCH MECHANISM

Joseph F. Arver, St. Paul, Minn., assignor to Hidstitch Company, St. Paul, Minn., a copartnership composed of Joseph F. Arver and Harold E. Ruttenberg

Application April 1, 1938, Serial No. 199,397

4 Claims. (Cl. 112—176)



1. A blind stitch attachment for sewing machines and comprising a main frame of L shape in cross section the upright arm thereof detachably securable to the presser foot bar of a sewing machine, the base thereof comprising an elongated horizontal plate longitudinal of the sewing machine head, a needle holding frame retained for reciprocable movement on said base with the needle pointed toward the center of the base, an L shaped lever pivotally mounted on said arm and means connecting an arm thereof with the needle bar of the machine to impart vertical oscillating movement to said lever, the lever pivoted at the extremity of the other arm, means intermediate said L lever and the needle frame to impart horizontal reciprocating movement of the latter, said presser foot base provided with a central aperture traversed by the needle during reciprocating action, said base positioned directly over the cloth plate of the sewing machine and adaptable to bear down on cloth fed rearwardly between the base and said cloth plate, means coordinated mechanically with the cloth feeding means of the sewing machine for humping the cloth upwardly in the path of the needle in an inverted V form to provide double penetration of the goods by the needle projected horizontally through said V formation of the cloth and means for regulating the extent of said upward projection of the cloth humping means.

2,257,364

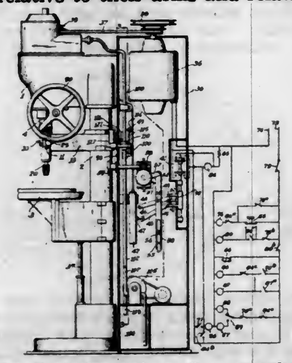
MACHINE TOOL

Harding F. Bakewell, San Marino, Calif.

Application October 3, 1939, Serial No. 297,697

19 Claims. (Cl. 10—129)

3. In a machine tool, a rotatable tapping spindle, a thread-leading element associated with the tapping spindle, a support adjacent the thread-leading element, arms shiftable relative to the support, threaded blocks mounted in the respective arms for circumferentially spaced engagement with the thread-leading element for centering the thread-leading element relative to the blocks, means for adjusting the threaded blocks relative to their arms and relative to the



thread-leading element, and means for shifting the arms to engage the threaded blocks with the thread-leading element.

2,257,365

VEHICLE BODY CONSTRUCTION

Edward R. Barrett, Detroit, Mich., assignor to Gar Wood Industries, Inc., Detroit, Mich., a corporation of Michigan

Application June 12, 1940, Serial No. 340,151

8 Claims. (Cl. 296—28)



1. A vehicle body comprising a central member and oppositely disposed side members secured to said central member, the outer edges of said central member having integral depending portions terminating in inwardly disposed flanges, the inner edges of said side members having integral depending portions terminating in outwardly disposed flanges, the depending portions of said side members extending below the flanges on the depending portions of said central member, said side members having upstanding side walls adjacent the outer edges thereof, outwardly extending bottom support members of Z-section, said support members being of uniform and substantially the same depth as the depending portions of said side members, the top flanges of said support members being secured to the bottoms of said side members and the bottom flanges of said support members being secured to the outwardly disposed flanges of the depending portions of said side members, said support members terminating substantially flush with the sides of said side members, and panel members secured to said support members adjacent the outer edges thereof and forming a depending continuation of the sides of said side members.

2,257,366

REFLECTOR FOR RADIANT HEAT

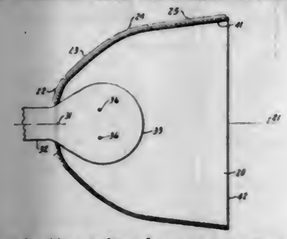
Earl J. Bates, Oakwood, and John S. Theiss, Dayton, Ohio, assignors to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland

Application February 9, 1940, Serial No. 318,200

10 Claims. (Cl. 219—34)

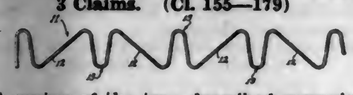
9. A parabolic reflector having a reflecting

shield on its mouth the contours of which shield are generated by a section of a circle tangent to the parabolic mouth and an axial section of a right circular cone having its mouth end at an angle to redirect side reflection toward the axis



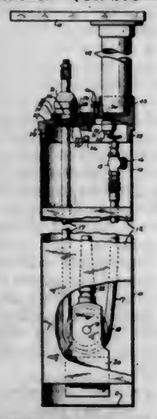
of the projection whereby a narrow cone of rays may be obtained from a deep reflector without loss due to repeated reflection, the center of the circle and the axis of the cone being on the axis of the reflector.

2,257,367
WIRE SPRING
Samuel S. Bernstein, Beverly Hills, Calif.
Application June 24, 1938, Serial No. 215,627
3 Claims. (Cl. 155—179)



3. A spring of the type described comprising a wire having lateral undulations forming alternate U-shaped portions and diagonal connecting portions, said diagonal connecting portions having a longitudinal curvature, said U-shaped portions being flat.

2,257,368
HOSE WELL
John D. Cochin, San Francisco, Calif.
Application March 12, 1940, Serial No. 323,571
4 Claims. (Cl. 299—78)



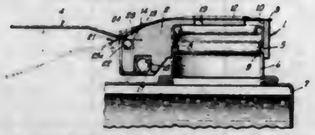
4. In a hose well having a casing for the reception of service hoses, a cap for the upper end of said casing comprising an annular portion secured to said casing, a cap section formed integrally with said annulus, a second cap section secured to said annular portion by means accessible from the interior of said casing, hose-bearing rollers rotatably mounted on said cap section, a third cap section, a bearing plate secured thereto from within said casing by a single bolt and having a tongue underlying said first named cap section, a plurality of hose-bearing rollers rotatably mounted on said bearing plate, and means formed on said third cap section for locking said third cap section to said second cap section.

2,257,369
CATHETER AND DRAINAGE TUBE
Thomas A. Davis, Portland, Oreg.
Application October 21, 1939, Serial No. 300,564
4 Claims. (Cl. 128—349)



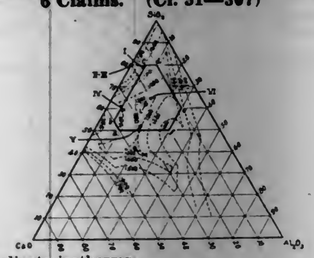
1. In a device of the class described, the combination of a pair of tubes with the respective tubes being coaxial for the major portion of their length and with the inner tube passing through the end of the outer tube at one of its ends and extending beyond the outer tube on its outer end, and with the respective tubes being sealed together where the inner tube passes through the outer tube and the outer tube having a plurality of ports extending through the wall of the outer tube and the inner wall of the outer tube and the outer wall of the inner tube being in spaced relationship with each other, and a groove disposed longitudinally and upon the outside surface of the outer tube, and a female threaded connection being disposed at one end of the outer tube.

2,257,370
CLOSABLE ORIFICE DEVICE
Robert E. De Kay, Los Angeles, Calif., assignor to Na-Mac Products Corp., Los Angeles, Calif., a corporation of California
Application September 2, 1939, Serial No. 293,210
5 Claims. (Cl. 221—21)



3. In a closable orifice device including a cap member having means for attachment to the open end of a container and defining an orifice through which contents of said container may be discharged, a closure member on the upper surface of said cap member horizontally slidable to open and close said orifice, and a handle for so sliding said closure member, the combination of: an upper extension formed integrally with said handle member and terminating in a lug portion; an opening in said closure member for receiving said lug; means defining a socket in the under side of said cap member; and a lower extension on said handle member terminating in a cylindrical bearing portion disposed below said lug and received in said socket for engaging the walls thereof as a bearing, whereby pivotal movement of said handle thereabout moves said lug horizontally to slide said closure member and open and close said orifice.

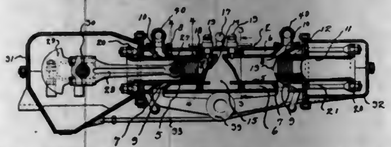
2,257,371
BONDED ABRASIVE ARTICLE
Peter de Leeuw and Charles E. Wooddell, Niagara Falls, N. Y., assignors to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Application November 10, 1939, Serial No. 303,830
6 Claims. (Cl. 51—307)



Dashes indicate isotherms.
L, M—indicate two of the entectic points.

1. A bonded abrasive article comprising aluminous abrasive and a vitrified binder which is substantially free from the oxides of alkaline metals and made from a mixture of alumina, lime and silica whose components fell within the limits 0–20 per cent Al_2O_3, 15–50 per cent CaO and 40–85 per cent SiO_2 before heating in contact with the abrasive grain.

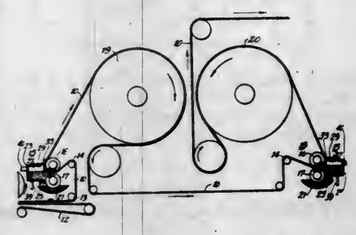
2,257,372
TWO-CYCLE DIESEL ENGINE
James A. Eaton, Birmingham, Mich., assignor to Francie Eaton, Birmingham, Mich.
Application April 20, 1939, Serial No. 268,897
1 Claim. (Cl. 123—57)



In a Diesel two-cycle engine, a unit comprising, a pair of longitudinally alined cylinders, a cylinder head connecting said cylinders and occupying the space therebetween, each having an offset chamber, a fuel injector nozzle arranged in each chamber, pistons reciprocally mounted in the cylinders, means operatively connecting the pistons together, a crank-shaft, connecting rods operatively connecting the crank-shaft to certain of the pistons, V-shaped extensions formed on the inner ends of the pistons adapted to ride into the cylinder head, each of the cylinders having diametrically opposite inclined inlet and outlet ports arranged intermediate their ends leading toward the cylinder heads adapted to be covered and uncovered by the pistons, a blower communicating with the inlet ports, and an exhaust manifold communicating with the outlet ports, said ports having inclined ways extending toward the cylinder heads, the inclined sides of the V-shaped piston extensions inclining toward said inclined inlet and outlet ports.

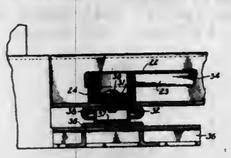
2,257,373
METHOD AND APPARATUS FOR COATING SHEET MATERIAL
John R. Fanselow, Appleton, Wis., assignor to K. C. M. Company, Dayton, Ohio, a corporation of Delaware
Application February 2, 1938, Serial No. 188,369
24 Claims. (Cl. 91—48)

1. In apparatus particularly intended for coating paper or fabric sheets having a porous surface, means for applying an excess of fluid coating material to a surface of the moving sheet,



means for passing the coated sheet with the excess coating material thereon through a region of decreased pressure, and means for subsequently doctoring off the excess coating material.

2,257,374
COLD STORAGE CABINET
Edward M. Fritz, Grand Rapids, Mich., assignor to Grand Rapids Cabinet Company, Grand Rapids, Mich., a corporation of Michigan
Application August 30, 1939, Serial No. 292,601
5 Claims. (Cl. 62—116)

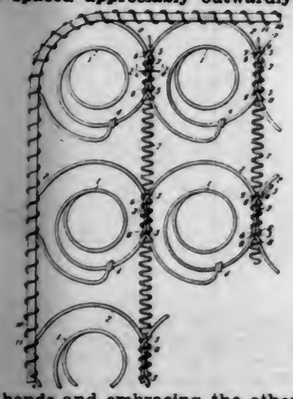


5. Means for removably mounting a refrigerating unit in a cabinet compartment having an access opening therein comprising track members extending into the compartment, laterally extending downwardly turned flanges on said track members, means carrying a refrigerating unit slidably mounted on said track members, and means associated with said last mentioned means engaged around the edges of said flanges for normally preventing substantial displacement of said unit carrying means in a lateral or upward direction.

2,257,375
UPHOLSTERY SPRING CONSTRUCTION
William W. Gleason, Chicago, Ill., assignor to Nachman Springfilled Corporation, Chicago, Ill., a corporation of Illinois
Application July 15, 1940, Serial No. 345,548
3 Claims. (Cl. 5—269)

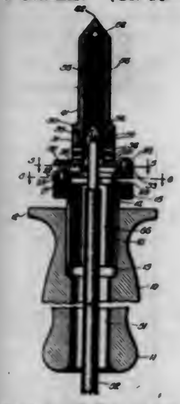
1. A structure of the type specified comprising a plurality of parallel rows of upholstery springs each equipped in its terminal coils with shallow inwardly bowed diametrically opposed formations each bordered at its ends by relatively sharp bends, the said formations of the springs of one row being overlapped upon the similar formations of the springs of adjacent rows to cause the middle portions of said bends to overlie each other and said sharp bends to be overlapped to the extent of providing openings therebetween, and helical tie-wires encircling the overlapped portions of said springs, said tie-wires being of an inner diameter slightly greater than the spacing apart of the apexes of the said sharp bends and em-

bracing portions of one spring of each pair at points spaced appreciably outwardly from said



sharp bends and embracing the other spring of each pair at points closely contiguous to and outwardly of said sharp bends.

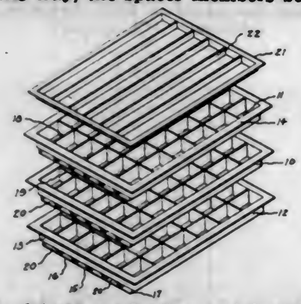
2,257,376
LOOP SPREADING TOOL
Erwin Grey, Kankakee, Ill., assignor to Paramount Textile Machinery Co., Chicago, Ill., a corporation of Illinois
Application April 13, 1940, Serial No. 329,418
6 Claims. (Cl. 66—1)



1. An implement of the class described comprising in combination a handle including a substantially cylindrical palmar and digital gripping surface and a flared flange at the inner extremity thereof; a working tip; heating means for said tip; and means interposed between said handle and tip to dissipate non-useful heat, said means comprising axially spaced radial fins maintained in spaced-apart relation by staggered supports whereby to provide a circuitous extended heat-traversing path between said tip and handle.

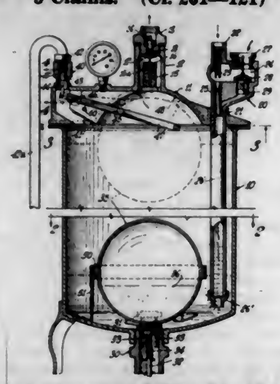
2,257,377
FREEZING TRAY
Acea R. Haben, San Antonio, Tex., assignor of one-half to Scobey Fireproof Storage Company, San Antonio, Tex., a corporation of Texas
Application September 30, 1937, Serial No. 166,463
6 Claims. (Cl. 62—104)

1. A freezing container including, a shallow body having a bottom and sidewalls, a false bottom secured to the underside of the bottom and spaced from said bottom to form a duct therebetween, and a plurality of upright spacer members unconnected with each other and located edgewise between packaged food products placed within the tray, the spacer members being con-



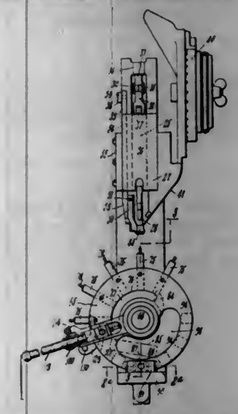
structed of heat conducting metal and having their lower longitudinal edges contacting the bottom whereby refrigerated air passing through the duct extracts the heat from the packages and contents thereof to cool the same.

2,257,378
HYDRAULIC COMPRESSOR
George W. Harris, Chicago, Ill.
Application March 13, 1940, Serial No. 323,655
3 Claims. (Cl. 261—121)



1. In a compressor of the class described including a tank and means for injecting air and water therein for compression of the air by increase of the water volume, the combination of a water drainage valve in the bottom region of the tank, means yieldably urging the valve into open condition, a float carried up and down with the rise and fall of the water within the tank, said float being lowered into operative engagement with said drainage valve to close the same when the water lowers to a certain level, said drainage valve being arranged and constructed to be held closed by a certain back pressure thereagainst from within the tank, said float being constructed for displacement from closing engagement with said drainage valve only by a volume of water which corresponds to the necessary back pressure to keep said valve closed, and valve means including an operating element in the upper part of said tank and actuated by rising movement of said float to relieve pressure within the tank and permit said drainage valve to open with a consequent lowering movement of the float again into operative engagement with the drainage valve to close the same for a repeated cycle of operation.

2,257,379
WORK SUPPORT FOR RIVETING AND SIMILAR MACHINES
Arthur R. Havener, Wayland, Mass., assignor to Judson L. Thomson Manufacturing Company, Waltham, Mass., a corporation of Massachusetts
Application May 10, 1939, Serial No. 272,868
11 Claims. (Cl. 218—0.5)



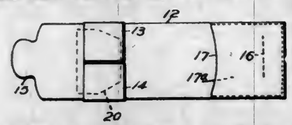
1. In a machine of the class described, the combination with means for operating on work, of a work support rotatably mounted for presenting in succession different portions of the work on said support to said operating means and axially movable into and out of operative relation to said operating means, and means acting when said support is moved axially into said operative relation to retain said support against rotation and in position to present a selected one of said work portions to said operating means and to free said support for rotation when said support is moved axially out of operative relation to said operating means.

2,257,380
REFRACTORY BODY
Leonard H. Hepner, Trenton, N. J., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
No Drawing. Application January 21, 1939, Serial No. 252,207
3 Claims. (Cl. 106—45)

2. A semi-porcelain glazed ware of the character described comprising a clay of the plastic siliceous refractory type and pyrophyllite, the resultant ware possessing the properties of low moisture expansion and increased craze resistance.

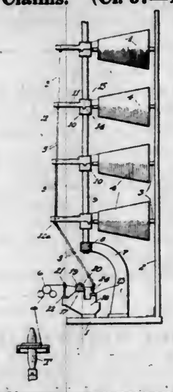
2,257,381
FOLDING CHECK COVER
Fred Humphrey and Adam Krieger, Denver, Colo., assignors to The Pass Book and Check Cover Company, Denver, Colo., a corporation of Colorado
Application December 26, 1939, Serial No. 310,969
7 Claims. (Cl. 281—19)

1. As an article of manufacture, a folding check cover comprising a one-piece jacket, a tongue-forming board covered by said jacket, a folded board providing a pocket for a pass book or the like and covered by said jacket, and an-



other folded board providing another pocket to receive the tongue, the jacket being glued entirely around said folded boards and turned in along an open edge of the last said pocket.

2,257,382
YARN DELIVERY ARRANGEMENT FOR CREELS
Frank B. Javery and Raymond C. Longvall, Worcester, Mass., assignors to Warp Compressing Machine Company, Worcester, Mass., a corporation of Massachusetts
Application September 1, 1939, Serial No. 293,102
6 Claims. (Cl. 57—106)

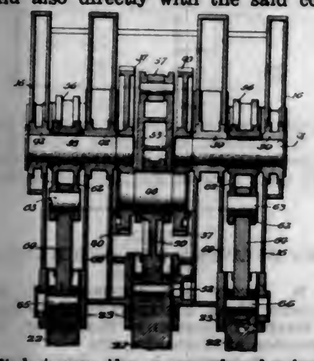


1. A yarn delivery arrangement for creels, comprising means for supporting a plurality of yarn packages one above the other, means for drawing individual yarns from said packages to a point of twist, and a plurality of yarn guides angularly adjustable with respect to an axis at right angles to the parallel axes of said packages for causing endwise withdrawal of separate yarns from said packages, and their passage to said point of twist in spaced relation.

2,257,383
PRESS
Einar K. Johansen, Chicago, Ill., assignor to Clearing Machine Corporation, Clearing, Ill., a corporation of Illinois
Application December 10, 1938, Serial No. 244,949
6 Claims. (Cl. 113—38)

1. In a drawing press, two slides, a pair of longitudinally spaced and alined shafts, a gear of comparatively large diameter rotatably supported by each of the adjacent ends of said shafts, said gears being laterally spaced, a shaft secured to said gears and extending across the space therebetween, the last said shaft being eccentric to the axes of the gears, a link connection between the last said shaft and one of said slides, a rocker shaft spaced from and parallel with all of the aforesaid shafts, a rocker member oscillatably mounted upon the gear supporting shaft, a link connection between said rocker

member and the other of said slides, a link connection between said rocker member and said rocker shaft, and a link connected to said rocker shaft and also directly with the said connect-

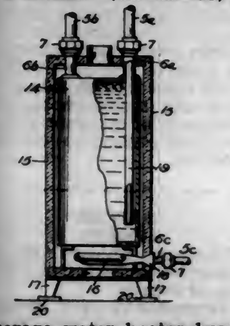


ing shaft between the gears whereby both the inner slide and the outer slide will be directly operated by the said connecting shaft between said gears.

2,257,384
CATALYTIC PROCESS
William B. Johnston, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application July 13, 1939, Serial No. 284,243
6 Claims. (Cl. 260—485)

1. A process which comprises reacting, in the presence of a dioxanate of a metal halide as a catalyst, organic substances, the reaction of which is catalyzed by the same metal halide.

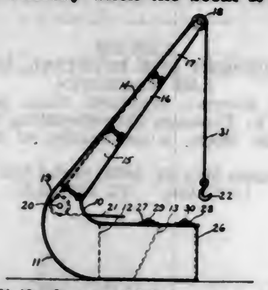
2,257,385
STORAGE WATER HEATER
John G. Keegan, Cheyenne, Wyo.
Application September 11, 1939, Serial No. 294,333
8 Claims. (Cl. 122—13)



3. In a storage water heater having a tank, the improvement which comprises a dielectric conduit sealed into a wall of the tank and projecting into the interior of the tank, and means for holding the outer end of the conduit in sealed water-conductive connection with a water pipe.

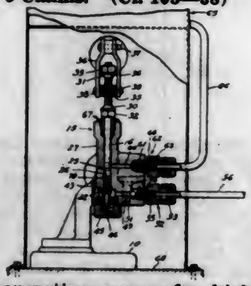
2,257,386
DERRICK
Paul Kempe, Milwaukee, Wis.
Application June 17, 1940, Serial No. 341,030
2 Claims. (Cl. 189—16)

1. A derrick comprising a hollow base, a curved end on said base, partition walls within the base, a sectional boom attached to the curved end of said base whereby when the boom is manually



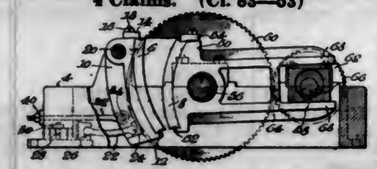
lifted to tilt the base, said base may gradually be filled with weight material to raise the boom with the curved end as a fulcrum.

2,257,387
HIGH PRESSURE PUMP
Robert E. Kinkade, Long Beach, and Cal B. Mallonee, Huntington Beach, Calif.
Application May 20, 1940, Serial No. 336,202
5 Claims. (Cl. 103—38)



1. In an operating means for high pressure pumps, the combination, with the pump proper and its piston rod; of a pair of abutment members secured to said rod in a longitudinally spaced relation to each other, the adjacent sides of said members having concave faces, an impact member mounted to reciprocate between said abutment members, said impact member having opposite sides furnished with convex faces to impact against the concave faces of said abutment members, and means to reciprocate said impact member, said impact member positively actuating said rod in opposite directions.

2,257,388
TRIPLE CRUSHING MACHINE
George E. Krider, Duncansville, Pa.
Application August 2, 1940, Serial No. 349,537
4 Claims. (Cl. 83—53)



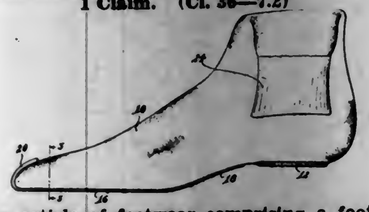
1. In a machine for crushing materials comprising a frame, a stationary jaw member and a movable jaw member, said stationary jaw member being rigidly supported upon said frame and

an elongated horizontal carrying member supporting the said movable jaw, the said jaw members being positioned to have their faces oppositely disposed as to each other and arranged to provide a tapered opening there between, the carrying member of the movable jaw member being pivoted at a point adjacent the jaw upon a rotatable eccentric shaft, the opposite end of the said carrying member being supported upon a block slidable horizontally of the said support through which passes a second rotatable eccentric shaft of greater throw than the first eccentric shaft whereby the jaw carrying member will be oscillated about the axis of the first shaft when the machine is in operation.

2,257,389
RECOVERY OF LEVULINIC ACID
Alexander Douglas Macallum, London, Ontario, Canada, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 2, 1939, Serial No. 297,620
2 Claims. (Cl. 260—528)

1. In a process for recovering levulinic acid from a crude aqueous solution of the same obtainable by heating a carbohydrate material with an aqueous solution of a mineral acid, the step which comprises extracting said aqueous solution with methylene chloride.

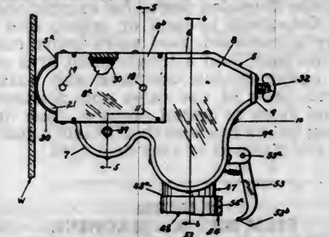
2,257,390
FOOTWEAR
Roy Maling, West Roxbury, Mass.
Application August 20, 1940, Serial No. 353,365
1 Claim. (Cl. 36—7.2)



An article of footwear comprising a foot-enclosing element made of resiliently stretchable textile material conformable to the contour of a shoe inserted therein, said material having extent to underlie the full area of forepart of the shoe; an insole within the foot-enclosing element, secured to said underlying portion of the textile material, and extending throughout the forepart area of said element, and terminating short of the heel region; a flexible outsole secured to the outer side of said underlying portion of the textile material and terminating short of the heel region; there being a hole in said element at the heel region thereof, for passage of a shoe heel; and resilient means secured around the edge of said hole, whereby the edge of hole snugly closes upon the basal portions of shoe heels of various sizes and contours.

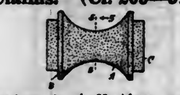
2,257,391
WINDOW CLEANER OR WASHER
Alexander D. McDonell, Vancouver, British Columbia, Canada
Application July 10, 1940, Serial No. 344,626
2 Claims. (Cl. 15—99)

1. A window cleaner comprising a housing open at one side, a pair of belt rollers journaled in the housing in spaced, parallel alignment, one of the rollers protruding at its periphery partially through the open side of the housing, the inner roller serving also as a wringer roller, an endless cleansing belt mounted over the rollers, another wringer roller journaled in the housing outwardly of and in contact with the inner wringer roller and cleansing belt thereon, a water motor mounted in the housing, gear connections between the



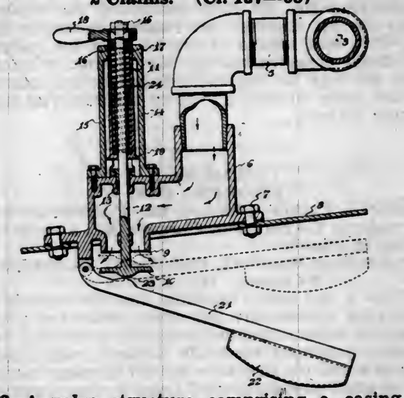
motor and the rollers for operating the latter, a hollow, drained handle for the housing, a relatively small feed pipe extended up through the handle into the housing and operatively connected with the intake side of the motor, a discharge pipe connected with the discharge side of the motor and extended between the belt rollers within the belt thereon.

2,257,392
REGENERATIVE FURNACE
Edwin E. Milner, Muncie, Ind.
Application October 21, 1940, Serial No. 362,022
2 Claims. (Cl. 263—51)



1. A regenerator installation comprising line bricks arranged in alignment one row above another, the bricks of one or more rows being spaced, and spool shaped concavo-concave tie bricks each embodying at each of its ends a stud rectangular in cross section and that is reposed between the edges of the facing ends of the spaced line bricks.

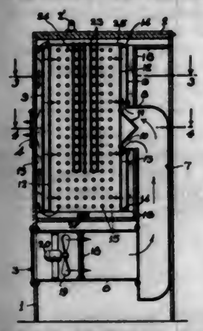
2,257,393
AUTOMATIC DIVERTING VALVE
Ralph O. Moore, Tulsa, Okla.
Application August 25, 1939, Serial No. 291,958
2 Claims. (Cl. 137—68)



2. A valve structure comprising a casing, a

valve seat carried by the casing, a valve engaging the seat and normally closed, a valve stem carried by the valve, a yoke carried by the casing on the outside thereof, a sleeve threaded in said yoke and surrounding the valve stem, a collar carried by the valve stem within the sleeve, an expansion spring interposed between the collar and the bottom of the threaded sleeve, means for rotating the threaded sleeve for varying the tension of the spring, a tank on which said valve structure is mounted, said valve being disposed within the tank, and a hinged float arm carried by the casing within the tank and extending across the path of the valve and positioned to force said valve to seated position upon upward movement of the free end thereof and a float carried by the free end of said float arm.

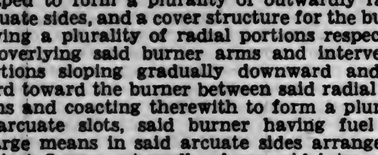
2,257,394
FILM DRYING MACHINE
Milton Niersbach, Petaluma, Calif.
Application May 6, 1940, Serial No. 333,479
3 Claims. (Cl. 34—233)



2. In apparatus of the kind described, an inner enclosure having at least one of its opposite ends open and its walls perforated to admit air to its interior, means for supporting material to be treated inside the inner enclosure, an outer enclosure disposed laterally around the inner enclosure and spaced therefrom to provide an air channel encircling the inner enclosure, the said air channel being closed at its opposite ends, an enclosing cabinet in which the enclosures are housed having air inlet and air outlet means, closure means in the cabinet located adjacent an open end of the inner enclosure, an air duct connecting the air inlet means of the cabinet with the air channel, air heating means in the air duct, and means in the air duct for forcing air under pressure into the air channel, whereby said air may be circulated through the interior of the inner enclosure to treat the material supported therein.

2,257,395
COOKING TOP
Claude E. Parker, Chicago, Ill., assignor to Gas Products Corporation, Chicago, Ill., a corporation of Illinois
Application March 16, 1940, Serial No. 324,293
9 Claims. (Cl. 126—39)

1. In a gas range cooking top, the combination with a generally flat sheet metal top plate having a burner opening in it, and a burner head located generally centrally beneath said opening, of a closure structure in said opening having a marginal portion spaced from the surrounding edge of the top plate opening and coacting with it to define a flue for an updraft of cooling air at the periphery of said opening, said structure also constituting a heat barrier preventing downward reflection of heat from the burner and being characterized particularly by the provision of an annular peripheral portion spaced above



the upper surface of said top plate so that hot gases escaping laterally from between a utensil overlying the unit and the top of said structure are directed over the top plate at a corresponding distance above it with a stratum of cooling air interposed between the top plate and such hot gases.

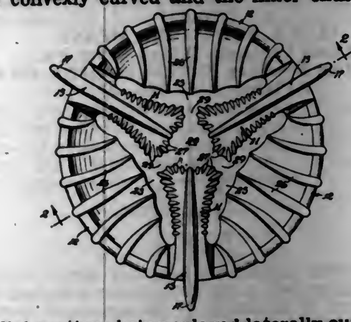
2,257,396
TOP STRUCTURE FOR COOKSTOVES
Claude E. Parker, Chicago, Ill., assignor to Gas Products Corporation, Chicago, Ill., a corporation of Illinois
Application May 11, 1939, Serial No. 272,984
18 Claims. (Cl. 126—39)

1. A cooking top structure for gas cookstoves comprising, in combination, a burner having a plurality of equidistantly spaced radial arms shaped to form a plurality of outwardly facing arcuate sides, and a cover structure for the burner having a plurality of radial portions respectively overlying said burner arms and intervening portions sloping gradually downward and inward toward the burner between said radial portions and coacting therewith to form a plurality of arcuate slots, said burner having fuel discharge means in said arcuate sides arranged to project flames outwardly above said intervening portions of the cover structure.

2,257,397
TOP BURNER CLOSURE STRUCTURE
Claude E. Parker, Chicago, Ill., assignor to Gas Products Corporation, Chicago, Ill., a corporation of Illinois
Application March 30, 1940, Serial No. 326,883
15 Claims. (Cl. 126—39)

1. A closure unit of the type set forth comprising, in combination, a plurality of radially extending portions presenting utensil seating surfaces of elongated ridge form on their tops,

means intermediate said radial portions presenting wide top surfaces dished shallowly downward and inward, the inner edges of said surfaces being convexly curved and the inner ends of said



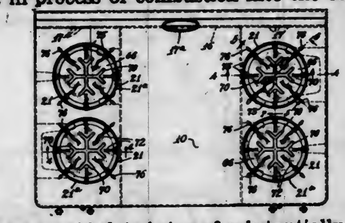
radial portions being splayed laterally outward to match generally the curvature of said edges but spaced therefrom to define therewith elongated slots for the issuance of flames through said slots and over said top surfaces.

2,257,398
COOKING TOP SUPPORT
Claude E. Parker, Chicago, Ill., assignor to Gas Products Corporation, Chicago, Ill., a corporation of Illinois
Application February 29, 1940, Serial No. 321,498
1 Claim. (Cl. 126—214)

A utensil supporting structure for cook stove tops comprising three arms lying respectively along three substantially equidistant radii from the center of an underlying burner and all having top surfaces sloping gradually inward and downward toward such center at substantially equal angles, and auxiliary supporting elements between said arms presenting top surfaces disposed below the top surfaces of said arms so as to be normally out of contact with a flat utensil bottom seated upon said arms and in centered position above the burner.

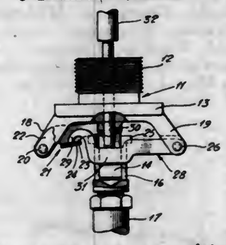
2,257,399
GASEOUS FUEL COOKSTOVE
Claude E. Parker, Chicago, Ill., assignor to Gas Products Corporation, Chicago, Ill., a corporation of Illinois
Application October 20, 1938, Serial No. 235,961
11 Claims. (Cl. 126—39)

1. A gas cook stove having, in combination, means for supporting a cooking utensil with its bottom surface exposed, a burner having a plurality of radial arms with outlet means at opposite sides thereof for discharging gaseous fuel upwardly and laterally beneath a utensil so supported, and a hearth located immediately beneath said utensil-supporting means to define between the top surface of the hearth and the utensil bottom surface supported on said means a vertically shallow combustion space, said hearth comprising a substantially flat refractory disk overlying and substantially concealing the burner and having slots disposed above and at opposite sides of the burner arms for the passage of gases in process of combustion into the combus-



tion space, said slots being of substantially greater width at the bottom of the disk than at the top thereof, and said slots being only partially underlaid by the burner arms to permit an updraft of secondary air through the unclosed lower end portions of the slots to flames issuing from said burner outlet means.

2,257,400
LEVER MECHANISM
William A. Ray, Glendale, Calif.
Application October 18, 1940, Serial No. 361,753
6 Claims. (Cl. 74—110)

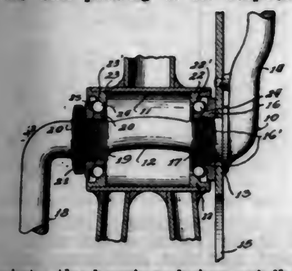


1. A lever mechanism, comprising a supporting member having a bore in the upper portion thereof and a lower elongated guide portion coaxial with said bore, said guide portion having a longitudinal slot therethrough communicating with said bore, a sleeve reciprocable on a lower portion of said guide portion, a first and a second lever arm pivoted respectively at one end on opposite sides of said supporting member, the free end of said first arm extending inwardly so as to engage said sleeve, the free end of said second arm extending inwardly through said slot and engaging said first arm between the ends thereof, and a rod reciprocable in said bore and engageable with said second arm.

2,257,401
CRANK BEARING FOR BICYCLES
Frank W. Schwinn, Chicago, Ill.
Application August 2, 1939, Serial No. 287,897
1 Claim. (Cl. 308—179.5)

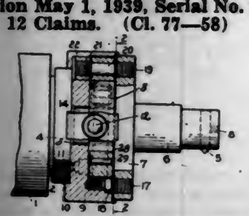
For journaling a crank or the like in its hanger, two coaxial combination radial and end thrust ball bearings, each bearing comprising a cone member threaded upon and carried by the crank, a cup member positioned both radially outwardly from and axially inwardly of the cone and carried by the hanger, and a single annular set of balls riding between the cone and cup members, the ball race of one of the members being annularly contoured for substantially two arcuately spaced points of contact with the balls, and the

ball race of the other member being annularly contoured as an inter-parallel band or zone of a spherical surface whose center is at the intersection of the axis of the bearings and the extended diameter of a ball, which diameter bisects radii of the ball passing to its respective said



contact points, the bearings being axially spaced apart a considerable distance with the centers of said spherical surfaces of said other members of the two bearings more widely spaced apart along the axis and axially outwardly of the planes of the two sets of balls.

2,257,402
RETRACTING MECHANISM FOR BORING TOOLS
Gherald D. Scott, George A. Whittemore, and Frank A. Glendon, Worcester, Mass., assignors to The Heald Machine Company, Worcester, Mass., a corporation of Massachusetts
Application May 1, 1939, Serial No. 271,004
12 Claims. (Cl. 77—58)



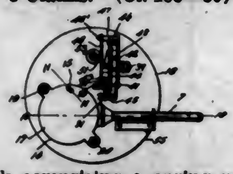
1. In mechanism of the class described, a rotatable spindle, a tool carrying member mounted for limited rocking movement on said spindle about an axis substantially at right angles to the axis of the spindle, a threaded pin in one of said parts abutting the other and adapted by turning movement to procure a movement of the carrying member about its axis, and means connected to said pin for turning said pin upon rotation of the spindle.

2,257,403
LIVE BAIT HOLDER
Oliver W. Vandine, Lead, S. Dak.
Application April 30, 1941, Serial No. 391,177
2 Claims. (Cl. 43—40)



1. A bait holder comprising a pair of rods having parts extending toward each other and terminating in eyes, a rod passing through the eyes and hingedly connecting the parts together, downwardly and inwardly curved hooks carried by the rods for engaging live bait without killing the same, a spring for causing the points to engage the bait, and a fish hook connected with a rod.

2,257,404
CLOCK REWINDING MEANS
Kamil Urbanski, Wilkes-Barre, Pa.
Application February 25, 1939, Serial No. 258,493
8 Claims. (Cl. 185—39)



1. A clock comprising a spring motor having a winding arbor, a vacuum motor adapted for connection to a source of vacuum, gear means operatively connecting said vacuum motor to said winding arbor, a valve controlling connection of said vacuum motor with said source, said valve having an operating member comprising a toggle lever, and automatic means connected with and time-controlled by said spring motor, said automatic means comprising a rotary element having an eccentric member, said eccentric member being operatively engageable with said toggle lever at predetermined intervals of time and for predetermined periods of time for opening and closing the valve to operate the vacuum motor for periodically winding said spring motor over a predetermined interval of time.

2,257,405
HYDROPLANE
Hanns Freiherr Schertel von Burtenbach, Wiesbaden, Germany
Application April 7, 1937, Serial No. 135,592
In Germany July 16, 1934
9 Claims. (Cl. 114—66.5)



1. A hydroplane boat comprising a hull having lifting planes secured thereto in spaced relation therebeneath, said hull being formed with a plurality of forwardly inclined gliding surfaces, said gliding surfaces extending respectively to the foremost, aftermost, and extreme side portions of the hull so as to exert the maximum righting moment when contacting the water, the bottom of said hull being formed with laterally extending upward steps, considered from fore to aft, at the after end of each of said gliding surfaces for aiding in throwing the water off from the hull behind said steps to decrease water resistance, said lifting planes being located beneath the after portions of the gliding surfaces adjacent the steps, the ends of said lifting planes being secured to the hull at the bilge edge, whereby in operation the gliding surfaces assist the lifting planes in their stabilizing action and supplement the lifting effect of the planes at low speed and in a heavy sea.

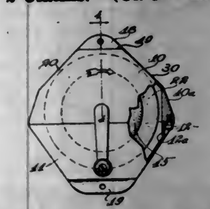
2,257,406
SUPPORTING PLANE FOR HYDROPLANES
Hanns Freiherr Schertel von Burtenbach, Wiesbaden, Germany
Application April 7, 1937, Serial No. 135,593
In Germany August 1, 1934
1 Claim. (Cl. 114—66.5)

In a hydroplane, a boat hull, transversely inclined water-supporting planes arranged in tandem order below and spaced from the hull, said planes including lower portions adapted to be permanently submerged in the water, upper portions adapted to be normally emerged from the



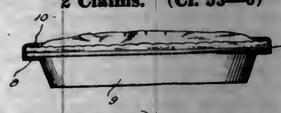
water, and intermediate portions adapted to be near the water level during travel of the hydroplane, at least a part of the said water-supporting planes being W-shaped as viewed from the direction of movement of the hydroplane.

2,257,407
KNIFE SHARPENER
Carlyle C. Wulff, Chicago, Ill.
Application November 30, 1940, Serial No. 368,077
2 Claims. (Cl. 51—128)



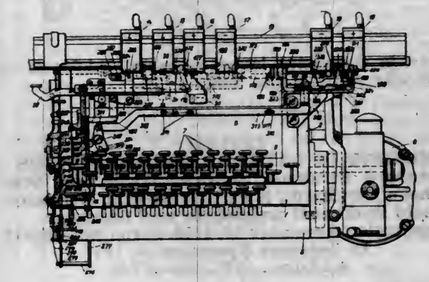
1. A knife sharpener, comprising an abrasive wheel, means mounting said wheel for rotation in a vertical plane, said wheel having a radial grinding face on each side thereof adjacent its periphery and which faces are slightly inwardly inclined towards said periphery, a casing over the upper portion of said wheel and substantially concentric therewith, said casing having a top portion overlying the top of said wheel, a depending front skirt integral with said top portion and overlying the upper front portion of said wheel, and a depending rear skirt integral with said top portion and overlying the upper rear portion of said wheel, a pair of longitudinally extending and laterally spaced guide slots through said top portion of said casing and the adjacent portions of said skirts, said slots commencing in said front skirt in substantially closely spaced vertical planes inwardly of said grinding faces and then extending throughout said front skirt and top portion in longitudinally diverging directions to laterally spaced points outwardly of said grinding faces, said slots then extending into said rear skirt in longitudinally converging directions and terminating therein in more widely spaced relation than at the front end.

2,257,408
PIECRUST GUARD
Charles G. Alexander, Lorain, Ohio
Application November 6, 1940, Serial No. 364,580
2 Claims. (Cl. 53—6)



1. A pie crust guard comprising a transversely split ring member, said ring member being of angular formation in cross section and having its split ends disposed in overlapping relation and adapted for positioning on the rim of a pie pan with one edge of the ring member overlying the crust of the pie.

2,257,409
TYPEWRITING-CALCULATING MACHINE
Robert Anschütz and Fritz Schmidt, Zella-Mehlis, Thuringia, Germany, assignors to Mercedes Buromaschinen - Werke Aktiengesellschaft, Zella-Mehlis, Thuringia, Germany
Application July 14, 1938, Serial No. 219,262
In Germany August 7, 1937
4 Claims. (Cl. 235—59)

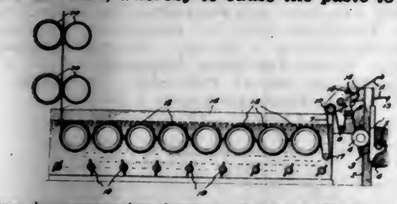


1. In a combined typewriter and calculating machine or the like, having a register, a manually operated lever for initiating subtotal taking operations, a zero setting slide member and an unlocking slide member, means controlled by said manually operated lever coacting with a numeral wheel of said register for limiting the movement of said zero setting slide member, a driving shaft, means adapted to be coupled with said driving shaft under control of said manually operated lever, means for driving said zero setting slide to effect subtotal taking operations, a main calculating shaft, a connecting shaft, a reversible gearing intermediate said main calculating shaft and said connecting shaft, coupling means including a coupling wheel slidable on said connecting shaft and adapted to be engaged with said zero setting slide member to drive said main calculating shaft, a rockable actuating segment movable into operative driving relation to the connecting shaft, and an energy accumulator for driving said segment, in combination, means operated by said unlocking slide member to control the driving relation between said rockable actuating segment and said connecting shaft, a member for initiating typing operations under control of said drive shaft coupled means, members driven by said initiating member for effecting disengagement of said coupling wheel from said zero slide member and thereby interrupt the driving connection between said main calculating shaft and said zero setting slide driving means, means controlled by said manually operated lever for maintaining the operative driving relation between said actuating segment and said main calculating shaft.

2,257,410
PROCESS AND APPARATUS FOR CONTINUOUSLY MANUFACTURING ARMORED CONSTRUCTION BOARDS
Gerrit Jan Arentsen, Diemerbrug, near Amsterdam, Netherlands
Application January 27, 1939, Serial No. 253,231
In the Netherlands January 27, 1938
3 Claims. (Cl. 91—31)

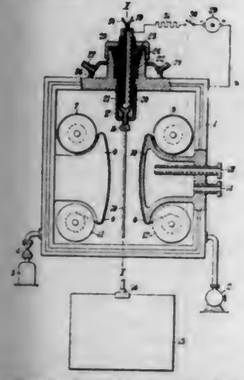
1. A process for manufacturing armored construction boards comprising, continuously passing successive portions of an armoring web through a bath of coating paste and alternately subjecting opposite sides of the web to a rough-

ening and compressing action, each of equal force and duration, whereby to cause the paste to ad-



here in successive layers of equal thickness to opposite sides of the web.

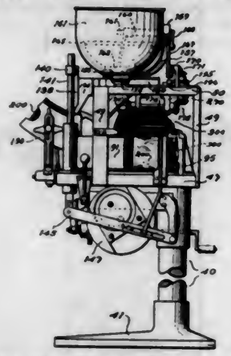
2,257,411
METHOD OF CATHODE DISINTEGRATION
Bernhard Berghaus, Berlin-Lankwitz, and Wilhelm Burkhardt, Berlin-Grunewald, Germany; said Burkhardt assignor to said Berghaus
Application November 29, 1938, Serial No. 243,013
In Germany November 30, 1937
4 Claims. (Cl. 250—27.5)



1. The method of coating material by cathode disintegration wherein the cathode has a surface area greater than 50 square centimeters which comprises, placing the material to be coated within a sealed conductive housing, filling the housing with hydrogen gas and adjusting the pressure within the housing to support cathode disintegration therein, impressing a voltage across the cathode and the housing to disintegrate particles from the surface of the cathode onto the material to be coated, and maintaining said voltage at such a value that the electrical energy providing the disintegration heats the cathode to such a temperature that the surface of the cathode starts to fuse.

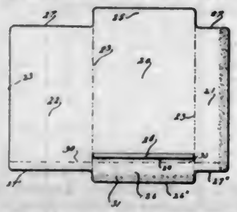
2,257,412
DISPENSING DEVICE
Austin S. Chandler, Fitchburg, Mass., assignor to The Brown Bag Filling Machine Company, Fitchburg, Mass., a corporation of Massachusetts
Original application October 30, 1936, Serial No. 108,487. Divided and this application January 26, 1939, Serial No. 253,021
16 Claims. (Cl. 221—105)

1. In a machine of the character described, a material measuring device comprising a reciprocating open measure, a hopper mounted thereover having a rectilinear discharge plate apertured to register with the measure at one position and normally having the measure in close slidable and separable relation thereto, a support for the hopper comprising a frame having a pivotal mounting a distance from the discharge plate aperture constructed so that said hopper may swing upwardly and laterally to a tilted position, a shaft mounted revolubly in the hopper, an agitator sweep fixed thereon within the hopper to swing in spaced relation to the discharge plate, an operating arm fixed on the shaft without the hopper and having movement above and



below a mean normal radius, a counter shaft revolubly mounted on a fixed axis, a crank thereon of shorter radius than the arm and a link connected between the crank and the operating arm, the arm and crank being adapted to extend in the mean direction of the location of the first shaft when the hopper is tilted, and having an aggregate length at least equal to the distance from the counter shaft to the full limit of movement of the shaft on said pivotal mounting, and means to secure the hopper in normal operative position.

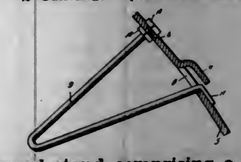
2,257,413
ENVELOPE OR CONTAINER
Austin S. Chandler, Fitchburg, Mass., assignor to The Brown Bag Filling Machine Company, Fitchburg, Mass., a corporation of Massachusetts
Application May 16, 1939, Serial No. 274,062
2 Claims. (Cl. 229—85)



1. In an envelope of the character described, a blank shaped to present a front wall and a back wall, the front wall having a bottom flap extended longitudinally therefrom, a shear strip on the inner face of the front wall at least, spaced from the bottom boundary of the walls and united throughout its length with the front wall at least and being a band of sufficient width to be grasped initially by the fingers of a person for the use described, said walls being both folded inward together upon the back wall on a line immediately outward of said strip, and said bottom flap at least extended a distance longitudinally inward on the bag beyond said strip and secured

to the back wall to form a laminated reinforced part inwardly of the said strip, for the purposes described.

2,257,414
THREAD STAND
Salvador G. Garcia, Somerset Centre, Mass.
Application March 15, 1941, Serial No. 383,647
2 Claims. (Cl. 242—130)



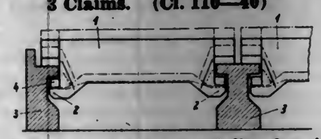
1. A thread stand comprising a plate having a slot therein, a substantially V-shaped, resilient bracket having one end secured to the plate and its other end portion operable in the slot, said bracket being engageable in a spool for mounting said spool on the plate, a tongue on the plate in back of the slot, and a foot on said other end portion of the bracket engageable with the plate and with the tongue for limiting the movement of the bracket in opposite directions through the slot.

2,257,415
FISHLINE SINKER
Olof B. Gerdin, Seattle, Wash.
Application May 24, 1940, Serial No. 337,055
6 Claims. (Cl. 43—52)



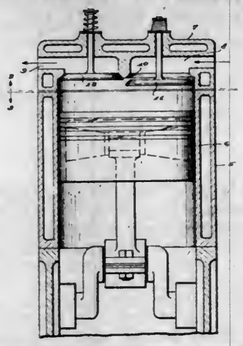
1. In a fish line sinker, a sinker body; a relatively wide hook shaped line engaging member having two spaced apart side portions secured to said sinker body in spaced apart relation longitudinally of said sinker body and having a tip bar connecting said two side portions and extending longitudinally of said sinker body and positioned close to said sinker body; and fish line retaining means rigid with said sinker body and extending outwardly therefrom and positioned between said side portions of said hook shaped member, whereby said sinker may be operatively engaged with a fish line at a location in the line removed from the ends thereof by passing a portion of the fish line under said hook shaped member and over said line retaining member.

2,257,416
TRAVELING GRATE
Kurt Grethe, Bochum, Germany
Application December 28, 1938, Serial No. 248,112
In Germany August 27, 1937
3 Claims. (Cl. 110—40)



1. A traveling grate especially for induced draught roasting and sintering or similar plants comprising an endless circulating grate band including a plurality of cross bars arranged transversely to the direction of travel of the band and provided with grooves, a series of fixed longitudinal bars forming the surface of the grate band arranged with slight clearance in the grooves of the cross bars, a series of movable longitudinal grate bars arranged alternately between the fixed bars with their ends engaged in the grooves of the cross bars so that only a limited amount of vertical play out of the plane of the grate bars is allowed, heads on both the fixed and movable grate bars having alternately wedge-shaped engaging surfaces, projections on opposite sides and at the inner ends of each of the heads on the fixed grate bars for engaging the corresponding projections on the adjacent fixed bars so that the fixed bars are mutually supported, said projections also constituting seats for the inner ends of the heads of the movable bars and means for widening the gaps between said bars along their entire length at the reversal of the grate on to the under side of the band.

2,257,417
POWER CYLINDER FOR INTERNAL COMBUSTION ENGINES
Frank H. Kelley, Cumberland, Md.
Application April 8, 1940, Serial No. 328,554
1 Claim. (Cl. 123—193)



In an engine of the class described, a block having a cylinder therein, said cylinder having flat sides and outwardly bowed ends, a crankshaft below the cylinder, the long diameter of the cylinder being parallel to the crankshaft, a piston in the cylinder of the same shape as the cylinder, a rod connecting the piston with the crankshaft, a head for the block having a combustion chamber therein of the same shape and size as that of the cylinder, said head having inlet and exhaust passages in communication with the combustion chamber and inlet and outlet valves controlling such passages, said valves being located directly over the piston, the inlet passage having a portion located adjacent and concentric to one end of the combustion chamber, and the exhaust passage having a part located adjacent and concentric to the other end of the combustion chamber, and said combustion chamber forming a continuation of the cylinder.

2,257,418
DETACHABLE BIT ROCK DRILL
Gustave Knutson, South Porcupine, Ontario, Canada, assignor, by mesne assignments, to International Detachable Bits & Equipment, Limited, Timmins, Ontario, Canada, a corporation of Ontario, Canada
Application March 31, 1938, Serial No. 199,200
10 Claims. (Cl. 255—64)

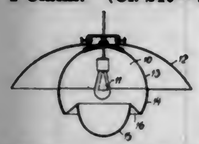
1. In a detachable bit rock drill, the combina-

tion with a shank member and detachable bit member, of a detachable connection between bit and shank members comprising a diametrical



tongue of dovetail cross-section and arcuate in longitudinal vertical section on the end of one of the members receivable into a correspondingly shaped slot in the end of the other member.

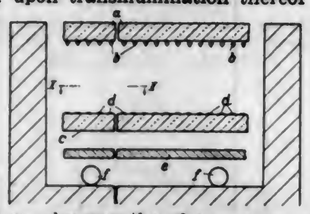
2,257,419
LIGHTING FIXTURE
Friedrich Wilhelm Anton Kurz, Orrefors, Sweden, assignor to Aktiebolaget Orrefors Glasbruk, Orrefors, Sweden, a corporation of Sweden
Application February 14, 1940, Serial No. 318,953
In Sweden March 14, 1939
1 Claim. (Cl. 240—78)



A lighting fixture comprising a unitary glass shade surrounding a light source and a concave uniformly curved reflector mounted above said shade and light source with the lower edge thereof terminating substantially in a horizontal plane passing through the light source, said shade comprising a substantially hemispherical upper portion of clear glass above the horizontal plane through the light source with the light source at the approximate center thereof whereby the light rays pass therethrough to the reflector without refraction or reflection, a zone of translucent glass extending below said horizontal plane through the light source and formed as a continuation of the hemispherical wall of said upper portion, a cup shaped translucent portion centered below said light source, and a frusto-conical wall of clear glass joining the rim of the cup to the lower rim of said translucent zone and disposed so that reflected light only can pass therethrough.

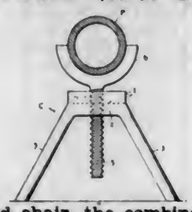
2,257,420
ARRANGEMENT FOR DETERMINING THE DISTANCE OF AN OBSERVER FROM PREDETERMINED OBJECTS
Ernst Lau, Berlin-Karow, Germany
Application February 27, 1939, Serial No. 258,861
In Germany October 1, 1937
4 Claims. (Cl. 88—1)

1. An optical device adapted to indicate to an observer the distance between the observer and the device, comprising a front system of rectilinear opaque strips or rods of like width fixed in spaced parallel relation in a single plane and having light-permeable interstices between them, a rear system of substantially identical construction arranged directly behind and in a plane parallel to and spaced a definite fixed distance from the plane of the front system, and means for transilluminating said systems, the front and rear systems being fixedly disposed with the rods or strips of one slightly angularly displaced with respect to those of the other and being spaced at such a distance apart as to cooperate upon transillumination thereof to pre-



sent to an observer the phenomenon of superpositioned stripes the inclination of which is dependent upon and indicative of the distance of the observer from the device and the inclination of which varies in a predetermined manner with variation of the distance of the observer therefrom in a fixed direction.

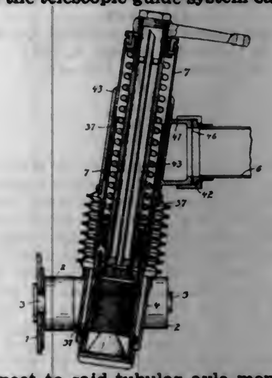
2,257,421
SCREED CHAIR
Allen Chester Mabry, College Park, Ga.
Application October 7, 1939, Serial No. 298,487
1 Claim. (Cl. 72—128)



In a screed chair, the combination of a rectangular plate provided with a centrally disposed bore therethrough; a pair of depending lateral ribs on two of the opposite edges of said plate, respectively; a leg extended outwardly and downwardly from each end of each of said ribs, said legs being symmetrically disposed relative to said plate, so as to project from the corners thereof; a cylindrical sleeve depending from said plate concentric with said bore; a threaded stem slidably received through said bore in said sleeve, and provided on its upper end with a semi-circular pipe holder; and a nut on said stem supported by said plate.

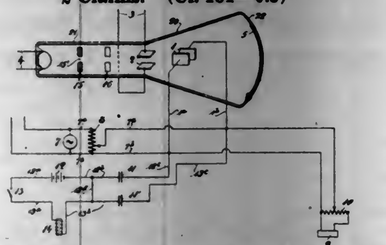
2,257,422
JOINT FOR WHEEL SUSPENSION DEVICES
Friedrich Eugen Maier, Berlin-Charlottenburg, Germany
Original application November 27, 1935, Serial No. 51,820. Divided and this application May 6, 1940, Serial No. 333,689. In Germany August 29, 1935
1 Claim. (Cl. 280—96.2)

Independent wheel suspension, comprising a telescopic guide system for the springing motion of the suspension, said system including a tubular member extending transversely on said telescopic system, a tubular axle member forming part of the chassis of the vehicle, one of said members being screw threaded, a threaded ring screwed on said screw threaded members, said ring having an inner flange portion engaging behind an outer flange portion of the opposite member, for detachably connecting said members together, the adjacent faces of said tubular members being toothed for mutual engagement, whereby the telescopic guide system can be swung



with respect to said tubular axle member by releasing said threaded ring and locked in position by tightening said ring.

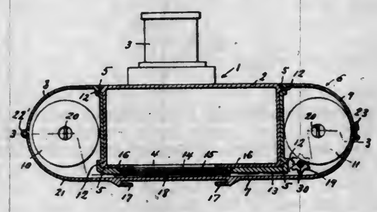
2,257,423
DETERMINING THE VELOCITY OF ELASTIC WAVES IN THE GROUND
Johan David Malmqvist, Stockholm, Sweden, assignor to Bolidens Gruvaktiebolag, Stockholm, Sweden, a limited joint-stock company of Sweden
Application June 20, 1939, Serial No. 280,161
In Sweden June 18, 1938
2 Claims. (Cl. 181—0.5)



1. That method of measuring the velocity of propagation of seismic impulses through the ground which consists in producing a cathode ray, causing said ray to oscillate under the influence of a sine-curved alternating current of definite frequency, causing the production of a seismic shock in the ground and thereby imposing for an instant a second electric current on the sine-curved current to vary the oscillation and distort the path of the cathode ray, causing said shock to again impose for an instant the second current on the sine-curved current from a point in the ground spaced at a known distance from the point of origin of the shock whereby to again vary the oscillation and distort the path of the ray oscillations rendering the ray oscillations visible, and determining the distance between the two distortions and therefrom determining the velocity of propagation.

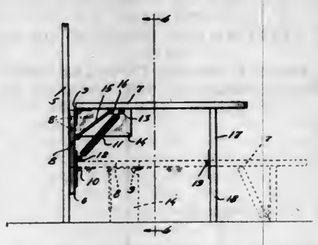
2,257,424
CAMERA
Raymond W. Meyer, Champaign, Ill.
Application August 31, 1939, Serial No. 292,950
1 Claim. (Cl. 95—31)

A camera comprising a box having an exposure opening in one wall thereof and adapted to carry a lens in an opposite wall, a head on another wall of said box projecting beyond the ends and exposure opening wall thereof, a removable film magazine slidably mounted on the box for movement into engagement with the head, said film magazine including a pair of walls forming a film passage, one of said walls having an exposure opening therein which is alined with the box exposure opening by the sliding engagement



and film chambers on the ends of said film passage adapted to receive the box therebetween, said film chambers being adapted for the reception of spools and said film chambers being engageable beneath the end portions of the head with the spools perpendicular to the head, and means on said end portions of the head for actuating the spools in the chambers, the film passage having a slot on the opposite side from the head and a shutter slidably mounted in said slot to close the opening in the passage.

2,257,425
COMBINATION TABLE AND BED
Mario V. Mezzetti, Quincy, Mass.
Application October 25, 1940, Serial No. 362,864
4 Claims. (Cl. 5—3)



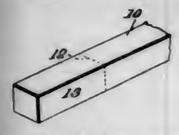
1. As a new article of collapsible furniture, a relatively broad, flat upright, a transverse cleat secured to said upright adjacent the lower portion thereof, a platform section hinged to said cleat, a relatively larger platform section hinged to the first-named platform section, interengaging means on said platform sections for holding said sections in right angular position relative to one another with the first-named section in flat parallel contact with said upright and the second-named section extending at right angles from the upright for use as a table top, and a leg structure embodying a relatively fixed part secured to the underside of the second-named platform and individual legs hinged to said fixed part; said leg structure in an extended position cooperating with said upright to support the second-named platform in the aforementioned table top-serving position, and when said legs are folded relative to said fixed part cooperating with said upright to support said platform sections in coplanar relation for use as a bed.

2,257,426
BIFURCATED GARMENT
Isadore Neiman, La Porte, Ind.
Application September 28, 1938, Serial No. 232,213
1 Claim. (Cl. 2—80)



A garment including a bifurcated nether portion including an upper body-encircling nether part and leg portions extended integrally therefrom, the said body encircling part including two rear pieces cut and joined at a central vertical seam in the seat of the garment, the edges of the pieces at said seam being of a length and being curved outward at their lower parts to extend through the crotch and into the front portion of the garment when joined, the said rear pieces including rear leg parts for said leg portions having concavely curved rear leg edges at the inner sides thereof extending downward from the first named edges, and said body-encircling nether part including front leg parts for said leg portions having similarly curved front leg edges of the same length as said rear leg edges, the garment being made up with said rear and front leg edges extending continuously from the extremity of one leg to the extremity of the other, whereby the opposed edges may be joined on a line extending on a curve on the front of the garment, and complementary closure fastening on said leg edges.

2,257,427
ANGLE FITTING AND METHOD OF MAKING SAME
Arthur L. Parker, Cleveland, Ohio
Application March 2, 1940, Serial No. 321,995
5 Claims. (Cl. 29—157)



1. An angle tube fitting, comprising a main section having a passage therein and a threaded portion at one end of the passage, said main section having a plurality of non-circular faces around the periphery thereof with at least one of said faces provided with an aperture therethrough in communication with said passage, an angle section having a passage therethrough and a threaded portion at one end thereof, said angle section having a shoulder portion adjacent the opposite end thereof and an extension on said shoulder portion fitting within the aperture in the apertured face of said main section, said shoulder portion having the peripheral edge thereof coinciding with the peripheral edge of the apertured face on the main section, and means providing a brazed connection between the adjacent surfaces of the apertured face on the main section and of the shoulder portion on the angle section whereby to connect said sections without employing a machine securing operation.

2,257,428
ALL-AROUND EXTENSIBLE PAPER
Gottfried Ruegenberg, Dusseldorf-Oberkassel, Germany
Application August 2, 1938, Serial No. 222,729
In Germany August 4, 1937
6 Claims. (Cl. 154—55)



1. An all-around extensible or elastic paper, comprising a web or sheet of paper material having a surface gathered inwardly both transversely and longitudinally into heaped up accumulations or concentrations of small folds around semi-spherical raised portions formed at numerous points distributed uniformly over the area of said surface, the said heaped up accumulations being in the form of nests in which the folds are disposed in the main part radially with reference to the centers of said raised portion, and the same being produced by drawing the web or sheet inwardly within its mean or general plane first in the one or the other of the transverse and longitudinal directions and then in the other of said directions with numerous foldings upon itself grouped predominantly in radial relation around the center points at which the heaped up places of fold accumulation are intended to occur, the heaped up portions being pressed flatwise to the web or sheet with an overfolding at right angles thereto.

2,257,429
PROCESS FOR PRODUCING ALL-AROUND EXTENSIBLE PAPER
Gottfried Ruegenberg, Dusseldorf-Oberkassel, Germany
Application August 2, 1938, Serial No. 222,730
In Germany August 4, 1937
7 Claims. (Cl. 154—33.05)

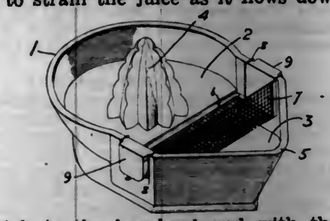


1. The process of producing an all-around extensible or elastic paper, which consists in gathering a flat paper sheet together, first in the transverse direction and then in the longitudinal direction, into folds toward center points at numerous places distributed uniformly over the surface of the paper and simultaneously with the gathering of the paper in the longitudinal direction forcing the fold accumulations thereof outwardly into and around semi-spherical raised portions formed in the sheet.

2,257,430
FRUIT JUICE EXTRACTOR
Samuel Joseph Savitz and Sarah Weissblatt Savitz, Philadelphia, Pa.
Application February 6, 1939, Serial No. 254,816
3 Claims. (Cl. 146—3)

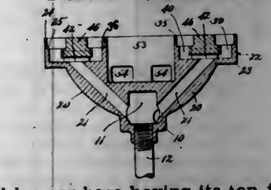
1. A fruit juice extractor comprising an open top receptacle having intercommunicating high and low level squeezing and pouring compartments defined by unobstructed floors with a declivity between them, a reamer immovably fixed centrally of the unobstructed floor of the high level compartment and a folded strainer demountably mounted at the declivity with one

portion arranged horizontally below the plane of the floor of the high level compartment and overhanging a portion of the low level compartment to strain the juice as it flows down from



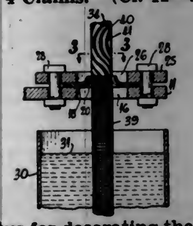
the high to the low level and with the other portion in upright position to retain objects strained from the juice on the first mentioned portion of the strainer.

2,257,431
LIQUID FUEL BURNER BASE
Francisco Hilario Ribeiro Silva, Fall River, Mass.
Application June 11, 1940, Serial No. 339,880
1 Claim. (Cl. 158—87)



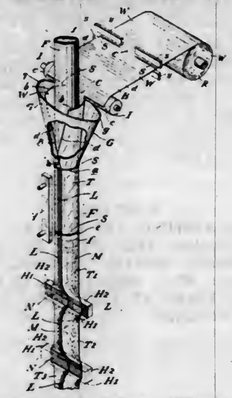
An oil burner base having its top formed with a series of upstanding rib walls defining a plurality of annular oil burning areas, spaced radially of the base with air passages between them, the rib portions defining such air passages being interrupted at intervals affording passage between the bottoms of said oil burning areas and having connecting portions formed with ledge seats spaced above the bottoms of said burning areas, the base having a central oil supply with branches leading upward and discharging in the passages between said burning areas, and rebated protector pieces formed to fit said ledge seats and located so as to constitute shields for the discharge ends of said oil supply branches while permitting free passage of oil thereunder, and also upon removal thereof permitting the insertion of a tool for cleaning out said oil supply branches and passages.

2,257,432
MEANS FOR ORNAMENTING ELONGATED OBJECTS
Claude F. Smith, Marston, N. C.
Application February 3, 1941, Serial No. 377,166
4 Claims. (Cl. 41—1)



1. Apparatus for decorating the surface of wet-painted articles such as broom handles and the like, comprising a flat resilient wiper having an opening therein, said opening being smaller in size than the cross-section of the article, said opening having a plurality of radial slits communicating therewith which are cut to a depth which is less than the thickness of the wiper, whereby teeth will be formed between the slits when the article is inserted in the opening enlarging the same and whereby the portion between the teeth will be stretched to hold it in spaced relation to the surface of the article.

2,257,433
METHOD OF AND APPARATUS FOR MANUFACTURE OF SEALED PACKAGES
John S. Stokes, Huntingdon Valley, Pa., assignor to Stokes and Smith Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 25, 1939, Serial No. 306,059
18 Claims. (Cl. 93—3)



1. A method of making, filling and sealing packages comprising transversely partially severing webbing to define a blank remaining integrally attached to the webbing through the unsevered portion thereof, in avoidance of creasing the blank directly curling it into tubular form, attaching longitudinal marginal portions of the tube to each other, transversely sealing the tube throughout an area within which lie severed and unsevered portions of the blank, introducing filling material into the tube through the open end thereof, transversely sealing said open end throughout an area in which lie severed and unsevered portions of the blank, and detaching the filled sealed tube at said last named area.

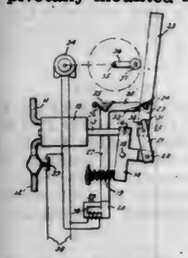
2,257,434
MOTOR FUEL
John W. Teter, Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 17, 1937, Serial No. 159,501
4 Claims. (Cl. 44—9)

4. An improved motor fuel which comprises gasoline containing a small proportion of a compound of the group consisting of 4-nitroso-2-methyl phenol, 4-nitroso-2-ethyl phenol and 4-nitroso-2, 5 dimethyl phenol.

2,257,435
MOTOR-OPERATED VALVE
Carl Thumim, Yeadon, Pa., assignor to General Electric Company, a corporation of New York
Application October 15, 1940, Serial No. 361,295
6 Claims. (Cl. 137—139)

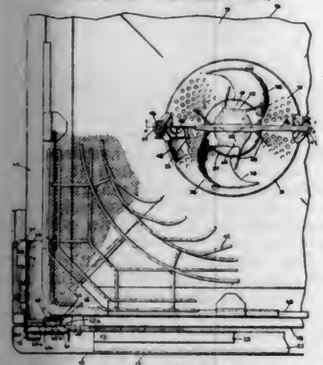
1. In combination, a valve having an operat-

ing stem, spring means associated with said stem for urging said valve to the closed position, a pivotally mounted member, a toggle having one end thereof connected to said member, the other end of said toggle being operatively connected with said valve stem, electromagnetic means for holding said pivotally mounted member in fixed



relationship so that said valve may be opened against the force of said spring means when said toggle is moved to its overcenter position, and means for deenergizing said electromagnetic means to release said pivotally mounted member so that closing of said valve independently of said toggle is obtained.

2,257,436
WASHING APPARATUS
Forrest A. Walker, Oak Park, Ill., assignor to Edison General Electric Appliance Company, Inc., Chicago, Ill., a corporation of New York
Application August 27, 1937, Serial No. 161,257
3 Claims. (Cl. 220—46)



3. In dishwashing apparatus, a vat forming a washing chamber having a front opening therein, a door for closing said opening arranged to swing on an axis at its lower edge, an elongated flange extending inwardly from each of the side and top edges of the door, each flange being formed into two portions, each of which is substantially parallel to the wall of said vat associated with it, the portion of each flange adjacent said door fitting relatively closely to said associated wall and the inner portion removed from said door spaced farther from said wall than said portion adjacent said door, a shoulder joining said two portions of each flange, a member on said side and top walls defining a channel into which said inner portions of said flanges are received, the enlarged space in said channel defined by said inner flange portions, said member, and associated vat walls forming an expansion chamber at the side and top of said door for liquids forced from said vat.

2,257,437
CAST METAL ARTICLES
Hanley H. Weiser, Prince Bay, Staten Island, N. Y., assignor to Nassau Smelting & Refining Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application October 31, 1939, Serial No. 302,119
3 Claims. (Cl. 75—154)

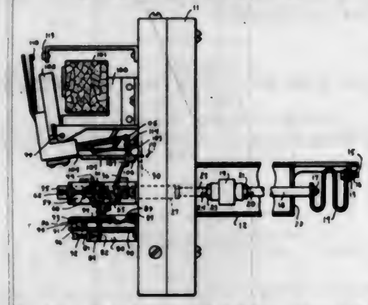
1. Corrosion resistant, cast metal articles designed to be used as cast without further fabrication except machining, having elongations of upwards of 55% before rupture under tensile stress, and made of an alloy consisting of silicon 2.00% to 3.75%, tin 0.25% to 1.50%, and the balance substantially all copper.

2,257,438
RIFLING TOOL
Howard L. White, Brooklyn, N. Y.
Application May 8, 1939, Serial No. 272,384
6 Claims. (Cl. 90—28.1)



1. A rifling tool comprising a head, radial guides therein corresponding in number with the entire number of grooves desired in a gun barrel, said guides having parallel sides, a collar supported in the head and longitudinally slidable therein, said collar being constructed with longitudinal under-cut grooves inclined to the axis of the head, and cutters having parallel edges slidably fitting said guides whereby each cutter is guided radially, said cutters having integral inner portions of less width than that of the guides, shaped to fit the grooves in the collar whereby longitudinal movement of the collar in opposite directions will impart transverse movement to the cutters in opposite directions.

2,257,439
SWITCHING MECHANISM
John M. Wilson, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application March 6, 1939, Serial No. 260,071
20 Claims. (Cl. 200—138)



1. A slip friction mechanism comprising a movable member, an element, a slip friction connection through which said member drives said element, and means materially reducing the friction afforded by said connection in response to movement of said element by said movable member.

2,257,440
HARDENING PHOTOGRAPHIC MATERIALS
William H. Wood, Bedford, Ohio, assignor to Harris-Seybold-Potter Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application June 16, 1939 Serial No. 279,514
7 Claims. (Cl. 95—88)

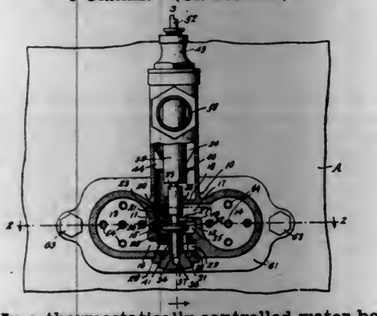
4. A treating composition for photographic gelatin layers carrying a silver image containing a substance selected from the group consisting of gluconic acid and glucono-lactone in such concentration as to yield 0.5 to 15 per cent of gluconic acid in solution and therewith a hardening agent selected from the group consisting of an aluminum salt and a chromium salt having hardening action.

2,257,441
SELF-TAPPING DRAIN PLUG OR BOLT
Ernest L. Wylie, St. Louis, Mo., assignor to Champ-Items Inc., St. Louis, Mo., a corporation of Missouri
Application January 4, 1941, Serial No. 373,106
1 Claim. (Cl. 85—47)



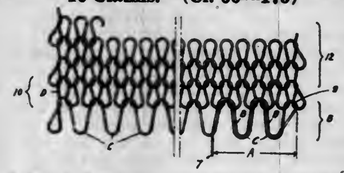
A self-tapping drain plug comprising a head, a unidirectional portion tapered laterally, said portion being threaded for tapping and having two transverse slots intersecting along the axis of the plug therein set at 90° thereby forming four segmented portions, said segmented portions each being swaged inwardly along one of its plane faces thereby exposing four cutting edges without axial displacement.

2,257,442
THERMOSTATICALLY CONTROLLED MIXING DEVICE
Henry F. Yula, New York, N. Y.
Application May 21, 1940, Serial No. 336,333
5 Claims. (Cl. 236—12)



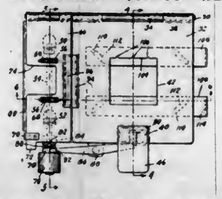
1. In a thermostatically controlled water heater, a valve casing having a wall adapted for attachment to a heater to form a portion of the wall of the heating chamber thereof, said casing having interior partitions subdividing the casing into hot and cold water chambers and a mixing chamber disposed intermediate said hot and cold water chambers, said interior partitions having opposed valve ports respectively opening into said mixing chamber and communicating with the hot and cold water chambers respectively, said casing also including a mixed water chamber communicating with said mixing chamber, a reciprocatory valve element including a valve disk located within said mixing chamber to move therein between said opposed valve ports and having a valve stem guidedly mounted in the adjacent wall of the mixed water chamber and protruding into said chamber, a thermostatic element mounted within said mixed water chamber and controlling said valve element to progressively open the port to the hot water chamber and to close the port to the cold water chamber when the valve element is moved in one direction and to progressively open the port to the cold water chamber and close the port to the hot water chamber when the valve element is moved in the opposite direction, heater tubes affixed to the inner face of said wall and communicating with the hot and cold water chambers for diverting cold water from the cold water chamber and conducting the same through said heater for delivering hot water to the hot water chamber, an expansion spring engaging said valve element and functioning to urge the valve element toward the thermostatic element, and a relief spring housed within said valve stem and engaged by the thermostatic element and of greater strength than the expansion spring for relieving excess pressure of the thermostatic element on the valve element.

2,257,443
KNITTED FABRIC AND METHOD OF MAKING IT
Eugene M. Zesch, Reading, Pa., assignor to Karl Lieberknecht, Inc., a corporation of Pennsylvania
Application May 6, 1940, Serial No. 333,544
16 Claims. (Cl. 66—173)



1. A knitted fabric comprising an extension of the yarn of the fabric at the beginning of the first course turned inwardly and locked in position therealong.

2,257,444
PHOTOGRAPHIC FILM TRANSPORTER
Ivan V. Abadjieff, Worcester, Mass.
Application November 14, 1938, Serial No. 240,289
10 Claims. (Cl. 88—24)



1. A photographic film transporter comprising a pair of superimposed upper and lower apertured plates adapted to receive the film between them, said plates being hingedly connected at their similar edges and at their free end parts having extended superposed finger-engaging tabs, the lower plate being projected endwise beyond

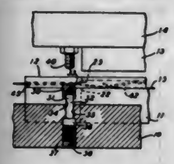
the edge of the upper plate, a film engaging and driving wheel mounted on the projected part of said lower plate beside said upper plate for moving the film between the plates and over the apertures, and a third plate beside said upper plate over said wheel for holding the film in engagement with said driving wheel and having a hinged connection with the projected part of said lower plate.

2,257,445
RHEOSTAT
Robert Abrahamson, Forest Hills, N. Y.
Application July 27, 1940, Serial No. 347,945
4 Claims. (Cl. 201—62)



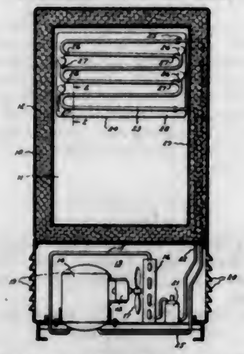
1. A rheostat comprising, in combination, a pair of end supports; a substantially cylindrical resistance element mounted therebetween, a bar mounted parallel to said element; an enclosure enclosing said element and bar forming with said supports a protective casing for said element and bar, said enclosure having a slot at the top above the said bar; a slider movable on said bar, said slider having a center portion with an aperture for accommodating said bar, a neck portion extending from said center portion through said slot and a finger operable portion extending from said neck portion downwardly on both sides, outwardly of said enclosure, into the plane of said bar; and a brush mounted on said center portion for engaging said element, whereby a force exerted at said finger operable portion in a direction substantially parallel to said bar will cause the slider and brush to move along the bar without tilting or jamming.

2,257,446
MATERIAL GUIDE
Merle Amidon, Elizabeth, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application August 29, 1940, Serial No. 354,716
15 Claims. (Cl. 164—110)



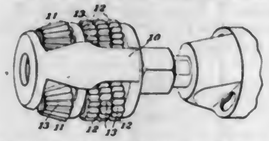
1. The combination with a sheet material working apparatus having a die and stripper plate, of an element extending the full width of the sheet material movable intermittently between the die and stripper plate, means to locate the element to guide the material away from the die during movement of the material, and means to guide the material away from the stripper plate.

2,257,447
REFRIGERANT EVAPORATOR
Leonard W. Atchison, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 7, 1940, Serial No. 355,758
8 Claims. (Cl. 62—126)



1. A refrigerant evaporator comprising a conduit having an inlet and an outlet, said conduit having a substantially uniform cross section throughout its length, means providing a chamber in direct communication with an intermediate portion of said conduit, said chamber being arranged in line with the direction of refrigerant flow in said portion of said conduit whereby any slugs of liquid refrigerant flowing through said portion of said conduit will tend to be thrown by their momentum from said conduit into said chamber.

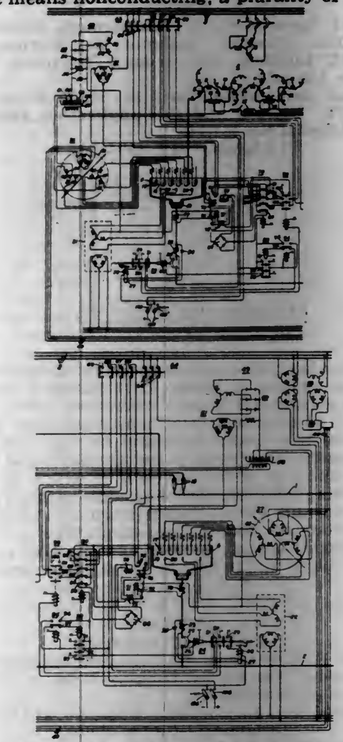
2,257,448
CUTTER
Virgil H. Baker, Springfield, Ohio, assignor to Elliott Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 19, 1939, Serial No. 279,832
10 Claims. (Cl. 15—104.13)



6. In a tube cleaner, a cutter element operably associated therewith, said cutter element having a series of substantially-uniformly spaced cutting teeth about the periphery thereof, the spacing between at least one pair of teeth being non-uniform and having a width differing from said above-mentioned uniform spacing by an amount substantially equal to one-third of the uniform spacing, divided by an integer.

2,257,449
PROTECTIVE SYSTEM FOR ELECTRIC VALVE APPARATUS
Herman Bany, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York
Application May 22, 1940, Serial No. 336,572
7 Claims. (Cl. 175—363)

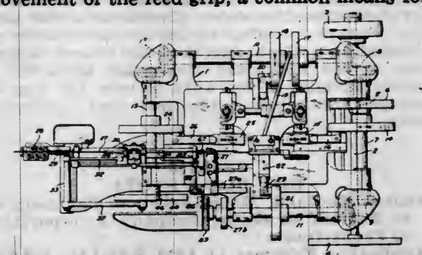
2. In combination, an alternating current circuit, a direct current circuit, electric translating apparatus connected between said circuits and comprising a plurality of electric valve means each having at least one anode, a cathode and a control member for determining the current conducted thereby, a plurality of excitation means associated with said electric valve means for impressing on the control member a periodic voltage to determine the current conducted by said electric valve means, a plurality of individual rectifiers energized from said alternating current circuit and each associated with a different one of said electric valve means for producing a negative unidirectional biasing potential sufficient when impressed on the associated control member to render the electric valve means nonconducting, a plurality of means



each associated with a different one of said electric valve means and each responsive to an abnormal operating condition of that electric valve means for impressing a negative biasing potential supplied by the associated rectifier on the control member of that electric valve means and for controlling the rectifiers associated with the other electric valve means to impress biasing potentials on the control members thereof thereby rendering said other electric valve means nonconducting, and means interconnecting said plurality of last mentioned means to effect removal of the biasing potential from the control members of the normal electric valve means.

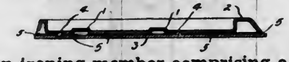
2,257,450
FEED FOR FORMING MACHINES
Leslie W. Barnes, Long Hill, Conn., assignor to The Baird Machine Company, Stratford, Conn., a corporation of Connecticut
Application July 19, 1940, Serial No. 346,335
14 Claims. (Cl. 140—130)

1. In a feed for forming machines, a feed slide, means for reciprocating the slide, a feed grip on the slide for gripping the work to feed it forwardly, a clamp to grip the work on reverse movement of the feed grip, a common means for



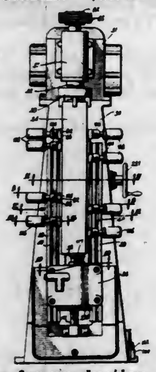
operating both the feed grip and the clamp, and means for operating said common operating means in certain timed relation with operation of the slide.

2,257,451
IRONING MEMBER
William A. Barnes, Mansfield, Ohio
Application April 25, 1938, Serial No. 204,111
17 Claims. (Cl. 38—74)



13. An ironing member comprising a combination of heat absorbing means and sheet metal ironing surface means, said combination of means adapted to be heated by a heating element and to support a cover shell in spaced relation to said heating element, said combination of means comprising a metallic structure laminated where directly heated by said heating element, said laminations being welded together at spaced intervals and means preventing oxidation of the adjacent surfaces of said laminations intermediate the welds consisting of a layer of brazing metal molecularly bonded to the said adjacent surfaces of said laminations, and a raised portion about the perimeter of said combination of means supporting said cover shell at a position more remote from the ironing surface than is said heat absorbing means.

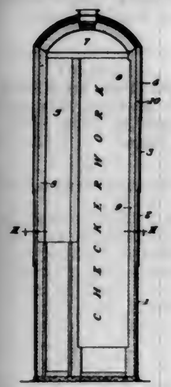
2,257,452
METAL FINISHING
George W. Binns, Cincinnati, and Albert H. Dall, Silverton, Ohio, assignors to Cincinnati Grinders Incorporated, Cincinnati, Ohio, a corporation of Ohio
Application April 10, 1939, Serial No. 267,140
14 Claims. (Cl. 51—67)



3. A machine for production of a highly accu-

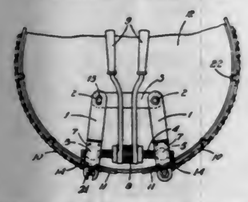
rate surface on a work piece, comprising means for effecting oscillation of the work in a forward and reverse direction about its axis, a tool, means for supporting the tool in opposition to the work piece, means for effecting transverse vibration of the tool at a rate in excess of the rate of oscillation of the work, and means for imparting a rotary advance to the work to vary the zone of engagement between the tool and oscillating work.

2,257,453
HOT-BLAST STOVE
Andrew Bowland, Mount Lebanon, Pa., assignor to William M. Bailey Company, a corporation of Pennsylvania
Application February 14, 1940, Serial No. 318,958
4 Claims. (Cl. 263—19)



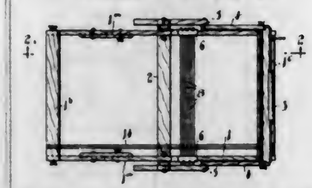
1. A two-pass, side combustion type, blast furnace, hot-blast stove having a steel shell made in the form of telescoped cylinders which progressively increase in diameter toward the hotter ends of the stove's combustion chamber and checkerwork and the walls of said chamber and of the stove lining merging to form a single wall section extending the height of the stove, said shell enclosing said lining including said section and providing an annular space around all that progressively increases toward said hotter ends and which is filled with thermal insulation.

2,257,454
MEANS FOR CLOSING METAL DRUMS
Georges Brouhon, Brussels, Belgium, assignor to Solvay & Cie., Brussels, Belgium, a company of Belgium
Original application March 7, 1936, Serial No. 67,698. Divided and this application April 18, 1939, Serial No. 268,472. In Belgium January 22, 1936
6 Claims. (Cl. 81—15)



1. In means for clamping a channel band on the flange of a drum head to secure said head on a drum body, the combination of a roller chain adapted to surround said band over a substantial portion of its length, and means for simultaneously drawing together the ends of said chain and the ends of said band, said drawing means comprising a cross-piece, a pair of arms pivotally connected to said cross-piece, means on said arms for engaging the ends of said chain and portions at the ends of said band, and means for moving said arms towards and away from each other.

2,257,455
LOOM
Herbert Spencer Clark, Scarborough Township, Ontario, Canada, assignor to Scarborough Guild, Limited, Scarborough Township, Ontario, Canada
Original application April 16, 1936, Serial No. 74,632. Divided and this application June 26, 1939, Serial No. 281,149
7 Claims. (Cl. 139—33)



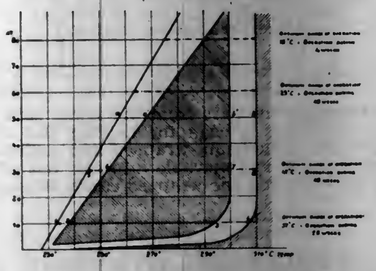
1. In a loom, the combination of a frame structure comprising a heddle bar standard formed with a plurality of upright transverse guide slots through which the ends of heddle bars may pass; a heddle bar holder mounted on the standard and slidable lengthwise of the standard, and having a plurality of fingers each of which is normally adapted to support the heddle bars in raised position; and spring means normally retaining the holder in heddle bar supporting position, said holder being slidable against the spring means out of the heddle bar supporting position.

2,257,456
SCOURING DEVICE
Joseph R. Crockford, Chicago, Ill., assignor to Efficiency Specialties, Omaha, Nebr., a corporation of Nebraska
Application July 5, 1940, Serial No. 343,979
2 Claims. (Cl. 15—209)



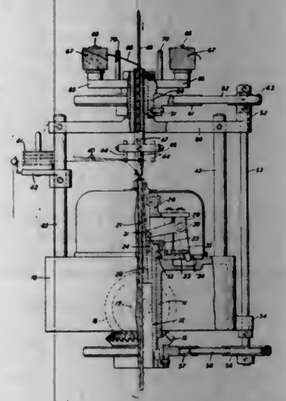
1. A scouring device comprising, a single thickness metal plate forming a handle member, said plate having a wide rounded forward portion provided with a concave upper face and convex under surface, a mass of metallic fibres fused to the convex under surface of the plate at the forward portion of the same, portions of said mass normally curling upward and over the edge of said forward portion to thereby protect the same, the side edges of the plate converging from said rounded forward portion of the plate to the rear end of the plate, the part of said plate located between said converging edges being dished to produce a convex upper surface and concave under surface, said last-mentioned surfaces forming finger-engaging portions on the plate rearwardly of the mass of metallic fibres.

2,257,457
PRODUCTION OF ALIPHATIC HYDROCARBONS
Franz Fischer and Helmut Pichler, Mulheim, Ruhr, Germany, assignors, by mesne assignments, to Hydrocarbon Synthesis Corporation, Linden, N. J.
Application July 23, 1938, Serial No. 220,919
In Germany July 31, 1937
9 Claims. (Cl. 260—449)



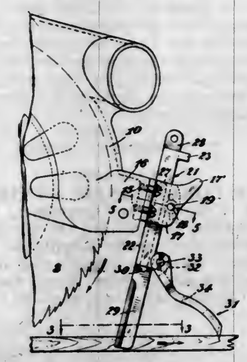
1. The process of producing aliphatic solid, liquid or readily liquefiable hydrocarbons from gas mixtures containing carbon monoxide and hydrogen in the presence of an iron catalyst, which comprises passing a mixture of carbon monoxide and hydrogen under an operating pressure ranging between 2 and 100 atmospheres and at a temperature between about 220 and 320° C. over an iron catalyst which has been subjected to a preliminary treatment with carbon monoxide under a pressure which is considerably lower than the operating pressure subsequently employed.

2,257,458
ARTICLE FORMING MACHINE
Ben K. Ford, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 11, 1938, Serial No. 234,371
7 Claims. (Cl. 66—9)



1. In an article forming machine, means to wind a strand on an electrical conductor while advancing to form an identifying rib thereon, and means to knit a covering over the ribbed conductor.

2,257,459
ATTACHMENT FOR POWER SAWS
Wallace W. Gardner, Lancaster, Pa., assignor to De Walt Products Corporation, Lancaster, Pa., a corporation of Pennsylvania
Application February 2, 1939, Serial No. 254,167
9 Claims. (Cl. 143—159)



1. In a device of the kind described, including a saw and a saw guard, a kick-back secured to said guard for sliding and pivotal movement relative to the guard, means for holding said kick-back in any of its positions determined by sliding movement thereof, and a member engaging said kick-back in a position determined by relative sliding and pivotal movement between the member and the kick-back, said member locking said kick-back against pivotal movement from such position.

2,257,460
WRENCH
Joseph G. Gavlak, Monongahela, Pa.
Application January 9, 1940, Serial No. 313,057
2 Claims. (Cl. 81—3.1)

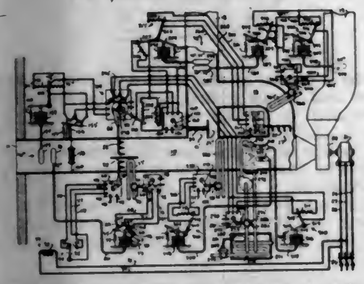


1. A wrench comprising the combination of an operating handle, a pair of fulcrum heads carried by said handle and projecting laterally outward in opposed and spaced relation to each other, the spaced relation of said heads providing a slot having an enlarged portion between said heads, a flexible gripping band having the ends thereof disposed in said slot, and a locking pin engaged between said ends to force the latter into the enlarged portion of said slot for securely attaching said ends in said slot.

2,257,461
SODIUM PERBORATE PRODUCT
Harvey N. Gilbert and Norval D. Clare, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 23, 1940, Serial No. 325,656
4 Claims. (Cl. 23—60)

1. A process for producing sodium perborate tetrahydrate in the form of dense masses which comprises melting crystalline sodium perborate tetrahydrate and extruding the molten product through a die into an aqueous solution of sodium perborate tetrahydrate.

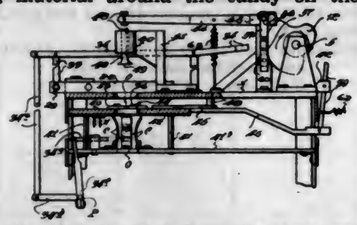
2,257,462
AIR CONDITIONING SYSTEM
Gordon H. Gildersleeve, Cranford, N. J., and Ernest Graber, Douglaston, N. Y., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application April 25, 1938, Serial No. 204,084
16 Claims. (Cl. 257—3)



1. In an air conditioning system, an air conditioning chamber having a fresh air inlet, a return air inlet, conditioning means within said chamber for changing the heat content of air flowing therethrough, means for conducting air from a space being conditioned to said return air inlet, a by-pass for conducting air from said conducting means around said conditioning means to said conditioning chamber, means for circulating air through said air conditioning chamber and a space to be conditioned, damper means in control of said fresh air inlet, said return air inlet and said by-pass, means influenced by a first condition varying with the heat content of the fresh air in control of the damper means controlling said fresh air inlet and said return air inlet, means influenced by the heat content of the return air also in control of the damper means controlling said return air inlet and the damper means in control of said by-pass, and means influenced by a second condition varying with the heat content of the fresh air also in control of the damper means controlling the fresh air inlet and the return air inlet.

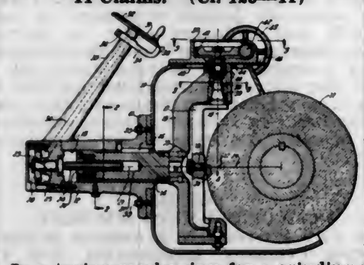
2,257,463
CANDY WRAPPING MACHINE
George Grafton Goodwyn, Dallas, Tex.
Application April 13, 1940, Serial No. 329,419
2 Claims. (Cl. 93—2)

1. A machine for wrapping and sealing candy carried on a stick, in combination with a wrapping material feeding mechanism, said wrapping and sealing being carried out by the provision of a pair of forked and notched plates adapted to be slid one within the other, a pair of angular arms pivoted to the plates, a bar pivoted to the arms, and means for reciprocating the bar to move said plates inwardly and outwardly in the operation of pressing the wrapping material around the candy on the stick



and releasing the bars from the same; said machine including a cage for holding the candy in position while being wrapped and sealed and a reciprocable rod movable into and out of the cage for releasing the wrapped candy therefrom.

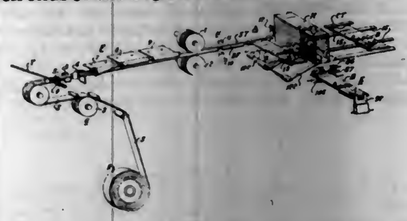
2,257,464
RADIUS TRUING ATTACHMENT
Andrew J. Graf, Norwood, Ohio, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio, a corporation of Ohio
Application January 25, 1940, Serial No. 315,475
11 Claims. (Cl. 125—11)



1. In a truing mechanism for a grinding wheel, the combination with a guard for said wheel, of a housing mounted on said guard, a support member slidably mounted in said housing and guided for movement toward and from the axis of said wheel, a truing element pivotally supported by said member, means for adjusting the housing parallel to the axis of said wheel to position the pivotal axis of said truing element in the central plane of said wheel, and cooperating graduation marks carried by the housing and the guard for indicating this position in accordance with the width of the grinding wheel.

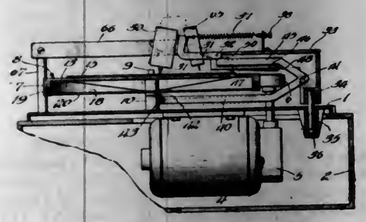
2,257,465
METHOD OF AND APPARATUS FOR FEEDING BAGS FROM A STACK
William E. Higginbottom, Radnor, Pa., assignor to Benjamin C. Betner Company, Devon, Pa., a corporation of Delaware
Application May 28, 1938, Serial No. 210,621
31 Claims. (Cl. 93—8)

1. The method which comprises arranging collapsed bags in a stack with each bag having its bottom flattened against a side of the bag and with all bag bottoms presented toward the same end of the stack, engaging the end bag of the stack within the fold defined by the flattening of the bag bottom against said side of the bag, turning the bottom of the bag in its entirety away from the stack in direction to maintain said fold substantially closed, and thereafter removing the bag bodily from the stack in direction substantially parallel to the stack and away from the open ends of the bags thereof.



9. A machine for making closure members and attaching them to bags comprising means for feeding a strip of closure material and a narrower strip of ductile metal toward an assembly station, tool structure for turning an edge of said strip of closure material to embrace said metal strip, mechanism for notching the unturned portion of said strip, means for feeding bags in succession into adhesive engagement with the unturned portion of said strip, and means for severing the strip at each notch to detach from the strip a bag and a closure element attached thereto.

2,257,466
SOUND RECORDING APPARATUS
Hugh A. Howell, Berwyn, Ill., assignor to Frank Raffles, Chicago, Ill.
Application March 25, 1940, Serial No. 325,766
2 Claims. (Cl. 274—13)

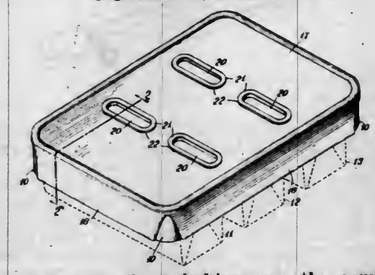


1. In an apparatus for recording sound on a disc type record, a turn table having a record receiving surface on one side thereof and a spiral guiding groove on the opposite side, a support mounted for turning about an axis parallel to but spaced from the axis of the turn table, said support including a portion movable to a position overlying the table, a record impressing head pivoted on said support at said overlying portion for movement towards and away from the record receiving surface, a guiding arm pivoted on said support for movement towards and away from the spiral guiding groove, said arm having guiding means movable into and out of engagement with the groove by pivotal movement of said arm on said support, spring means urging the guiding means towards the groove, said guiding means moving in said spiral groove upon rotation of the turn table and being moved by the spiral to move said arm and said support to effect a movement of the head corresponding to the movement of the guiding means in the spiral groove, and a member rigid with the record impressing head and engaging the arm responsive to pivotal movement of the head away from the record receiving surface for causing a corresponding pivotal movement of the arm to bring the guiding means out of said spiral groove.

2,257,467
CLEANING COMPOSITION
Samuel Jacobson, Cincinnati, Ohio, assignor to Max H. Thurnauer, Cincinnati, Ohio
No Drawing. Application March 2, 1938, Serial No. 193,532
1 Claim. (Cl. 252—145)

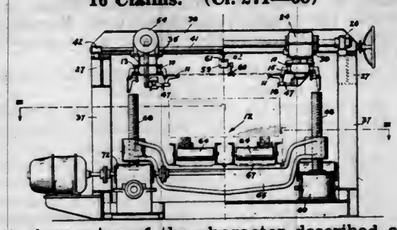
A cleansing composition in the form of a gelatinous paste of uniform consistency, the constituting components of which are aqueous solution of sodium silicate of about 10% strength by weight, about 30 parts by volume, water, about 20 parts by volume, and hydrochloric acid having a specific gravity of about 1.19, about 50 parts by volume, the said paste being capable of liberating said acid, thereby enabling the composition to exert a cleansing action upon soil over which said paste is deposited.

2,257,468
COVER FOR BAKING PANS
Adrien L. Langel, Chicago, Ill., assignor to Chicago Metallic Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application September 15, 1939, Serial No. 295,022
3 Claims. (Cl. 53—6)



1. In a cover for a baking pan, the combination of a heavy band of metal adapted to fit loosely around the pan structure at the top, a lining for said cover in the form of a sheet of metal extending over the band so as to rest thereon, and a heavy sheet of metal extending across the top face of said lining with its side portions turned downwardly about said band and with a downwardly open groove pressed in the heavy sheet in position to receive the upper edge of the band so as to grip firmly a portion of the lining between the band and the side wall of the groove.

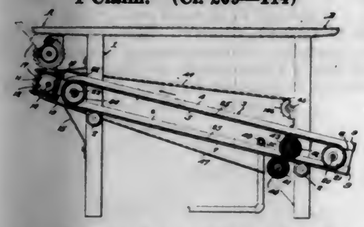
2,257,469
SHEET PILER
Walter Michael Keil, Youngstown, Ohio, assignor to Youngstown Foundry and Machine Company, Youngstown, Ohio, a corporation of Ohio
Application May 20, 1939, Serial No. 274,770
16 Claims. (Cl. 271—68)



1. Apparatus of the character described comprising a plurality of laterally and longitudinally spaced movable sheet supporting elements, means

to move said elements along fixed closed paths including reaches extending longitudinally in a generally horizontal plane, a support for a pile of sheets positioned centrally below said elements, means to remove the elements from beneath the sheet being supported thereon when said elements are positioned along said reaches to allow the sheet to fall toward said support, means positioned in the path of travel of the sheets on said elements in control of said second mentioned means, and means to move said elements individually to sheet supporting positions, said last mentioned means being positioned along said paths but outside of said reaches.

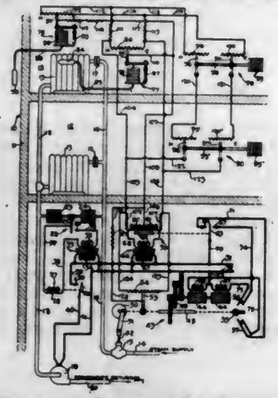
2,257,470
DEVICE FOR CLEANING SWEET CORN
Albert Marchant, Storm Lake, Iowa
Application February 21, 1938, Serial No. 191,815
1 Claim. (Cl. 209—114)



In a corn silking machine, a shaker frame having an opening at one side thereof, an endless conveyer screen carried by said frame and comprising an upper inclined run and a lower return run, means for oscillating said frame and screen to cause kernels of corn deposited on the upper run of the screen to gravitate downwardly thereover, means for driving said screen to cause its upper run to move upwardly and carry adhering silks and waste material therewith, a rotary spiral brush cooperating with the upper surface of the lower run of said screen for brushing adhering material therefrom in a lateral direction and for discharging the same through said opening of said shaker frame, a second rotary brush cooperating with the lower surface of said lower run of the screen for removing foreign matter therefrom and positioned adjacent said spiral brush for cooperation with the same to thereby increase the cleaning action of said brushes, means for rotating said brushes in opposite directions, and means adjacent said brushes and lower run of said screen for discharging liquid downwardly through the screen to assist in cleaning the same.

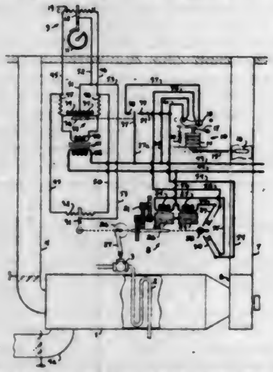
2,257,471
TEMPERATURE CONTROL SYSTEM
William L. McGrath, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application November 19, 1936, Serial No. 111,694
5 Claims. (Cl. 236—91)

1. In a temperature control system for a building, the combination of, temperature changing means for the building, control means for the temperature changing means, relay means for controlling the control means and including series connected relay coils connected across a source of electrical energy, an adjustable potentiometer including a resistance and a slider, means responsive to the temperature changing effect of the temperature changing means for adjusting the adjustable potentiometer, means connecting the ends of said resistance with the remote ends of said series connected coils, means connecting the slider with the adjacent ends of the series connected coils, a second adjustable potentiometer including a resistance and a slider, means responsive to temperature conditions outside of said building for adjusting the second adjustable potentiometer, connections between the ends of



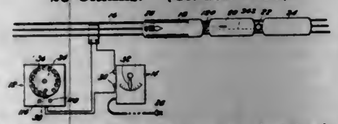
the resistance of the second potentiometer and the remote ends of the relay coils and a connection between the slider of the second potentiometer and the adjacent ends of the series connected coils, variable resistances in series only with the connections between the series connected coils and the ends of the resistance of the second adjustable potentiometer, and means responsive to the temperature of the building for adjusting said variable resistances.

2,257,472
AUTOMATIC CONTROL SYSTEM
William L. McGrath, St. Paul, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application November 24, 1937, Serial No. 176,252
11 Claims. (Cl. 236—37)



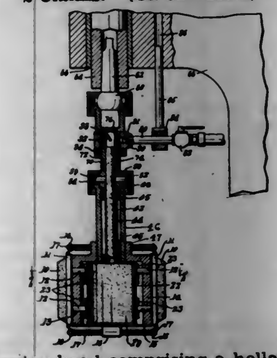
11. In a system of the class described, in combination, condition changing means for conditioning a stream of medium passing to a conditioned space, proportioning type means responsive to the space condition for controlling said condition changing means in a manner to vary the output thereof proportionately to the value of the space condition being controlled, and limit control means responsive to the condition of the stream of medium passing to said space for limiting the condition of said medium within a predetermined range of values, said limit control means acting to graduatingly vary the output of said condition changing means until said the limit control is satisfied irrespective of the actual output, and to maintain the output constant at the value causing satisfaction of said limit control means.

2,257,473
REMOTE CONTROL SYSTEM FOR TOYS
Edward E. McKeige and Noel L. Case, Girard, Pa., assignors to Louis Marx & Company, Inc., New York, N. Y., a corporation of New York
Application April 15, 1938, Serial No. 202,187
28 Claims. (Cl. 104—150)



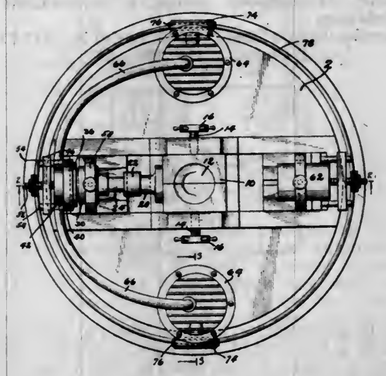
1. A remote control system for toy trains normally supplied with power through a power rail, said system including a train-carried toothed movable control member, a notching magnet, a notching pawl operated by said magnet for moving said control member tooth by tooth to a selected control position depending upon the number of short impulses of power applied to the notching magnet through said power rail, operating means responsive to continuous power for causing said control member to function in order to effect a control operation dependent upon the selected position of the control member, and delay means to prevent functioning of the operating means during the transmission of notching impulses.

2,257,474
HONING HEAD
William D. McKeon, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application March 18, 1939, Serial No. 262,603
2 Claims. (Cl. 51—184.1)



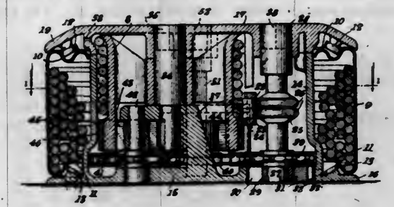
1. A honing head comprising a hollow housing arranged for rotation and reciprocation, a set of abrasive sticks having supporting members carried by and movable radially of the housing, a movable metal sheathing which contacts with said members, and means including a flexible bag within the metal sheathing which is arranged to contain fluid and apply pressure thereto to move the abrasive sticks.

2,257,475
APPARATUS FOR THE MANUFACTURE OF DIAMOND CUTTING TOOLS
John H. Metz, Verona, N. J., assignor to J. K. Smit & Sons, Inc., New York, N. Y., a corporation of New York
Application April 26, 1941, Serial No. 390,475
4 Claims. (Cl. 22—65)



1. In molding apparatus wherein the mold is mounted on a turntable rotatable on a vertical axis and wherein a die plate standing in a vertical plane constitutes the mold bottom in which cutting stones are supported in a predetermined pattern, suction means for exhausting the mold cavity comprising a pump affixed to the turntable and stationary means engaged by the pump so that as the turntable is rotated the pump will be driven.

2,257,476
WINCH
Jasper Morgan, New York, N. Y.
Application March 18, 1939, Serial No. 262,585
12 Claims. (Cl. 254—150)



4. A self-stowing winch for wire rope, comprising in combination a drum, means for maintaining a single layer turn of wire rope in running gripping engagement on said drum, an open center annular coil receiver passively rotatable about said drum in position for receiving and coiling the wire rope leaving the drum, said means including a roll or rolls shaped to fit one or more turns of the wire rope on the drum and yieldingly forced toward the drum, means for driving said drum and said roll or rolls in the same direction and at substantially the same surface speed as the rope winding on the drum, including a shaft, sprocket chain drive gearing from said shaft to the drum and a roll on said shaft contoured to engage and frictionally drive

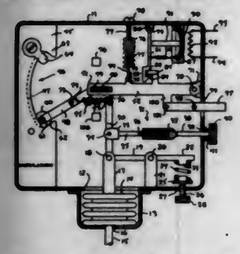
said coil confining roll or rolls and a common base for rotatably supporting said drum and coil receiver.

2,257,477

COMBINED PRESSURE AND SAFETY SWITCH

Alwin B. Newton, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application October 7, 1938, Serial No. 233,777
8 Claims. (Cl. 200—83)



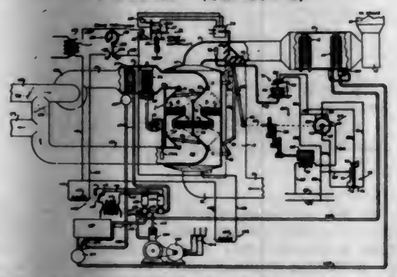
1. In a switch, a pivoted lever, a roller carried by a free end of said lever, a block of insulation, a groove in said block in which said roller is adapted to travel, a pair of stationary contacts connected to said groove, a tension spring connected to said lever, a pressure responsive device, a link connecting said pressure responsive device and said spring, said device moving said spring back and forth over center with respect to said lever to snap said roller into and out of engagement with respect to said stationary contacts, a pivoted arm for guiding said link as it is moved by said pressure responsive device, and manual means for varying the length of said arm between its pivot and said link.

2,257,478

AIR CONDITIONING SYSTEM

Alwin B. Newton, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application October 22, 1938, Serial No. 236,472
9 Claims. (Cl. 183—4)



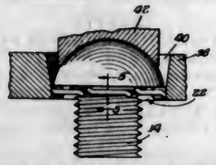
2. In an air conditioning system, in combination, a dehumidifier of the type utilizing a hygroscopic material for dehumidifying the air being passed to a space being conditioned, said dehumidifier requiring heat for reactivating said material, means including a refrigeration system for cooling the dehumidified air, means responsive to space temperature and humidity for placing said refrigeration system into operation when either space temperature or relative humidity becomes excessive, and means for causing said refrigeration system to supply heat for reactivating said dehumidifying material when space temperature falls to a predetermined low value.

2,257,479

METHOD OF ASSEMBLING FASTENER UNITS

Carl G. Olson, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois

Application March 18, 1939, Serial No. 262,733
5 Claims. (Cl. 10—86)



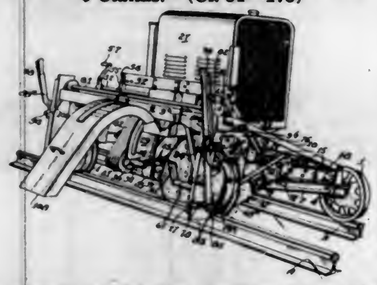
1. The method of preassembling a closed, continuous flat type washer with a shank of less diameter than the internal washer diameter and extending axially beyond the clamping surface of a rotary threaded fastener, which consists in telescoping said washer and shank, exerting pressure along the outer margin of the washer toward the washer axis so as to cause the inner margin of the washer to be shifted into operative association with said shank portion, and maintaining said washer in its normally flat state during the application of said pressure.

2,257,480

CUTTER MECHANISM

Henry J. Perazzoli, Philadelphia, Pa.

Application July 29, 1940, Serial No. 348,215
9 Claims. (Cl. 51—178)



1. Cutter mechanism comprising a wheeled vehicle having a frame, an inclined slideway supported by said frame, a slide slidable in said inclined slideway and having a clamping jaw adapted to engage a member to be cut, means for moving and locking said slide with its jaw in clamping position, and a cutter supported by said frame and movable relatively thereto into engagement with a member clamped by said jaw.

2,257,481

PROCESS FOR PREPARING WETTING AND FROTHING AGENTS AND PRODUCT THEREOF

Fredric Pollak, Yonkers, N. Y.

No Drawing. Application September 30, 1939, Serial No. 297,415. In Great Britain October 1, 1938
12 Claims. (Cl. 260—566)

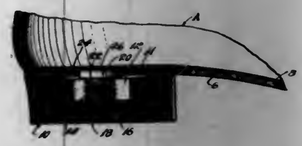
1. A process for preparing wetting and frothing agents, comprising preparing a condensation product from 1 molecule of 2,4-diaminotoluene and at least 1 molecule of formaldehyde and heating said product to a temperature of at least 70° C. and below the decomposition temperature of said product for a period of between about 1 hour and about 5 hours.

2,257,482

SHOE CONSTRUCTION

Steve Resko, Woodbridge, N. J.

Application November 25, 1940, Serial No. 367,045
9 Claims. (Cl. 36—38)



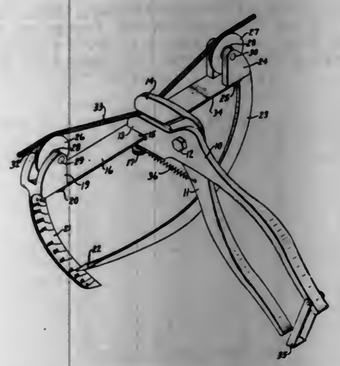
1. A shoe construction comprising the combination with a shoe upper having a sole rigidly attached thereto throughout its entire length, of a heel adapted to be attached to the sole, a recess in the said heel defining an upstanding spring-retaining and supporting lug, a spring mounted on the lug and held thereby, a second spring-retaining and supporting member for the spring, and a recess in the said sole for receiving the said second member into which recess the said member snugly fits and is retained thereby.

2,257,483

TENSION GAUGE

Jean A. Roché, Dayton, Ohio

Application February 3, 1940, Serial No. 317,059
10 Claims. (Cl. 265—1.6)



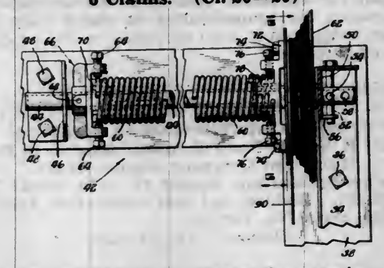
1. A tension gauging device comprising in combination two guides serving as supports for a tension member; a flexible element connecting the two guides; an anvil mounted on the flexible element intermediate the two guides; two manually operable levers one of which is connected to the anvil and the other having a finger-like extension in operative alinement with the anvil and adapted upon operation of the levers to force the tension member into contact with the anvil to deflect the flexible element in proportion to the tension of said tension member; and means mounted on the guides and actuated by deflection of the flexible element to indicate the tension of the tension member.

2,257,484

OVERHEAD DOOR CONSTRUCTION

Alvin V. Rowe, Galesburg, Ill., assignor to Rowe Manufacturing Company, Galesburg, Ill., a corporation of Illinois

Application November 1, 1939, Serial No. 302,396
6 Claims. (Cl. 20—20)



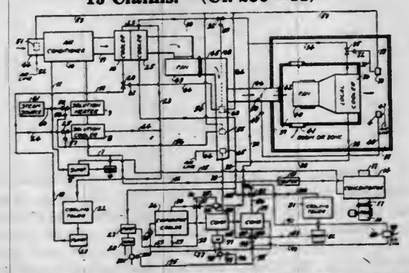
1. Counterbalancing means for use in overhead door constructions of the type employing a plurality of hingedly connected panels for closing a door opening, and a track structure associated with each side of said panels, for guiding said panels between vertical door closing and open overhead position, said counterbalancing means including a flexible lifting element for the door panels, one end of which is adapted to be secured to the door panels, a shaft adapted to be mounted in a horizontal position above the doorway, said shaft being normally secured against rotation but adapted for occasional rotary adjustment, a drum rotatable on said shaft and having the other end of said flexible lifting element secured thereto whereby, when the panels are shifted downwardly, rotation will be imparted to said drum, a torsion type counterbalancing spring encircling said shaft, one extremity of said spring being fixed with the shaft and the other extremity being movable as a unit with said drum, and means associated with an extremity of said shaft including an interlocking pin and aperture arrangement whereby, when said pin is disengaged from the shaft, said shaft is adapted to be rotatably adjusted for adjusting the tension of said spring.

2,257,485

AIR CONDITIONING SYSTEM

Henry R. Sewell, Norwell, Mass., assignor to B. F. Sturtevant Company, Hyde Park, Boston, Mass.

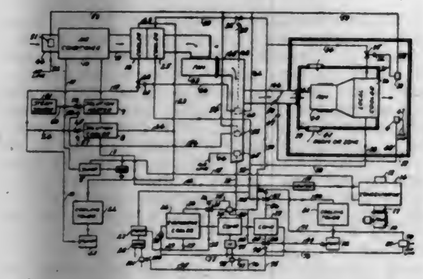
Application August 15, 1939, Serial No. 290,167
13 Claims. (Cl. 236—44)



8. An air conditioning system for a room comprising in combination, a central dehumidifier for dehumidifying outdoor air, means including a duct connecting said dehumidifier and room, means for varying the dew point temperature of the air in said dehumidifier, means including a

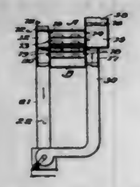
duct thermostat for controlling said last mentioned means, means in said duct for varying the temperature of the air delivered by said dehumidifier, means including a second duct thermostat for controlling said last mentioned means, and means including an outdoor air thermostat for adjusting said duct thermostats for increasing the temperatures at which they operate, conformably with increases in the outdoor air temperature.

2,257,486
AIR CONDITIONING SYSTEM
Henry R. Sewell, Norwell, Mass., assignor to B. F. Sturtevant Company, Boston, Mass.
Original application August 15, 1939, Serial No. 290,167. Divided and this application June 4, 1940, Serial No. 338,715
4 Claims. (Cl. 261—39)



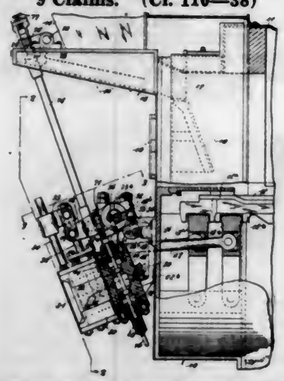
1. An air conditioning system for a local room, comprising in combination, means including a central dehumidifier for supplying dehumidified outdoor air into said room, means for circulating a hygroscopic solution through said dehumidifier, means for adjusting the vapor pressure of said solution, means responsive to humidity changes in the air delivered by said dehumidifier for controlling said last mentioned means, and means responsive to changes in outdoor temperature for adjusting said last mentioned means.

2,257,487
BREAD COOLER
Dwight Tenney, Verona, N. J.
Application August 19, 1937, Serial No. 159,979
6 Claims. (Cl. 34—50)



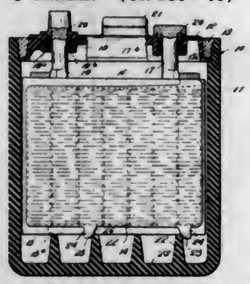
5. A cooler for bakery products comprising, an elongated passage, means for passing said products through said elongated passage, means for withdrawing hot vapors and air at spaced points on one side of said passage adjacent the entrance end of the passage, means for admitting untreated air at spaced points on the opposite side of said passage adjacent the entrance end thereof, means for circulating a stream of air over the bread in said passage adjacent the delivery end thereof, and means for regulating the moisture content of said stream of air.

2,257,488
GRATE ACTUATING MECHANISM
George Von Haase, Lakewood, Ohio, assignor to The American Ship Building Company, Cleveland, Ohio, a corporation of Ohio
Application October 20, 1939, Serial No. 300,437
9 Claims. (Cl. 110—38)



1. In apparatus of the character described, a support, a plurality of sets of movable grate elements, rock-shafts journaled on said support and connected with the respective sets of grate elements, fluid-pressure motors mounted on said support and connected with the respective rock-shafts, a valve for each motor, and means for timing the actuation of said valves including a separate power device and a shaft driven thereby and having a cam thereon adjacent each motor.

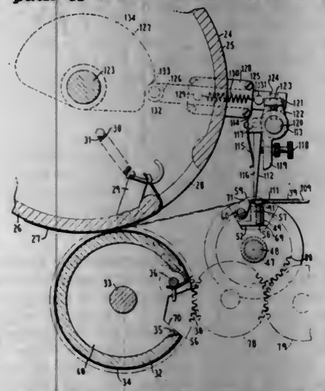
2,257,489
STORAGE BATTERY
Leland E. Wells, Cleveland Heights, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia
Application November 18, 1939, Serial No. 305,121
5 Claims. (Cl. 136—79)



5. A storage battery comprising a container having spaced ribs with rounded tops projecting thereinto, and plates in the container extending crosswise of the ribs and having spaced depending portions provided with outwardly and downwardly sloping faces engaging the remote sides of said rounded tops for supporting and locating the plates in the container.

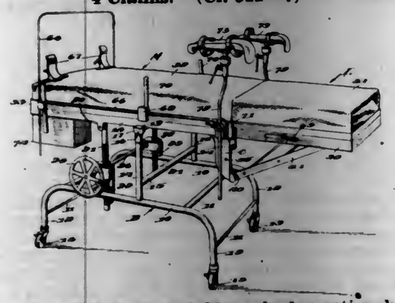
2,257,490
LITHOGRAPHIC MACHINE
Roy Aberle, Long Branch, N. J.
Application February 8, 1938, Serial No. 189,445
4 Claims. (Cl. 101—142)

1. A printing machine comprising rotary printing means including a cylinder adapted to progressively place a printed impression on a moving sheet along a certain printing line parallel to the axis of said cylinder, said line being stationary with relation to the periphery of said cylinder and said moving sheet; a continuous moving conveyer approaching said printing line along a first rectilinear path of travel substantially tangential at the printing line to said cylinder and leaving said line along a second rectilinear path of travel substantially tangential



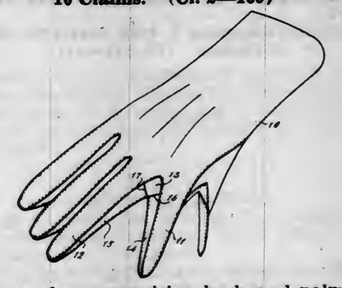
at said printing line to said cylinder; sheet gripping means on the conveyer adapted to grasp the leading edge of said sheet; registering means, associated with said cylinder, adapted to engage the gripping means for aligning same in predetermined relation with said cylinder at the inception of the printing operation on said sheet, said registering means and said gripping means becoming disengaged immediately thereafter by reason of the second tangential path of travel of the conveyer.

2,257,491
OBSTETRICAL TABLE
Edward R. Armstrong, Columbus, Ohio, assignor to F. O. Schoedinger, Columbus, Ohio
Application February 8, 1940, Serial No. 317,987
4 Claims. (Cl. 311—7)



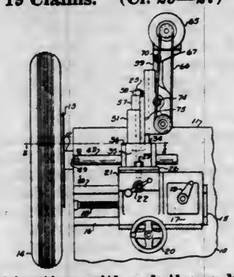
1. In an obstetrical table, a body section having a frame provided with longitudinally extending guide members, said guides terminating at the forward end of said body section, carriage means disposed beneath said body section for longitudinal movement in said guides, a foot section supported solely by said carriage means, said foot section having a rigid frame, link means pivotally connected at the ends with the rear end of said foot section frame and said carriage, whereby said foot section may be swung between an elevated position in horizontal registration with said body section and a position lower than said body section at least the thickness thereof, and adjustable brace means connecting said carriage and the forward portion of said foot section frame to hold the latter horizontal in both elevated and lowered positions.

2,257,492
GLOVE WITH SEAMLESS CROTCHES
Alice Bates and Harry Bates, New York, N. Y.
Application June 22, 1939, Serial No. 280,646
10 Claims. (Cl. 2—169)



1. In a glove comprising back and palm portions having corresponding digit extensions separated by slits, the slits between the digit extensions of the back portion extending to a greater depth than the slits between the corresponding digit extensions of the palm portion, fourchettes connecting the corresponding digit extensions of the back and palm portions, and crotch inserts stitched to the inner ends of adjoining fourchettes, said inserts constituting substantially right angled elbow connections between said fourchettes, when each set of two adjoining fourchettes and crotch insert intervening therebetween are extended in a common plane.

2,257,493
ATTACHMENT FOR MACHINE TOOLS AND THE LIKE
John Y. Blazek, Bedford, and Vernon R. Roy, Cleveland, Ohio, assignors to Lempco Products, Incorporated, Bedford, Ohio, a corporation of Ohio
Application June 15, 1939, Serial No. 279,284
19 Claims. (Cl. 29—27)



6. In combination with a lathe, a base member supported thereby, a tool supporting member supported by said base member, said members being rotatable about a common axis with respect to said lathe, one of said members having a plurality of openings therein spaced circumferentially about said axis, a pin carried by the other of said members and adapted to selectively enter

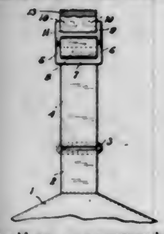
any of said openings for locking said members against rotation relatively to each other, said base member having an arcuate slot the center of which is on said axis, means projecting through said slot for locking said base member to said lathe, a second tool supporting member rotatably carried by said first-named tool supporting member and means for locking said tool supporting members against rotation relatively to each other.

2,257,494

SHOULDER-STRAP-RETAINING DEVICE

Morton Brown, New York, N. Y., assignor to Strap-A-Liner Corp., a corporation of New York

Application November 5, 1940, Serial No. 364,352
2 Claims. (Cl. 241—12)



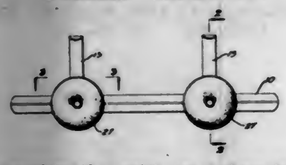
1. In combination, a garment provided with a shoulder strap, a one-piece buckle secured to said strap, said buckle comprising a plurality of cross bars, to one of which the end of said strap is secured, said strap being looped upon itself and passing between certain of said cross bars to provide for lengthwise adjustment of said strap, a second garment provided with a shoulder strap, said buckle having inwardly directed, opposed, spaced fingers extending from one end thereof providing a passageway between the fingers for the entrance of said second strap between the spaced fingers, said fingers embracing both straps and holding the same in frictional engagement with each other and in superimposed alignment.

2,257,495

AUTOMOBILE BUFFER

Rollie B. Fageol, Beverly Hills, Calif.

Application September 18, 1939, Serial No. 295,436
5 Claims. (Cl. 293—55)



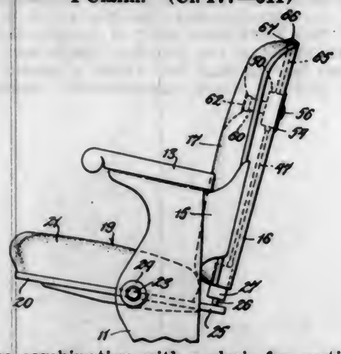
1. In combination with an automobile bumper bar having a vertically convex impact face, a buffer structure to be mounted thereon, an intermediate mounting block of deformable material interposed between the buffer and the convexed face of the bumper bar, the face of the mounting block which contacts with the face of the bumper bar being concaved and struck by shorter radius than the radius of the bumper bar face, and a bolt engaging the buffer structure and passing through the mounting block and the bumper, whereby the mounting block will be drawn against the bumper to rigidly hold the same and to cause the concaved face of the mounting block to conform to the convexed face of the bumper bar.

2,257,496

CHAIR FOR MOTION PICTURE THEATERS

Daniel Dewey Gaugler and Edna Elizabeth Gaugler, Shamokin Dam, Pa.

Application April 12, 1939, Serial No. 267,510
1 Claim. (Cl. 177—311)



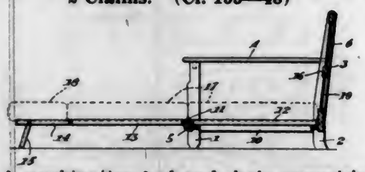
The combination with a chair for motion picture theaters having a back, a seat moved relative to said back by the weight of the patron occupying the chair and a standard supporting said back and seat, of means for indicating when the seat is unoccupied comprising an electric switch mounted on said back and including a part engaged by said seat to open said switch upon the movement of the seat in response to the weight of the occupant, spring means for yieldingly returning said seat to a slightly extended position to close said switch when the occupant arises therefrom, an electric signal lamp mounted on said back directly above said switch and above the level of the knees of the seated patrons for providing an indicator, which is visible at a distance, that the seat is unoccupied, a vertical tube arranged in said back and connecting with said switch and signal and an electric wire in said tube and connecting said signal and switch in circuit with each other.

2,257,497

COMBINATION BED AND CHAIR

Hyman Gertler, Montreal, Quebec, Canada

Application August 29, 1939, Serial No. 292,481
2 Claims. (Cl. 155—48)



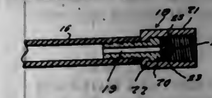
1. A combination bed and chair comprising in combination a chair frame having a front portion formed in two sections and hinged together, two bed forming sections of equal size each attached to one of said hinged front sections and in folded position forming the base of the chair seat, a smaller head section hingedly attached to the upper of said two sections and designed to be coextensive with the upper section when said upper section and head section are unfolded to form the base of a bed, the head section having foldable supporting means to maintain it and the upper section in a plane parallel to the lower section in bed forming position, the dimensions of the sections being such that when in use as a bed, the hinged connections between the sections will be situated approximately at the neck and knees of the user and when folded will lie within the normal confines of the chair, said head section being hingedly connected to the upper section at a point inwardly of the end of said section nearest said connection to dispose the head section at an incline to the back portion of the frame, a pair of cushions forming a seat and supported by the base and a cushion of smaller dimensions designed to rest on the uppermost seat cushion and lie against the back of the frame, the upper portion of the inclined head section forming a guide to dispose the smaller cushion at a natural angle of repose and to prevent said cushion from wedging between the seat cushions and the back of the frame.

2,257,498

TIRE INFLATION APPARATUS

Clarence K. Hansen, Racine, Wis.

Application October 10, 1939, Serial No. 298,844
1 Claim. (Cl. 284—19)



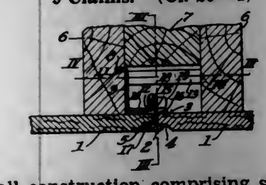
A device for attaching one end of a valved tire inflation tube to a tire valve and to hold said valve open comprising an axially bored nipple adapted for insertion in said end of the tube, a coupling rotatable on said nipple and adapted for attachment to said valve, and a resilient disc fitting in said coupling and against said nipple and having an axial teat adapted to extend into said valve and bear against the valve stem to hold the valve open, said disc having an air passage extending therethrough obliquely to register with the bore of the nipple and to avoid said teat.

2,257,499

FASTENING MEANS FOR UNITING BUILDING MEMBERS

Henry Hasenburger, Newark, N. J., and Harvey Wiley Corbett, New York, N. Y., assignors to Prebilt Housing Corporation, New York, N. Y., a corporation of Ohio

Application April 4, 1940, Serial No. 327,842
9 Claims. (Cl. 20—4)



1. Wall construction comprising spaced studs, a plurality of wall-forming panels placed against said studs, one of said panels having one of its longitudinal edges formed with a groove, a bracket vertically adjustable between said studs, said bracket having a wedge-shaped flange, a movable slide member mounted on said bracket flange, and a lip formed with said slide member and receivable within the longitudinal groove of said panel.

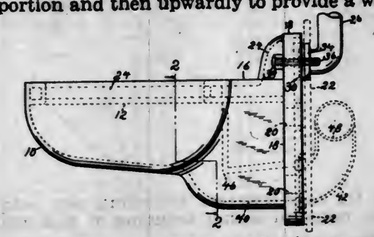
2,257,500

WATER CLOSET BOWL

Victor A. Hoffmann, Harvey, Ill.

Application November 24, 1939, Serial No. 305,823
4 Claims. (Cl. 4—69)

1. In a stack hung bowl having a vertical attaching portion, a flush pipe receiving opening at the top of said bowl, a passageway extending from said opening through said vertical portion into the interior of the bowl, and a discharge passageway extending from the bottom of the bowl through the lower portion of the vertical attaching portion and then upwardly to provide a water



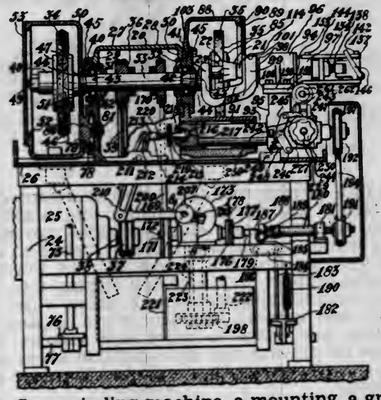
seal, said discharge passageway having a portion wherein the bottom surface is substantially level in a longitudinal direction and the upper surface thereof is inclined upwardly toward the discharge end thereof.

2,257,501

GRINDING MACHINE

Francis A. Jimerson, Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey

Application October 22, 1938, Serial No. 236,518
5 Claims. (Cl. 51—95)



1. In a grinding machine, a mounting, a grinding wheel supported by the mounting, a work holder adjustable angularly with respect to the grinding wheel to change the axis of the work holder to an inclined position with respect to the axis of the grinding wheel, a horizontal pivot for the work holder, a feeding device for effecting feeding movement of the work holder, means for moving the work holder with respect to the grinding wheel, means for actuating the feeding device in response to movement of the first said means, and means controlled by the feeding device for tilting the work holder from the grinding wheel upon completion of a grinding operation.

2,257,502

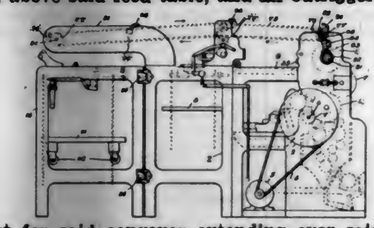
PRINTING PRESS

Joseph F. Jirousek, Cleveland, Ohio, assignor to The Chandler & Price Company, Cleveland, Ohio, a corporation of Ohio

Application January 5, 1938, Serial No. 183,476
3 Claims. (Cl. 101—232)

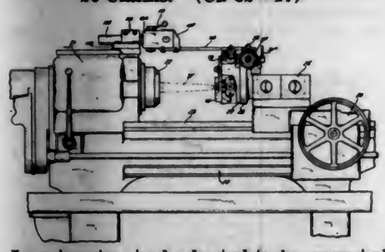
1. In a printing press, an impression cylinder, a pivotally mounted delivery table rearwardly spaced therefrom, a rearwardly movable feed table between said cylinder and said delivery

table, a sheet conveyor running from said impression cylinder to said delivery table and passing above said feed table, and an outrigger sup-



port for said conveyor extending over said delivery table, to permit swinging of said delivery table.

2,257,503
TURNING TOOL
Max E. Lange, Cleveland Heights, and Wilbur C. De Graff, South Euclid, Ohio, assignors to The Warner & Swasey Company, Cleveland, Ohio, a corporation of Ohio
Application May 26, 1938, Serial No. 210,136
26 Claims. (Cl. 82—17)

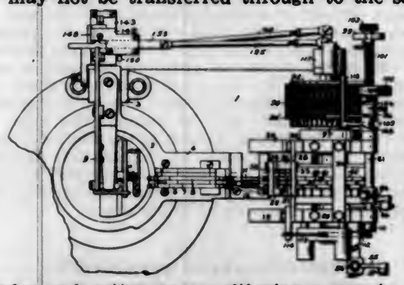


1. In a turning tool adapted to be mounted on the face of a turret of a machine tool, a slide, a worm carried by said slide for axial movement therewith or for rotation thereon, means on said slide for resisting the thrust of said worm, a movable support for carrying a cutting tool, operative connections including a worm wheel between said support and said worm, means for rotating said worm to move said support, and means for moving said slide and said worm endwise simultaneously therewith to also move said support.

2,257,504
STRIPING DEVICE FOR KNITTING MACHINES
Robert H. Lawson, Pawtucket, and Augustin Gagné, Central Falls, R. I., assignors to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application July 2, 1937, Serial No. 151,722
14 Claims. (Cl. 66—140)

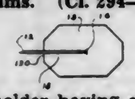
1. A knitting machine having in combination yarn feeding means, cam means individual to each yarn feeding means for effecting changes in the position of said feeding means to change from one feeding yarn to another as for horizontal striping, means for advancing said cam means through different positions to effect the control of said feeding means, pattern means associated with said cam means, said cam and pattern means being mounted on a common shaft, and means between said pattern means and the cam advancing means to determine the effect thereof on said cam means.

9. A binder and cutter for a knitting machine and operating means therefor including a constantly reciprocating element for imparting periodic impulses to actuate the binder and cutter, a movable element whereby said impulses may or may not be transferred through to the said



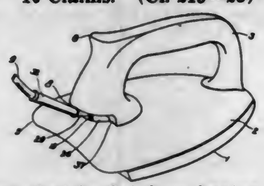
binder and cutter, and positioning means to set this movable element in a position whereby the impulses may or may not be imparted in accordance with a predetermined pattern.

2,257,505
CORNCOB HOLDER
Malvin Lichter, New Rochelle, N. Y.
Application September 7, 1940, Serial No. 355,803
6 Claims. (Cl. 294—5)



1. A corn cob holder having a handle portion and a tine, said handle portion being formed from laminar sheet material and having a central lamination and outer laminations, a slot in said central lamination, a portion of said tine being encased within said slot.

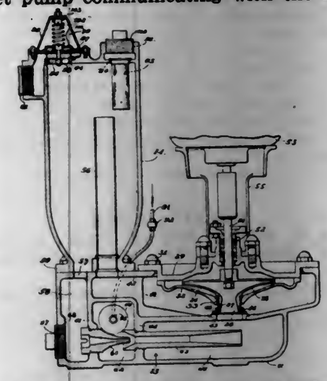
2,257,506
FLATIRON
John G. Macdonald, Toronto, Ontario, Canada
Application February 27, 1940, Serial No. 321,074
10 Claims. (Cl. 219—25)



1. In an electric flat iron having a body, a heating unit in said body and a handle connected to said body; a post rigidly mounted in said body, a terminal block pivotally supported on said post, supply conductors passing through an elongated opening in said flat iron and connected to terminal means on said pivotally supported terminal block, said terminal means maintained in continuous rubbing contact with fixed terminals directly connected to said heating unit.

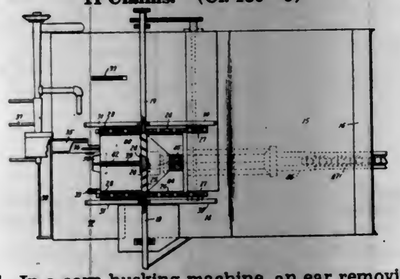
2,257,507
PUMPING APPARATUS
John Mann, Seneca Falls, N. Y., assignor to Goulds Pumps, Inc., Seneca Falls, N. Y., a corporation of New York
Application March 28, 1940, Serial No. 326,445
30 Claims. (Cl. 103—6)

1. A pumping system comprising, in combination, a pressure pump having a suction inlet, an air separating chamber located well above the level of the pressure pump and having an inlet into which said pressure pump discharges, means including a suction conduit and a jet pump having a nozzle for drawing liquid from a source of supply, said chamber having an outlet communicating with the nozzle of the jet pump and said jet pump communicating with the suction



inlet of the pressure pump, said chamber inlet and outlet being arranged with respect to each other so that air and liquid separation take place in the chamber and the liquid flowing to said nozzle is substantially air free, and a pneumatic pressure tank connected to said chamber so that liquid and separated air flow thereto from said chamber.

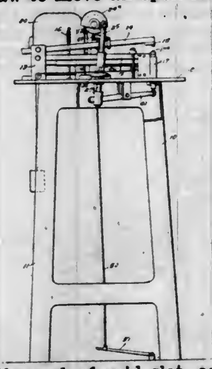
2,257,508
CORNHUSKING MACHINE
Samuel E. Morral, Morral, Ohio, assignor of one-half to William W. Morral, Morral, Ohio
Application November 8, 1938, Serial No. 239,530
11 Claims. (Cl. 130—5)



1. In a corn husking machine, an ear removing device, means for feeding stalks of corn transversely to their length to and past said ear removing device, a binding table to receive said stalks from said feeding means, and a supplemental feeding device arranged beyond said ear removing device and having means to engage the intermediate portions of said stalks and advance said intermediate portions with relation to the end portions of said stalks.

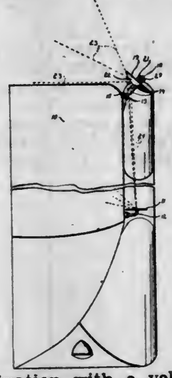
2,257,509
LINKING MACHINE
Earle L. Morrow, Johnston, R. I., assignor to Frank Morrow Co., Inc., a corporation of Rhode Island
Application May 1, 1940, Serial No. 332,726
6 Claims. (Cl. 59—1)

1. In an apparatus of the type described, a magazine for holding open connecting links, means for feeding said links from said magazine to a slot, a positioning jaw reciprocable in said slot, a cooperating pressure jaw pivotally movable above said slot, means for reciprocating said positioning jaw to move an open link to exposed



position at the end of said slot, and means for moving said pressure jaw to close said exposed link, said second named means being adapted to move said positioning jaw to eject said link from said slot after the closing action of said pressure jaw.

2,257,510
DEVICE FOR OBSERVING THE AREA IN THE REAR OF VEHICLES
Charles L. Mote, Des Moines, Iowa
Application February 19, 1940, Serial No. 319,630
2 Claims. (Cl. 88—86)

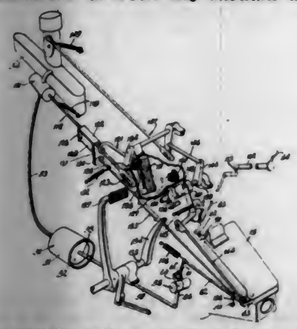


1. In combination with a vehicle having an outside rear vision mirror mounted on its outside front portion and facing substantially rearwardly, a convex mirror mounted on the outside rear end corner of said vehicle at an angle to both the longitudinal and transverse axes of said vehicle with the convex face of said mirror extending inwardly and forwardly relative to the central area of said vehicle; said convex mirror being in line with said first mentioned mirror so as to reflect to the first mentioned mirror the area surrounding the immediate rear of said vehicle.

2,257,511
TRANSMISSION
Paul W. Neff, New Kensington, Pa.
Application December 6, 1937, Serial No. 178,267
23 Claims. (Cl. 192—.01)

1. In a speed change transmission, including.

a motor, a vehicle, the speed control means for the motor, and the braking means for the vehicle; a set of gears adapted to be engaged, a plurality of devices for coupling said gears, a hand-controlled means for selecting a particular device, a vacuum device in operative connection with the manifold of the engine for uncoupling the gears, a spring actuating said hand controlled means for coupling the gears, a control valve in the connection between the vacuum device and



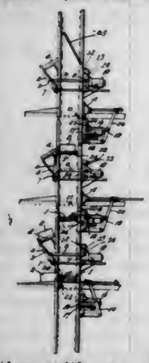
the manifold, said control valve operated by the speed control means for the motor, an intercontrol for said valve, operated by the gear shifting device for high gear, and a connection between said braking means and said intercontrol for operating said intercontrol and causing gear disconnection and free wheeling when the speed control means is released, said intercontrol normally holding the gear shifting means in gear engaging condition.

2,257,512

AUTOMATIC LOADING AND DELIVERY MECHANISM FOR CONVEYERS

Samuel Olson and Percy E. Lenfestey, Chicago, Ill., assignors to Samuel Olson Mfg. Company, Inc., Chicago, Ill., a corporation of Illinois

Application June 29, 1939, Serial No. 281,918
9 Claims. (Cl. 214—11)



1. In combination with an elevator having load-supporting flights at intervals, a loading station and a plurality of unloading stations with load discharge mechanism at each unloading station, a separate control device for each discharge mechanism located adjacent the corresponding station and adjacent the path of the flights, the several control devices being disposed at different distances from a fixed base-line extending in the direction of travel of the flights, and a trip member mounted on each of the flights which travel adjacent said control devices and adjustable transversely of the direction of travel into position for encountering and actuating any selected control device as the flight passes it, for effecting discharge of the load from that flight at the corresponding station, together with a shifter mounted at the loading station for movement transversely of said direction of travel and in engagement with any one of said trip members for setting it during its travel, and stop means adjustable at will to predetermine the stroke of the shifter and the consequent movement of the trip member to a selected position determining the destination of a load to be carried by the flight on which such trip member is mounted.

2,257,513

ROLLING DOOR

Edward K. Pilcher, Detroit, Mich., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich., a corporation of Michigan

Application November 1, 1939, Serial No. 302,402
7 Claims. (Cl. 189—51)



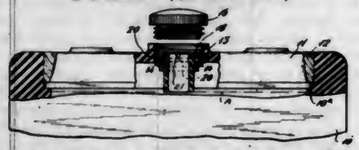
1. In a rolling door of the type in which a plurality of slats are hinged together, the front faces of the slats being flush with each other, each slat having exterior and interior joint members which extend outwardly from the rear face of the slat; the improvement in which the interior joint member is a hollow cylindrical bead with a channel opening away from the rear face of the slat along one edge thereof, and the exterior joint member is a hooked flange which extends upwardly and outwardly from the other edge of the slat and which is shaped in a simple curve so as to have its entire inner surface in contact with an interior joint member when the door is in straight position.

2,257,514

STORAGE BATTERY

Robert M. Raney, Euclid, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia

Application April 13, 1940, Serial No. 329,503
1 Claim. (Cl. 136—178)



A storage battery cell cover having a filler well provided at the bottom thereof with an inwardly extending ledge, a vent plug adapted to be received in the upper part of the well to close the same and provided at the top with a vent opening, a tubular flexible insert seated in the lower part of the well and extending downwardly beneath said ledge to determine a normal electrolyte level, said insert having a body portion which is smaller in diameter than the annular opening defined by said ledge and provided at

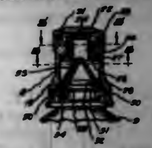
the upper part thereof with two annular flanges which overlap the ledge and are located respectively above and below the same, the distance between said flanges being greater than the thickness of the ledge and the upper flange being slotted, said insert having between the flanges flexible projections which engage the upper surface of the ledge and which when the vent plug is removed hold the lower flange in sealing engagement with the ledge, the length of the vent plug being such that when the plug is placed in well closing position its lower end engages the top flange of the insert and depresses the latter so as to flex said projections and move said lower flange downwardly away from the lower surface of the ledge thereby establishing a venting outlet from the lower side of the cover through the space between the ledge and the insert and through the slotted upper flange into the vent plug body.

2,257,515

BOTTLE AND CLOSURE THEREFOR

Victor S. Reynolds, Detroit, Mich., assignor, by direct and mesne assignments, to Victor Closure Corporation, a corporation of Michigan

Application March 20, 1939, Serial No. 262,834
4 Claims. (Cl. 215—21)



1. A container closure of the class described, comprising: a tubular body; a plurality of inwardly directed spaced ribs extending around the inner faces of said body, adjacent its outer end, said ribs being of equal length, and terminating outwardly from the center of said body to define with their inner ends a bore; a cup-shaped member insertible into said bore with the closed end thereof projecting outwardly; a flange on said cup-shaped member for engaging against the sides of said ribs, and limiting outward axial movement of said member relative to said tubular body; a valve seat-forming member having an opening formed therein, and positioned in said tubular body in spaced relation to the inner end of said cup-shaped member; and a valve member tapered longitudinally of its axis, and engaging at its base with said valve seat, and forming a closure for said opening; the tapered end of said valve projecting inwardly of said cup-shaped member.

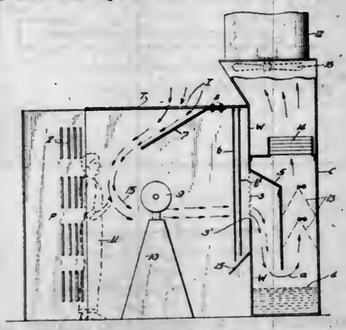
2,257,516

OPERATOR-PROTECTING SPRAY BOOTH

John F. Roche, Jr., Oak Park, and Matt Darbyshire, Chicago, Ill., assignors to Binks Manufacturing Company, Chicago, Ill., a corporation of Delaware

Application March 1, 1938, Serial No. 193,320
6 Claims. (Cl. 91—60)

1. A booth for housing a piece of work at which particles of material will be cast into adjacent space with high momentum during work operations, comprising side walls, front and rear walls having air inlet and outlet means respectively, so arranged that a stream of air may travel rearwardly through the chamber past a predetermined work location, a top having an opening for entry of air into the booth, means for causing a flow of air through said booth from front to rear thereof and downwardly through said top opening, and guide means below the last mentioned opening so located as to extend downwardly into the chamber toward the front wall at a position above said work location and in such manner as to direct a downwardly flowing stream of air into the space between the work location



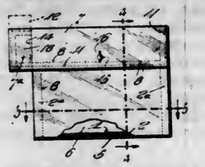
and the front wall at a position adjacent to said work location, whereby particles cast from the work into the adjacent space will be caught by the downwardly flowing stream in front of the work location and diverted into the rearwardly flowing stream.

2,257,517

FILING ENVELOPE

Caroline A. Spotts, Muncy, Pa.

Application October 17, 1940, Serial No. 361,633
2 Claims. (Cl. 129—16.7)



1. A filing device comprising a sheet of woven asbestos strands, a facing sheet for the asbestos sheet formed of oiled silk, the said sheets being folded to form front and rear walls of an envelope and a closure flap for the envelope, the facing sheet being of greater dimensions than the asbestos sheet and having marginal portions folded inwardly against inner faces of the asbestos front and rear walls and closure flap and constituting shields for edges thereof, lines of stitching passing through the asbestos sheet and the facing sheet to hold the facing sheet smoothly against the asbestos sheet and secure the side edge portions of the front and rear walls together, and a fastener for releasably holding the flap closed.

2,257,518

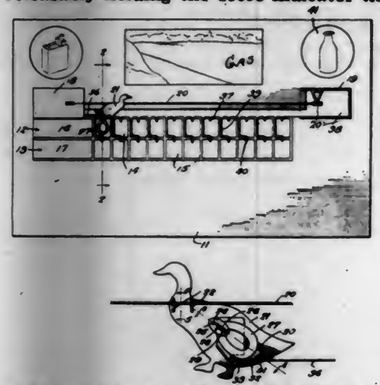
SCOREBOARD

James Olin Tice, Columbia, S. C.

Application April 10, 1940, Serial No. 329,002
8 Claims. (Cl. 116—120)

7. In a game score indicating apparatus, a score board having a row of appropriately delineated score indicating spaces, a character member, means for supporting and moving said character member along said row so as to bring it into registry with any of said indicating spaces, a score indicator adapted to be transported by said character member to a selected indicating space and to be released therefrom so as to drop

into said space, means on the character member for releasably holding the score indicator there-

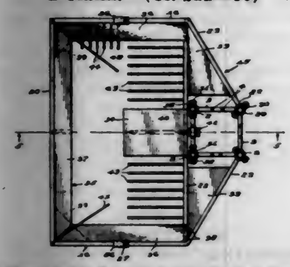


on, and means for actuating said holding means to release the score indicator.

2,257,519
METHOD OF TREATING "VINYON" AND "VINYON" COMBINED WITH OTHER FIBERS
Abby Henry Weiswasser and Frederick Weiswasser, Philadelphia, Pa.
No Drawing. Application June 4, 1941, Serial No. 396,578
7 Claims. (Cl. 8—18)

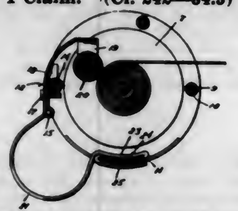
1. The method of treating "Vinyon" fabric which consists in supporting the fabric in a stretched condition to expose one face thereof, subjecting the exposed face to the action of steam and the opposite face to the action of the steam which has passed through the fabric and been deflected against such opposite face of the fabric, whereby the fabric is fused and set to obtain a stiffened fabric in substantially unretracted condition.

2,257,520
FINGER BOARD
Lantrip M. York, Lake Charles, La.
Application April 15, 1940, Serial No. 329,806
1 Claim. (Cl. 211—60)



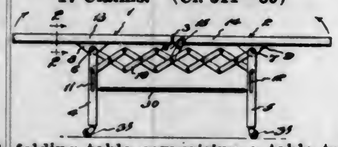
A racking and finger board structure for attachment to a derrick boom comprising a rectangular skeleton frame including front, rear and end bars, respectively, an angle plate disposed between said front bar and each end bar, attaching means on said rear and end bars whereby said frame is adapted for attachment to one side of the boom to extend laterally therefrom at a right angle thereto, a series of racking fingers secured to and extending from one end bar inwardly of said frame, and a platform panel extending along said one end bar and supported by said rear bar and an angle plate for use by a workman to rack pipe between said fingers, said fingers underlying said platform panel and extending inwardly, beyond said panel to accommodate the pipe therebetween.

2,257,521
BACKLASH PREVENTER FOR FISHING REELS
Verner E. Babcock, Port Clinton, Ohio
Application November 1, 1940, Serial No. 363,941
1 Claim. (Cl. 242—84.5)



An attachment for fishing reels comprising a resilient element and spring means for either holding the resilient element against the line on the reel or in displaced location with respect thereto.

2,257,522
FOLDING TABLE
Emmett C. Bailey, Washington, D. C.
Application May 27, 1939, Serial No. 276,185
17 Claims. (Cl. 311—89)

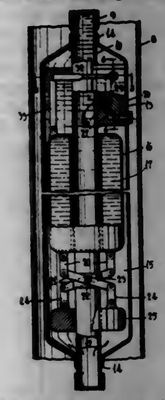


1. A folding table comprising a table top section mounted pivotally on a pair of legs at a point intermediate its ends, an adjacent table top section similarly mounted and pivotally secured to the first mentioned section along a folding line, the said two sections forming a plane table surface when said table is in its open position, and at least one lazy tongs secured between the legs of said sections and mounted in such manner as to maintain the leg pairs substantially parallel both when the table is folded and when open as well as when in intermediate positions, the said table being so constructed and arranged that it can be folded by tilting said table top sections through an angle of 90 degrees in opposite directions about their leg pivots, whereby the table tends to fold automatically.

2,257,523
WELL CONTROL DEVICE
Chester A. Combs, Benavides, Tex., assignor of thirty-three and one-third per cent to B. L. Sherrod, Conroe, Tex.
Application January 14, 1941, Serial No. 374,383
9 Claims. (Cl. 103—232)

1. In a flow control device for wells having a casing with tubing arranged therein, a jacket secured to a portion of the tubing and forming a gas-tight chamber, a port placing the interior of the tubing in communication with the lower portion of said chamber, a passageway placing the interior of the casing at the exterior of the jacket in communication with the interior of

the tubing at a point above said port, a valve to control the passing of gas through the passageway, a float in said chamber, said chamber being segregated from the tubing above said float,



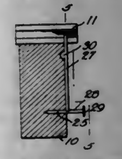
whereby gas may be trapped in the chamber by liquid rising therein, and means operatively connecting the float to said valve to permit the valve to open when the float rises and to close the valve when the float descends.

2,257,524
SOLAR WATER HEATER
Alexander De Bogory, Miami, Fla.
Application March 15, 1938, Serial No. 195,971
2 Claims. (Cl. 126—271)



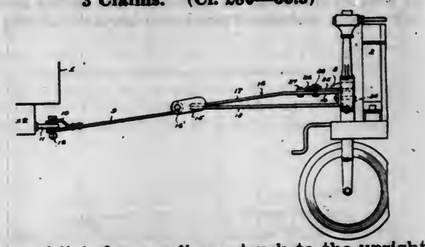
1. A solar water heater provided with a continuous longitudinal concave top and continuous convex bottom tube, the concave top of said tube being exposed to the heat rays of the sun, the concavity of said top being relatively shallow and of such curvature that the lower portion of the exposed upper concave surface will receive the heat rays reflected from the sides thereof.

2,257,525
FASTENING DEVICE
Emanuel Gisondi, Scarsdale, N. Y.
Application December 22, 1939, Serial No. 310,653
7 Claims. (Cl. 85—13)



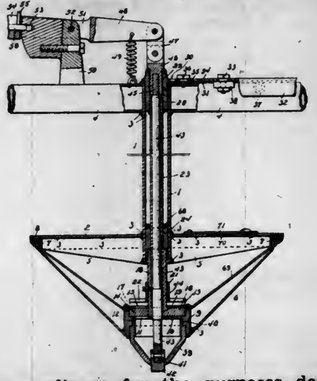
2. A fastening device of one-piece construction comprising a body portion, a single sharp prong at one end disposed at right angles to said body portion, another single sharp prong at the other end of the body portion disposed at right angles to said body portion and at right angles to the other prong, and an offset portion in said body portion to provide a handle while the device is being driven.

2,257,526
TRAILER HITCH FOR TOWING TRACTORS
Curtis Flodman, Polk, Nebr.
Application May 15, 1941, Serial No. 393,625
3 Claims. (Cl. 280—33.5)



1. A hitch for coupling a truck to the upright shank of a castor-type steering wheel of a tractor, said hitch comprising a draft tongue having a rear end plate provided with an upper edge notch, a U bolt for securing the plate to said shank to extend forwardly thereof, an arm adapted for attachment to said shank above said plate to interfit with said notch, a pair of cheek plates extending forwardly from the front end of said tongue upon opposite sides thereof, respectively, and a draft bar pivotally mounted between said plates for vertical swinging movement.

2,257,527
PLANT SETTER AND CORN AND BEAN PLANTER COMBINATION
Murl John Kimble, Billings, Mont.
Application April 26, 1940, Serial No. 331,879
14 Claims. (Cl. 111—96)

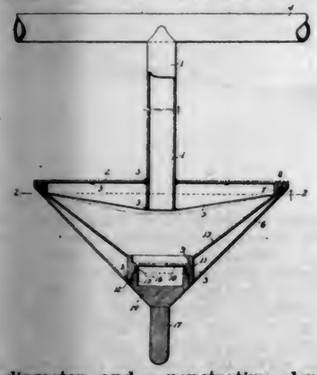


1. An appliance for the purposes described, comprising an elongated tube, a disc rigidly secured adjacent one end of the tube, a handle secured to the other end of the tube, a frusto-conical shell secured at its end of greater diameter to said disc, a coupling member rigidly secured within said shell to its end of lesser diameter, and a penetrating element removably secured to said coupling member.

2,257,528
PLANT SETTER
Murl John Kimble, Billings, Mont.
Original application April 26, 1940, Serial No. 331,879. Divided and this application filed February 10, 1941, Serial No. 378,295
4 Claims. (Cl. 111—99)

1. An appliance for the purposes described,

comprising an elongated tube, a disc rigidly secured adjacent one end of the tube, a handle secured to the other end of the tube, a frusto-conical shell, means to secure said shell at its end of greater diameter to said disc, a coupling member rigidly secured within said shell to its end of



lesser diameter, and a penetrating element removably secured to said coupling member and having a frusto-conical portion whose surface constitutes an approximate continuation of that of said shell, and having a cylindrical extension from the end of said frusto-conical portion which is of the lesser diameter.

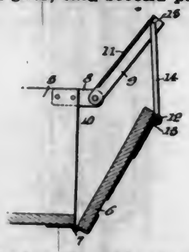
2,257,529
DRAWING INSTRUMENT
George E. Mattos, Oakland, Calif.
Application May 18, 1940, Serial No. 336,034
2 Claims. (Cl. 120—19)



1. A device of the character described, said device comprising a tube formed in one side with a longitudinal slot defining spaced flanges, a frictional slide having a first part extending through and movable along said slot, a second part connected to said first part and sliding behind said flanges and engageable with the upper end of said rod, and a third part connected to said first part and frictionally bearing against the outer side of said flanges, said first, second, and third parts being integral portions of a single piece of flat spring material.

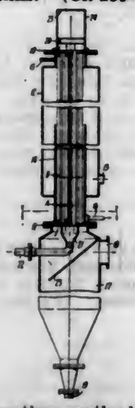
2,257,530
TAIL GATE MOUNTING MEANS
Albert Orschein, Moberly, Mo.
Application January 24, 1941, Serial No. 375,859
1 Claim. (Cl. 296—57)

In combination with a vehicle body having a gate hinged at its lower edge to swing rearwardly and downwardly; one vertically hanging inherently rigid link disposed at one vertical edge of said gate at the exterior of said body, one pivot connecting the upper end of said one inherently rigid link with said body, a second vertically hanging inherently rigid link adjacent said one inherently rigid link and also disposed at the exterior of said body, a second pivot connecting the upper end of said second inherently rigid link with said gate, said second pivot being sub-



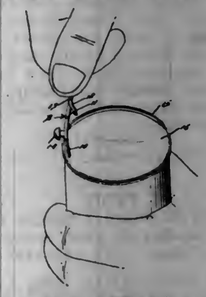
stantially alined with said one pivot, a third pivot connecting the lower ends of said inherently rigid links with each other, said links having abutting portions which prohibit rearward swinging of said gate until said links are swung rearwardly and upwardly, and an elongated bearing for said third pivot, said bearing being rigidly secured to the lower end of one of said links, projecting laterally outward therefrom, and constituting a handle for use in swinging said links to and from gate-closed position.

2,257,531
EVAPORATING APPARATUS AND METHOD
David D. Peebles, Berkeley, Calif.
Application August 8, 1938, Serial No. 223,683
9 Claims. (Cl. 159—27)



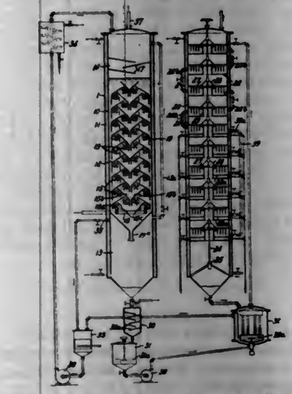
4. In an evaporating method for the concentration of pulp-like liquid materials containing suspended solids, wherein the material to be evaporated is passed at high velocities through two sets of upright heated evaporating tubes, with one set of tubes having its upper end connected to a plenum chamber which also connects with the upper ends of the second set of tubes and with the top wall of the plenum chamber overlying the upper ends of both sets of tubes; the improvement comprising causing liquid material interspersed with evolved vapor to pass rapidly upwardly through the one set of evaporating tubes whereby a mixture of vapor and liquid material jets from the upper end of the first set of tubes, causing the liquid material in the jetting mixture to lose its upward velocity before contact of the same with the top wall of the chamber, and then immediately transferring a mixture of evolved vapor and liquid material from the chamber into the upper end of the second set of tubes.

2,257,532
OPENING DEVICE
Angelo Mario Perocco, Santa Barbara, Calif.
Application January 31, 1941, Serial No. 376,901
4 Claims. (Cl. 30—3)



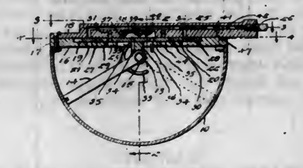
1. An opening device of the character described comprising a pair of elongated members pivotally connected together, one of said members being pivoted to the other at a point inwardly from one end of the latter to define an extension adapted to bear against the intermediate portion of the other member, and opening means at the remaining end of one of the members, said opening means consisting of a tapered blade having both edges sharpened and a stud projecting laterally from the blade.

2,257,533
APPARATUS FOR THE TREATMENT OF GASES
Gustave T. Reich, Philadelphia, Pa.
Application March 22, 1939, Serial No. 263,515
9 Claims. (Cl. 23—283)



1. Apparatus for the treatment of gases with liquids with the formation of a solid precipitate which comprises a casing, means for circulating a liquid downwardly through said casing, means for passing a gas into said casing in the lower portion thereof, means providing intimate contact between the gas and the liquid comprising a plurality of rotatable agitators positioned in said casing in the upward path of the gas, and means so constructed and positioned around each agitator as to define a separate zone for each agitator and to guide the gas into said effective zone and comprising baffle members so constructed and positioned as to provide uninterrupted substantially vertical passages outside the effective zone of said agitators for the settling of solids.

2,257,534
WINDSHIELD WIPER MOTOR
Douglas S. Renwick, Utica, Mich.
Application August 7, 1939, Serial No. 288,847
1 Claim. (Cl. 121—97)

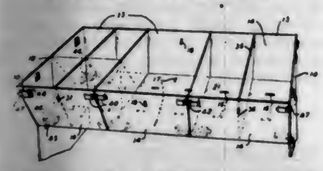


A windshield wiper motor comprising, a semi-cylindrical-shaped casing having a shaft extending therethrough, a blade carried by said shaft and having wiping contact with the walls of said casing, a cover for said casing including upper and lower uniting plates, said upper plate having a longitudinal fluid passageway formed therein and a pair of passages at right angles thereto, said lower plate having a port formed therein on each side of said shaft communicating with said passageway through said right angle passages and the interior of said casing, exhaust ports in said upper plate on each side of said shaft communicating with said casing, a valve member slidably disposed in a recess formed in said lower plate adapted to be actuated by said blade for simultaneously controlling the admission and exhaust of fluid through said passageway, passages, and ports, and auxiliary means carried by said upper plate for facilitating movement of said valve member.

2,257,535
METHOD OF WORKING THERMALLY HARDENABLE BERYLLIUM-CONTAINTAINING ALLOYS
Wilhelm Rohn, Werner Hessenbruch, and Willy Hellwig, Hanau, Germany, assignors to Heraeus-Vacuumschmelze A. G., Hanau-on-the-Main, Germany, a company of Germany
No Drawing. Application August 22, 1939, Serial No. 291,360. In Germany May 17, 1938
3 Claims. (Cl. 29—148)

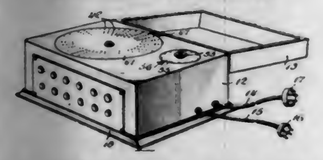
1. The method of improving the endurance limit and fatigue strength of thermally hardenable beryllium-containing alloys consisting of one of the base metals Cu, Fe, Ni and Co, and from small but effective amounts up to 3.5% Be, which comprises subjecting the alloy during the final cold working step to final size and before reaching said final size to a surface smoothing operation to eliminate therefrom substantially all surface irregularities, indentations and inequalities and thereafter cold reducing the surface smoothed material for at least a 10% reduction in area to desired final size.

2,257,536
TRAY
Walter R. Roycroft, Ozone Park, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application February 5, 1938, Serial No. 188,831
6 Claims. (Cl. 211—126)



3. In a tray, substantially U-shaped tray sections having apertures therein and recesses in edges thereof, like partitions having projections receivable in the apertures and the recesses to separate the tray sections one from another and divide the tray sections into compartments, an edge of one tray section closing the recesses of another to hold the projections therein, and means to secure the tray sections together.

2,257,537
AUTOMATIC TUNING MECHANISM FOR RADIO RECEIVERS
Maurice Samburg, New York, N. Y.
Application October 4, 1939, Serial No. 297,824
3 Claims. (Cl. 250—20)



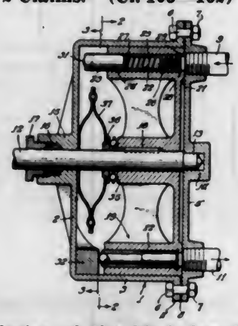
1. In a control system of the class which includes a receiver and a selecting unit having selecting elements constructed and arranged to establish a receiving relation between said receiver and each of a plurality of stations selectively; mechanism constructed and arranged to determine the time of operation of said selecting unit by operating said elements to establish said relation with individual, preselected stations throughout a predetermined period of time at any subdivision of such period, or to a plurality of stations in any predetermined order at periodic intervals, said mechanism comprising a clock, a dial operatively connected thereto, a cam rotatable with said clock, a disc having a plurality of perforations disposed radially of the disc and corresponding to preselected stations with which said receiver is to be made effective selectively, such series of radially disposed perforations being arranged concentrically of the disc for a predetermined range of time, a plurality of pins detachably insertable into said apertures in successive series of the concentric apertures, a lever arm secured to the shaft of said disc to rotate said disc at periodic predetermined intervals, and a plurality of pivoted levers corresponding in number to the radially disposed apertures in said disc, said pivoted levers being adapted to be abutted by said pins, and coacting lever members carrying contact points adapted, upon pivoting of said levers, to contact conductors leading to said selecting unit, said pivoted last named lever members each having a pin near the free end thereof adapted to cause the operation of a switch to turn the receiver on and off.

2,257,538
EXPANDED FASTENING DEVICE
Ernest Schlueter, Jamaica, N. Y.
Application April 26, 1938, Serial No. 204,275
10 Claims. (Cl. 85—50)



3. In combination, a base plate having a bore with a surrounding inward depression, a second plate having a relatively large opening with a surrounding depression filling into the first depression, a headed screw having its stem turnable in the bore, resilient contractile means engaged around the shank between the base plate at its bore and the inner face of the screw head, said means filling said opening, and a preformed opposite outer face on said head, said latter face having substantial flush alignment with the outer face of said second plate around its depression.

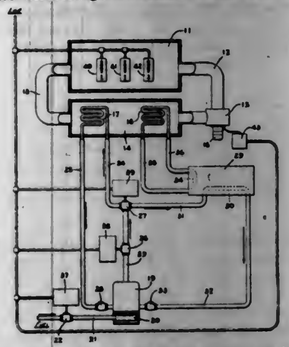
2,257,539
PUMP
John H. Sharp, Chicago, Ill.
Application October 12, 1938, Serial No. 234,587
2 Claims. (Cl. 103—162)



2. In a device of the kind described and in combination, a housing, a rotor journaled in said housing, a plurality of uniformly spaced pairs of bores located in said rotor, the bores of each pair being positioned 180° apart, a plunger arranged in each bore to provide a plurality of independent pumps, said housing having an inlet port and an outlet port therein of approximately the same size as said bores and positioned 180° apart, said bores each registerable with said ports during rotation of the rotor, a ramp for moving said plungers towards said outlet port as their respective bores approach registry with said port, said ramp operative to maintain said plungers in substantially fixed position while passing from said outlet to said inlet ports and of a length to simultaneously actuate plungers at each port and resilient means for urging said plungers away from said ports.

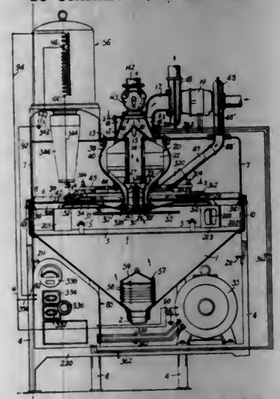
2,257,540
AIR CONDITIONING SYSTEM
Donald G. Smellie, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application June 25, 1936, Serial No. 87,164
20 Claims. (Cl. 257—3)

2. Apparatus for conditioning the air in a room comprising means for generating steam, a heat operated refrigerating system for cooling the air in said room, means for selectively conducting steam from said steam generating means into heat exchange relation with air to be con-



ditioned or to said refrigerating system in response to changes in the condition of the air in said room, and means operative to vary the quantity of steam supplied in response to relatively small changes in room temperature.

2,257,541
APPARATUS AND METHOD OF TREATING BULK MATERIAL
Franklin S. Smith, New Haven, Conn.
Application June 26, 1937, Serial No. 150,522
19 Claims. (Cl. 21—54)

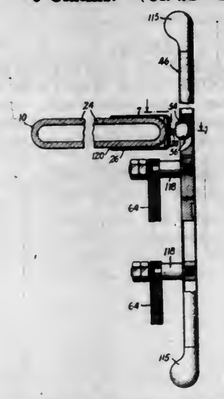


7. In electrical treating apparatus, the combination of, a plate of dielectric material, a first electrode structure positioned upon one side of said plate, and a second electrode structure positioned upon the other side of said plate and spaced therefrom to form a material directing and confining passageway comprising an annular treatment zone one wall of which is formed by the surface of said second electrode structure and the other wall of which is formed by the surface of said plate.

11. In electrical treating apparatus of the type wherein a dry material being treated is subjected to electrical discharges, the combination of: a settling chamber to receive the treated material and having a bottom wall the shape of an inverted cone with a material discharge opening at its lowest point; a louver means mounted at the bottom of said settling chamber and surrounding said material discharge opening comprising, a plurality of annular louvers mounted one above the other in spaced relationship to provide annular passageways therebetween through which the treated material may move radially into the center of said louver means and to said material discharge opening.

19. In the art of treating dry bulk materials where the materials are subjected to discharges resulting from producing a high potential gradient, the steps of, producing a high potential gradient within a treatment zone to thereby cause corona-like discharges, passing the material being treated together with an excess of gas through the treatment zone and into a settling chamber, removing excess gas from the top of the settling chamber substantially free of the material being treated, and removing the treated material from the bottom of the settling chamber.

2,257,542
APPARATUS FOR TREATING MATERIALS
Franklin S. Smith, New Haven, Conn.
Application November 4, 1938, Serial No. 238,867
6 Claims. (Cl. 21—102)



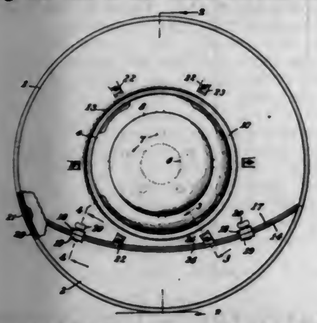
5. In electrical treating apparatus, a condenser construction formed by a pair of condenser-plate structures positioned in cooperating relationship, one of said condenser-plate structures comprising a plurality of elongated elements which are substantially flat with enlarged end portions, each of said elongated elements having one of its extended surfaces as its active condenser surface and said elongated elements being positioned with all of the active condenser surfaces substantially in a single plane.

6. In electrical apparatus of the class described, the combination of: a sealed tube of dielectric material containing material capable of acting as an electrical conducting medium and capable of forming one plate of a connecting condenser element; a metallic shell structure intimately contacting the surface of the tube and forming the other plate of the connecting condenser element; and a rigid support means mechanically connected to said shell structure.

2,257,543
VEHICLE WHEEL ATTACHMENT
Simeon T. Toby, Elizabeth, N. J.
Application March 13, 1940, Serial No. 323,659
3 Claims. (Cl. 301—39)

1. An auxiliary tire and jack for application to the pneumatically-tired wheel of a motor vehicle comprising two separable sections which

together form an annulus substantially co-extensive with one side of the pneumatic tire, one of said sections having an annular flange for engaging the rim of the wheel around its entire



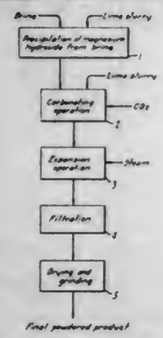
periphery and having an arcuate edge extending in opposite directions from a point near said annular flange to points at the outer part of the annulus.

2,257,544

CALCIUM MAGNESIUM CARBONATE PRODUCT AND PROCESS OF MANUFACTURE

Robert E. Clarke, Palo Alto, Calif., assignor to Marine Magnesium Products Corporation, South San Francisco, Calif., a corporation of Delaware

Application December 27, 1937, Serial No. 181,729
6 Claims. (Cl. 23—66)



1. In a process for the manufacture of a calcium-magnesium carbonate product, mixing a slurry of amorphous magnesium hydroxide with a lime slurry, carbonating the mixture at atmospheric pressure, and then expanding the mixture by application of heat to form a carbonate.

2,257,545

DETERGENT COMPOSITION

Francis J. Curtis, St. Louis, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application December 24, 1937, Serial No. 181,599
4 Claims. (Cl. 252—129)

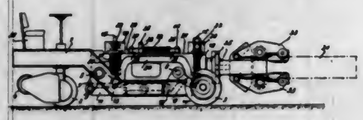
1. A finely divided substantially dry detergent composition comprising a water-soluble alkaline reacting normally dry detergent and a solid diluent comprising an inorganic "aerogel," said "aerogel" exerting an anti-caking action and an emulsifying and dissolving action when said composition is added to water.

2,257,546

SELF-PROPELLED MACHINE FOR HANDLING FORGINGS

Herbert Dienenthal and Theo Zimmermann, Siegen, Westphalia, Germany

Application November 16, 1938, Serial No. 240,764
In Germany November 18, 1937
6 Claims. (Cl. 78—96)



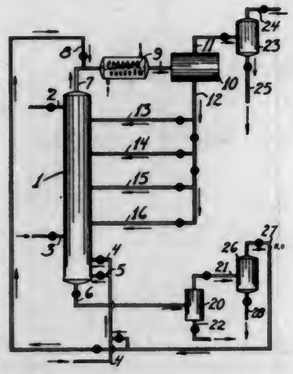
1. A self-propelled machine for holding and moving heavy work to be forged, comprising a wheeled frame, means for propelling the frame, a tongs for holding the work, a pair of bell-crank levers pivotally mounted at either side of said frame, a bar pivoted to one arm of each lever of each pair of said levers, upright rods pivoted to the other arms of said levers, helical springs disposed around said rods, a tongs-carrying member supported by said helical springs, and a single lifting cylinder by which said bell-crank levers can be turned about their pivots.

2,257,547

SOLVENT TREATING MINERAL OILS

Gordon W. Duncan, Scotch Plains, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application March 17, 1939, Serial No. 262,539
4 Claims. (Cl. 196—13)



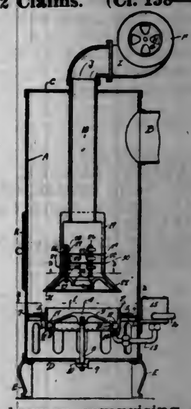
1. Solvent treating process comprising contacting a petroleum lubricating oil in a countercurrent treating system with phenol at a temperature in the range from about 90° F. to 250° F. under conditions to form a solvent extract phase and a raffinate phase, separating the solvent extract phase and recovering the extract oil therefrom, separating the raffinate phase and adding thereto from about 5% to 20% of water at a temperature at which the raffinate oil separates from a phenol water phase, separating the raffinate oil, and completely removing the phenol therefrom, separating the phenol-water phase and returning said phase to the countercurrent treating system at a plurality of stages between the point of introduction of the oil feed and the point at which the raffinate phase is withdrawn.

2,257,548

OIL BURNER

Russell J. Fischer, East St. Louis, Ill.

Application June 29, 1938, Serial No. 216,438
2 Claims. (Cl. 158—91)



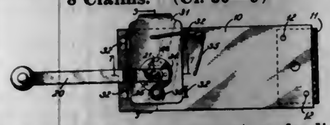
1. An oil burner comprising an oil receiving bowl, means for supplying oil to said bowl, an air distributing member located above said bowl and having a blower fan associated therewith, the lower section of said member being bell-shaped and having a perforated closure in the lower end thereof for directing a stream of air into said bowl, said closure being spaced apart and adjustable from said bell to provide an outlet for air to be discharged at an angle to said bowl and beyond the outer edge of said bowl, means in said member for directing a stream of air horizontally from said member, means for adjusting the sizes of the air discharge openings in said member, a housing surrounding said bowl and said air distributing member, said bowl being located adjacent the bottom of said housing and sealed therein to prevent the outlet of any air from the bottom portion of said housing, said housing providing a combustion chamber above said bowl, and an outlet from said housing near its upper end for the egress of the products of combustion from said combustion chamber.

2,257,549

CAN OPENER

Gustave Harry Froelich, Torrington, Conn., assignor to The Turner & Seymour Manufacturing Company, Torrington, Conn., a corporation of Connecticut

Application June 3, 1938, Serial No. 211,482
8 Claims. (Cl. 30—9)



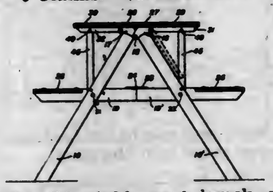
1. In a can opener, a support, a feeding disk journalled in said support, a movable knife carrier mounted on said support, a knife carried by said carrier, an operating handle secured for rotation with respect to said feeding disk, means on said handle for operating said knife carrier for causing said knife to pierce the top of a can and for pressing the flange of the can against the periphery of said feeding disk during the initial forward movement of said handle, and means for operatively connecting said handle to said feeding disk after the piercing of the can top has been effected for rotating said feeding disk upon continued forward movement of said handle.

2,257,550

COLLAPSIBLE TABLE AND BENCH

Carol W. Gay, Billings, Mont., assignor of one-half to Elliott F. Gay, Almota, Wash.

Application October 9, 1939, Serial No. 298,551
6 Claims. (Cl. 155—124)



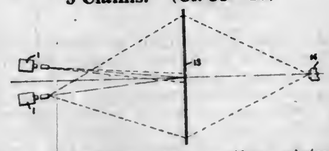
1. A collapsible table and bench comprising two pairs of table legs, each pair pivoted together at their upper ends, two pairs of seat bars, each pair pivoted together and to a pair of legs, seat leaves each secured to one seat bar of each pair, a pair of fixed table leaf sections secured to the legs, a pair of wing leaf sections hingedly supported upon the legs, and brace legs between the table legs and the wing leaf sections.

2,257,551

METHOD AND MEANS OF PRODUCING MOTION PICTURES

Herbert Griffin, Jersey City, N. J., and Julius Pearlman, New York, N. Y., assignors to International Projector Corporation, New York, N. Y., a corporation of Delaware

Application February 26, 1938, Serial No. 192,698
5 Claims. (Cl. 88—16)



1. In combination, two motion picture projectors, a rotatable prism mounted on a part of one of said projectors and positioned in its light beam, a screen on which both of the sets of pictures from said projectors appear in the same frame, and means to rotate said prism so that pictures projected by the beam of light passing through said prism will appear to rock relative to the set of pictures projected by the other projector.

2,257,552

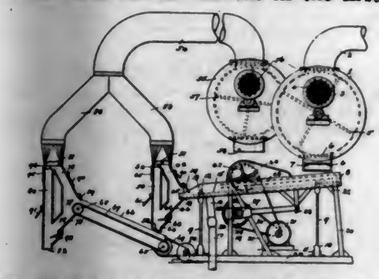
APPARATUS AND METHOD FOR CLEANING AND SEPARATING LEAF TOBACCO

George W. Hammack, Richmond, Va.

Application March 29, 1939, Serial No. 264,690
10 Claims. (Cl. 209—139)

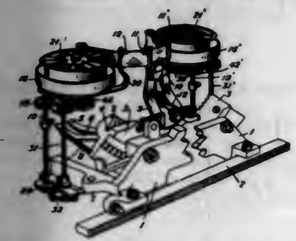
8. A pneumatic separator comprising a first and a second duct vertically disposed, the lower end of the first duct being inclined and connected into the side of the second duct, the said second duct being open throughout its length; exhaust means connected with the upper ends of the ducts and adapted to draw currents of air upward through the ducts; an open inlet for material and air formed in the wall of the first duct intermediate its ends, the said inlet having an area less than the cross-sectional area of the said first duct above it, so that the air current in the first duct

below the inlet shall be upward and of less velocity than the air current in the first duct



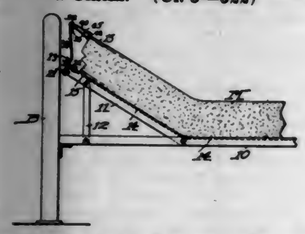
above the inlet; and means for feeding the material to be separated into the inlet.

2,257,553
RIBBON REVERSE MECHANISM
John Anthony Hept, Rochester, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application February 6, 1941, Serial No. 377,642
4 Claims. (Cl. 197—165)



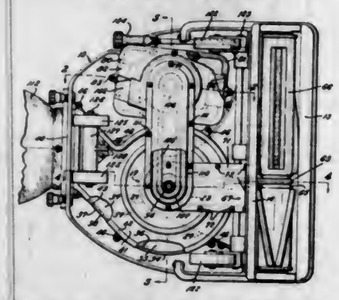
1. In a typing mechanism, a ribbon, a pair of spools, means to gradually unwind said ribbon from one of said spools and wind it upon the second spool, reversing mechanism to reverse the winding operation so as to rewind the ribbon upon the first spool, said reversing mechanism including a shaft for controlling the reversing operation, an arm associated with said shaft and engaging said ribbon, a member on said ribbon for moving said arm through a small arc to institute the reversal operation, and a yieldable connection between said arm and said shaft to permit an accidental movement of said arm greater than said small arc without causing damage to or maladjustment of said mechanism.

2,257,554
MATTRESS CLAMPING DEVICE
Ethel I. Hitchcock, West Boylston, Mass.
Application May 25, 1940, Serial No. 337,224
1 Claim. (Cl. 5—322)



In a device for holding a mattress in place on a hospital bed spring having a tiltable frame portion, a bracket having means at its lower end for securing it to the end bar of the spring frame, said bracket having a body portion adapted to extend approximately to the top of a mattress on said spring, the upper part of said body portion being inclined away from the mattress, and clamping means pivoted to the upper end of the bracket, said clamping means including jaws for gripping the upper bead of the mattress.

2,257,555
SUCTION CLEANER
Charles G. Troxler, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application October 20, 1937, Serial No. 169,945
11 Claims. (Cl. 15—6)



1. A suction cleaner, comprising a cleaner body having an elongated nozzle in its forward end, said body having a flat top wall extending substantially horizontally from said nozzle to the rear end of said body, a substantially horizontal fan chamber, a fan in said fan chamber, a suction passage extending upwardly and then horizontally rearwardly from said nozzle to said fan chamber, the top wall of said suction passage being defined by said top wall of said cleaner body and the bottom wall of said suction passage by the top wall of said fan chamber, and a substantially vertically mounted motor for driving said fan, said fan chamber and motor lying side by side and substantially parallel to said nozzle.

2,257,556
FENDER
Austin A. Webb, Kenosha, Wis., assignor to Nash-Kelvinator Corporation, Kenosha, Wis., a corporation of Maryland
Application December 12, 1940, Serial No. 369,730
3 Claims. (Cl. 280—153)



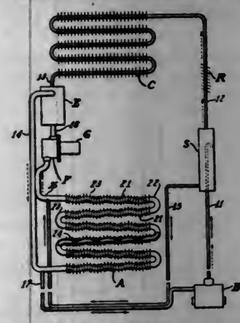
1. In combination with an automobile body, a fender having a crowned portion with a flange along the inner edge thereof, a skirt portion extending downwardly from said crowned portion, a horizontal panel turned over from the bottom edge of said fender at the front and back thereof, raised portions formed in said horizontal panels along the inside edges thereof, said raised portions connecting with the ends of said flange, flanges extending from said body and underlying said raised portions, and bolts extending between said last mentioned flanges and said raised portions, said flange having a hooked connection with said body.

2,257,557
STEERING KNUCKLE SUPPORT ARM
Austin A. Webb, Kenosha, Wis., assignor to Nash-Kelvinator Corporation, Kenosha, Wis., a corporation of Maryland
Application January 27, 1941, Serial No. 376,133
10 Claims. (Cl. 280—96.1)



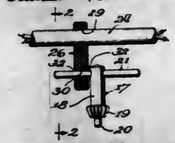
1. In an automotive wheel suspension, a steering knuckle support arm comprising a hollow tubular strut having its ends stamped flat and pierced, and a tubular sleeve secured to the midsection of said tubular strut, the axis of said sleeve being offset from the axis of said strut.

2,257,558
REFRIGERATION
William S. Whittle, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application September 7, 1937, Serial No. 162,689
4 Claims. (Cl. 62—119.5)



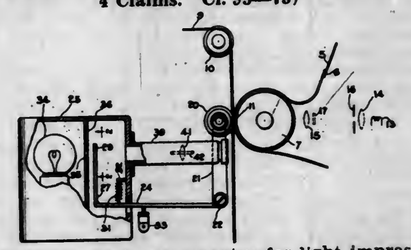
1. In refrigerating apparatus, a pressure equalizing medium circuit, including evaporator and absorber sections, means for propelling a pressure equalizing medium through said circuit, means for supplying liquid refrigerant to said evaporator section, means for supplying absorption liquid to said absorber section, one of said sections comprising an elongated element having a passageway of substantially uniform cross-sectional area slightly inclined to the horizontal, said passageway including alternate elevated and depressed portions whereby to form liquid pools with the points of maximum pool depth adjacent the centers of the pools whereby the liquid in each pool may drain from a shallow portion thereof into a subjacent pool over an intervening elevated portion of said passageway and the points of maximum pool depth correspond with the points of maximum pressure equalizing medium velocity, the amplitude of elevation and depression of said elevated and depressed portions, respectively, of said passageway being such that a continuous gas flow is maintained through said passageway above the liquid pools.

2,257,559
CHUCK KEY HOLDER
Frank Osbern Albertson, Sioux City, Iowa, assignor to Albertson & Company, Inc., Sioux City, Iowa, a corporation of Iowa
Application February 27, 1939, Serial No. 258,756
1 Claim. (Cl. 248—1)



A safety chuck key holder comprising a resilient rubber member having an aperture provided with a tapered formation at its end for receiving and frictionally engaging a rubber covered cable, said holder having a central body and having at its opposite end to the cable aperture, an aperture adapted to receive and frictionally engage the handle rod of a chuck key, said holder being mounted on a rubber covered cable in such manner that the key may be used for tightening a chuck while supported by said cable but upon release of the key by the hand and application of the tool to the work, the key is automatically removed from the chuck by the cable.

2,257,560
SOUND FILM BLOOPING APPARATUS
Cecil N. Batsel, Los Angeles, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application January 28, 1938, Serial No. 187,443
4 Claims. Cl. 95—75)

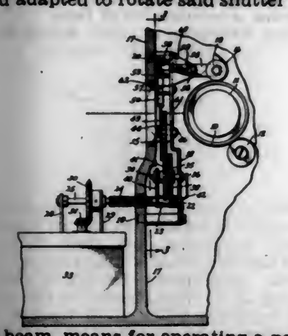


1. Motion picture apparatus for light impressing a motion picture film at predetermined points thereon for a predetermined interval of time, the points of light impression being determined by the passage of film splices past a point on said apparatus, comprising a source of light rays, means for defining said light rays into a light beam of certain dimensions, means for shuttering said light beam from said film, means connected to said shuttering means and actuated by said splices for controlling the points of impression of said light rays on said film, and means connected to said last-mentioned means for controlling the period of impression of said film by said light rays.

2,257,561
BLOOPING DEVICE FOR SOUND REPRODUCERS
William A. Black, Montclair, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 26, 1938, Serial No. 221,312
20 Claims. (Cl. 179—100.3)

1. In a sound reproducing device the combination of a light source, means for projecting light from said source upon a film, a shutter normally

without said light beam and adapted to be passed therethrough, a prime mover, a plurality of gears interconnecting said shutter with said prime mover and adapted to rotate said shutter through



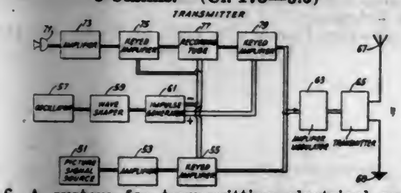
said light beam, means for operating a portion of said gears continuously without rotating said shutter, and means for tripping the remainder of said gears for rotating said shutter.

2,257,562

INTELLIGENCE TRANSMISSION SYSTEM

Harry Branson, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware

Application March 8, 1937, Serial No. 129,568
8 Claims. (Cl. 178—5.6)



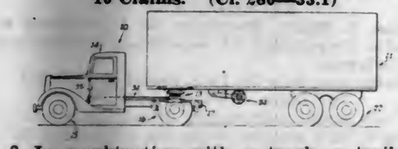
6. A system for transmitting electrical sound intelligence signals during a limited portion of the entire transmission period available which comprises an electron tube, means for successively storing electrically within the electron tube a series of electrostatic charges of values proportional to the electrical sound intelligence signals occurring within a major portion of the unit time period, means contained within the electron tube for utilizing the produced electrostatic charges to control secondary electronic emission within the tube during a minor time portion of the unit time period, and means for producing in accordance with the secondary electronic emission effects produced a transmitted signal modulated in accordance with the varying degrees of secondary electronic emission produced within the tube.

2,257,563

NONTILTING FIFTH WHEEL

John Johnston, Jersey City, N. J.

Application September 24, 1940, Serial No. 358,143
10 Claims. (Cl. 280—33.1)



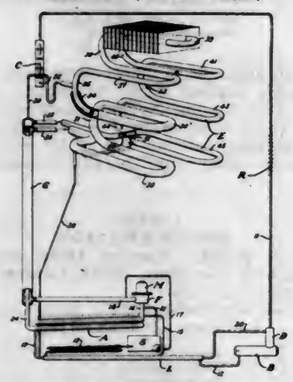
8. In combination with a truck, a trailer, a member fixed to the truck, a second member pivoted to the first member about a horizontal axis and supporting the trailer, means on the first member normally out of engagement with respect to the second member, and means to move said first means into engagement with the second member, automatically upon moving the trailer to an angle relative to the truck, to prevent tilting of the trailer about its longitudinal axis.

2,257,564

REFRIGERATION

William H. Kitto, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio

Application September 16, 1939, Serial No. 295,223
14 Claims. (Cl. 62—119.5)



1. Absorption refrigerating apparatus comprising an inert gas circuit including an evaporator and an absorber, a solution circuit including a boiler and said absorber, means for propelling inert gas through said inert gas circuit, means for liquefying refrigerant vapor generated in said boiler, said evaporator comprising two freezing sections serially connected by a finned air cooling section, one of said sections comprising a lower portion of large cross-sectional area connected to receive inert gas at its bottom and an upper portion of small cross-sectional area such that inert gas flowing therethrough will propel refrigerant upwardly, the other of said sections being connected to discharge inert gas from its bottom portion, and means for supplying liquid refrigerant to an intermediate portion of said one section whereby a portion of the liquid flows downwardly through said portion of large cross-sectional area and the balance of the liquid is circulated through the remainder of the evaporator by the inert gas.

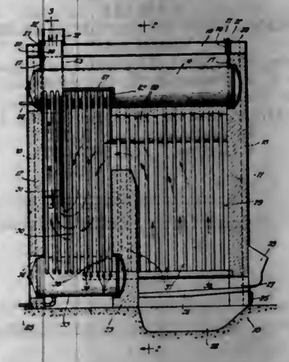
2,257,565

STEAM PRODUCER

Charles Lasker, Chicago, Ill.

Application March 24, 1939, Serial No. 263,917
4 Claims. (Cl. 122—347)

1. In a steam boiler, a setting having side walls, a full length upper water and steam drum, a bridge wall extending transversely of said setting and dividing the interior thereof into a forward combustion chamber and a rear primary heating compartment, a relatively short lower water drum positioned in said heating compartment and longitudinally aligned with said upper drum, the rear ends of said drums being in substantially vertical alignment, headers extending forwardly and rearwardly along and between said side walls and overlapping the forward end of said lower drum, tubes connecting said lower water drum and said overlapping ends of the headers, tubes arranged in longitudinal rows and extending downwardly from said upper drum, the outermost rows of tubes extending downwardly adjacent said side walls, certain of said outermost tubes being connected to said headers and constituting water circulating tubes to assist in providing a constant supply of circulating water for water cooling said side walls and thereby inducing a water circulation in and to the upper drum, the other of said tubes being con-



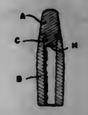
nected with said lower drum and constituting steam generating tubes, the upper ends of said water circulating tubes being curved inwardly and connected with the lowermost portion of said upper drum, a wall providing a curved ceiling immediately above and closely fitting said curved ends of the water circulating tubes, said steam generating tubes being connected with said upper drum at points above said curved ceiling, a wall providing a ceiling for the front of said heating chamber, a vertical wall connecting said ceilings, and a baffle plate extending downwardly from the rear edge of the ceiling of said heating chamber.

2,257,566

WELDING ELECTRODE AND METHOD OF FORMING THE SAME

George E. Lewis, Detroit, Mich., assignor of one-half to Bert L. Quarnstrom, Detroit, Mich.

Application May 29, 1939, Serial No. 276,431
8 Claims. (Cl. 219—4)



1. The method of forming welding electrodes comprising the forming of a solid tip with an end portion reduced in diameter and undercut, and contracting a tubular portion of a shank about said end portion thereby applying pressure normal to the contacting surfaces to form an interlocking highly electrically conductive and sealing mechanical joint.

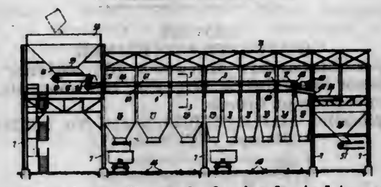
3. A welding electrode comprising a solid tip having an undercut end portion reduced in diameter and a shank having a tubular portion contracted about said undercut end portion to form an interlocking and highly electrically conductive mechanical joint therewith.

2,257,567

GARBAGE DISPOSAL PLANT SORTING APPARATUS

Mateo Matanovich-Manov, Berkeley, and Arthur S. Holmes, Oakland, Calif., assignors to Oakland Scavenger Co., Oakland, Calif., a corporation of California

Application September 17, 1938, Serial No. 230,360
1 Claim. (Cl. 209—2)



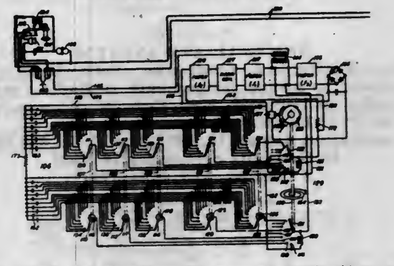
In a garbage disposal plant adapted to receive garbage containing non-combustible and marketable materials, a sorting apparatus for removing said materials to facilitate disposal of the remainder of the garbage by incineration and comprising, an elongated platform, a conveyor extending longitudinally of said platform and having a width less than that of said platform to define between the side edge of said conveyor and a longitudinal side edge of said platform a walkway, said platform being provided with a plurality of openings in said walkway adjacent said conveyor to receive said materials deposited therein from said conveyor, a garbage receiving bin adjacent one end of said platform, a second conveyor for conveying garbage from said storage bin to said first conveyor, a plurality of storage bins mounted under said platform in registration with said openings, a shaker screen mounted at the delivery end of said conveyor and adapted to receive garbage therefrom, a bin mounted under and in registration with said shaker screen, another bin mounted adjacent said shaker screen for receipt of garbage rejected by said screen, and a third conveyor for conveying the garbage from said last named bin to a disposal incinerator or the like.

2,257,568

COMMUNICATION SYSTEM

Robert C. Mathes, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

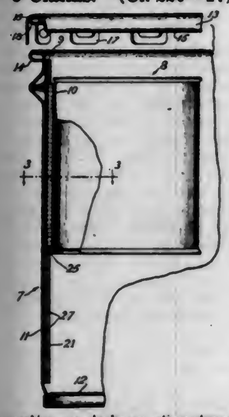
Application June 14, 1939, Serial No. 279,015
12 Claims. (Cl. 179—16)



1. The combination in a communication system of a central office, a subscriber's line having a substation thereon and terminating in said central office, a source for producing alternating currents at the central office and for transmitting them over said line to said substation, designation means operable by the subscriber at said substation for producing predetermined variable shifts in the phase of the cur-

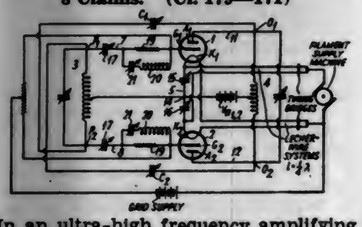
rent flowing in the line to represent the characters of a wanted designation, means at the central office for identifying the characters of said designation by determining the amount of phase variation produced at said substation, automatic mechanisms, and means for operating said automatic mechanisms in accordance with the identified characters of said designation.

2,257,569
COMPOSITE CONTAINER
Vern I. McCarthy, Maywood, Ill., assignor to Vulcan Stamping & Mfg. Co., Bellwood, Ill., a corporation of Illinois
Application March 22, 1939, Serial No. 263,316
5 Claims. (Cl. 220—17)



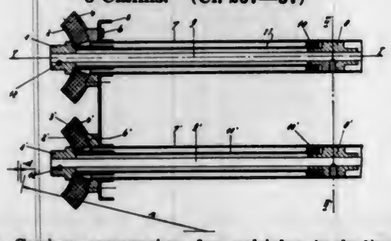
1. A composite container structure comprising, in combination, a sheet metal drum constituting an outer receptacle, a substantially smaller independently closable can constituting an inner receptacle for insertion in said drum, means for removably supporting the inner receptacle on the body of said drum including an elongated element extending substantially from the bottom to the top of the drum and rigidly secured to the side wall thereof, and a second elongated element secured to the outer wall of the inner receptacle, said second element being shaped to interlock with the first element and thus hold the two receptacles together as a unitary structure.

2,257,570
NEUTRALIZED SYSTEM
Klaas Posthumus, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application August 10, 1938, Serial No. 224,063
In Germany September 10, 1937
8 Claims. (Cl. 179—171)



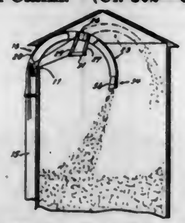
1. In an ultra-high frequency amplifying system, an electron discharge tube having an input electrode, a cathode and an output electrode, a high frequency input circuit, a high frequency output circuit, means series tuned to the frequency of said input circuit connecting said input circuit to said input electrode, a damping resistance in series with said means, means connecting said output circuit to said output electrode, neutralizing means coupling said input and output electrodes, and a circuit series tuned to the frequency of operation of said high frequency input circuit connecting said cathode to said high frequency circuits.

2,257,571
SPRING SUSPENSION MEANS FOR VEHICLES
Karl Rabe, Stuttgart, Germany, assignor to Dr. ing. h. c. F. Porsche, K.-G., Stuttgart-Zuffenhausen, Germany, a company of Germany
Application June 22, 1938, Serial No. 215,117
In Germany July 9, 1937
8 Claims. (Cl. 267—57)



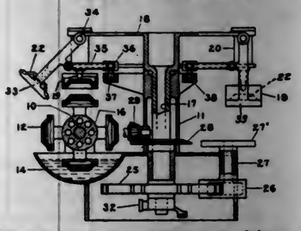
1. Spring suspension for vehicles including a frame, road wheels carrying means comprising an arm connected to a road wheel and formed with a journal extension, rubber-like interconnecting means of annular form generally concentric with said journal extension, between said journal extension and the frame near said arm, the interconnection between the journal extension and frame taking place through the side faces of the annulus, a second rubber-like interconnecting means between said journal extension and said frame located at a distance from said arm, and rotary spring means connected at one end to said arm and at its other end to said frame.

2,257,572
ENSILAGE SPREADER
Louis Radue, Casco, Wis.
Application May 4, 1940, Serial No. 333,293
1 Claim. (Cl. 302—60)



A stacker comprising a blower pipe, a movable spout pivotally mounted on the end of said pipe, a rigid arm on said pipe and a rigid arm on said spout, a simple lever fulcrumed on said first-named arm, a link pivoted at one end to said second-named arm and at the other end to one end of said lever, cables connected to the ends of said lever, a rocker arm, the other ends of said cables being connected to said rocker arm at opposite points thereon with respect to the fulcrum of said rocker arm, motor means having a motor shaft, a blower actuated by said motor shaft and having its outlet entering into said pipe, a gear, a worm in mesh with said gear, means partly on said motor shaft and partly on said worm for rotating said worm by said motor shaft, a crank on said gear, a connecting rod pivoted at one end to said crank and at the other end to said rocker arm.

2,257,573
MACHINE FOR MANUFACTURING MOLDED PULP ARTICLES
Walter H. Randall, Waterville, Maine, assignor, by mesne assignments, to The Canal National Bank of Portland, Portland, Maine, trustee
Application January 3, 1938, Serial No. 183,047
8 Claims. (Cl. 92—56)



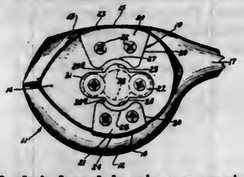
1. A fibrous pulp molding machine, comprising an intermittently rotatable shaft, a spaced series of holding dies adapted to receive wet-formed molded pulp articles and a series of coacting complemental drying dies, both of said series of dies being mounted on and revolving with said shaft, said drying dies corresponding in number and angular spacing to said holding dies, means for rotating said shaft step by step, means for placing wet formed articles on said holding dies, means for coacting each holding die, with a wet article thereon, with its complemental drying die during a substantial portion of the rotating cycle of said shaft to dry the article between said pair of dies under heat and mechanical pressure, means for discharging the dried articles from said holding dies at the completion of the drying cycle, and means for displacing each drying die from the path of coactive movement of its complemental holding die during those portions of the rotating cycle of said shaft at which a wet formed article is being placed on each holding die and at which each holding die is discharging a dried article.

2,257,574
VACUUM CLEANER
James L. Ray, Elm Grove, Wis.
Application December 30, 1939, Serial No. 311,859
4 Claims. (Cl. 15—16)



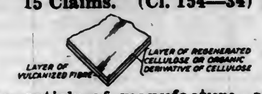
1. A vacuum cleaner comprising, a rotary fan for creating a constant flow of air and having a direct driven co-axial pulley at its inlet end, a nozzle for delivering dust laden air to said fan and being divided into segregated inlet sections, an annular hollow valve interposed between said nozzle and fan and being rotatable about an axis approximately parallel to the fan axis to produce alternating pulsating flows of air into the several inlet nozzle sections, and an annular driving member carried by said valve near the periphery thereof and frictionally engaging said fan pulley to provide a direct frictional driving connection between said fan and valve.

2,257,575
GOLF CLUB
William F. Reach, Springfield, Mass., assignor to A. G. Spalding & Bros. Inc., New York, N. Y., a corporation of Delaware
Application July 31, 1939, Serial No. 287,655
7 Claims. (Cl. 273—77)



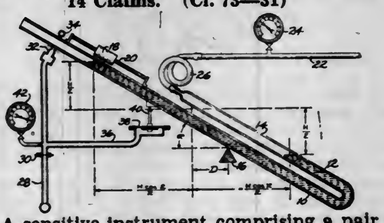
1. A golf club head having a main body with a bottom face and a chamber for a weighting means extending upwardly from and communicating with said bottom face; a sole plate, said sole plate including a plurality of laterally spaced separate sections separately secured to said main body, two of said sections having portions respectively adjacent front and rear edges of the bottom face and one of said sections underlying and forming a closure for said chamber.

2,257,576
ART OF MAKING VULCANIZED FIBER
Jay Robinson, Newark, Del., assignor to National Vulcanized Fibre Company, Wilmington, Del., a corporation of Delaware
Application April 15, 1940, Serial No. 329,700
15 Claims. (Cl. 154—34)



1. As an article of manufacture, a laminated product consisting of one or more layers of vulcanized fiber and one or more layers of a cellulosic material selected from the group consisting of regenerated cellulose, an organic ester of cellulose and a cellulose ether, all the layers being bonded together by a chemically hydrated cellulose derived from the bonded layers.

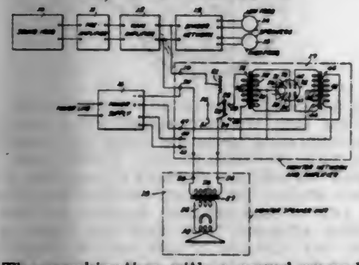
2,257,577
PRESSURE SENSITIVE INSTRUMENT
Albert J. Rosenberger, Chicago, Ill., assignor to Republic Flow Meters Company, Chicago, Ill., a corporation of Illinois
Application June 29, 1939, Serial No. 281,903
14 Claims. (Cl. 73—31)



1. A sensitive instrument comprising a pair of tubes arranged in substantially parallel relationship, means pivotally mounting said tubes at an

angle to the horizontal, means connecting said tubes at their lower ends, the lower ends of the tubes and said connecting means containing a sealing liquid, means for conducting fluid pressure into the upper end of one of said tubes to displace the sealing liquid in the tubes and unbalance the tubes about their pivotal mounting, and means responsive to the unbalance of the tubes to create a force tending to rebalance the tubes.

2,257,578
MONITORING FACILITY
Earl J. Shortt, West Brighton, N. Y., assignor to International Projector Corporation, New York, N. Y., a corporation of Delaware
Application March 16, 1940, Serial No. 324,275
8 Claims. (Cl. 179—1)



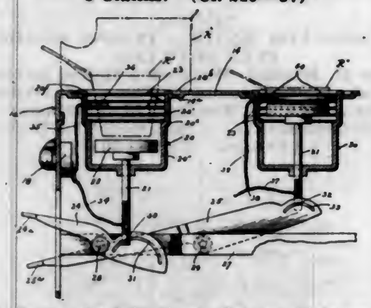
1. The combination with a sound reproducing system of a monitor speaker, a monitor amplifying unit, a rheostat, the output of the sound reproducing system being connected in series with the rheostat to the input of the monitor amplifying unit, the output of the monitor amplifying unit being connected to the monitor speaker and a switch having a plurality of arms, said switch arranged intermediate the output of the sound reproducing system and the input of the monitor amplifying unit and between the output of the monitor amplifying unit and the speaker, one of the arms of said switch being connected in series with the rheostat to the output of the sound reproducing system, another of said arms being connected to the monitor speaker, said arms being adapted upon operation of the switch to connect the output of the sound reproducing system to the speaker and substantially simultaneously to disconnect the monitor amplifying unit from the sound reproducing system and the monitor speaker.

2,257,579
CHAIN
Everett L. Starr, Providence, R. I., assignor to Fulford Mfg. Co., a corporation of Rhode Island
Application February 11, 1941, Serial No. 378,430
4 Claims. (Cl. 59—91)



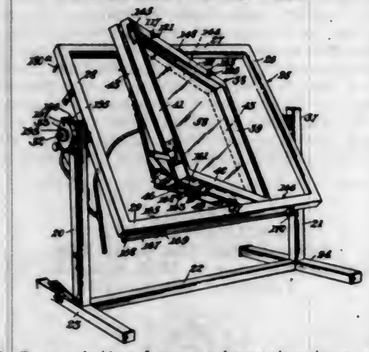
1. In a chain construction, a plurality of links each provided with a hollow sheet metal body having an integral shank projecting from one side with an enlarged hollow head at the opposite end thereof and an opening on the side opposite said shank, the enlarged hollow head of the shank of one link being wholly enclosed within the hollow body of the next link, the length of the shank between the body and the head being such relative to the diameter of the body as to cause the bodies of adjacent links to contact prior to contact of the head of one with the interior surface of the body enclosing it upon flexing of the links of the chain.

2,257,580
ELECTRIC COOKING DEVICE
David Trompeter, Darien, Conn.
Application June 16, 1939, Serial No. 279,415
3 Claims. (Cl. 219—37)



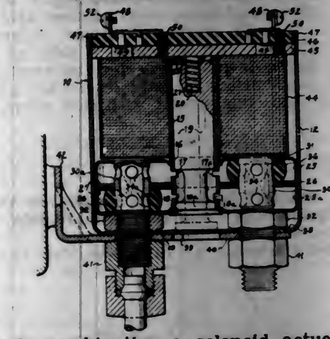
1. In an electric stove, the combination of a structure providing a deep recess or well; a heating unit therein; means for moving said unit in the well to affect operation of said unit in the well to adapt the same to a prevised kind and rate of cooking; a plurality of baffle members in the upper part of the well one spaced above another; a means for modifying the heating action of said unit; and a thermostatic means in heat-exchanging relation with the well for controlling the operation of said modifying means.

2,257,581
PRINTING FRAME
Henry A. Ulsheimer, Scarsdale, N. Y.
Application September 16, 1939, Serial No. 295,161
16 Claims. (Cl. 41—4.5)



11. In a printing frame, a base structure, a mat carried on said structure, a cover member hingedly supported on said base structure, a transparent plate carried by said cover member, a resilient bead carried by said mat and adapted to be contacted by said plate when the cover member is closed, a sub-frame pivotally supporting said frame, a pair of uprights each carrying a pivotal support for said sub-frame, manually releasable locking means partly carried by one of said uprights and partly carried by said sub-frame for locking the latter in a horizontal plane, and means for subjecting the space between said mat and said transparent plate bounded by said resilient bead to a negative pressure, vacuum controlled locking means carried by one of said uprights and including a plunger, an overhanging arm carried by said sub-frame, means forming a hole in said overhanging arm, said hole adapted to be engaged by said plunger when said sub-frame is in the horizontal plane, and means for subjecting said vacuum controlled locking means to said negative pressure whereby its plunger will disengage the hole in said arm and permit the sub-frame to be moved only while said space is subjected to negative pressure.

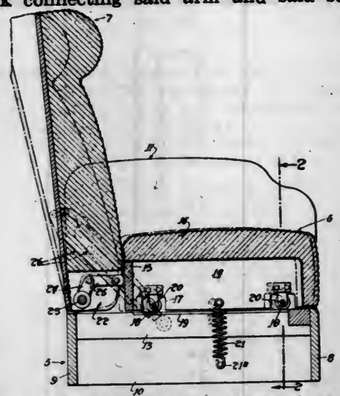
2,257,582
UNITARY SOLENOID AND VALVE ASSEMBLY
Odin Werther, Cleveland, Ohio, assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application February 24, 1940, Serial No. 320,531
7 Claims. (Cl. 137—139)



1. In combination a solenoid actuated valve assembly including a sheet metal cover housing the same, said solenoid comprising an axial core tube with solenoid windings around its outer periphery on the upper section thereof and axially spaced sets of ported openings through the lower section thereof, a stamped valve housing fixed around the lower section of the core tube including a partition therein segregating said ported openings into separate chambers concentrically surrounding said core tube, a solenoid actuated plunger within said core tube including an integral valve body adjacent one end thereof adapted to uncover or cover at will at least one set of said ported openings to the valve chambers upon the solenoid being energized or deenergized, and inlet and outlet tubes to and from said valve chambers having ports therein for passage of an operating medium therebetween according to the setting of said solenoid plunger.

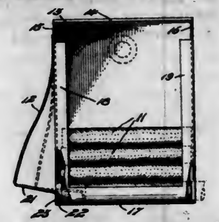
2,257,583
CHAIR
Glenn D. Wood, Elkhart, Ind., assignor to Posture Research Corporation, Elkhart, Ind., a corporation of Indiana
Application November 9, 1939, Serial No. 303,594
3 Claims. (Cl. 155—116)

2. A chair embodying therein a base, a seat mounted on said base for a backward and a forward movement, a back rest, a shaft carried by said back rest near the lower end of the back rest and journalled at its ends in parts stationary with said base and whereby said back rest is capable of a backward and a forward rocking movement, means connecting said base and said back rest for cushioning the backward movement thereof and for causing the forward return movement thereof, an arm carried by said shaft, and a link connecting said arm and said seat for



causing a backward and a forward rectilinear movement of said seat with the backward and forward movement of the back rest.

2,257,584
HOLDER FOR CIGARETTES, ETC.
John W. Wyllie, Franklin, Mass.
Application June 14, 1939, Serial No. 279,160
3 Claims. (Cl. 312—47)

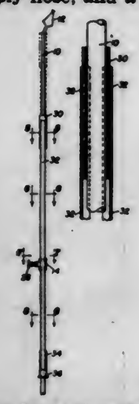


1. A two-part metal container having a recess therein, one end of each part having interengaging curved portions for interengagement, the opposite portions thereof constructed for interlocking engagement, the construction being such that articles, such as cigarettes, may be inserted in the container to be maintained in vertical alignment, in combination with ejecting means projecting beyond the container and opposite the recess therein for engaging the lowermost of the cigarettes or other articles and causing the same to be partially removed from the container so that the same may thereafter be readily removed from the container, the ejecting means being so constructed as to agitate the articles in the container.

2,257,585
TELESCOPIC HANDLE EXTENSION
Grady Auvil, Orondo, Wash., assignor, by direct and mesne assignments, to Floyd E. Dahn and Perc. A. Combelic, both of Wenatchee, Wash., jointly
Application April 17, 1940, Serial No. 330,088
4 Claims. (Cl. 299—111)

1. A telescopic handle extension for spray guns of the type employing a nozzle, a tubular handle having a coupler, and a flexible supply hose joined to said coupler and extending from said tubular handle; said telescopic handle extension

comprising a handle ferrule slidably encircling said tubular handle, a hose ferrule slidably encircling said supply hose, and a pair of side bars



attached at their forward ends to said handle ferrule and at their rear ends to said hose ferrule and frictionally engageable with said coupler by flexing pressure on said side bars.

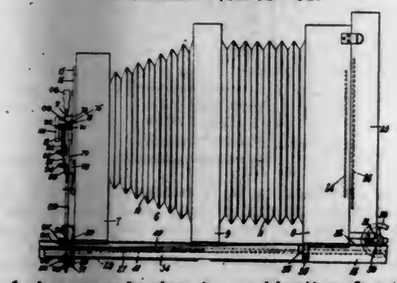
2,257,586

AUTOMATIC APERTURE CONTROL MECHANISM FOR CAMERA DIAPHRAGMS

Harrison W. Bailey, South Braintree, Mass.

Application September 7, 1939, Serial No. 293,670

8 Claims. (Cl. 95—64)



1. A camera having, in combination, front and rear box members and a bellows therebetween, a lens mounted upon said front box member, a diaphragm for said lens having an aperture therein, means to operate said diaphragm to vary the size of said aperture, a cam provided with oppositely disposed cam surfaces carried by said rear box member and projecting forwardly therefrom, means to position said box members to focus said lens, means carried by said front box member and co-operating with said cam to restrict the movement of said diaphragm operating means in opposite directions, and means to govern the action of said restricting means.

2,257,587

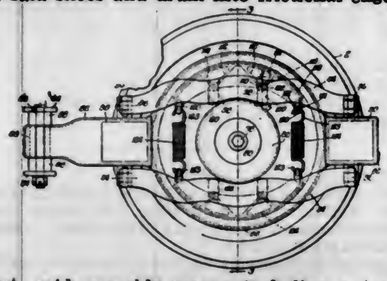
BRAKE ARRANGEMENT

Walter H. Baselt, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

Application October 21, 1939, Serial No. 300,505

24 Claims. (Cl. 188—153)

1. In a vehicle, a frame, a supporting wheel and axle assembly including inner and outer non-rotating axles, a rotating axle therebetween, a wheel fitted on said rotating axle, bearings between said wheel and outer axle, braking means comprising a drum supported from said rotating axle, shoes supported from said inner non-rotating axle, and operable means for bringing said shoes and drum into frictional engage-



ment, said operable means including a torque arm carried on said inner non-rotating axle and connected to said frame, cylinders supported from said torque arm at opposite sides of said drum, cylinder levers connected between said cylinders, and means on said levers for urging said shoes into engagement with said drum.

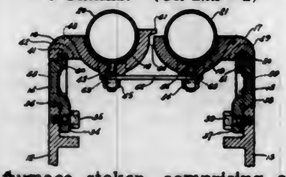
2,257,588

STOKER

Joseph S. Bennett, Merion, Pa., assignor to American Engineering Company, Philadelphia, Pa., a corporation of Pennsylvania

Application December 31, 1937, Serial No. 182,763

9 Claims. (Cl. 122—4)



1. A furnace stoker, comprising alternately disposed retorts and tuyère rows, each of said tuyère rows consisting of a pair of spaced side walls, a tuyère assembly mounted on said side walls, said tuyère assembly consisting of a pair of longitudinally extending tubes, a row of tuyère members secured beneath each of said tubes, lateral extensions on said tuyère members, coacting means on said tuyère members and tubes for holding said tuyère members in position and interlocking means on said lateral extensions and said side walls for supporting, as well as preventing lateral distortion of said tubes and tuyère members.

2,257,589

SCREW THREADED ELEMENT

Clare L. Brackett and Charles E. S. Place, Detroit, Mich.; said Place assignor to said Brackett

Application February 24, 1939, Serial No. 258,312

4 Claims. (Cl. 151—14)



1. As an article of manufacture, a screw threaded fastening element having its thread surface coated with a film of non-adherent rubber thin enough not to interfere with normal threading engagement with a complemental threaded element.

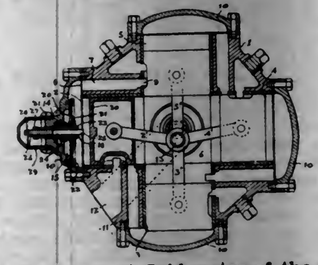
2,257,590

DISPLACEMENT METER FOR MEASURING FLUIDS

William H. D. Brouse, Toronto, Ontario, Canada, assignor, by mesne assignments, to John Wood Manufacturing Company Inc., Conshohocken, Pa.

Application September 15, 1939, Serial No. 295,026

7 Claims. (Cl. 73—247)



1. A displacement fluid meter of the class described having at least one measuring cylinder in which a fluid displacement piston adapted to be connected with an indicating or recording mechanism operates, said cylinder and piston presenting opposing heads, one of said heads being formed with a depression-forming recess, a flexible diaphragm secured to the rim of said recess, resilient spring means housed in said recess and engaging said diaphragm to oppose fluid-pressure displacement thereof, and means for effecting a regulated displacement of the diaphragm into the said head recess in opposition to the resilient spring means therein at the end of each displacement stroke of the piston including a contact member mounted in said cylinder head.

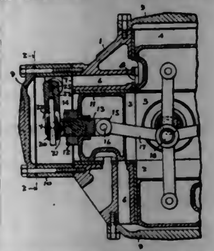
2,257,591

DISPLACEMENT FLUID METER

William H. D. Brouse, Toronto, Ontario, Canada, assignor, by mesne assignments, to John Wood Manufacturing Company Inc., Conshohocken, Pa.

Application September 15, 1939, Serial No. 295,027

12 Claims. (Cl. 73—247)



1. In a displacement fluid meter of the type having at least one measuring cylinder and a fluid displacement piston therein provided with a connecting rod for connection to a recording device or the like, and means forming a variable ratio drive between said connecting rod and piston including a member extending from the connecting rod and slidably receiving the piston, means flexibly connecting said slidable member and piston through axes relatively displaceable in a direction transversely of the piston axis, and means for relatively adjusting said axes.

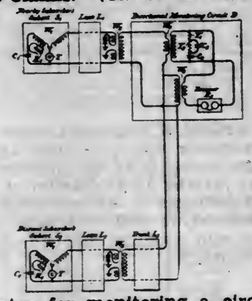
2,257,592

DIRECTIONAL MONITORING SYSTEM

Bentley Leo Buxton, Elmhurst, Ill., assignor to American Telephone and Telegraph Company, a corporation of New York

Application July 9, 1940, Serial No. 344,503

9 Claims. (Cl. 179—175.2)



1. Apparatus for monitoring a circuit interconnecting two telephone substation sets, comprising two transformers each having low and high impedance windings, the low impedance winding of one of the transformers being connected in series with the two telephone substation sets and the high impedance winding of the other transformer being connected in shunt across the interconnecting circuit, a balancing network connected across the high impedance winding of the first-mentioned transformer, the operator's receiver being connected in series with the low impedance winding of the second-mentioned transformer and the balancing network.

2,257,593

COLLAR

Richard C. Campbell, North Plainfield, N. J.

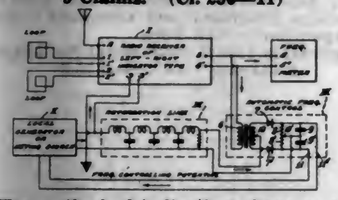
Application June 10, 1939, Serial No. 278,387

2 Claims. (Cl. 2—131)



1. A fold-over collar comprising a cape portion and a neckband portion, the said collar being formed of outer plies and an interlining therebetween, the interlining comprising a cape portion and a neckband portion, the upper edge of the neckband interlining overlapping the lower edge of the cape portion interlining, stitching for sewing said overlapping portions of the interlining together and a flexible web member secured to the overlapping portions of the interlining and formed with a beading along one edge which is positioned at the level with the upper edge of the neckband interlining, said beading being of greater thickness throughout its length than the web portion for spacing the cape portion outwardly of the neck-band portion and for defining the lower marginal edge of the fold of the collar so that the fold line over which the collar folds is positioned within the cape portion of the collar, the cape portion being folded directly over the beading which projects toward the folded-over cape portion and which provides substantially a line-contact with said cape portion.

2,257,594
DIRECT READING RADIO GONIOMETER
Henri Chireix, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil, a corporation of France
Application June 28, 1939, Serial No. 281,707
In France July 6, 1938
9 Claims. (Cl. 250—11)



8. The method of indicating phase as a function of frequency which includes applying currents whose phase is to be indicated to obtain a potential varying as a function of said phase, generating currents of known frequency, varying the frequency of said generated currents as a function of said potential and indicating the resulting frequency.

2,257,595
PAINT FOR SIMULATING WOOD GRAIN
Edwin W. Danielson, Dunellen, N. J.
No Drawing. Application October 19, 1938, Serial No. 235,779
9 Claims. (Cl. 260—28)

8. A paint for simulating wood grain upon brushing, comprising a non-leafing mixture of copper powder in flake form, Gilsonite asphalt, a drying type alkyd resin, and thinning material including mineral spirits.

2,257,596
LEVELER SCRAPER
Ralph M. Davenport, Southgate, Calif.
Application March 16, 1940, Serial No. 324,372
4 Claims. (Cl. 37—169)



1. A leveler scraper comprising a frame, a bowl pivotally mounted upon the frame, wheels for the frame, means for optionally mounting the wheels on the frame rearwardly of the bowl or on the frame adjacent the ends of the bowl, fluid pressure operated means on the frame for tilting the bowl relative to the frame, and means adjustably connecting the bowl to the fluid pressure operated means whereby the speed of tilting the bowl by the fluid pressure operated means may be varied.

2,257,597
PREPARATION FOR COMBATING PESTS AND DISINFECTING SEEDS
Otto Fivian, Locarno-Muralto, Switzerland
No Drawing. Application September 21, 1938, Serial No. 230,956. In Great Britain September 2, 1938
2 Claims. (Cl. 167—20)

2. Preparation for combating pests comprising 1 to 1½ per cent of a solution of sulphur in alcohol, 5 per cent of potassium dinitro-ortho-cresolate, 5 to 12 per cent of an alkali metal sulphide, 2 to 5 per cent soft soap, and the remainder water.

2,257,598
SEPARABLE FRAME AND CONNECTED BLOCK STRUCTURE
Hurxthal F. Frease, Canton, Ohio
Application June 16, 1939, Serial No. 279,501
4 Claims. (Cl. 20—4)



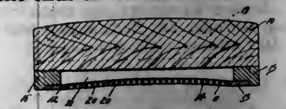
1. In a separable frame and connected block structure, one set of laterally spaced longitudinally extending clamping frame members, another set of laterally spaced clamping frame members extending longitudinally crosswise of the first set, each clamping frame member of each set having formed therein a plurality of longitudinally spaced apertures, an aperture of one of the clamping frame members of the one set registering with an aperture of one of the clamping frame members of the other set at each of the crossings of the frame members, screw means separably connecting the crossing frame members with each other, each screw means including a shank extending thorugh one set of the registering apertures, spacer means interposed between the connected frame members at each crossing adjacent the shank of the screw connecting means, and blocks separably clamped between the crossing frame members.

2,257,599
METHOD FOR THE MANUFACTURE OF STARCH PRODUCTS
Georg Frischmuth and Engelbert Frobel, Hamburg, Germany, assignors to the firm Deutsche Maizena Gesellschaft m. b. H., Maizenahaus, Hamburg, Germany
No Drawing. Application December 9, 1939, Serial Number 308,394. In Germany December 1, 1938
5 Claims. (Cl. 99—139)

1. A method for the manufacture of a starch pudding powder which together with cold water results in a gelatinizing, easily divisible, pudding-like mass, characterized by the feature that pudding starch is treated with heat to paste and dry the same, and then by means of fine-crushing and sifting, the resulting product, mixed with sweetening and flavoring material, is mechanically reduced to a size of grain corresponding to the intermediate grain ranging between two silk screens of approximately 4000 and 6000 meshes per square centimetre respectively.

2,257,600
CLEANING DEVICE
Julius Fuchs, Cleveland, Ohio, assignor of forty-five per cent to Augustus J. Baker, Cleveland, Ohio
Application March 30, 1940, Serial No. 327,025
4 Claims. (Cl. 15—104)

1. A device of the class described comprising a handle, a perforated plate mounted therein and forming therewith a chamber, and means for closing the ends of the said chamber supporting

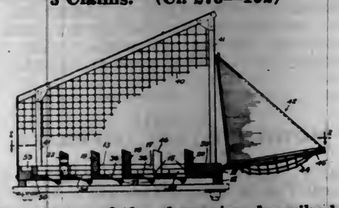


the ends of the perforated plate, one of the said means being bodily removable as a single unit so that the chamber may be cleaned.

2,257,601
METHOD OF LUBRICATION
Frank W. Hall, New York, and Charles C. Towne, Beacon, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application August 6, 1938, Serial No. 223,487
2 Claims. (Cl. 252—53)

1. The method of lubricating connecting rod and main bearings of the new alloy type and cylinders and pistons of an internal combustion engine, which comprises maintaining between the bearing surfaces and on the cylinder and piston walls films of a mineral lubricating oil which provide an effective lubricating action but which normally tend to corrode the said alloy bearings and to produce varnish deposits on the said cylinder and piston walls, and minimizing the said bearing corrosion and varnish deposits while maintaining the effectiveness of the lubricating action by incorporating in the said mineral lubricating oil about 0.01–2.0% of a phosphatide compound.

2,257,602
GAME DEVICE
Walter Hansell, New York, N. Y.
Application March 13, 1940, Serial No. 323,762
3 Claims. (Cl. 273—102)



1. In a device of the character described, comprising a table, a plurality of pegs pivotally mounted on said table, said pegs being adapted to rest in an upright or horizontal position, and means for placing all of said pegs in an upright position, said means comprising rods positioned behind and below said pegs and having fingers adapted to engage said pegs, a second-mentioned finger on each of said rods at the end thereof, and a spring-controlled pull rod at the side of the table having apertures therein adapted to engage the second-mentioned fingers on the ends of the first-mentioned rods to cause said rods to rotate when the pull rod is operated against said spring.

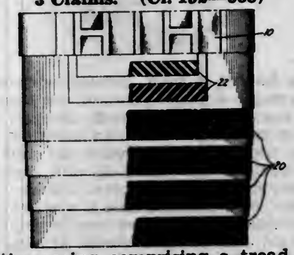
2,257,603
SEALING ELEMENT
Clayton C. Harrah, Niles, Mich., assignor to National Standard Company, Niles, Mich., a corporation of Michigan
Application December 6, 1939, Serial No. 307,799
2 Claims. (Cl. 20—69)

1. A weatherstrip comprising an elongated body of yielding material and a flat tape formed of at least three braided metal wires crossing over and under each other diagonally back and forth across the tape and formed with relatively sharp bends at the edges of the tape, one edge of said tape being imbedded in said body and



the material of the body being secured to itself through the interstices of the tape around and between the wires, and a sheet of fibrous material covering and secured to said body and having flange portions loosely overlying the opposite sides of the tape where it extends from the body.

2,257,604
TIRE CASING
Clayton C. Harrah, Niles, Mich., assignor to National Standard Company, Niles, Mich., a corporation of Michigan
Application January 31, 1940, Serial No. 316,489
3 Claims. (Cl. 152—358)

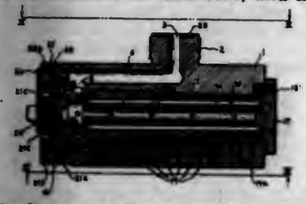


1. A tire casing comprising a tread and side walls formed of rubber or the like and side beads containing annular reinforcements and having imbedded therein and being reinforced solely by a plurality of layers of metallic wire elements extending from one bead diagonally through the side walls and tread to the other bead, each wire element comprising a section of flat wire braid made up of wires extending back and forth diagonally across the braid and over and under each other continuously throughout the section and spaced apart to leave openings through the braid between the wires, the rubber of the tire casing being bonded to the surface of the wires and to itself around and between the wires through the openings in the braid.

2,257,605
ADJUSTABLE FLAME HARDENING TORCH
Albert L. Hartley, Cincinnati, Ohio, assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Application September 26, 1940, Serial No. 358,503
2 Claims. (Cl. 158—27.4)

1. In a gas burner, a body, a tapered bore in said body, flame orifices in said body opening into said bore, a rotatable tapered adjusting member mounted in said bore, means for rotating said adjusting member to selected positions, means for withdrawing said adjusting member from engagement with said bore when rotating said adjusting member and for firmly engaging said member with said bore when rotated to selected position, a fuel chamber in said adjustable member, ports in said member opening into said chamber and adapted to be brought into selective

register with the various flame orifices by rotation of said member in said bore, and means in



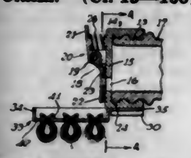
said body for connecting a source of fuel to said chamber.

2,257,606

COMBINATION DISPENSER AND CLEANING BRUSH

Harry Herbert, South Amboy, N. J.

Application February 26, 1940, Serial No. 320,905
1 Claim. (Cl. 15—138)



A bottle having a neck formed with external screw threads, a cap screwed to the screw threaded portions of said neck, the top wall of said cap being formed with an opening, a lever pivoted to the top wall of said cap and having a handle portion extending in one direction, a spring interposed between the handle portion and the cap, said lever having a portion extending in an opposite direction and overlying said opening, said cap being formed with a pair of opposed grooved guides, a detachable pan having a tongue received within said guides, said pan having a bottom wall formed with a plurality of parallel slots, and brush elements extending through said slots, said pan being positioned to receive liquid passing from the bottle through said opening.

2,257,607

POLYSULPHIDE FILM-FORMING MATERIAL AND PROCESS FOR PREPARING THE SAME

Fritz Jage, Saarau, Kreis Schweidnitz, Germany, assignor to the firm Silesia Verein Chemischer Fabriken, Saarau, Kreis Schweidnitz, Germany

No Drawing. Application December 14, 1939, Serial No. 309,239. In Germany December 31, 1938
2 Claims. (Cl. 260—32)

1. A process for producing an aqueous dispersion of a sulphur-containing organic condensation product of high molecular weight, which comprises the steps of forming an aqueous dispersion by condensing an inorganic water-soluble polysulphide in an aqueous reaction medium with an organic compound having a substituent joined to each of two different carbon atoms, which substituent is split off during the reaction, in the presence of an inorganic dispersing agent selected from the group consisting of an oxide, hydroxide and carbonate of magnesium, calcium and barium, adding to the aqueous dispersion thus obtained, in immediate succession, a diluted, non-oxidizing acid until a pH-value of 4–6.5 is attained, and then a basic neutralizing agent until the pH-value rises to 7–8, and then washing the dispersion thus obtained with water.

2,257,608

ELECTRICAL CONNECTION

Arthur Keefe, Akron, Ohio

Application October 29, 1937, Serial No. 171,655
10 Claims. (Cl. 200—115.5)



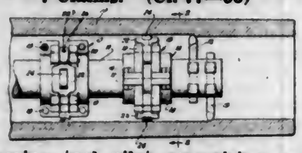
1. An electrical connection, comprising in combination, an intermediate member comprising a resilient body portion, a concealed spring blade contact disposed in said intermediate member and terminating at one end in a spring tip cushioned by the resilience of said body portion, and a fuse removably engaging said blade contact spring tip in resilient end-wise compression.

2,257,609

PILOT FOR BORING BARS

Bernard M. Kollath, Chicago, Ill.

Application June 25, 1941, Serial No. 399,609
7 Claims. (Cl. 77—55)



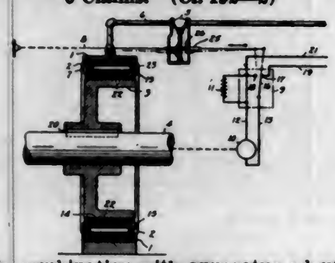
1. A boring tool pilot comprising a pair of cooperating clamp sections provided with means for clamping th same about a boring member, a plurality of arms each pivotally secured at one end to one of said clamp sections, adjusting means at the opposite ends of said arms, and rollers intermediate said arm ends adapted to be adjusted by said adjusting means into positions for contacting the wall of the work piece for centering the boring member with respect to the inner surface of a work piece to be bored.

2,257,610

MOTOR CONTROL AND BRAKE MECHANISM

Herman T. Kraft, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application February 16, 1939, Serial No. 256,687
6 Claims. (Cl. 192—2)



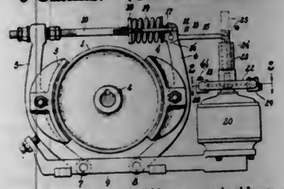
1. In combination with apparatus adapted for dynamically braking the driving motor of machinery and line shafting, a fluid operated brake comprising a rigidly mounted outer member, an inwardly inflatable brake shoe carried by said outer member, a rotatable drum mounted substantially concentric with said brake shoe, and safety trip means for rapidly supplying compressed fluid to said inflatable shoe and breaking the motor circuit, and means for substantially simultaneously applying dynamic braking to the driving motor.

2,257,611

TIMING DEVICE FOR MECHANICAL POWER DRIVES

Arvid E. Lillquist, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware

Application August 16, 1939, Serial No. 290,524
9 Claims. (Cl. 188—171)



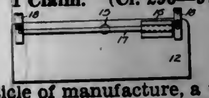
1. The combination with a rotating shaft, of a fly-wheel connected therewith, said fly-wheel comprising a rim having an annular cavity, a valve adapted to restrict the circular flow of a fluid in said cavity induced by variations in speed of said fly-wheel, and biasing means to bias said valve to oppose by an adjustable amount the flow of said fluid resulting from such variations in speed.

2,257,612

SUN VISOR EXTENSION

William W. Lininger, Denver, Colo.

Application December 15, 1938, Serial No. 245,857
1 Claim. (Cl. 296—97)



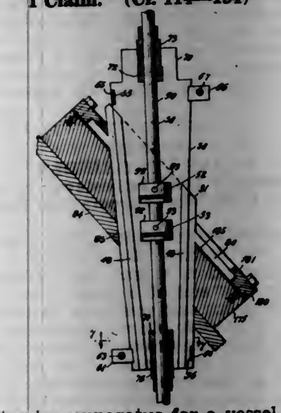
As an article of manufacture, a visor extension comprising an extension element having hinged complementary members, and mechanism inclusive of spring clips, a guide and a slide member, for mounting said element on a visor for limited sliding extension movement relative thereto.

2,257,613

STEERING APPARATUS

George J. Mannfolk, New York, N. Y.

Application March 11, 1938, Serial No. 195,266
1 Claim. (Cl. 114—154)



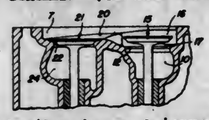
In a steering apparatus for a vessel the combination of a housing comprising a pair of tapered members extending through an opening of said vessel, each of said members having a one-half portion of a cylindrical longitudinal opening therein and opposite each other, each of said members having a pair of one-half portions of cylindrical cavities larger in diameter than said openings and in line therewith, a rudder shaft rotatively positioned in the longitudinal openings of said members, a pair of sleeves connected to the rudder shaft positioned in said cavities, supporting cages with rollers fixed in place to one of the members of the housing one below each of said sleeves, each of the sleeves bearing on the rollers in its adjacent cage and a rudder detachably connected to the rudder shaft.

2,257,614

INTERNAL COMBUSTION ENGINE

Elmer McCormick, Waterloo, Iowa, assignor to John Deere Tractor Company, Waterloo, Iowa, a corporation of Iowa

Application July 13, 1940, Serial No. 345,332
7 Claims. (Cl. 123—191)



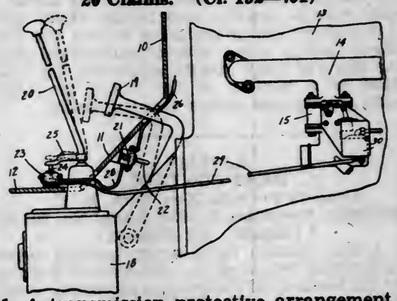
1. In combination in an internal combustion engine, a cylinder having a combustion chamber including a generally circular head wall at one end thereof, an intake valve seat in said head wall, a valve therefor, and a helical ramp on said head wall beginning adjacent one side of said valve seat, curving substantially uniformly and continuously about said head wall, and terminating adjacent the opposite side of said valve seat but spaced axially therefrom.

2,257,615

LOW SPEED ACCELERATION SAFETY DEVICE

Neel M. McCullough, Anderson, Ind., assignor to The Pierce Governor Company, Anderson, Ind., a corporation

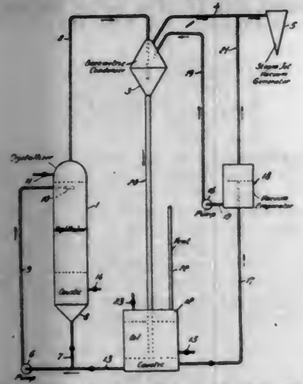
Application January 22, 1938, Serial No. 186,347
20 Claims. (Cl. 192—.01)



1. A transmission protective arrangement for multi-speed self-propelled vehicles having a prime mover, a multi-positionable speed changing mechanism having a control member movable into a plurality of positions and a clutch mechanism having a control member movable into a plurality of positions, including in combination a pair of control means, a control for the prime mover fuel supply, and means connecting said control means and control in series, one control means being juxtapositioned relative to the con-

trol member of one mechanism for automatic operation therewith and the other control means being similarly positioned relative the control member of the other mechanism for automatic operation therewith, said fuel control being responsive to reduce the fuel supply to a predetermined amount or prevent increase of the fuel supply above that amount when the first mentioned control member is in one of said positions and the other control member is in one of its positions and during an appreciable portion of movement into another position to prevent dangerous acceleration of the prime mover immediately prior to clutch engagement.

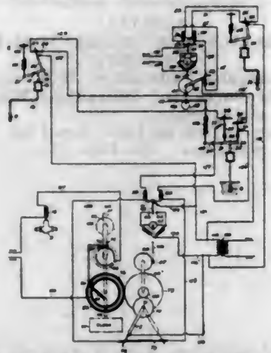
2,257,616
PROCESS FOR COOLING LIQUIDS
Stuart Parmelee Miller, Scarsdale, N. Y., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
Application April 25, 1940, Serial No. 331,558
7 Claims. (Cl. 62—170)



1. The process of cooling a body of liquid by vacuum evaporation which comprises adding to a body of substantial depth of said liquid another liquid immiscible therewith and of greater specific gravity and higher vapor pressure than the first mentioned liquid, maintaining said body under vacuum while withdrawing the liquid of greater specific gravity and higher vapor pressure therefrom and introducing it into said body to effect cooling of the body of substantial depth of the liquid of lower specific gravity by the evaporation of a portion of the liquid of greater specific gravity and higher vapor pressure.

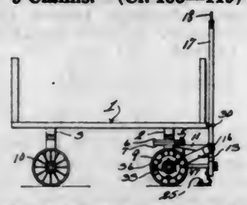
2,257,617
HEAT CONTROL
Gregory Pervelis, New York, N. Y.
Application November 9, 1939, Serial No. 303,585
7 Claims. (Cl. 236—91)

1. A heat control for a steam heating system for a building including an automatically closing valve for turning off steam to said system, a solenoid for opening and maintaining open said valve, a switch for turning on current to said solenoid, said switch being provided with a pair of contact members, one of which is a circle and the other an arc-shaped member and a brush for connecting the contact members, said brush having one arm in contact with the circular contact member and a second arm positioned to be moved into and out of contact with said arc-shaped contact member, a clock for moving said second arm into engagement with said arc-shaped contact member, maintaining said second arm in engagement with said arc-shaped contact member for a predetermined period and then moving the second arm out of engagement with said arc-shaped con-



tact member, and thermostatically operated means for moving said arc-shaped contact member for varying the time period that said second arm engages the same.

2,257,618
BRAKE MEANS FOR BAGGAGE TRUCKS
Maurice G. Petersen, Centralia, Wash.
Application May 21, 1941, Serial No. 394,539
9 Claims. (Cl. 188—119)

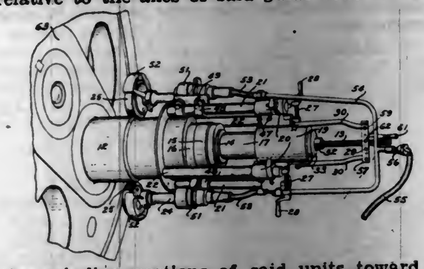


1. In a wheeled truck structure having a pair of steerable wheels, an arm connected with said pair of wheels and extending forwardly therefrom, a sleeve pivotally supported by the arm for oscillation on an axis extending transversely of the truck, a tongue extending through and adjustable lengthwise in said sleeve, a wheel brake for said pair of wheels, a ground engaging friction brake operatively connected with the tongue, and means for coupling the tongue with the wheel brake upon oscillation of the tongue in one direction, the said oscillation of the tongue facilitating bringing the frictional brake in engagement with the underlying truck supporting surface.

2,257,619
CRANK PIN GRINDER
George Ferdiend Prill, Jamestown, N. Dak., assignor to Goetz-Voss Corporation, Wauwatosa, Wis.
Application November 24, 1939, Serial No. 305,805
20 Claims. (Cl. 51—241)

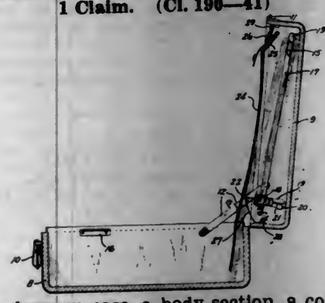
1. In combination, a feed shaft attachable to the overhanging end of a crank pin, a tubular support embracing said shaft and having a socket embracing the crank pin end, said shaft having a threaded extension projecting beyond the overhanging end of said support, a rotary drum journalled on said support, brackets suspended from said drum, guide rods carried by said brackets and extending parallel to the axis of

rotation of said drum, grinder units suspended from said guide rods on opposite sides of the crank pin and being slidable along said drum, means for effecting adjustment of said units relative to the axes of said guide rods to move



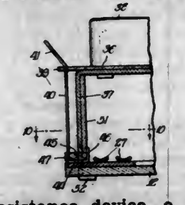
the grinding portions of said units toward or away from the crank pin periphery, and means cooperable with said threaded shaft extension to move said grinder units longitudinally of the crank pin axis.

2,257,620
WARDROBE CASE SECTION CLOSURE FLAP
Julius Ritter, Jr., Racine, Wis., assignor to Hartmann Trunk Company, Racine, Wis., a corporation of Wisconsin
Application April 13, 1940, Serial No. 329,399
1 Claim. (Cl. 190—41)



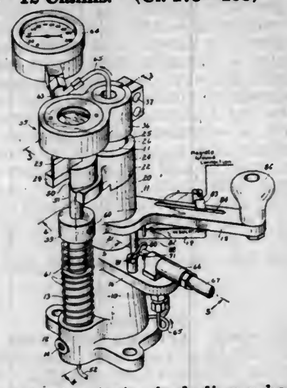
In a luggage case, a body section, a cover section having a rear wall thereof hingedly connected to an adjacent wall of the body section, a fixture for folding and compacting garments, said fixture including a frame having its inner ends connected by pivots to inner wall portions of the cover section slightly spaced outwardly of the hinged wall of the cover section, inner end portions of the frame having garment folding bars removably mounted directly thereon, substantially spaced from the hinged wall of the cover, the ends of said bars terminating short of the sides of the cover section, said fixture being adapted to swing into the cover section of the case to house folded garments within said cover section, a flexible curtain for closing the open face of the cover section, elongated flexible transversely spaced apart straps having their ends attached respectively to intermediate side portions of the curtain and to spaced end portions of the hinged rear wall of the cover, the connections of said straps with the cover being removed from the pivotal connections of the fixture frame and from the bars carried by the inner end of said frame, said curtain being of substantially greater height than the cover section, and clasp members detachably connecting the outer end of the curtain to the free end of the cover section, the inner end portion of the curtain, beyond said straps, forming a foldable flap depending a substantial distance into the rear of the body section of the case to accommodate between it and wall portions of the case extended end portions of garments draping from the cover section into the body section of the case.

2,257,621
TERMINAL CONSTRUCTION
Newton C. Schellenger, El Paso, Tex., assignor to Chicago Telephone Supply Company, Elkhart, Ind., a corporation of Indiana
Application March 8, 1939, Serial No. 260,545
14 Claims. (Cl. 201—63)



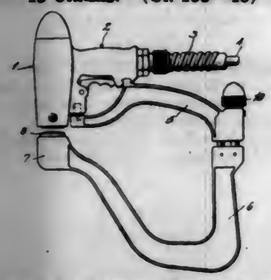
8. In a resistance device, a base having an extended portion thereon, a resistance element overlaying said base, a cover for said device, an insulator overlaying said cover and having an extended portion, a terminal member having its lower extremity in contact with said resistance element, a second insulator overlaying the lower extremity of said terminal member adjacent to the extended portion of said base, means provided by the extended portion of the first named insulator for positioning the upper end of said terminal member, and means associated with said cover and said base for maintaining contact of said terminal element with said resistance element.

2,257,622
SPARK PLUG TESTER
Christopher A. Schulz, Guttenberg, N. J., assignor to The B. G. Corporation, New York, N. Y., a corporation of New York
Application January 14, 1941, Serial No. 374,307
12 Claims. (Cl. 175—183)



1. A spark-plug tester including a base, a post extending upward from the base, a spark-plug holder movable up and down on the post, a pressure chamber with an opening in its bottom wall in line with a spark-plug carried by said holder, and a device for moving the holder into position where the electrode end of an inverted spark-plug on the holder is exposed to the pressure in the chamber.

2,257,623
PORTABLE HAMMER
Ragnar E. Skoglund, Chicago, Ill.
Application June 7, 1940, Serial No. 339,351
15 Claims. (Cl. 153—48)



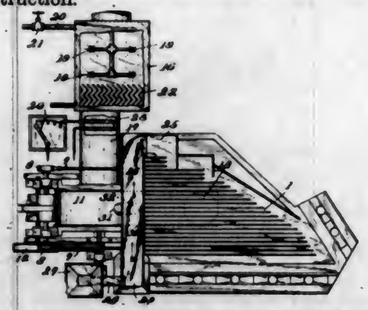
1. In a portable hammer having a reciprocable hammer element, a continuously rotating power driven means, energy storing means comprising a spring between said rotating means and said hammer, means movable on said hammer element and operable by said power means to compress said spring, said elements being constructed and related to cause hammer operating energy to be stored in said spring when said hammer element is at the limit of its working stroke, and means controlled by said rotating means simultaneously to raise said hammer element and said energy loaded spring and release said energy at the limit of the nonworking stroke of said hammer element to cause a working stroke.

12. An anvil supporting, substantially U-shaped yoke for a portable hammer unit comprising an anvil supporting arm, a hammer supporting arm, means connecting said arms for relative movement, adjustable means to enable adjustment of said arms to and from each other while retaining the same relative angular relationship, said connecting means comprising telescopic means for retaining said arms in alignment, said adjustable means comprising a manually operable cam for moving said arms toward each other and spring means tending to separate said arms.

13. A portable hammer of the character described comprising a casing having a laterally extending handle, a power shaft extending through said handle, a hammer element in said casing and operable by said power shaft, a substantially U-shaped yoke pivotally connected with said casing and having a portion in interlocking engagement with a complementary portion of said handle when said handle is in alignment with said yoke, said pivotal connection and said portions being constructed to enable removal of said yoke by rotary movement of said casing and handle on said pivotal connection to separate said portions and an anvil supported on the free arm of said yoke in alignment with said hammer element.

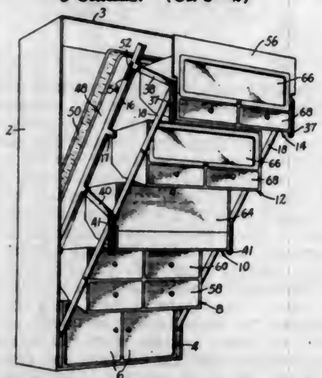
2,257,624
PROCESS AND APPARATUS FOR PNEUMATIC SEPARATION OF MASSES COMPOSED OF PARTICLES HAVING VARIED CHARACTERISTICS
Henry M. Sutton and Frank E. Wood, Dallas, Tex., assignors, by mesne assignments, to Reconstruction Finance Corporation, Dallas, Tex., a corporation of the United States
Application May 18, 1939, Serial No. 274,460
7 Claims. (Cl. 209—4)

1. A porous metal deck surface for a pneumatic separator table having its deck composed of fine woven wire provided with orifices and the metal surrounding said surfaces flattened said flattened portions gradually and practically invisibly increasing substantially throughout said deck surface from its feed end to its delivery end as distinguished from the prior art step by step construction.



7. A pneumatic process for the separation of particles of a mass having moisture absorbing properties in various degrees which consists in subjecting said mass to a humidifying process which causes certain particles to retain a moisture and therefore to become heavier than other particles and afterwards subjecting said mass to a continuous separating process which consists in subjecting said mass to the action of air currents exerting a lifting force gradually decreasing from the feed end to the delivery end of a supporting surface on which the particles are separated by the action of gradually decreasing air currents.

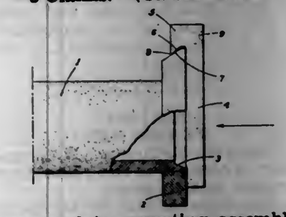
2,257,625
CABINET CONSTRUCTION
Edward K. Thomas, Miami, Fla.
Application December 13, 1939, Serial No. 308,916
5 Claims. (Cl. 5—2)



1. In apparatus of the character described, the combination of: a base structure having two ends and a front and rear; a frame structure having two link members pivotally mounted to swing in parallel paths with their pivots in alignment and upon the opposite ends of said base structures, and a pair of parallel frame members mounted upon pivots in alignment above and at the rear of the first-mentioned pivots, said parallel frame members cooperating to form a frame support for a bed; a plurality of movable sections each independently carried by said links and frame members with pivotal connections

spaced substantially the same as the spacing between the first and second-named pivots whereby said movable sections are swung from vertical alignment to horizontal alignment and are maintained in their upright positions at all times and whereby said bed is simultaneously moved from a vertical position behind said sections to a horizontal position for use; and an adjustable balancing means to facilitate the swinging of said sections including a plurality of springs and means to change the number of springs which are effective.

2,257,626
IRRIGATION CONTROL GATE
John S. Thomson, Yuba City, Calif., assignor to Valley Concrete Pipe & Products Company, Yuba City, Calif., a corporation of California
Application October 21, 1939, Serial No. 300,614
3 Claims. (Cl. 251—56)



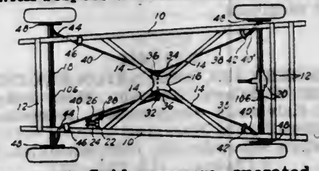
1. A closure plate mounting assembly for an irrigation control gate which includes a fixed, flat panel having a water flow opening therethrough, and a flat closure plate for the opening, said plate normally engaging the panel in face to face relation; said assembly comprising a horizontal ledge formed on the plate adjacent its upper edge and overhanging the upper edge of the panel, said ledge being undercut from the bottom at an upward acute angle to a horizontal plane, and the upper edge of the panel being horizontal, of substantial width, and formed with a bevel cooperating with said undercut portion of the ledge; the ledge being undercut from the lower and outer edge of the bottom thereof, the angle of the bevel being slightly less acute to a horizontal plane than the angle of the undercut whereby the undercut ledge makes only a line contact with the bevel.

2,257,627
LUBRICATING OIL
Hans G. Vesterdal, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 29, 1937, Serial No. 182,253
8 Claims. (Cl. 196—44)

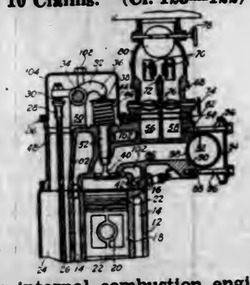
1. Process of preparing improved oxidation and sludging resistant lubricating oils comprising treating a previously refined lubricating oil substantially free of unsaturated materials with a small amount of a boron halide in an amount less than 0.5%.

2,257,628
BRAKE
Nils Erik Wahlberg, Kenosha, Wis., assignor to Nash-Kelvinator Corporation, Kenosha, Wis., a corporation of Maryland
Application April 17, 1939, Serial No. 268,258
20 Claims. (Cl. 188—2)

1. The combination with a plurality of brakes having rotatable drums, a plurality of brake shoes associated with each of said drums, and means for moving said brake shoes into engagement with said drums, said shoes being mounted for limited universal movement in the plane of said drums with respect to said drums and said moving means, of fluid pressure operated means mounted in the path of floating movement of said shoes and adapted to be actuated by movement of said shoes to actuate the shoes of the other brakes so that the resulting braking effect of all the brakes will be equalized.



2,257,629
MANIFOLD
Nils Erik Wahlberg, Kenosha, Wis., assignor to Nash-Kelvinator Corporation, Kenosha, Wis., a corporation of Maryland
Application April 19, 1939, Serial No. 268,686
10 Claims. (Cl. 123—122)



1. In an internal combustion engine, a cylinder head, a valve mechanism within the cylinder head and operative to admit quantities of fuel and air mixture to the motor, a manifold for distributing fuel and air mixture to the intake valves including a pair of longitudinally extending, spaced channels formed in and open on the upper surface of the head, each of said channels having its ends connected to a plurality of cylinders for the purpose of distributing fuel thereto.

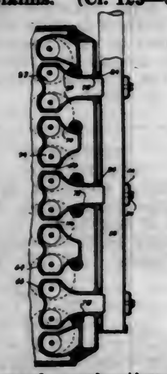
2,257,630
MOTOR MOUNTING
Nils Erik Wahlberg and Meade F. Moore, Kenosha, Wis., assignors to Nash-Kelvinator Corporation, Kenosha, Wis., a corporation of Maryland
Application May 3, 1939, Serial No. 271,464
15 Claims. (Cl. 180—57)



1. A motor vehicle comprising an engine unit, a torque tube rigidly secured to said engine unit, a rear axle rigidly secured to said torque tube and supporting vehicle driving wheels, a frame for the vehicle, means for supporting the engine and driving unit from the frame including a plurality of horizontally extending leaf springs

rigidly secured to the engine and having conical shaped pins secured to the free ends thereof, conical cup members supported on said frame and around said pins, and resilient cushion members positioned between said pins and cup shaped members.

2,257,631
INTERNAL COMBUSTION ENGINE
Nils Erik Wahlberg, Kenosha, Wis., assignor to Nash-Kelvinator Corporation, Kenosha, Wis., a corporation of Maryland
Application November 13, 1939, Serial No. 304,029
9 Claims. (Cl. 123—52)



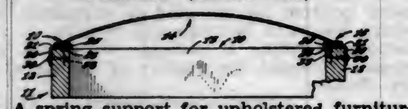
1. In an internal combustion engine of the valve in head type, a head casting having valve mechanism carried thereby, the top wall of said casting defining a straight intake manifold longitudinally of said casting, intake tubes opening from the side of said manifold and curving downwardly to said valve mechanism, a plate defining a carburetor port covering said manifold, and a down draft carburetor supported by said plate and adapted to discharge into said manifold.

2,257,632
GEAR SHIFTING MECHANISM
Nils Erik Wahlberg, Kenosha, Wis., assignor to Nash-Kelvinator Corporation, Kenosha, Wis., a corporation of Maryland
Application February 14, 1940, Serial No. 318,809
7 Claims. (Cl. 74—434)



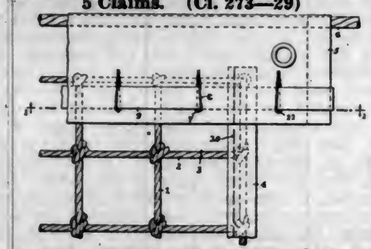
1. In an automobile having a transmission shiftable by movement of one of two shift rails, a selector bar pivoted at one end to be engaged with either of said shift rails, said selector bar also being pivoted for movement in a plane at right angles to said first pivot, a link for moving said selector bar in said first plane of rotation, a second link for moving said selector bar in said second plane of rotation, a main shaft mounted for axial and rotative movement, linkage connecting said first link with said main shaft subject to the axial movement of said shaft and linkage connecting said second link with said main shaft subject to rotative movement of said main shaft.

2,257,633
SPRING SUPPORT FOR UPHOLSTERED SEATS AND BACKS
Albert M. Bank, Jersey City, N. J., assignor to Sylvia Bank, Jersey City, N. J.
Application October 23, 1940, Serial No. 362,379
14 Claims. (Cl. 155—179)



3. A spring support for upholstered furniture comprising a frame having opposite walls, pairs of brackets attached to said opposite walls, and longitudinally arched, sinuous shaped springs having inwardly extending, co-planer looped abutment portions at the ends thereof received in said brackets, said looped portions being normally inclined downwardly and inwardly when separated from said brackets, and said springs being of less length when unattached to the frame so as to require stretching to attach the looped ends to the brackets.

2,257,634
TENNIS NET
Royce S. Bunker, Baltimore, Md., assignor to The Linen Thread Co., Inc., New York, N. Y., a corporation of Delaware
Application June 14, 1940, Serial No. 340,482
5 Claims. (Cl. 273—29)



1. A net of the class specified including a net proper composed of crossing strands connected together at their points of crossing, an elongated horizontal flexible supporting element for the net proper, and an elongated horizontal flexible supporting strip of sheet material for said element, said element being threaded at intervals through said strip and also a horizontal row of openings adjacent the upper margin of the net proper and existing in interwoven relation to the strands between such openings.

2,257,635
TENNIS NET
Royce S. Bunker, Baltimore, Md., assignor to The Linen Thread Co., Inc., New York, N. Y., a corporation of Delaware
Application June 17, 1940, Serial No. 340,983
7 Claims. (Cl. 273—29)



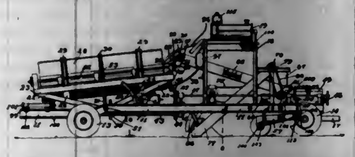
1. A net of the class described including a net proper, a horizontal supporting top-band consisting of a unitary length of flexible sheet material folded on a longitudinal line and straddling the upper margin of the net proper and having each longitudinal marginal portion folded inward and upward thus to form an inner lap and an outer ply, and an elongated supporting element for the net proper traversing the latter in a generally horizontal direction and existing threaded at intervals through the lap-forming portions independently of said plies and also at such intervals through the openings, independently of the strands, of the net proper.

2,257,636
WORLD WAR GAME
David Cohen, New York, N. Y.
Refiled for abandoned application Serial No. 246,351, December 17, 1938. This application August 7, 1940, Serial No. 351,687
4 Claims. (Cl. 273—134)



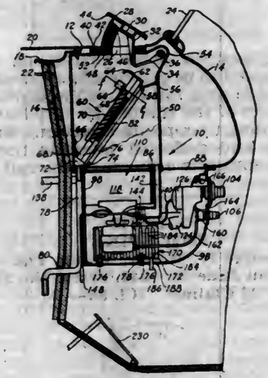
1. In a device of the class described, a flat game board having a plurality of perforations formed around the edge thereof, means for supporting said board in a slightly elevated position to provide a space beneath said board, a spinnable pointer mounted on the top center of said board, a spindle having said pointer fixedly mounted on one end thereof and having its other end rotatively extended through said board and into said space, discs of various sizes coaxially fixedly mounted on said spindle within said space and at varying distances from the bottom face of said board, movable members having their bottom ends passed through said perforations and into said space to contact the faces of said discs, and said discs being formed with a plurality of niches into which the bottom ends of said members frictionally engage as said pointer rotates for retarding the spinning thereof and to influence its stopping position.

2,257,637
MACHINE FOR RESURFACING OIL-SURFACED ROADS
Herbert E. Moore, Red Oak, Iowa
Application July 1, 1939, Serial No. 282,569
6 Claims. (Cl. 94—40)



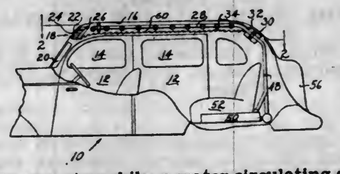
1. In a device of the class described, the combination of a portable frame, an auxiliary frame pivotally connected to the portable frame and extending rearwardly of its pivot member, a transversely arranged shaft carried by the rear end of said auxiliary frame, a series of flat discs carried by said shaft, means for elevating and lowering the rear end of said auxiliary frame, said elevating and lowering means including means for applying pressure to said discs, a scraping blade supported back of said disc adapted to gather material sliced by said disc and to convey it transversely to one end of said blade, means for raising and lowering said blade, a mixing chamber, means for pulverizing material within said mixing chamber, means for applying heat thereto, and means for delivering material from the delivery end of said scraper to the inner end of said mixing chamber.

2,257,638
HEATING
Meade F. Moore, Kenosha, Wis., assignor to Nash-Kelvinator Corporation, Kenosha, Wis., a corporation of Maryland
Application February 10, 1939, Serial No. 255,596
6 Claims. (Cl. 237—1)



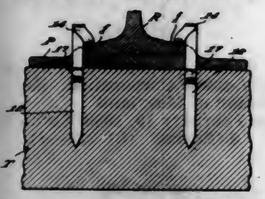
4. In an automobile having an instrument panel with a cowl panel extending forwardly therefrom and defining an intake opening, a heater comprising a plenum chamber supported below said cowl panel and about said intake opening and forwardly of said instrument panel, a plate defining a second opening removably secured to the bottom of said instrument panel and the bottom of said plenum chamber with said second opening registering with said plenum chamber, insulating material positioned between said plate and said plenum chamber, a heater casing removably attached to said plate at points outside of said plenum chamber, said casing defining an opening communicating with the interior of said automobile, and a heat exchanger supported within said casing and in the path of air passing from said plenum chamber through said second opening.

2,257,639
CAR COOLING
Meade F. Moore, Kenosha, Wis., assignor to Nash-Kelvinator Corporation, Kenosha, Wis., a corporation of Maryland
Application March 29, 1940, Serial No. 326,561
7 Claims. (Cl. 261—104)



1. In an automobile, a water circulating system including open troughs, means for withdrawing water from said system comprising wicks dipping into and suspended from said troughs, and means for passing air over said wicks and delivering it into said automobile.

2,257,640
RAIL SPIKE
George W. Muller, Miami, Fla.
Application February 15, 1940, Serial No. 319,134
12 Claims. (Cl. 238—366)



1. A rail securing spike comprising a shank portion adapted to be driven into a railway crosstie at one side of a railway rail and provided at the upper end of the shank with duplicate spring arms extending in opposite directions lengthwise of the rail and deflected laterally thereof for clampingly engaging a flange of the rail.

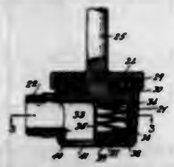
2,257,641
RAIL SPIKE
George W. Muller, Miami, Fla.
Application June 11, 1940, Serial No. 339,975
23 Claims. (Cl. 85—24)



23. An elastic rail retaining spike for use with a tie supported apertured tie plate in turn supporting a rail having a base flange with an edge curved in the upper corner thereof in transverse section of the rail, the spike comprising an elongated shank for extension through an aperture in the tie plate when being driven into a tie, and a yieldable curvilinear head terminating in a rail flange engaging projection, the projection being generally parallel with the shank and being spaced therefrom at such distance that it will contact the curved corner of the rail flange upon driving the shank into position for movement of said projection into substantial yieldable pressure contact with the rail flange edge concurrently with the driving of the shank into position, said projection being of substantial length for projection through an aperture in the tie plate adjacent the edge of the rail flange.

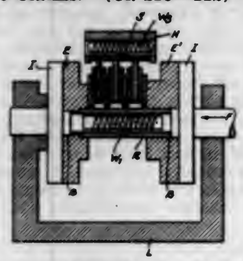
2,257,642
OIL DRAIN VALVE FOR INTERNAL COMBUSTION ENGINES
William G. Orzehowsky, Glen Cove, N. Y.
Application July 25, 1940, Serial No. 347,405
7 Claims. (Cl. 277—24)

5. A valve having in combination, a casing provided with an inlet port end and an outlet port, a rotatable valve member contained in said casing and having a pair of chambers provided therein, one of said chambers being formed to provide a passageway between said inlet port and said outlet port when the valve is in the opened position, the other of said chambers being in the nature of a recess and arranged to come into registry with said outlet port when said valve member is rotated to closed position, a stopper member contained in said other chamber and movable longitudinally thereof, resilient means normally urging said stopper member outwardly of said other chamber and into engagement with said outlet port when said other chamber is in



registry with the latter, and a recess provided in the interior walls of said casing and adapted to receive said stopper member when the valve member is moved to opened position to lock said valve member in such position until positively removed therefrom.

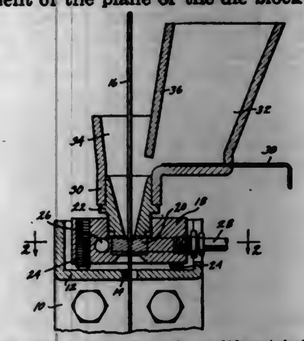
2,257,643
METHOD OF MAKING ROTARY CONDENSERS
Erich Paschke and Arthur Schmidt, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application June 25, 1940, Serial No. 342,314
In Germany February 13, 1939
6 Claims. (Cl. 113—112)



1. Method of making rotary plate condensers of the type having rotor plates affixed to a control shaft and stator plates affixed to a supporting member, with the characteristic feature that the various rotor plates and stator plates are piled up in superposed relation with interposition of spacer plates between each rotor plate and the neighboring stator plate, disposing a control shaft in contacting relation with the rotor plates, disposing a supporting member in contacting relation with the stator plates, soldering the contacts between said cooperating elements, and finally removing the spacer plates.

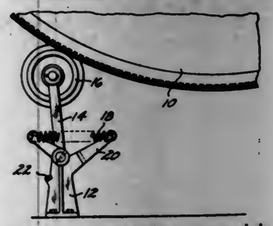
2,257,644
WIRE DRAWING MECHANISM
Robert C. Pierce, Niles, Mich., assignor to National Standard Company, Niles, Mich., a corporation of Michigan
Original application March 14, 1936, Serial No. 68,856. Divided and this application October 19,1938, Serial No. 235,730
9 Claims. (Cl. 205—25)

1. Wire drawing mechanism comprising a die holder, a die block carrying a die through which the wire passes and which freely shiftably engages said holder so that it may adjust its position laterally to center the die opening with the wire, and adjustable members carried by the die block and engaging the holder and which permit adjustment of the plane of the die block to aline



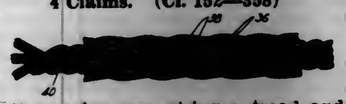
the die opening with the wire without interfering with its shifting.

2,257,645
WIRE HOLDING APPARATUS
Robert C. Pierce, Niles, Mich., assignor to National Standard Company, Niles, Mich., a corporation of Michigan
Application October 27, 1938, Serial No. 237,202
6 Claims. (Cl. 205—16)



1. Wire holding apparatus comprising a haul-off wheel about which the wire is wrapped, a roller pressing the wire against said wheel, a lever carrying said roller and a spring connected to the lever and arranged to swing past its fulcrum as the roller is moved toward or from said wheel, and yieldingly holding the roller against or away from the wheel according to the position of the lever.

2,257,646
TIRE CASING
Robert C. Pierce, Niles, Mich., assignor to National Standard Company, Niles, Mich., a corporation of Michigan
Application November 9, 1939, Serial No. 303,599
4 Claims. (Cl. 152—358)



1. A tire casing comprising a tread and side walls and reinforced side beads, and having imbedded therein a number of layers of tensile elements arranged closely adjacent each other side by side in each layer, and extending diagonally around the tire from one bead through the side walls and tread to the other bead, each element comprising an elongated yielding core of small diameter relative to its length, and a plurality of strands of smaller diameter than the core braided around the core in a tubular braid with each strand crossing over and under other

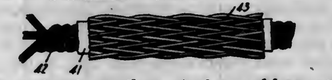
strands diagonally around the core throughout the full length of the element to leave interstices in the braid substantially equal in width to the diameter of the strands, and to provide an element which is resilient longitudinally in both tension and compression, some of said strands being metal wires.

2,257,647
TIRE CASING
Robert C. Pierce, Niles, Mich., assignor to National Standard Company, Niles, Mich., a corporation of Michigan
Application November 9, 1939, Serial No. 303,600
3 Claims. (Cl. 152—358)



1. A tire casing comprising a tread and side walls and reinforced side beads, and having imbedded therein a plurality of layers of flat tapes relatively narrow with respect to their length and extending diagonally around the casing from one bead to the other, said tapes being arranged closely adjacent side by side in the layers to form substantially uniform layers, each tape being made up of strands of substantially uniform diameter braided together with each strand crossing over and under other strands diagonally back and forth across the tape and formed with reverse bends at the edges of the tape so that the tape is longitudinally resilient in both tension and compression, some of said strands being nonmetallic yielding material and the others being metal wires.

2,257,648
REINFORCING ELEMENT AND METHOD OF MANUFACTURE
Robert C. Pierce, Niles, Mich., assignor to National Standard Company, Niles, Mich., a corporation of Michigan
Application November 18, 1939, Serial No. 305,202
5 Claims. (Cl. 96—26)



1. A reinforcing element for rubber or like articles comprising an elongated core of nonmetallic yielding material, and a tubular braid of metal wires around said core, the core carrying bonding material and the wires of the braid pressing against the core so as to be at least partially covered with the bonding material, said element being longitudinally resilient to yield during flexing of a reinforced article.

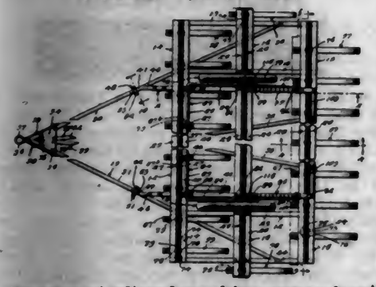
2,257,649
REINFORCING ELEMENT
Robert C. Pierce, Niles, Mich., assignor to National Standard Company, Niles, Mich., a corporation of Michigan
Application November 18, 1939, Serial No. 305,203
2 Claims. (Cl. 96—26)



1. A reinforcing element for rubber or like articles comprising a flat tape formed of a plurality of elongated relatively thin strands of substantially the same diameter, each extending diagon-

ally back and forth across the width of the tape over and under other strands to form a braid, at least one of said strands being of non-metallic yielding material and the other strands being formed of metal wires said tape being resilient longitudinally to yield during flexing of a reinforced article, said non-metallic strands carrying bonding material to facilitate bonding the reinforcing elements to rubber.

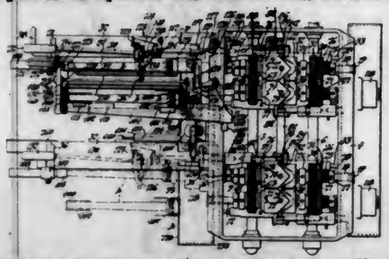
2,257,650
AGRICULTURAL MACHINE
Jakob Pfeifer, Forgan, and Walter G. Huebner, Turpin, Okla.
Application October 24, 1939, Serial No. 301,028
6 Claims. (Cl. 97—233)



1. In an agricultural machine, upper front, intermediate and rear frame members disposed in parallel spaced relation, said intermediate member being formed of a central and a pair of end sections, said sections being disposed in endwise alignment and with the central section spaced from said end sections to provide a pair of clearances, a series of spaced parallel lower frame members secured to the bottoms of the upper frame members, two pairs of the inner ones of the frame members of the said series of lower frame members being located at opposed ends of said sections and bordering said clearances, a pair of spaced parallel oppositely disposed L-shaped axles each having a rear leg arranged in a clearance and a forward leg disposed rearwardly of and parallel to the upper front frame member, means at the rear of the upper frame member and connected with the latter for pivotally supporting said forward legs, supporting wheels arranged in said clearances and revolubly carried by said rear legs, a pair of axle adjusting and latching means each mounted on said central section and the upper rear frame member and having a part pivotally connected to one of the lower frame members of the said pairs of inner lower frame members, each of said means having a shiftable part extended into a clearance and pivotally connected to the rear leg of an axle for adjusting the latter, spaced resiliently supported ground working elements secured with and arranged rearwardly of each of the upper frame members, and a drawbar structure of skeleton form secured to the upper rear frame member and to the outer ones of the series of lower frame members, said structure being extended forwardly of and arranged below said upper frame member.

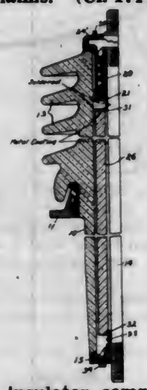
2,257,651
WINDING MACHINE
Charles D. Reynolds and Herman A. Moe, Cranston, R. I., assignors to Universal Winding Company, Boston, Mass., a corporation of Massachusetts
Application September 21, 1938, Serial No. 231,044
60 Claims. (Cl. 242—32)

1. In a winding machine of the type in which yarn is wound by a rotating spindle and guided by traversing means, the combination with said spindle and traversing means of means for automatically doffing a wound mass of the yarn from the spindle, and an electric solenoid for supplying power to operate the last-named means.



4. In a winding machine of the type indicated, the combination of a winding-spindle, means for traversing yarn longitudinally thereof, and magnet means for retracting the spindle to doff a wound mass of the yarn therefrom.

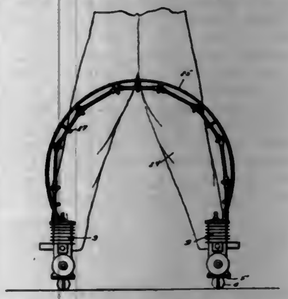
2,257,652
BUSHING INSULATOR
Harold L. Rorden, Barberton, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application December 16, 1939, Serial No. 309,595
11 Claims. (Cl. 174—12)



1. A bushing insulator comprising a tubular dielectric member, a conductor extending through said dielectric member and spaced therefrom, and means engaging said conductor for holding said dielectric member away from said conductor, said holding means and dielectric member having engaging faces one of which is tapered and one of which is resiliently pressed into engagement with the other face to hold said dielectric member spaced from said conductor, said dielectric member being laterally movable relative to said conductor at the end next to said engaging faces and being held in its centered position by said faces.

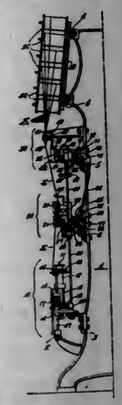
2,257,653
MOTOR SYNCHRONIZER FOR MOTOR DRIVEN SKATES
Oren F. Russell, Palmer, Wash.
Application March 19, 1941, Serial No. 384,220
2 Claims. (Cl. 60—97)

2. In combination, a pair of motors mounted on individual supports, a drive shaft for each motor, a flexible shaft, means operatively connecting the flexible shaft to each of the drive shafts and a bow-shaped support attached to



each motor and supporting the intermediate portion of said flexible shaft.

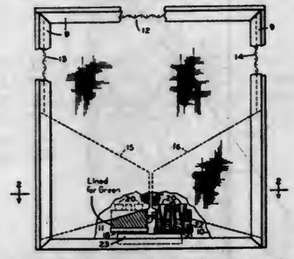
2,257,654
STOP MOTION
Otto W. Schaum, Philadelphia, Pa., assignor to Fletcher Works, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
Application June 11, 1940, Serial No. 339,958
9 Claims. (Cl. 57—82)



1. A stop motion comprising a faller-wire rockable in one plane, a trip finger rockable in a parallel plane, an intermediate trigger finger rockable in the latter plane into the path of movement of said trip finger by said faller-wire, a rockable trigger controlled by said trigger finger, and a rotary spring loaded retaining catch normally held in cocked position by said trigger.

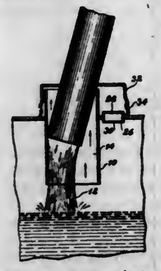
2,257,655
INSECT TRAP
Lincoln B. Scott and Joe Milam, Clarksville, Tenn., dedicated to the free use of the People in the territory of the United States
Application May 17, 1941, Serial No. 393,900
2 Claims. (Cl. 43—107)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A moth trap comprising a screen housing having inwardly diverging screen funnels on opposite sides, terminating within the housing a distance about midway between the two sides and laterally offset, and a moth attractant within the housing adjacent the throat of each funnel, said attractant including a reservoir resembling jimson weed in bloom and an odorous attrahent solution, said housing having a space above the



funnels to lodge moths, said space being of a size insufficient to permit lodged moths to gain controlled flight.

2,257,656
AUDIBLE SIGNALING DEVICE FOR USE WITH TANKS
Frank P. Scully, Cambridge, and Alcide Edward Mathey, Auburndale, Mass., assignors to Scully Signal Co., East Cambridge, Mass., a corporation of Massachusetts
Application November 25, 1939, Serial No. 306,143
5 Claims. (Cl. 116—109)



1. In combination, a container for liquid, a tube acting as a combined fill pipe and vent projecting downwardly into said container to a position where it may be sealed by rising liquid, a separate passage through said container having an audible signaling device in series therewith, the cross-sectional area of said tube being great enough to permit venting of gas therethrough from said container during filling and while the liquid level is below the end of the tube to prevent development of sufficient pressure in said container to operate said signaling device, said tube being long enough to permit sufficient rise of liquid therein after the lower end has been sealed to create adequate pressure in said tank to operate said signaling device.

2,257,657
TIRE CHAIN TOOL
Irwin R. Spahr, St. Louis, Mo.
Application April 11, 1940, Serial No. 329,175
1 Claim. (Cl. 81—15.8)

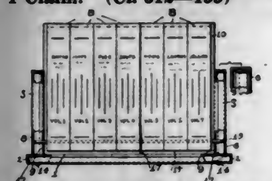
A tire chain tool comprising a resilient metal strip, and a clamp on one end of the metal strip for detachably connecting the strap of a skid chain thereto, said clamp including a pair of resilient jaws for the reception of the strap therebetween, the width of said jaws being less than that of the strap, and a transversely elongated slide operable on the jaws for closing said jaws,

said slide being of a substantially greater width than the jaws and engageable over the strap for



securing said strap against lateral movement between the jaws.

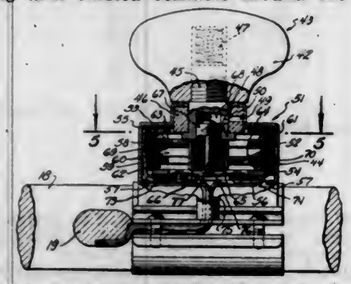
2,257,658
KITCHEN UTILITY
Hazel Terry, Valparaiso, Ind.
Application June 3, 1940, Serial No. 338,510
1 Claim. (Cl. 312—155)



A kitchen utility comprising a plurality of hollow sheet metal containers open at one face and having a closed titled face, a base on which the weight of the containers is supported and having a forward projection, a back projecting upward from the base to cover the adjacent open faces of the containers, suitable ends upstanding from the base and attached to the back defining the space to be occupied by the containers, all the containers being pivotally supported on a single rod which terminates in the end supports and passes through all the containers above the bottoms and inside of the titled faces, and a concave recess formed on the upper face of the base beneath the rod so that the lower front edge of a container will clear the base as it is swung forward on the said rod to rest upon the projection of the base when the utility is supported on a wall.

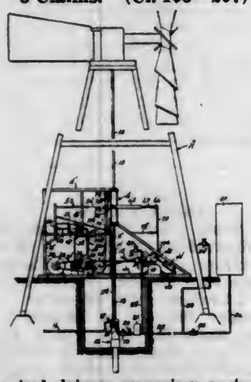
2,257,659
AUTOMOBILE DIRECTION SIGNAL
Glenn S. Thompson, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application June 9, 1939, Serial No. 278,174
19 Claims. (Cl. 200—59)

1. A control for steering wheels comprising: a clamp adapted to be rigidly secured to a steering wheel and forming a housing; a handle portion for the control; means mounting the handle on said housing for unlimited rotation in either direction with respect thereto so that relative motion between the handle and the steering wheel is produced incidental to turning of the wheel by means of the control; switch mechanism inside said housing, said switch mechanism comprising a ring-like band of insulating material having a circumferential guide track on its inner surface substantially concentric to the axis of rotation of the handle; disc-like contact members disposed on opposite sides of said guide track; a contact carrier having a pair of radially extending spring arms, each carrying a contact at its outer end, the contact ends of said arms being normally confined in said guide track out of engagement with said disc-like contact members and yieldingly urged by the tension of their spring arms toward opposite contact members; a driving connection between the handle and the contact carrier for moving said spring arm carried contacts around the guide



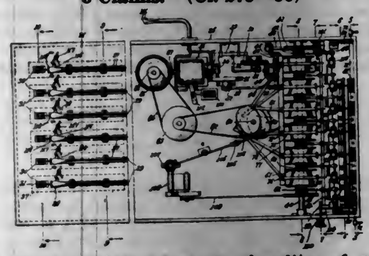
track; and means on said guide track at predetermined positions along the circumference thereof cooperating with said spring arms to effect engagement of the movable contacts with the disc-like contact members during movement of the movable contacts around said guide track, said means being so arranged that engagement of one of said spring arm carried contacts is effected with one of said disc-like contacts to close a circuit during relative rotation of the handle in one direction and so that relative rotation of the handle in the opposite direction effects engagement of the other spring arm carried contact with the other disc-like contact member to close another circuit.

2,257,660
PUMPING SYSTEM
Ralph W. Tilsy, Orland Park, Ill.
Substituted for abandoned application Serial No. 195,096, March 10, 1938. This application October 9, 1939, Serial No. 298,673
3 Claims. (Cl. 103—207)



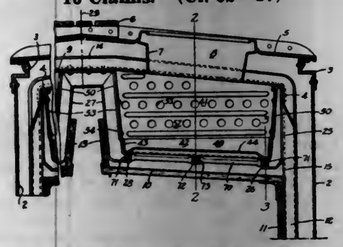
1. In a wind driven pumping system, comprising a fluid pressure pipe line, a power pump in said pipe line, a reciprocating mill head having a key way formed therein, a power driven reciprocating bar having a key way therein, a reciprocating cage surrounding the mill head and the reciprocating bar, a pump rod having its upper end within the cage and provided with a key way, a transverse key sliding in the cage for selectively engaging the key way in the mill head or the reciprocating bar, a power motor having a pitman connected to the reciprocating cage, and pressure operated means whereby the mill head may be disconnected from the pump rod.

2,257,661
RACING GAME
De Witt C. Webb, Washington, D. C.
Application June 8, 1939, Serial No. 278,163
5 Claims. (Cl. 273—86)



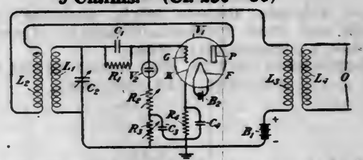
1. In a racing game, a plurality of racing pieces having drawing cords and drums upon which the cords are adapted to be wound, said drums having different contours for varying the speeds of operation of the racing pieces, means for turning the drums, a plurality of supporting arms pivotally mounted adjacent the drums with an end of each arm disposed to traverse the adjacent drum when the pivoted arms are oscillated, cord guides carried upon said ends of the arms to feed the cords to the drums, and a plurality of cams variably disposed in axially angular relation and engaging the opposite ends of said arms to variably oscillate the same and produce the irregular and uneven winding of the cords on the drums.

2,257,662
REFRIGERATOR CAR CONSTRUCTION
Victor E. West, New Kensington, Pa., assignor to Standard Railway Devices Company, a corporation of Delaware
Application December 21, 1938, Serial No. 246,976
16 Claims. (Cl. 62—17)



1. In a refrigerator having a wall, a roof and a refrigerant container below said roof, the combination of a plurality of spaced apart brackets and a plurality of spaced apart supports secured to said roof, a pan having an upstanding peripherical flange, said pan resting upon projecting parts of said brackets and supports and forming the lower portion of said container, foraminous sheathing secured to said brackets and supports to form the upper portion of said container, means to removably secure said pan to said brackets and supports.

2,257,663
APPARATUS FOR PRODUCING INTERRUPTED ALTERNATING CURRENT
Harold Willius Albrecht, St. Paul, Minn., assignor to American Telephone and Telegraph Company, a corporation of New York
Application June 1, 1939, Serial No. 276,929
9 Claims. (Cl. 250—36)



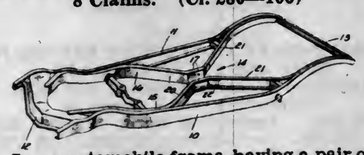
4. The method of producing interrupted alternating current with apparatus including a condenser and a gas tube circuit, which consists in generating alternating current, rectifying a predetermined portion of the current during each cycle, periodically discharging some of the rectified current through said gas tube circuit, building up a voltage on said condenser from the remainder of the rectified current step-by-step, and interrupting the alternating current as the built-up voltage exceeds a predetermined value.

2,257,664
AUTOMOBILE FRAME AND STRUCTURAL MEMBER
Einar Almdale, Detroit, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio
Application March 21, 1940, Serial No. 325,212
19 Claims. (Cl. 280—106)



1. A structural member for vehicle frames comprising four arms converging in cruciform relation, of a connector for said arms comprising an open top torsion resisting U-shaped hollow section member constituting the sole means for connecting the arms together as a unit with the arch of said member extending downwardly between said arms to present an open top for the extension and movement of a propeller shaft.

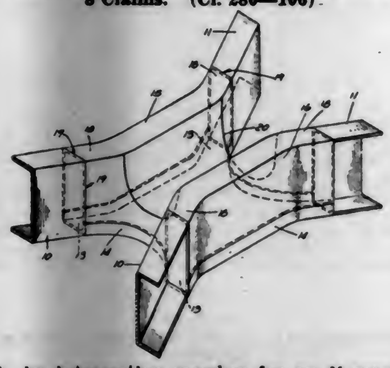
2,257,665
STRUCTURAL MEMBER
Einar Almdale, Detroit, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio
Application April 26, 1940, Serial No. 331,778
8 Claims. (Cl. 280—106)



1. In an automobile frame, having a pair of side rails, a structural member comprising a pair of bowed channel members having their ends secured to the rails and their intermediate bowed

portions arranged adjacent one another with the channels facing outwardly toward the rails, and the lower portions of the webs of the bowed portions being bent inwardly out of their respective planes toward the longitudinal center line of the frame and secured together to form the portions of the two members which are secured together into a structure of substantially U-shaped section to provide propeller shaft clearance.

2,257,666
X-MEMBER
Einar Almdale, Detroit, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio
Application April 26, 1940, Serial No. 331,779
8 Claims. (Cl. 280—106)



1. An intersection member for an X-member for automobiles comprising upper and lower stampings fastened together to constitute by themselves a box section, and the upper stamping having a depressed wide groove extending longitudinally thereof and down between the sides of said member for propeller shaft clearance.

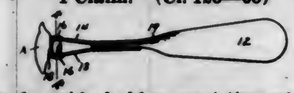
2,257,667
LUMINESCENT MATERIAL
Gunther Aschermann, Berlin-Charlottenburg, Germany, assignor to General Electric Company, a corporation of New York
No Drawing. Application September 4, 1940, Serial No. 355,408. In Germany July 14, 1939
8 Claims. (Cl. 250—81)

1. A method of producing a thallium activated luminescent compound which comprises the steps of mixing a pure material from the group consisting of germanium dioxide and silicic acid with the pure oxide of a metal from the group consisting of beryllium, magnesium and aluminium in proportions ranging between 1 to 1 and 1 to 2, adding thereto a thallium salt in an amount up to about 30 per cent by weight and heating to a temperature between 800 and 1200° C.

2,257,668
FORMATION OF PROTECTIVE LAYERS ON IRON AND STEEL ARTICLES
Gottfried Becker, Dusseldorf, and Fritz Steinberg, Krefeld, Germany
No Drawing. Application March 12, 1937, Serial No. 130,586. In Germany November 10, 1934
1 Claim. (Cl. 91—70.1)

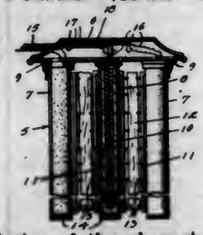
A method of chromising the surface portions of iron and steel articles comprising passing a gaseous mixture consisting essentially of hydrogen and chromous chloride from a source of supply through a heated chamber containing the articles so as to cause a stream of said mixture to pass continuously over the articles in contact therewith, whereby said surfaces will be continuously acted upon by a mixture of hydrogen and chromous chloride for a chromising treatment of any duration, the chamber being heated to such temperature as will maintain the articles at at least 900° C., and regulating the rate and duration of flow of said mixture for controlling the thickness of the protective layers.

2,257,669
ARTIFICIAL TOOTH AND HOLDER THEREFOR
William H. Beckmann, Glen Rock, Pa., assignor to The Dentists' Supply Company of New York, New York, N. Y., a corporation of New York
Application January 30, 1939, Serial No. 253,468
1 Claim. (Cl. 128—68)



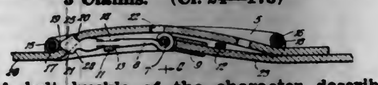
A shade guide holder consisting of a unitary elongate piece of sheet metal shaped to provide a substantially flat handle portion, and a tooth-holding portion, the tooth-holding portion comprising a pair of spaced gripping elements between which the protuberance of a tooth may be introduced, said gripping elements being at the extremities of a pair of fingers integral with the handle portion, the material intermediate one, at least, of said gripping elements and the handle portion being twisted through substantially 90°, the fingers being resilient and having opposed aligned depressions to receive a protuberance of an artificial tooth, and the depressed portions of said fingers being spaced from the plane of the handle portion.

2,257,670
ELECTRIC BROILER
Gaspar R. Bossetta, New Orleans, La.
Application July 26, 1939, Serial No. 286,684
2 Claims. (Cl. 219—19)



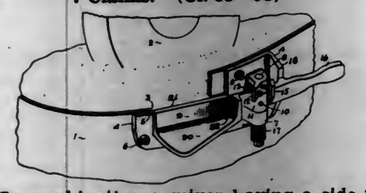
2. In a device of the character described, a support member, a plurality of elongated parallel heating units rigidly secured to the said support in spaced apart relation, a series of heating units at each side of the said rigid units, means pivotally connecting the said side units to the support whereby the said side units are movable to positions parallel with and positions directed angularly from the rigid units, spring means bearing against the said pivoted units yieldingly urging the same to inward positions parallel with the rigid units, and spit carrying rods secured in longitudinally extending arrangement on the said units, the said rods being spaced from the units and having their ends inturned for supporting connection with the units.

2,257,671
BUCKLE FOR BELTS
Herbert Buchsbaum, Chicago, Ill.
Application March 15, 1939, Serial No. 261,939
3 Claims. (Cl. 24—178)



2. A belt buckle of the character described comprising side bars, rollers at opposite ends of said side bars interposed between them, a central bar connecting said side bars, second cross bars spaced from said central bar and connecting said side bars, a tongue pivoted on said central bar adapted to rest upon the said second cross bars, and having its free end terminating just short of the rollers when it is turned toward either of the rollers, whereby to prevent a belt having openings therein from passing between it and the adjacent roller, said tongue having oppositely disposed surfaces at its free end adapted to engage the openings in the belt, said surfaces being at right angles to the direction of the belt.

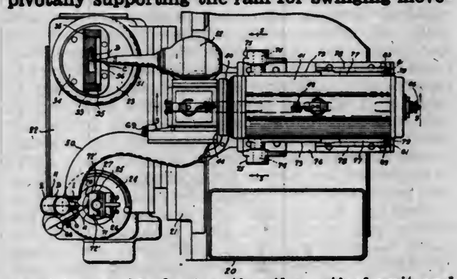
2,257,672
SAND SAMPLER
Alfred C. Christensen, Chicago, Ill., assignor to Herbert S. Simpson, Chicago, Ill.
Application October 23, 1939, Serial No. 300,776
7 Claims. (Cl. 83—93)



1. In combination a mixer having a side wall having an opening therein, means in said mixer for mixing material and for propelling it along said side wall past said opening, and a sampling device associated with said opening and adapted to be projected inwardly into the interior of said mixer and to take a sample, said sampling device comprising a horizontally extending means for supporting a sample and vertically arranged baffle means inclined to the direction of travel of the material for guiding material onto said supporting means, for aiding in the retention of said sample on said supporting means and for closing said opening when said sampling device is in its non-sampling position.

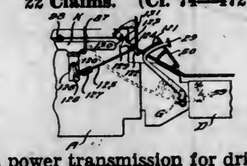
2,257,673
REPRODUCING MACHINE
Everett J. Cook, Toledo, Ohio, assignor to H. H. Buggie & Company, Toledo, Ohio, a corporation of Ohio
Application August 4, 1939, Serial No. 288,436
19 Claims. (Cl. 90—13.5)

1. In a reproducing machine, supporting means for a work blank and for a model having a surface to be reproduced in the work blank, a ram mounted for reciprocation toward and away from the supporting means, an optical system carried by the ram in a position opposite the model, a tool also carried by the ram in a position opposite the work blank, said optical system having means for projecting a beam of radiant energy on the surface of the model to be reproduced and having a light sensitive cell responsive to the flux of radiant energy reflected from the surface to control reciprocation of the ram, and means pivotally supporting the ram for swinging move-



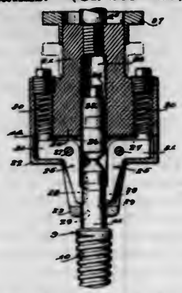
ment to provide for locating the optical unit and tool in different angular positions with respect to the model and work blank respectively.

2,257,674
POWER TRANSMISSION
William T. Dunn, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application August 28, 1940, Serial No. 354,512
22 Claims. (Cl. 74—472)



1. In a power transmission for driving a motor vehicle having an engine provided with an ignition system; an ignition control switch adapted when closed to render the ignition system operative and when opened to render the ignition system inoperative; a speed ratio varying transmission; transmission control means including a motor operable to control said transmission for step-up and step-down change in the speed ratio drive from the engine to the vehicle; electrically operating means for controlling operation of said transmission control means; and means operable in response to operation of the engine by reason of the engine being driven by the vehicle, when said ignition control switch is open, for controlling energization of said electrically operating means.

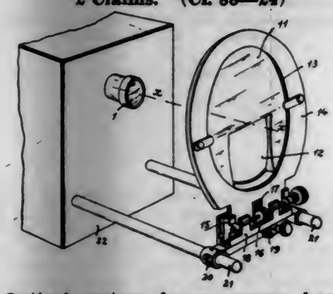
2,257,675
PLUNGER SCREW-OUT CHUCK
Harold L. Eastus, Muncie, Ind., assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application January 23, 1940, Serial No. 315,212
3 Claims. (Cl. 279—24)



1. In apparatus of the character described, a

chuck having a central vertical bore therethrough and provided with a pair of diametrically opposed slots in the lower portion thereof and with a transverse axially disposed guideway above said slots, an axial guide extending upwardly from the chuck, said slots and guideway being arranged at a right angle to each other, a pair of inverted L-shaped pivoted latches arranged in said slots and having fingers normally projecting into the bore, spring means applying top pressure to the latches for yieldingly holding the fingers so projected, an ejector pin positioned in the bore and projecting downwardly between said fingers, a cross bar mounted in said guideways above the ejector pin, a collar slidably mounted upon the guide for axial movement thereupon, and means operatively connecting the collar and cross bar.

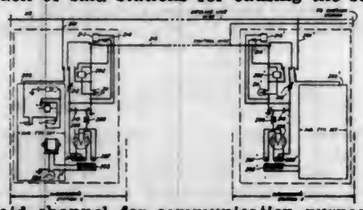
2,257,676
OPTICAL DEVICE FOR PHOTOGRAPHY
Abel Gance, Neuilly-sur-Seine, and Pierre Angénieux, Paris, France
Application November 11, 1937, Serial No. 174,110
In France July 5, 1937
2 Claims. (Cl. 88—24)



1. Optical system for a camera having the usual objective, and enclosing a sensitive surface onto which the images are transmitted by said objective; comprising the combination with the camera objective, of additional optical photographic lenses located in the same plane in front of said objective and in cooperative relation thereto and each of whose optical axis coincides substantially with that of said objective, said additional lenses dividing the field of the objective into several elementary fields in which the objects to be photographed are located in different determined planes, the focal lengths of the said optical additional lenses being respectively equal to their distance from the respective objects to be photographed so that the respective objects to be photographed by means of said optical elements respectively will optically lie in the same plane, and means to adjust en masse said additional optical lenses toward and from the objective along the axis thereof and means to adjust said additional lenses en masse in two directions at right angles to one another in a plane normal to said optical axis for purposes described.

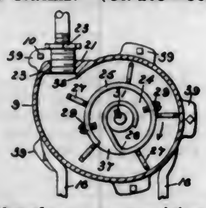
2,257,677
PRINTING TELEGRAPH SYSTEM
Clayton Goodwin, Denver, Colo., assignor to American Telephone and Telegraph Company, a corporation of New York
Application January 9, 1940, Serial No. 313,111
11 Claims. (Cl. 178—23)

1. A telegraph system comprising a main station, a plurality of stations, a communication channel connecting said stations to said main station, operable means, normally deenergized, at each of said stations for causing the seizure



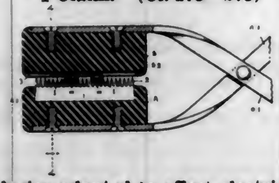
of said channel for communication purposes to the exclusion of the remaining of said stations.

2,257,678
CENTRIFUGAL PUMP
Eli M. Greenlee and Alvin Crosthwait, Newport, Ky.
Application January 14, 1941, Serial No. 374,366
3 Claims. (Cl. 103—88)



1. A centrifugal pump comprising a casing having an inlet and an outlet port, an impeller mounted in the casing and comprising a circular base, a wall extending around the greater portion of the periphery of the base and thence proceeding inwardly and curved around the central portion of the base to form a central, relatively restricted area and a single, relatively large, uninterrupted and substantially circular channel communicating therewith and providing egress only at the outer end thereof, a cover positioned over said wall and centrally apertured for admitting liquid into said central area, and fins projecting outwardly of the peripherally-disposed portions of said wall and adapted to act upon the liquid proceeding from said channel egress to carry the same to the outlet.

2,257,679
CIRCUIT CLOSER
Allan McP. Hamby, Cottage City, Md.
Application November 22, 1939, Serial No. 305,743
1 Claim. (Cl. 173—273)



In a device adapted to effect electrical contact between two insulated electric wires, the combination of a block of insulating material having a rectilinear face; a plate of conducting material having one edge serrated, mounted longitudinally of said block so that its serrations protrude beyond the said face of said block; a second block of insulating material provided with a rectilinear face in which is a longitudinal shallow concave groove; and a pair of pivoted

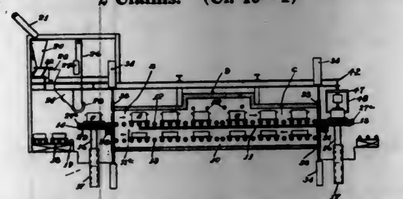
handles on which said blocks are respectively mounted in such a way that when the blocks are forced together by said handles the plate and the groove register and the pair of wires to which the device is applied are gripped by the faces of the blocks in such a way that the wires are curved to conform with the concavity of the groove and the serrated edge of the plate is caused to penetrate the insulation of the wires and simultaneously contact both wires.

2,257,680
METHOD OF PREVENTING INTERIOR FROSTING OF MULTIGLAZED UNITS
Elmer H. Haux, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application November 3, 1937, Serial No. 172,570
1 Claim. (Cl. 20—56.5)



A multi-glazed unit comprising spaced parallel sheets of glass, the spaces between the sheets containing the vapors of acetone.

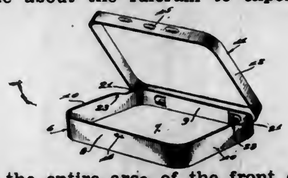
2,257,681
APPARATUS FOR MAKING CELLULAR GLASS BLOCKS
Elmer H. Haux, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application January 28, 1938, Serial No. 187,456
2 Claims. (Cl. 49—1)



2. Apparatus for making cellular glass blocks, said apparatus comprising molds for a mixture of crushed glass and a gassing material, means to charge the molds with such material, a tunnel kiln adjacent the latter means, devices in the kiln to heat the material in the molds to the sintering temperature of the glass, conveyor elements for moving the molds through the tunnel kiln while the material is being heated, a second tunnel kiln having its inlet end adjacent to the discharge end of the first-mentioned tunnel kiln, a conveyor for conducting blocks through the second tunnel kiln for annealing the blocks, means at the discharge end of the first tunnel kiln for stripping the molds from the blocks and means to transfer the stripped blocks to the second tunnel kiln.

2,257,682
BOX
Louis Hermani, Baltimore, Md., assignor to Owens-Illinois Can Company, a corporation of Delaware
Application February 18, 1938, Serial No. 191,176
1 Claim. (Cl. 220—36)

In a rectangular sheet metal container, a bottom having vertical side walls and front and rear end walls, a cover having depending side walls and front and rear end walls embracing the side and end walls of the bottom in the closed position of the cover, the overall height of the rear wall and adjacent portions of the side walls rising therefrom being less than the height of the remaining portions of the side and front walls and providing a fulcrum point in proximity to said rear wall whereby the cover is tiltable about the fulcrum to expose substan-



tially the entire area of the front end wall of the latter, and a hinge connection between the rear walls of said cover and bottom including an inwardly rolled hollow bead provided at the lower margin of the rear wall of the cover, a hinge pin extending through the bead lengthwise thereof and projecting beyond its ends and a vertically elongated bearing for each end of the hinge pin, each bearing consisting of a portion of the rear wall of the bottom section punched outwardly therefrom.

2,257,683
TICKET STACKING DEVICE
Kenneth Spangle Haywood, Oak Park, Ill., assignor to American Telephone and Telegraph Company, a corporation of New York
Application June 29, 1939, Serial No. 281,997
3 Claims. (Cl. 302—2)

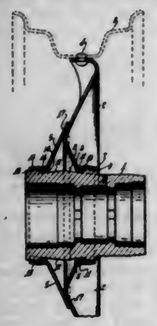


1. In a pneumatic distributing system, a discharge device for tickets including a chute of substantially rectangular cross-section of such size that one dimension of the rectangle is substantially equal to the width of the ticket and the other dimension is large enough to freely pass the ticket without permitting it to turn over, and a depositing receptacle associated with the chute having oppositely and symmetrically arranged walls forming an angle in which tickets as they pass through the chute may come to rest in nested formation, said receptacle having closed side walls connected to the chute and having a width substantially equal to that of the tickets to prevent them from being displaced laterally.

2,257,684
WHEEL STRUCTURE
Joseph L. Hecht, Davenport, Iowa, assignor to French & Hecht, Incorporated, a corporation of Iowa
Application August 24, 1939, Serial No. 291,629
11 Claims. (Cl. 301—63)

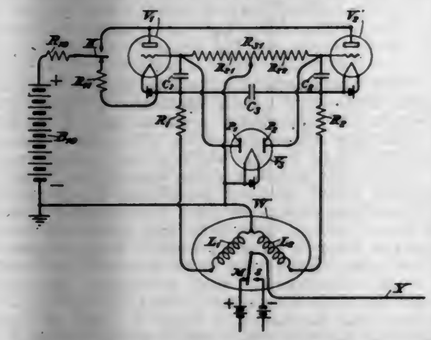
11. In a wheel structure, in combination, a hub member formed with a tapered outer bearing surface defining a wheel supporting seat, and a wheel member formed with a hub receiving opening defined by a correspondingly tapered inner

bearing surface engageable with the tapered outer seat of the hub member, said hub being free of wheel member engaging projecting surfaces at the tapered wheel seat end of larger diameter so as to receive the wheel on said tapered seat in an axial position determined only by the diameter of the seat-engaging portion of the wheel member, the tapered outer bearing surface of the hub



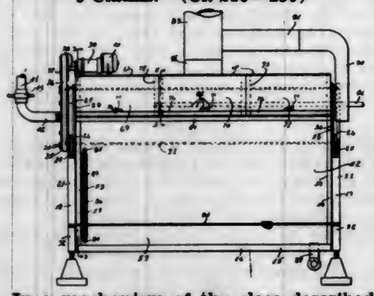
member being wedged axially into the tapered inner bearing surface of the wheel member to tension the wheel member on the hub member, and interfitting locking portions integral with said hub and wheel members offset from the bearing surfaces thereof constituting the sole securing means for said members and maintaining said parts in their wedging engagement.

2,257,685
OSCILLATION GENERATOR
John William Hidy, Pocatello, Idaho, assignor to American Telephone and Telegraph Company, a corporation of New York
Application November 15, 1939, Serial No. 304,609
7 Claims. (Cl. 250—36)



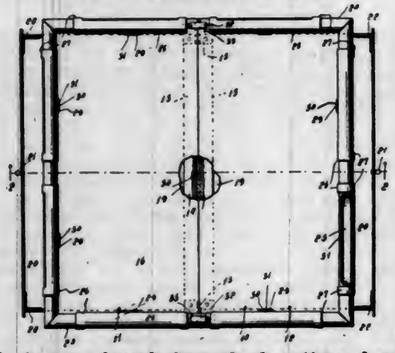
1. Apparatus for producing positive and negative pulses of current of a predetermined periodicity and for varying the ratio of the length of each positive pulse to each negative pulse without appreciably affecting the periodicity of said pulses, comprising an impedance, adjustable means for dividing said impedance into two parts corresponding respectively to the relative lengths of the positive and negative pulses, two equal condensers, means for charging said condensers, and means for independently discharging said condensers through said two parts of said impedance respectively, for periods proportional to said lengths of the positive and negative pulses.

2,257,686
STRAINER
Alvin Hock, Cincinnati, Ohio
Application September 23, 1938, Serial No. 231,400
9 Claims. (Cl. 210—199)



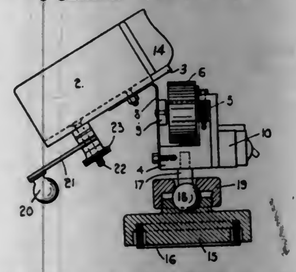
1. In a mechanism of the class described, the combination of a tank having a bottom, ends, sides and top, frame members exteriorly of the tank and adjacent the ends thereof, a perforated cylinder extending longitudinally of the tank and located intermediate the bottom and top thereof, end castings for said cylinder each having an annular trackway, means on the exterior frame members engaging the end castings annular trackway for supporting the drum for rotation, removable means for closing one end of the screen drum and including the driven member of a drum rotating transmission, means including a motion transmitting train for rotating the screen drum, means for supplying material to the interior of the drum and operable through the screen drum closure member, said drum having its other end open and forming the discharge for the material passing through the screen drum, and means associated with said screen drum for effecting the movement of the material through the drum from the closed end to the discharge end thereof.

2,257,687
BOARD
John E. Huffaker, Portland, Oreg.
Application June 20, 1940, Serial No. 341,551
2 Claims. (Cl. 273—136)



1. A game board, formed of sections, having an upstanding marginal railing extending around the game board, said railing being formed of sections connected to the upper side of the board sections, said railing being substantially semi-oval in cross section and being provided with spaced upwardly opening grooves, covers for closing or exposing said grooves, said covers being arcuately shaped in cross section and being provided with integral ring portions at the ends thereof, and said railing having arcuately shaped grooves in its underside for receiving the ring portions to position them for engaging around the railing for turnably mounting the covers thereon.

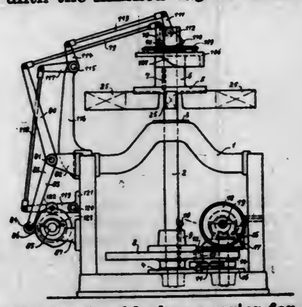
2,257,688
APPARATUS FOR KNOCKING UP SHEETS OF PAPER
Kenneth Warner Jones, Bush Hill Park, Enfield, England
Application December 8, 1939, Serial No. 308,265
In Great Britain December 3, 1938
3 Claims. (Cl. 271—89)



1. Apparatus for knocking-up superposed sheets of paper, comprising a tray on which the said sheets are superposed, said tray including a side lay and an end lay for the sheets, an electro-magnet on a mounting separate from said tray for vibrating the latter, an armature for said electro-magnet, a repeatedly interrupted supply of electric current to the winding of said electro-magnet to cause the latter to repeatedly and in rapid succession attract and release said armature, an oscillatable spring reed carrying said armature and anchored at one end to the frame of the electro-magnet and mounting the tray at its other end, said reed being tuned to the periodicity of the current and being effective when the armature is released to return the same into the position from which it was attracted, whereby the resulting rapid vibrations of the tray cause rapidly repeated contact between the sheets to be knocked-up and the lays of the tray, and an adjustably positioned weight on the tray for varying the extent of the vibrations imparted to the tray.

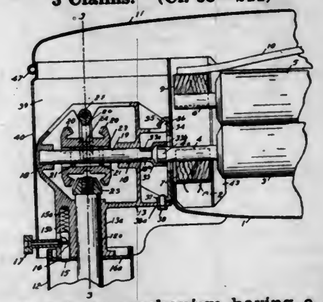
2,257,689
MACHINE FOR MANUFACTURING BAGS
Theodor Jungmayr, Stuttgart, Germany, assignor to the firm Fr. Hesser, Maschinenfabrik-Aktiengesellschaft, Stuttgart-Bad Cannstatt, Germany
Application June 15, 1940, Serial No. 340,762
In Germany March 3, 1939
10 Claims. (Cl. 93—12)

9. A machine for making bags from a cutting, comprising a plurality of folding blocks, a plurality of stations, means for moving the folding blocks to the various stations in succession, one of said stations including means for folding the cutting U-shape around a folding block so that the lateral ends of the cutting protrude beyond the upper edges of the folding block, a plurality of folders including folders for forming the protruding ends into a longitudinal seam and a folder for folding the end of the cutting forming the upper flap of the longitudinal seam, means for forming the bottom of the bag, means for stripping off the finished bag from the folding block, said last folder travelling along with the folding block, means for holding these folders in their folding position and to press them perpendicularly against the longitudinal seam of the bag until the finished bag has been stripped



off from the folding block, a carrier for the folding blocks, means for swingably mounting said folders on said carrier, a shaft for said carrier and a cam mounted for oscillation on said shaft and adapted to control the inward and outward swinging of said folders.

2,257,690
WRINGER MECHANISM
Walter L. Kauffman, II, Erie, Pa., assignor to Lovell Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application March 17, 1937, Serial No. 131,335
3 Claims. (Cl. 68—244)

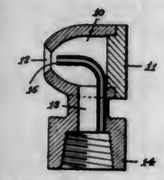


1. In a wringer mechanism having a wringer frame, rolls mounted in the frame, one of the rolls having a drive shaft, a gear mechanism for driving the drive shaft, and a head frame for supporting the wringer frame in which head frame the gear mechanism is mounted; the combination with the wringer frame of a case for the head frame mounted on and separable from the head frame with the wringer frame, and a separable cover for the case, said cover being extended to form a detachable top of the wringer frame.

2,257,691
SPRAY NOZZLE
Charles R. Keep, Norwood, Mass., assignor to B. F. Sturtevant Company, Boston, Mass.
Application November 17, 1938, Serial No. 241,006
3 Claims. (Cl. 299—115)

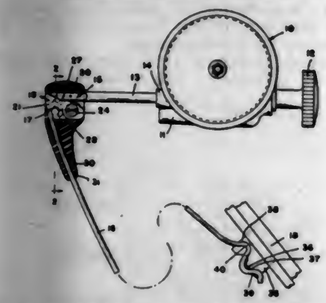
1. An air washer spray nozzle having a whirl chamber with sharply curved converging walls, said walls being cut away to form a substantially cone shaped diverging outlet to the interior of said chamber, the innermost end of said outlet

and the outermost end of said chamber meeting in substantially point contact, said chamber having a tangential liquid inlet, and a tube having its delivery end in said chamber in axial alignment with and spaced to the rear of said outlet for spraying liquid into the liquid leaving said



outlet from said chamber to provide a wide angle spray of relatively coarse droplets, the inner diameter of said outlet being substantially greater than the outer diameter of said end of said tube and said end of said tube being spaced from said outlet a distance not less than the outer diameter of said end.

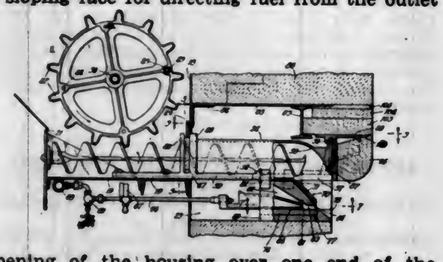
2,257,692
WINDSHIELD WIPER ARM
Homer G. Kellogg, Detroit, Mich., assignor to Motor Products Corporation, Detroit, Mich., a corporation of New York
Application August 29, 1938, Serial No. 227,411
8 Claims. (Cl. 15—255)



1. In a windshield wiper arm construction, a member having substantially parallel arms providing opposed flats for receiving the flattened end of an oscillatable shaft, means adjacent the ends of said arms for pivotally supporting a wiper arm, clamping means for causing said arms to approach for tightly clamping the end of said shaft, and an element formed of resilient material enveloping said member, said element having an apertured arm adapted to receive the wiper arm and to bias the arm toward a windshield.

2,257,693
FURNACE
George A. Kohout, Chicago, Ill.
Application May 6, 1938, Serial No. 206,337
3 Claims. (Cl. 110—105.5)

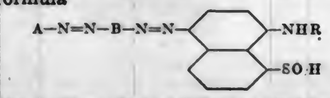
2. In a furnace of the character described a feed screw housing having a horizontally extending shelf at one end thereof, said housing having a downwardly directed outlet at the other end thereof, side flanges on said housing at the opposite sides of said downwardly directed opening and a blast block having lugs thereon adapted to rest upon the side flanges of the housing, said blast block having a sloping face for directing fuel from the outlet



opening of the housing over one end of the channel.

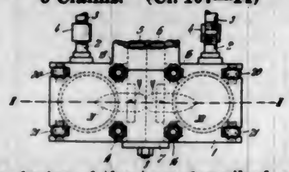
2,257,694
PROCESS FOR DYEING LEATHER
Adolf Krebser, Riehen, near Basel, Switzerland, assignor to J. R. Geigy A. G., Basel, Switzerland
No Drawing. Application April 2, 1940, Serial No. 327,520. In Switzerland April 27, 1939
12 Claims. (Cl. 8—13)

1. A method of imparting full and deep blue to black shades to leather, which comprises dyeing the leather with a disazo dyestuff of the general formula



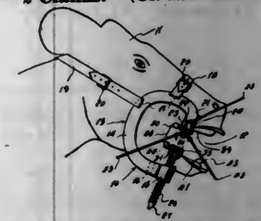
wherein A means the radical of a diphenylamine sulphonic acid, B means a naphthalene radical containing the two azo groups in p-position, and R means one member of the group consisting of alkyl- and aryl-groups of the benzene series, the number of sulphonic acid groups contained in the dyestuff molecule being at least 3.

2,257,695
WORM PRESS FOR THE MANUFACTURE OF ALIMENTARY PASTES
Emil Lihotzky, Plattling, Bavaria, Germany
Application June 4, 1940, Serial No. 338,813
In Switzerland March 23, 1939
3 Claims. (Cl. 107—14)



1. In a device of the type described, a separate casing adapted to be mounted at the delivery end of a screw press and including a pair of dough chambers formed with a pair of dough extrusion openings, a central duct for establishing a dough feeding communication from the delivery end of the press to the separate casing, a pair of connecting channels bent at right angles for connecting said dough chambers to said central duct, a control valve in the bend of each connecting channel, at least one pair of screw eyelets extending through said casing in the dough feeding direction and at points on the inner sides of the extrusion openings, a pair of mould plates for cooperation with said openings, a pair of supporting rings pivoted on said screw eyelets and forming seats for said mould plates, and means for pressing said supporting rings with their mould plates tightly against their associated extrusion openings.

2,257,696
BOVINE MOUTH SPECULUM
Henry E. Lent, Omro, Wis.
Application January 2, 1941, Serial No. 372,909
2 Claims. (Cl. 128—14)



2. A bovine mouth speculum comprising a frame having corresponding side pieces disposed at the sides of the head of a bovine, a cross bar connecting the lower portions of said side pieces and disposed beneath the chin, adjustable means for detachably mounting the frame on the head, said side pieces having downwardly extending upper ends, a plate connected to the undersides of the downwardly extending upper ends of said side pieces and disposed for engaging the upper gum, a second plate disposed within the mouth for engaging the lower gum, means for adjustably connecting said last mentioned plate to the lower ends of said side pieces for opening the mouth of the bovine and for retaining the mouth in an open position, said last mentioned means including threaded bores in the lower ends of said side pieces, screws extending through and engaging the threads of said bores, said last mentioned plate being provided with downwardly offset ends provided with elongated longitudinally disposed openings, and the upper ends of said screws being rotatably connected to said last mentioned plate through said openings and mounted to slide relatively thereto.

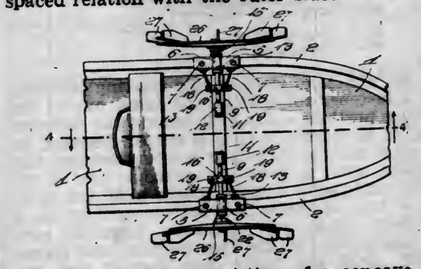
2,257,697
CONTAINER
Archie W. McClary, Oakland, Calif.
Application April 17, 1939, Serial No. 268,203
6 Claims. (Cl. 220—73)



1. A container comprising an open-ended body sheet, a backing ring of substantially rectangular cross-section, surrounding said body sheet and a cover sheet engaging said body sheet at an open end thereof, each of said sheets having an edge thereof in relative juxtaposition and folded outwardly over said backing ring, and substantially enclosing the same on three sides, said sheets being homogeneously joined together and with said ring along said juxtaposed edges.

2,257,698
MARINE PROPELLING DEVICE
John R. McComble, Newark, N. J.
Application November 27, 1940, Serial No. 367,469
1 Claim. (Cl. 115—23)

A manually propelling device for boats having a pair of spaced gunwales comprising in combination a bearing detachably connected to each gunwale, a crankshaft journalled in each bearing, a pedal connected to the inner end of each crankshaft, a paddle wheel connected to the outer end of each crankshaft and retained in spaced relation with the outer sides of the boat,



each paddle wheel consisting of a concave disc, radially extending paddles secured to the outer concave face of each disc, the outer extremities of said paddles extending beyond the outer periphery of said disc and the inner ends of said paddles terminating in spaced relation with the centre portions of said disc.

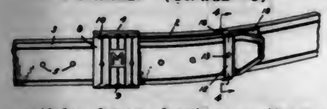
2,257,699
LUMINESCENT MATERIAL
Alfred Hamilton McKeag and Peter Whitten Ranby, North Wembley, England, assignors to General Electric Company, a corporation of New York
No Drawing. Application May 9, 1940, Serial No. 334,268. In Great Britain February 20, 1939
8 Claims. (Cl. 250—81)

1. A luminescent material comprising a tungstate of calcium and at least one other bivalent metal of the group consisting of magnesium, strontium, barium, zinc and beryllium and in which the sum of the number of calcium atoms and the number of atoms of the bivalent metal exceeds the number of tungsten atoms, said material having a lattice structure in which the said elements are so arranged as to substantially conform to the following X-ray spacings:

Spacing	Intensity
4.43	10
3.85	6
3.44	1
2.716	10
2.316	8
2.242	1
2.216	1
2.131	1
1.923	7
1.786	1
1.770	3
1.757	3
1.741	1
1.716	5
1.585	5
1.574	2
1.562	6
1.492	3
1.477	3
1.439	1
1.380	2
1.359	4
1.348	1
1.318	2
1.305	2
1.298	3

said material also containing an activator.

2,257,700
STRAP END RETAINER
Albert Meehan, Baltimore, Md.
Application June 11, 1940, Serial No. 339,977
3 Claims. (Cl. 241—8)

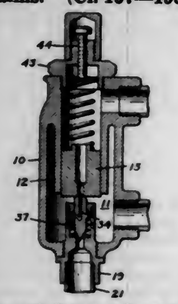


1. An article of wear having meeting portions, and a fastener for uniting the same, one of the meeting portions extending beyond the fastener so as to be normally free, a keeper disposed on the outer face of the other meeting portion and provided with a plurality of loops, and a retainer comprising a strip secured upon the outer face of said normally free portion and having a downbent upper end projecting inwardly over the upper edge of the free portion and downwardly upon the inner face thereof and engageable with any of the loops of the keeper to hold said free portion from outward movement relative to the article.

2,257,701
DERIVATIVES OF CYCLOPENTANO-PHENANTHRENE AND PROCESS FOR THE MANUFACTURE OF SAME
Robert Ernest Meyer, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application February 3, 1940, Serial No. 317,213. In Switzerland February 9, 1939
5 Claims. (Cl. 260—397.4)

1. A derivative of cyclopentanophenanthrene selected from the group consisting of hydroxymethylene derivatives of 3-oxo-and 17-oxocyclopentanophenanthrenes wherein the hydroxymethylene group is on a carobn atom adjacent to the keto group.

2,257,702
PRESSURE REGULATING AND UNLOADING VALVE
Thomas W. Murphy, Lower Merion Township, Montgomery County, Pa., assignor to Monarch Manufacturing Works, Inc., Philadelphia, Pa., a corporation of Delaware
Application July 23, 1940, Serial No. 346,894
4 Claims. (Cl. 137—153)



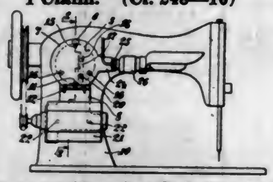
1. A valve element for use in a pressure regulating valve having a generally conical valve seat at each end thereof, an annular valve seat at an intermediate portion of the element, and the element having a passage therein effecting communication between the annular valve seat and one end of said element.

2,257,703
WINDOW CONSTRUCTION
Edmund Peremi, Manhasset, and Louis Toth, Flushing, N. Y.
Application November 2, 1938, Serial No. 238,352
11 Claims. (Cl. 189—75)



1. A jamb member for metal windows comprising a main channel member terminating at its edge towards the outside of the window in a flange formed by bending the metal in a plane parallel to the plane of the window, the flange comprising a fold of metal extending in the direction of the window opening and a single thickness of the metal extending outwardly to form an outwardly directed flange parallel with the plane of the window, and a flange forming member secured to said flange, said flange-forming member terminating at its outer edge in a lip directed outwardly with respect to the plane of the window and terminating at its inner edge in an inwardly directed flange, said inwardly directed flange terminating in an overhanging lip, said main jamb channel member being offset at a point adjacent said fold of metal so as to provide a recess cooperating with said lip on the inwardly directed flange on said flange-forming member to form a pocket for retaining a resilient sash guiding and sealing member.

2,257,704
SEWING MACHINE MOTOR AND LAMP BRACKET
Solomon Redlich, New York, N. Y., assignor to Consolidated Sewing Machine & Supply Co. Inc., New York, N. Y., a corporation of New York
Application October 10, 1940, Serial No. 360,557
1 Claim. (Cl. 248—16)



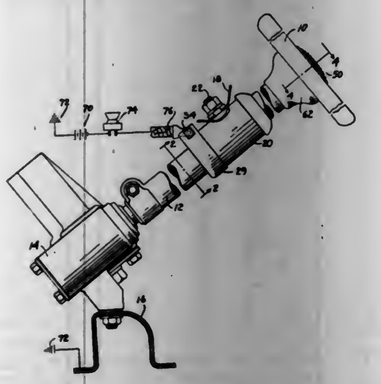
A motor mounting bracket for sewing machines, comprising a plate having an armhole covering portion at the upper end of the same and a dependent rearwardly offset motor supporting extension at the lower end of the same, said armhole covering portion having a vertical slot near the upper edge for passage of a screw for centering the bracket at the top, inwardly extending projections on the lower part of said armhole covering portion engageable over the lower edge portion of the armhole opening for centering and supporting the lower portion of the bracket over the armhole opening, a clamp lever pivotally connected at its upper end over the inner central section of the armhole covering section and having its lower end inwardly offset to hook in over the lower edge of the armhole opening, screw means extending through said armhole covering portion of the plate into said clamp lever for swinging the lever about its pivotal mounting outwardly into firm clamping engagement with the edge portion of the armhole opening, said screw means being accessible at the outer face of the bracket for tightening the same whenever required and means on the lower motor supporting extension of the plate, below said screw means for enabling adjustable mounting of a sewing machine motor thereon.

2,257,705
SUCTION CLEANER HOSE AND COUPLING
Arthur W. Seyfried, Racine, Wis., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application May 27, 1940, Serial No. 337,350
4 Claims. (Cl. 285—97.7)



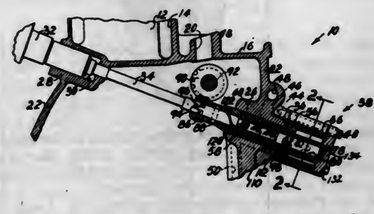
1. A suction cleaner hose having a coupling on at least one end thereof, said coupling comprising a pair of nested tubular members, the major portion of the outer tubular member having a diameter for snugly engaging the inner wall of the hose and being secured thereto, the major portion of the inner tubular member having a diameter for rotatable engagement with said first major portion, said tubular members being inwardly offset at corresponding ends inwardly of the end of the hose and providing relatively short rotatably engaged cylindrical extensions of the respective major portions and of less diameter than said respective major portions, and a flange on one of said extensions in rotatable contact with the end of the other extension.

2,257,706
HORN SWITCH
Joseph F. Sladky, Racine, Wis., assignor to Nash-Kelvinator Corporation, Kenosha, Wis., a corporation of Maryland
Application October 21, 1939, Serial No. 300,492
6 Claims. (Cl. 200—59)



1. In a steering post assembly, an instrument panel, a tube fixed to said panel, a steering column journaled in said tube, a collar having an inturned flange and clamped to said tube but insulated therefrom, one terminal of a horn circuit attached to said collar, and means comprising a metallic finger slideable longitudinally within said column and having a finger projecting from the side thereof for electrically connecting said collar with said steering column.

2,257,707
OIL PUMP
Joseph F. Sladky, Racine, Wis., assignor to Nash Kelvinator Corporation, Kenosha, Wis., a corporation of Maryland
Application August 19, 1940, Serial No. 353,217
8 Claims. (Cl. 184—6)



1. In combination with an internal combustion engine having a wall defining an aperture, a pump body having a hollow cylindrical boss extending therefrom and extending through said aperture, a pump shaft journaled in said boss, a gear secured to said shaft and bearing on the end of said boss, means for conducting oil from the discharge side of said pump along said shaft to within said boss, a groove cut in said shaft, the end of said boss defining an aperture arranged to communicate with said groove at each revolution of said shaft, and a driving gear arranged to drive the gear on said shaft, the aperture in the end of said boss being arranged to direct a jet of oil against said driving gear.

2,257,708
METHOD OF WORKING AND HEAT TREATING CU-BE ALLOYS
Louis L. Stott, Reading, Pa., assignor to Beryllium Corporation, a corporation of Delaware
No Drawing. Application June 2, 1939, Serial No. 276,989
2 Claims. (Cl. 148—11.5)

1. The method of producing a spring wire from an age-hardenable and cold-workable copper base alloy containing from .3–3.0% Be balance mainly copper which comprises mechanically deforming the alloy to wire form of a size materially larger than the desired final size, heating the same to an age-hardening temperature within the range 482–538° C. for a time interval at least sufficient to over-age the said alloy to a degree producing a hardness materially less than the maximum hardness obtained at the temperature of heating, and then strain hardening the material by mechanically deforming the wire at a cold working temperature to the desired final size, the extent of said strain hardening being approximately that required to increase the hardness of the overaged alloy to a value approximating the maximum hardness value obtainable on heating to said age hardening temperature.

2,257,709
DENTAL APPLIANCE
Louis P. Anderson, Villa Park, Ill.
Application October 14, 1938, Serial No. 234,971
1 Claim. (Cl. 128—260)

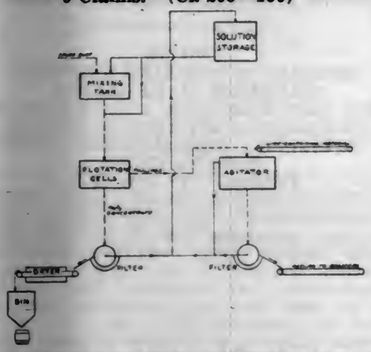
A dental appliance comprising a flexible chan-

nel-shaped body member having sidewalls and a connecting wall of substantially equal thickness arranged to encase all of the teeth projecting from a human jaw in spaced relation from said teeth, said sidewalls having substantially the same height along their entire length, walls at the ends of said body member extending from said connecting wall to the tops of said sidewalls, relatively thinner flexible flaps continuing upwardly from the sidewalls of said body member



having inner faces engageable along substantially their entire length and width with the gums adjacent said teeth for retaining said body member in said spaced relation therewith, and a plurality of fingers projecting inwardly from the walls of said body member and adapted normally to engage a tooth surface at their ends, said fingers being arranged to rub against a portion of a surface adjacent the fingers to cleanse the surface when said body member is flexed.

2,257,710
TREATMENT OF METALLURGICAL DUSTS CONTAINING ARSENIC
Frederick Ratcliffe Archibald, Duparquet, Quebec, Canada, assignor to Beattie Gold Mines (Quebec) Limited, Duparquet, Quebec, Canada
Application May 8, 1940, Serial No. 333,941
9 Claims. (Cl. 209—166)

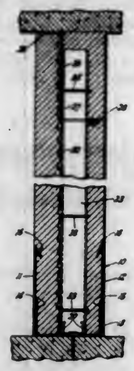


1. A method of treating metallurgical dust containing SO_3 and arsenic oxide for the recovery of the latter in substantially pure form which comprises subjecting the dust to a froth flotation operation in the presence of a solution formed by agitating such dust in the presence of water.

2,257,711
INSECTICIDE
Ivor M. Colbeth, East Orange, N. J., assignor to The Baker Castor Oil Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application August 31, 1938, Serial No. 227,687
4 Claims. (Cl. 167—22)

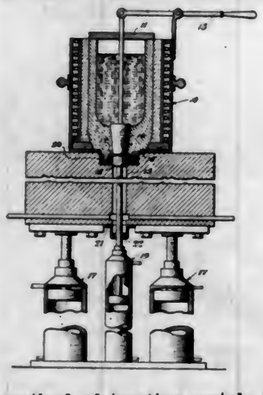
1. An insecticide comprising the distillate obtained by dry distilling castor oil at a temperature between 260° C. and 300° C.

2,257,712
WALL CONSTRUCTION
Dean De Forest Crandell, Buffalo, and James J. Ryan, Kenmore, N. Y., assignors to National Gypsum Company, Buffalo, N. Y.
Application November 1, 1939, Serial No. 302,348
3 Claims. (Cl. 72—46)



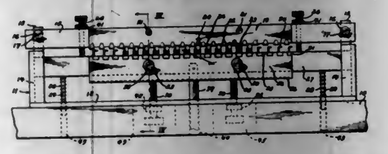
3. A partition wall comprising a plurality of spaced studs, restraining elements cooperating with the upper and lower ends of said studs, the element for said upper ends comprising a Z-bar having a lower flange providing spaced openings for reception of the upper ends of said studs, the configuration of said Z-bar permitting the upper ends of said studs to be completely embedded in a body of contacting plaster, and means carried by said studs supporting wall surfacing material.

2,257,713
METAL TREATING
Jean Hubert Louis De Bats, East Orange, N. J.
Application October 19, 1940, Serial No. 361,851
10 Claims. (Cl. 22—212)



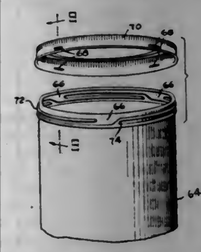
1. The method of treating metals to produce sound castings of uniform predetermined purity which comprises, providing in an enclosed vessel a body of molten metal of predetermined purity free from gas inclusions, pouring the metal from the bottom into a mold in a solid column the full size of the mold with substantially the speed at which the metal falls by gravity but without space separation of the metal, partially solidifying the metal to form a retaining shell the full length of the casting, and thereafter forcing a cooling gas through the shrinkage space from one end to the other between the mold and casting to accelerate the normal rate of solidification.

2,257,714
BINDING MACHINE
Charles Edward Emmer, Chicago, Ill., assignor to General Binding Corporation, Chicago, Ill., a corporation of Illinois
Application April 3, 1940, Serial No. 327,571
14 Claims. (Cl. 11—1)



8. A machine for spreading open the rings of plastic bindings comprising a stationary frame, a first row of hooks movably mounted on said frame and adapted to engage the longitudinally extending backbone of a plastic binding, a second row of hooks movably mounted on said frame and located in position to lie between the rings of said bindings and having their ends extending in a direction parallel to said backbone, means for first moving said two rows of hooks together in a direction transverse to said backbone and for thereafter moving said second row of hooks away from said first row of hooks, and cam means for moving said first row of hooks longitudinally simultaneously with the transverse movement thereof, said cam means comprising oblique pin and slot connections.

2,257,715
SNAP LOCK COVER CAN
Arthur G. Hopkins, Maspeth, N. Y., assignor to National Can Corporation, a corporation of Delaware
Application June 1, 1938, Serial No. 211,108
6 Claims. (Cl. 220—60)



6. A sheet metal can and a snap lock cover therefor, said can comprising a can body with a circular or non-helical ridge on said can body near the upper end thereof, said ridge being interrupted at more than two points to form gaps in said ridge, said cover having a peripheral flange and said flange being provided at more than two points with inwardly projecting nibs adapted to be forced over the aforesaid ridge in order to hold the cover in place, the width of the gaps being approximately equal to the peripheral dimension of the nibs, the peripheral space between any two adjacent gaps on the body being different from the peripheral space between any two adjacent nibs on the cover, thereby avoiding registration of the nibs and gaps when forcing the nibs over the ridge.

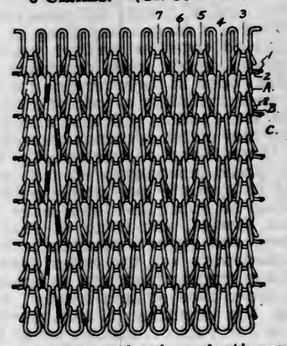
2,257,716
METHOD OF BLEACHING FIBERS OF VEGETABLE ORIGIN
Hans O. Kauffmann, Eggertsville, N. Y., assignor to Buffalo Electro-Chemical Company, Inc., Buffalo, N. Y.
No Drawing. Application May 10, 1939, Serial No. 272,913
8 Claims. (Cl. 8—111)

1. The method of treating fibers of vegetable origin in the gray state, which comprises impregnating the fiber with less than about 150% of an alkaline bleaching solution comprising a percompound and a soap based on the weight of the fiber and subjecting the so impregnated fiber to heat while preventing any substantial evaporation therefrom.

2,257,717
MANUFACTURE AND PURIFICATION OF UREA DERIVATIVES
John F. Olin, Grosse Ile, Mich., assignor to Sharples Chemicals Inc., a corporation of Delaware
No Drawing. Application March 24, 1941, Serial No. 384,951
6 Claims. (Cl. 260—553)

1. A process of producing alkyl derivatives of urea which comprises reacting an alkyl amine with urea by heating a mixture of said alkyl amine and urea to a temperature between 100° C. and the decomposition temperature of the desired alkyl urea and thereby producing a reaction mixture containing an alkyl urea reaction product and unchanged urea, and thereafter separating the alkyl urea reaction product from the unchanged urea by extracting the alkyl urea reaction product from said unchanged urea with an aliphatic ketone containing between 3 and 9 carbon atoms at a temperature at which said alkyl urea is soluble in said ketone but at which the unchanged urea is insoluble in said ketone.

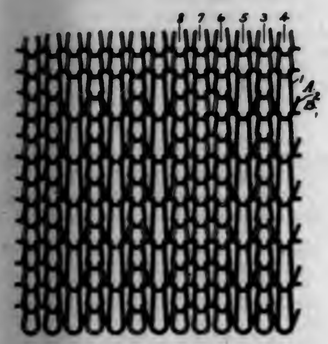
2,257,718
KNITTED FABRIC AND METHOD
William L. Smith, Jr., Pawtucket, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application February 5, 1940, Serial No. 317,255
6 Claims. (Cl. 66—172)



1. A knitted fabric having elastic yarn incor-

porated therein along with non-elastic yarns knitted in alternating courses, the elastic yarn and one non-elastic yarn being drawn into knitted stitches at alternate wales in a course and tucked at intermediate wales and the other non-elastic yarn being knitted in alternate wales and combined in intermediate wales with the tuck stitches of the two yarns aforesaid.

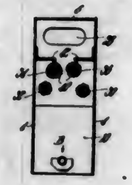
2,257,719
KNITTED FABRIC AND METHOD
William L. Smith, Jr., Pawtucket, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application February 17, 1940, Serial No. 319,451
5 Claims. (Cl. 66—172)



1. An elastic knee section for a stocking having incorporated therein elastic and non-elastic yarn, the elastic yarn being knitted at spaced courses and at certain vertically disposed, laterally spaced panels being alternately knitted independently in spaced wales, and in intermediate wales being formed into tucked stitches in conjunction with the non-elastic yarn, and at intermediate panels the elastic yarn being knitted independently in each of several adjacent wales.

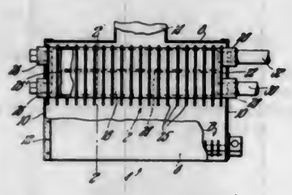
2,257,720
WATER HEATER
Homer D. Dufault, Easthampton, Mass., assignor to Holyoke Heater Company, Holyoke, Mass., a corporation of Massachusetts
Application January 18, 1940, Serial No. 314,467
1 Claim. (Cl. 122—356)

A unitary water heater for insertion in the compartment of a range comprising in combination, connected together vertical end and side and horizontal upper walls providing a closed compartment open at its lower side for a burner, said end walls including a pair of spaced headers, one of said headers provided with lower and upper inlet and outlet openings therethrough at one side thereof and a substantially vertically extending closed passageway on the outer face thereof at its opposite side with openings leading thereinto at upper and lower ends from the inside face thereof, the other of said headers having lower and upper substantially horizontal closed passageways on the outer face thereof with openings leading thereinto at opposite ends from the inner face of said header, and tubes connecting the openings of said headers, the openings of the pair of headers being generally opposite one another providing a continuous water circuit between said inlet and outlet openings including the tubes and openings and passageways of both headers with said openings, the tubes and passageways being relatively elevated and disposed whereby water may circulate alternately through said tubes and passageways and generally upwardly from said inlet to outlet



opening, a portion of an end wall extending above the header being provided with a flue opening, and baffles extending inwardly from said side walls above the uppermost tubes but below the flue opening and having inner marginal edges spaced apart providing a space therebetween.

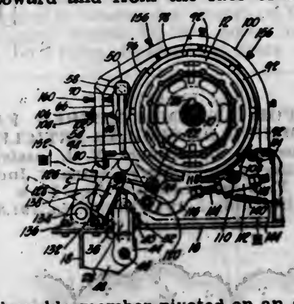
2,257,721
GAS WATER HEATER
Homer D. Dufault, Easthampton, Mass., assignor to Holyoke Heater Company, Holyoke, Mass., a corporation of Massachusetts
Application November 25, 1940, Serial No. 367,037
3 Claims. (Cl. 122—356)



1. A unitary water-heating assembly adapted to be inserted in and removable from a compartment of a stove-range comprising in combination, a casing having top, side and end walls providing upper water member and lower burner spaces with one of said walls provided with a flue outlet, a burner in the lower space of the casing, a hollow longitudinally extending water member having top, side, end and bottom walls, means associated with the end walls of said member extending through the end walls of the casing supporting said member in the upper part of the casing with its end walls adjacent the end walls of the casing and the top and side walls thereof spaced from corresponding walls of said casing, fins spaced longitudinal of the water member extending from its top and side walls terminating closely adjacent the adjacent walls of the casing co-operating with the side and top walls of said casing and member and forming separate passageways at the top and opposite sides of the member in communication with said burner space of the casing, and water connections at top and bottom of one end wall of said water member.

2,257,722
HEAVY DUTY BRAKE
August R. Maier, Dallas, Tex., assignor to Oil Well Supply Company, a corporation of New Jersey
Application July 27, 1939, Serial No. 286,902
13 Claims. (Cl. 188—77)

1. A brake comprising a drum, a band having respective dead and live end portions, a brake shoe connected with the dead end portion thereof for coaction with said drum, contracting means pivotally mounted on a fixed support adjacent the drum for actuating said shoe and said band, connecting means between said shoe and said contracting means, an anchorage connected with said band and said shoe, a link supporting said anchorage with freedom for limited movement toward and from the face of said drum,



and a knuckle member pivoted on an axis transverse to the drum axis constituting a bearing for said link.

DESIGNS

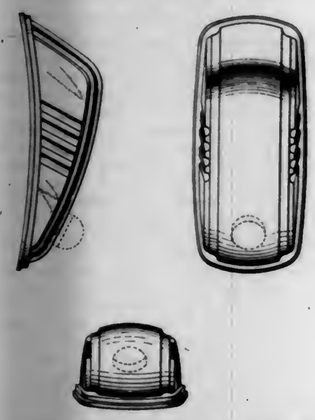
SEPTEMBER 30, 1941

129,697
DESIGN FOR AN EMBROIDERED FABRIC TRIMMING OR SIMILAR ARTICLE
Jean Aemisegger, Bergenfield, N. J., assignor to Record Lace & Embroidery Company, Inc., New York, N. Y., a corporation of New York
Application July 3, 1941, Serial No. 101,888
Term of patent 3½ years



The ornamental design for an embroidered fabric trimming or similar article, as shown and described.

129,698
DESIGN FOR A LAMP LENS
Robert Cadwallader, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application December 19, 1940, Serial No. 97,440
Term of patent 7 years



The ornamental design for a lamp lens, substantially as shown and described.

129,699
DESIGN FOR A GLOBE FOR LIGHTING FIXTURES
John Cidissen, New York, N. Y.
Application June 19, 1941, Serial No. 101,573
Term of patent 14 years



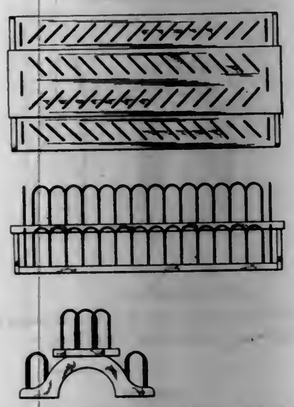
The ornamental design for a globe for lighting fixtures, as shown.

129,700
DESIGN FOR A SHOE SOLE
Harry Crossman, Brookline, Mass., assignor to Panther-Panco Rubber Co. Inc., Chelsea, Mass., a corporation of Massachusetts
Application July 30, 1940, Serial No. 94,039
Term of patent 14 years



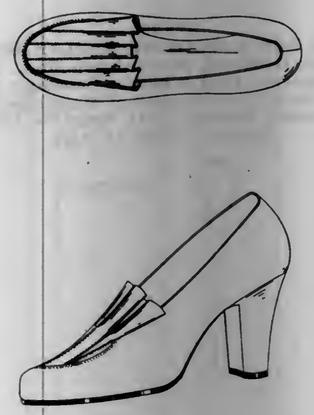
The ornamental design for a shoe sole, as shown.

129,701
DESIGN FOR A BOLT RACK
William Daines, Jr. and Howard E. Makin, Logan, Utah
Application July 8, 1941, Serial No. 101,960
Term of patent 14 years



The ornamental design for a bolt rack, as shown.

129,702
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Irving E. Grossmann, Stamford, Conn.
Application August 13, 1941, Serial No. 102,810
Term of patent 3½ years



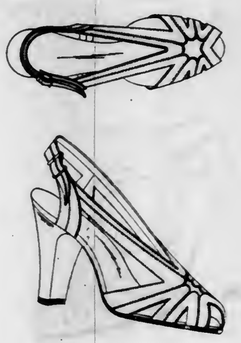
The ornamental design for a shoe or similar article, substantially as shown.

129,703
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Irving E. Grossmann, Stamford, Conn.
Application August 13, 1941, Serial No. 102,811
Term of patent 3½ years



The ornamental design for a shoe or similar article, substantially as shown.

129,704
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Irving E. Grossmann, Stamford, Conn.
Application August 13, 1941, Serial No. 102,812
Term of patent 3½ years



The ornamental design for a shoe or similar article, substantially as shown.

129,705
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Irving E. Grossmann, Stamford, Conn.
Application August 13, 1941, Serial No. 102,813
Term of patent 3½ years



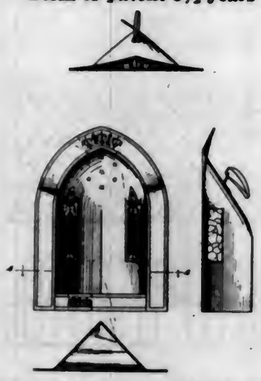
The ornamental design for a shoe or similar article, substantially as shown.

129,706
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Irving E. Grossmann, Stamford, Conn.
Application August 13, 1941, Serial No. 102,814
Term of patent 3½ years



The ornamental design for a shoe or similar article, substantially as shown.

129,707
DESIGN FOR A MINIATURE SHRINE
Erwin Herz, New York, N. Y., assignor to Reproducta, Inc., New York, N. Y.
Application June 7, 1941, Serial No. 101,346
Term of patent 3½ years



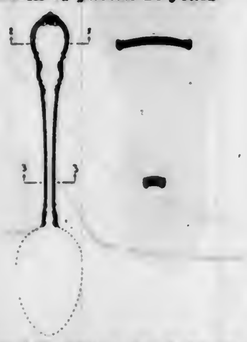
The ornamental design for a miniature shrine, substantially as shown and described.

129,708
DESIGN FOR A STUD BUTTON OR SIMILAR ARTICLE
Emanuel Jacobstein, New York, N. Y.
Application July 12, 1941, Serial No. 102,079
Term of patent 3½ years



The ornamental design for a stud button or similar article, substantially as shown and described.

129,709
DESIGN FOR A SPOON OR SIMILAR ARTICLE
Frederick W. Koons, Bernardston, Mass., assignor to Rogers, Lunt & Bowlen Company, Greenfield, Mass., a corporation of Massachusetts
Application August 7, 1941, Serial No. 102,716
Term of patent 14 years



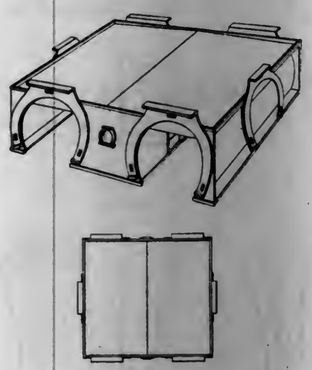
The ornamental design for a spoon or similar article, substantially as shown.

129,710
DESIGN FOR A BRIDGE FOR AN OPHTHALMIC MOUNTING
Henry J. Langknecht, Rochester, N. Y., assignor to Shuron Optical Company, Inc., Geneva, N. Y., a corporation of New York
Application July 24, 1941, Serial No. 102,448
Term of patent 14 years



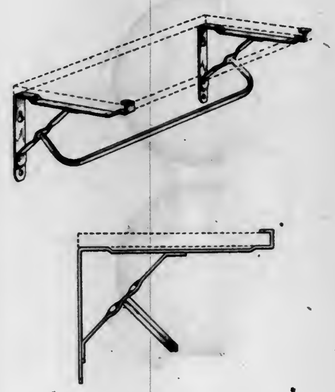
The ornamental design for a bridge for an ophthalmic mounting, substantially as shown and described.

129,711
DESIGN FOR AN OIL SERVICE STATION BUILDING
Frank J. McNulty, Los Angeles, Calif.
Application June 2, 1941, Serial No. 101,261
Term of patent 14 years



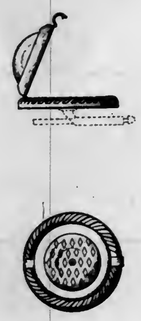
The ornamental design for an oil service station building, as shown.

129,712
DESIGN FOR A COMBINATION SHELF, BRACKETS, AND TOWEL HOLDER
Roy S. Sanford, Oakville, Conn., assignor to The Autoyre Company, Incorporated, Oakville, Conn., a corporation of Connecticut
Application December 23, 1940, Serial No. 97,562
Term of patent 7 years



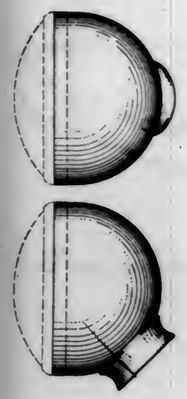
The ornamental design for a combination shelf, brackets, and towel holder, substantially as shown and described.

129,713
DESIGN FOR A COMBINED STUD BUTTON AND PICTURE FRAME OR SIMILAR ARTICLE
Morris Shuwarger, Los Angeles, Calif.
Application July 12, 1941, Serial No. 102,089
Term of patent 3½ years



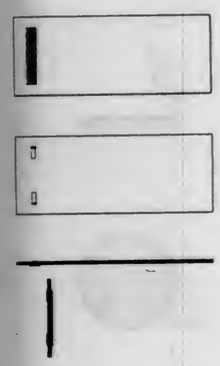
The ornamental design for a combined stud button and picture frame or similar article substantially as shown and described.

129,714
DESIGN FOR A COMBINATION LAMP AND ATTACHING BRACKET
Clifford Sklarek, Los Angeles, Calif.
Application November 29, 1940, Serial No. 96,951
Term of patent 7 years



The ornamental design for a combination lamp and attaching bracket, as shown and described.

129,715
DESIGN FOR A BLOTTER UNIT
Martin E. Trollen, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn., a corporation of Minnesota
Application February 7, 1940, Serial No. 90,087
Term of patent 14 years



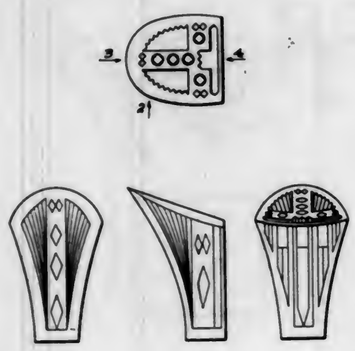
The ornamental design for a blotter unit, as shown and described.

129,716
DESIGN FOR A COMBINATION DRIVER'S LICENSE RECEPTACLE AND KEY CHAIN
Martin E. Trollen, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn., a corporation of Minnesota
Application September 7, 1940, Serial No. 94,846
Term of patent 14 years



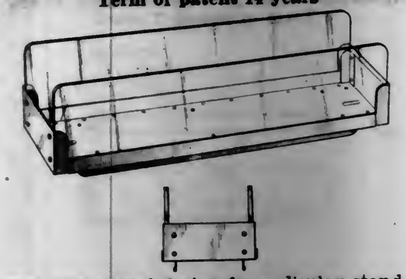
The ornamental design for a combination driver's license receptacle and key chain, as shown and described.

129,717
DESIGN FOR A PLASTIC SHOE HEEL
Earl S. Tupper, Leominster, Mass.
Application October 7, 1940, Serial No. 95,683
Term of patent 7 years



The ornamental design for a plastic shoe heel, as shown.

129,718
DESIGN FOR A DISPLAY STAND
William B. West, Canajoharie, N. Y., assignor to Beech-Nut Packing Company, Canajoharie, N. Y., a corporation of New York
Application September 16, 1940, Serial No. 95,095
Term of patent 14 years



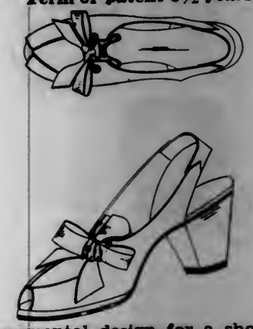
The ornamental design for a display stand, as shown.

129,719
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Schuyler A. Wood, Dolgeville, N. Y.
Application August 13, 1941, Serial No. 120,815
Term of patent 3½ years



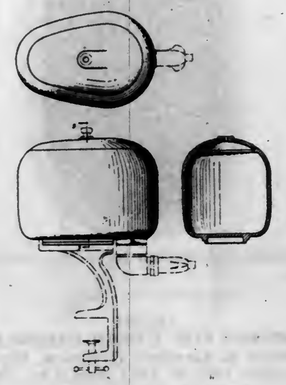
The ornamental design for a shoe or similar article, substantially as shown.

129,720
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Schuyler A. Wood, Dolgeville, N. Y.
Application August 13, 1941, Serial No. 102,817
Term of patent 3½ years



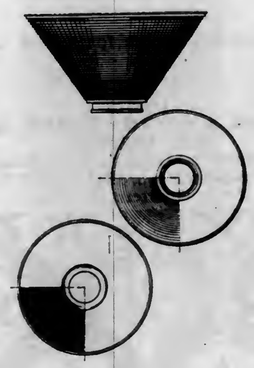
The ornamental design for a shoe or similar article, substantially as shown.

129,721
DESIGN FOR A BEVERAGE DISPENSER
Ramon Wyer, New York, N. Y., assignor to Canada Dry Ginger Ale, Inc., a corporation of Delaware
Application May 9, 1941, Serial No. 100,868
Term of patent 7 years



The ornamental design for a beverage dispenser, as shown and described.

129,722
DESIGN FOR A LAMP SHADE
Nicholas V. D. Brock, Santa Ana, Calif.
Application November 29, 1939, Serial No. 88,560
Term of patent 3½ years



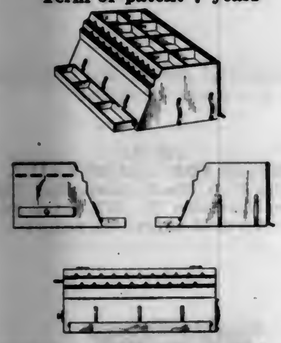
The ornamental design for a lamp shade, as shown.

129,723
DESIGN FOR A RUG
Grover C. Carter and Frank D. Rohan, Oakland, Calif.
Application February 10, 1941, Serial No. 98,874
Term of patent 14 years



The ornamental design for a rug, substantially as shown.

129,724
DESIGN FOR A DESK CABINET
Roscoe R. Gardner, Glenrock, Wyo.
Application July 26, 1941, Serial No. 102,513
Term of patent 7 years



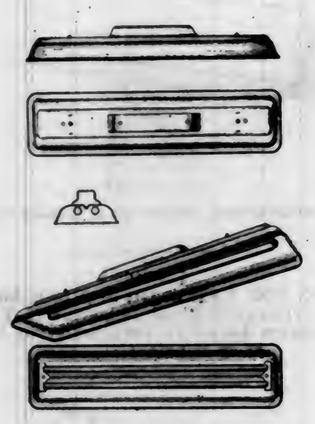
The ornamental design for a desk cabinet, as shown.

129,725
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
August Hafner, Whitestone, Long Island, N. Y.
Application September 5, 1941, Serial No. 103,161
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, as shown.

129,726
DESIGN FOR A FLUORESCENT LAMP FIXTURE
Kenneth R. Scribner, Beverly, Mass., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application April 26, 1940, Serial No. 91,975
Term of patent 7 years



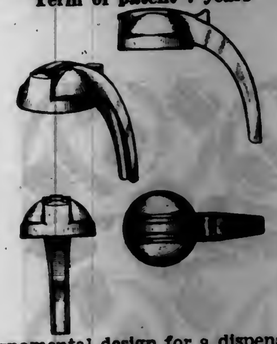
The ornamental design for a fluorescent lamp fixture, as shown.

129,727
DESIGN FOR A HOOD OR SIMILAR ARTICLE
Frank J. Wengen, Milwaukee, Wis., assignor to Eagle Knitting Mills, Inc., Milwaukee, Wis., a corporation of Wisconsin
Application March 3, 1941, Serial No. 99,295
Term of patent 7 years



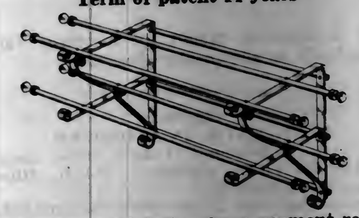
The ornamental design for a hood or similar article, substantially as shown.

129,728
DESIGN FOR A DISPENSER CLOSURE TOP OR SIMILAR ARTICLE
Rudolph Bernhardt, Chicago, Ill.
Application January 27, 1941, Serial No. 98,411
Term of patent 7 years



The ornamental design for a dispenser closure top or similar article, substantially as shown.

129,729
DESIGN FOR A GARMENT RACK
Omar L. Collins, South Bend, Ind.
Application August 14, 1941, Serial No. 102,847
Term of patent 14 years



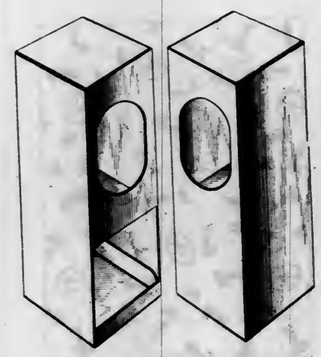
The ornamental design for a garment rack, as shown.

129,730
DESIGN FOR A BAR BOTTLE OR ARTICLE OF SIMILAR NATURE
T. Clarence Heisey, Newark, N. J., assignor to A. H. Heisey & Company, Newark, Ohio, a corporation of Ohio
Application April 29, 1941, Serial No. 100,683
Term of patent 3½ years



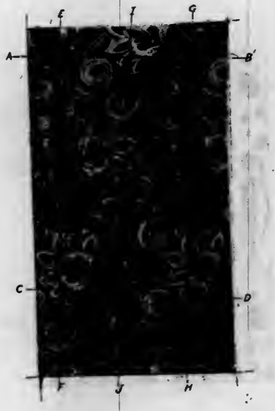
The ornamental design for a bar bottle or article of similar nature, substantially as shown.

129,731
DESIGN FOR A CARTON
James Grayson Luttrell, Baltimore, Md., assignor to McCormick & Co., Incorporated, Baltimore, Md., a corporation of Maryland
Application June 25, 1941, Serial No. 101,664
Term of patent 7 years



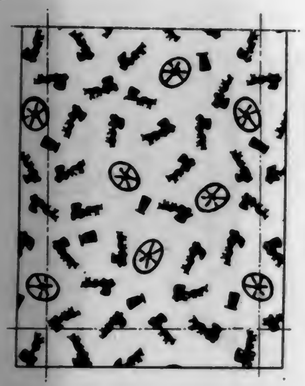
The ornamental design for a carton, substantially as shown.

129,732
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Willard D. Roberson, New York, N. Y., assignor to Yale Fabrics Corp., New York, N. Y.
Application September 9, 1941, Serial No. 103,263
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, substantially as shown and described.

129,733
DESIGN FOR A TEXTILE FABRIC
Samuel Bernard Schaeffer, Jackson Heights, N. Y.
Application September 5, 1941, Serial No. 103,167
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

129,734
DESIGN FOR A TEXTILE FABRIC
Samuel Bernard Schaeffer, Jackson Heights, N. Y.
Application September 5, 1941, Serial No. 103,168
Term of patent 3½ years



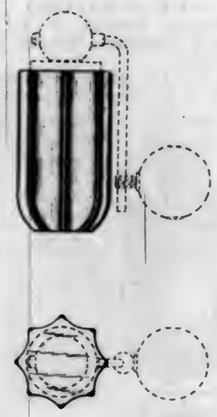
The ornamental design for a textile fabric, substantially as shown and described.

129,735
DESIGN FOR A TEXTILE FABRIC
Samuel Bernard Schaeffer, Jackson Heights, N. Y.
Application September 5, 1941, Serial No. 103,169
Term of patent 3½ years



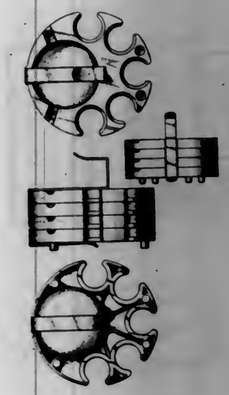
The ornamental design for a textile fabric, substantially as shown and described.

129,736
DESIGN FOR AN ATOMIZER
Frederic A. Vuillemenot, Toledo, Ohio, assignor to The De Vilbiss Company, Toledo, Ohio, a corporation of Ohio
Application July 2, 1941, Serial No. 101,858
Term of patent 7 years



The ornamental design for an atomizer, substantially as shown and described.

129,737
DESIGN FOR A COMBINATION TOKEN AND ASH HOLDER
Frank L. Weiss, New York, N. Y.
Application January 11, 1941, Serial No. 97,973
Term of patent 7 years



The ornamental design for a combination token and ash holder, as shown and described.

129,738
DESIGN FOR A BARRETTE
Siegfried Behr, Flushing, N. Y., assignor to Ben Hur Products, Inc., New York, N. Y., a corporation of New York
Application August 5, 1941, Serial No. 102,687
Term of patent 3½ years



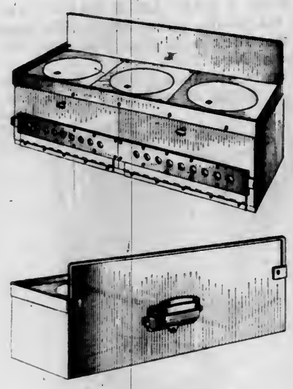
The ornamental design for a barrette as shown.

129,739
DESIGN FOR A BARRETTE
Siegfried Behr, Flushing, N. Y., assignor to Ben Hur Products, Inc., New York, N. Y., a corporation of New York
Application August 5, 1941, Serial No. 102,688
Term of patent 7 years



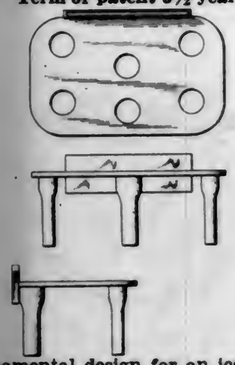
The ornamental design for a barrette, as shown.

129,740
DESIGN FOR A STOVE
William R. Chamberlain, Mount Vernon, N. Y.
Application July 17, 1941, Serial No. 102,204
Term of patent 14 years



The ornamental design for a stove, as shown.

129,741
DESIGN FOR AN ICE-CREAM CONE TRAY OR SIMILAR ARTICLE
Frederick E. Clark and Willie D. Marshall, Ringgold, Va.; said Marshall assignor to T. H. Gough, Ringgold, Va.
Application July 7, 1941, Serial No. 101,928
Term of patent 3½ years



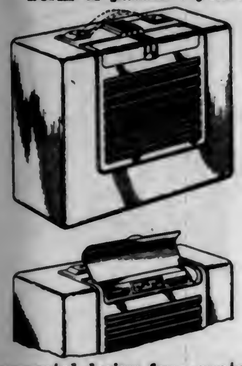
The ornamental design for an ice-cream cone tray or similar article, as shown.

129,742
DESIGN FOR A BADGE OR THE LIKE
Mary Margaret Greer and Charles C. Greer, Johnstown, Pa.
Application August 5, 1941, Serial No. 102,698
Term of patent 7 years



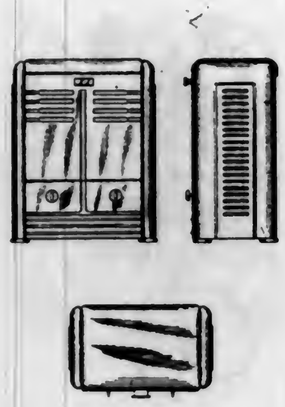
The ornamental design for a badge or the like, substantially as shown and described.

129,743
DESIGN FOR A PORTABLE RADIO RECEIVER
Clarence Karstadt, Glen Ellyn, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application September 3, 1940, Serial No. 94,773
Term of patent 7 years



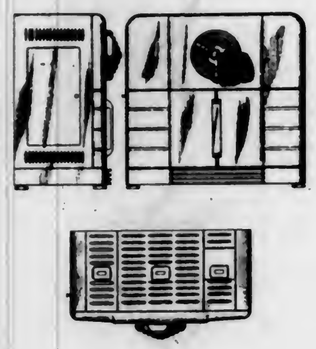
The ornamental design for a portable radio receiver, substantially as shown and described.

129,744
DESIGN FOR A HEATER
Ralph E. Kruck, Springfield, Mass., assignor to Florence Stove Company, Gardner, Mass., a corporation of Massachusetts
Application May 24, 1941, Serial No. 101,134
Term of patent 7 years



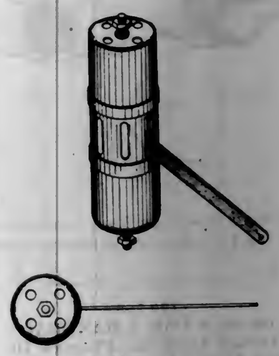
The ornamental design for a heater, as shown and described.

129,745
DESIGN FOR A HEATER
Ralph E. Kruck, Springfield, Mass., assignor to Florence Stove Company, Gardner, Mass., a corporation of Massachusetts
Application May 24, 1941, Serial No. 101,136
Term of patent 7 years



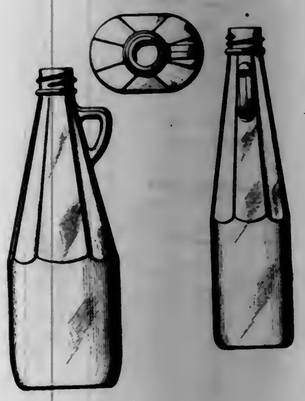
The ornamental design for a heater, as shown and described.

129,746
DESIGN FOR A DAMPER OPERATOR
Homer E. Malone, Milwaukee, Wis., assignor to Perfex Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application January 27, 1941, Serial No. 98,401
Term of patent 7 years



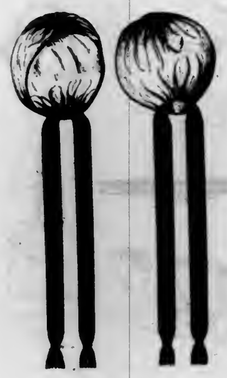
The ornamental design for a damper operator, substantially as shown.

129,747
DESIGN FOR A BOTTLE
James Harley Nash, New York, N. Y., assignor to General Foods Corporation, New York, N. Y., a corporation of Delaware
Application July 11, 1941, Serial No. 102,037
Term of patent 14 years



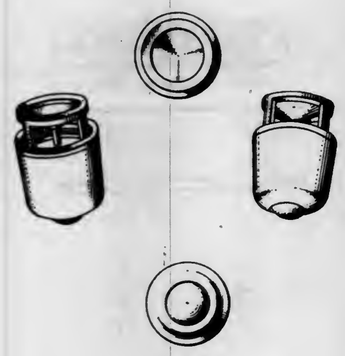
The ornamental design for a bottle, as shown.

129,748
DESIGN FOR A HAT OR SIMILAR ARTICLE
Morton A. Oppenheimer, Philadelphia, Pa.
Application August 15, 1941, Serial No. 102,851
Term of patent 7 years



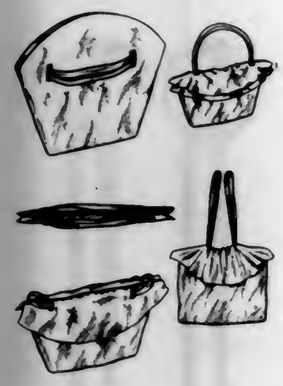
The ornamental design for a hat or similar article, as shown.

129,749
DESIGN FOR AN INNER SEAL FOR BOTTLES
James W. Wandell, Hoboken, N. J.
Application May 5, 1941, Serial No. 100,780
Term of patent 14 years



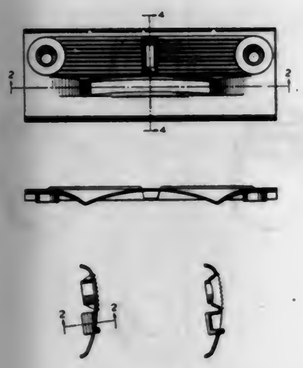
The ornamental design for an inner seal for bottles, as shown.

129,750
DESIGN FOR A HANDBAG OR THE LIKE
Virginia Blake, New York, N. Y.
Application August 21, 1941, Serial No. 102,981
Term of patent 3½ years



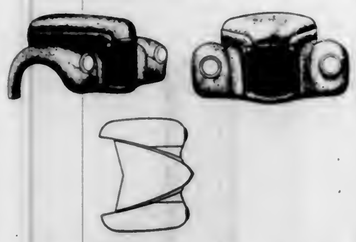
The ornamental design for a handbag or the like, substantially as shown.

129,751
DESIGN FOR AN ESCUTCHEON PLATE FOR AUTOMOBILE RADIO SETS OR THE LIKE
Robert Davol Budlong, Chicago, Ill., assignor to Zenith Radio Corporation, Chicago, Ill., a corporation of Illinois
Application January 11, 1941, Serial No. 97,979
Term of patent 14 years



The ornamental design for an escutcheon plate for automobile radio sets or the like, as shown.

129,752
DESIGN FOR A COMBINATION RADIATOR, HOOD AND FENDERS FOR VEHICLES
Donald G. Renno, Fort Wayne, Ind., assignor to International Harvester Company, a corporation of New Jersey
Application July 10, 1940, Serial No. 93,524
Term of patent 7 years



The ornamental design for a combination radiator, hood, and fenders for vehicles, substantially as shown.

129,753
DESIGN FOR A HANDBAG
William Tashman, Chicago, Ill.
Application August 16, 1941, Serial No. 102,869
Term of patent 3½ years



The ornamental design for a handbag, substantially as shown.

129,754
DESIGN FOR A DRESS
Leah Asteroff, New York, N. Y.
Application July 24, 1941, Serial No. 102,419
Term of patent 3½ years



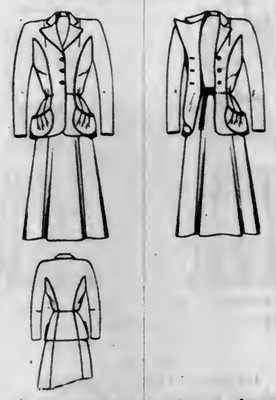
The ornamental design for a dress, substantially as shown and described.

129,755
DESIGN FOR A DRESS
Simon Etkin, New York, N. Y.
Application August 30, 1941, Serial No. 103,090
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,756
DESIGN FOR A DRESS
Simon Etkin, New York, N. Y.
Application August 30, 1941, Serial No. 103,091
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,757
DESIGN FOR A CIGARETTE HOLDER
Charles H. Flaxbaum, New York, N. Y.
Application August 14, 1941, Serial No. 102,838
Term of patent 7 years



The ornamental design for a cigarette holder, as shown.

129,758
DESIGN FOR A DRESS
Aline Henry, New York, N. Y.
Application July 31, 1941, Serial No. 102,585
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

129,759
DESIGN FOR A DRESS
Natalie Renke, New York, N. Y.
Application July 31, 1941, Serial No. 102,586
Term of patent 3½ years



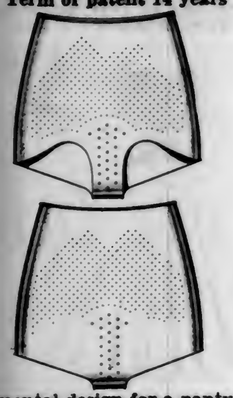
The ornamental design for a dress, substantially as shown and described.

129,760
DESIGN FOR A DRESS
Natalie Renke, New York, N. Y.
Application July 31, 1941, Serial No. 102,588
Term of patent 3½ years



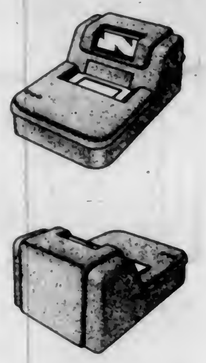
The ornamental design for a dress, substantially as shown and described.

129,761
DESIGN FOR A PANTY GIRDLE
Abraham N. Spanel, New York, N. Y.
Application December 28, 1940, Serial No. 97,687
Term of patent 14 years



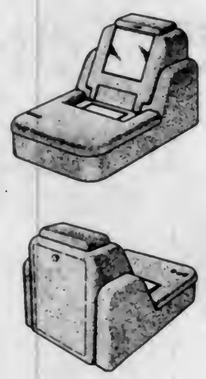
The ornamental design for a panty girdle, substantially as shown and described.

129,762
DESIGN FOR A HOUSING FOR A TELESCRIBER
Wallace A. Lauder, Closter, and Edward F. Cahoon, Tenafly, N. J., and Vahan Hagopian, New York, N. Y., assignors to Telautograph Corporation, New York, N. Y., a corporation of Virginia
Application January 24, 1941, Serial No. 98,344
Term of patent 14 years



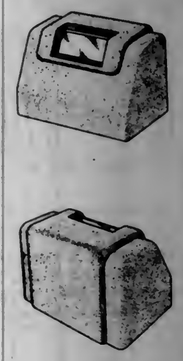
The ornamental design for a housing for a telescriber, substantially as shown.

129,763
DESIGN FOR A HOUSING FOR A TELESCRIBER
Wallace A. Lauder, Closter, and Edward F. Cahoon, Tenafly, N. J., and Vahan Hagopian, New York, N. Y., assignors to Telautograph Corporation, New York, N. Y., a corporation of Virginia
Application January 24, 1941, Serial No. 98,346
Term of patent 14 years



The ornamental design for a housing for a telescriber, substantially as shown.

129,764
DESIGN FOR A HOUSING FOR A TELESCRIBER
Wallace A. Lauder, Closter, and Edward F. Cahoon, Tenafly, N. J., and Vahan Hagopian, New York, N. Y., assignors to Telautograph Corporation, New York, N. Y., a corporation of Virginia
Application January 24, 1941, Serial No. 98,347
Term of patent 14 years



The ornamental design for a housing for a telescriber, substantially as shown.

129,765
DESIGN FOR A HOUSING FOR A TELESCRIBER
Wallace A. Lauder, Closter, and Edward F. Cahoon, Tenafly, N. J., and Vahan Hagopian, New York, N. Y., assignors to Telautograph Corporation, New York, N. Y., a corporation of Virginia
Application January 24, 1941, Serial No. 98,349
Term of patent 14 years



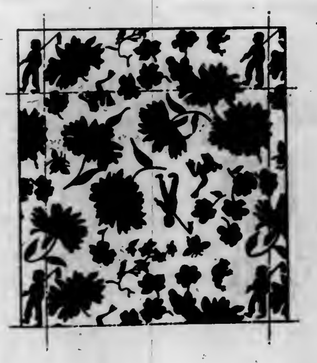
The ornamental design for a housing for a telescriber, substantially as shown.

129,766
DESIGN FOR A TEXTILE FABRIC
Le Roy S. Rosenbaum, New York, N. Y.
Application September 8, 1941, Serial No. 103,208
Term of patent 3½ years



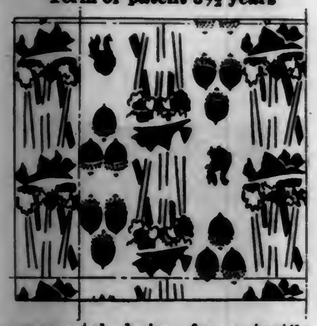
The ornamental design for a textile fabric, substantially as shown and described.

129,767
DESIGN FOR A TEXTILE FABRIC
Samuel Bernard Schaeffer, Jackson Heights, N. Y.
Application September 5, 1941, Serial No. 103,165
Term of patent 3½ years



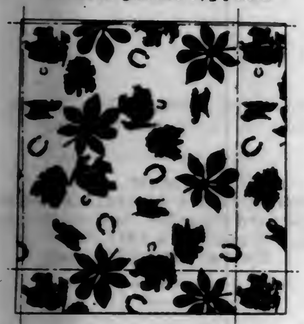
The ornamental design for a textile fabric, substantially as shown and described.

129,768
DESIGN FOR A TEXTILE FABRIC
Samuel Bernard Schaeffer, Jackson Heights, N. Y.
Application September 5, 1941, Serial No. 103,166
Term of patent 3½ years



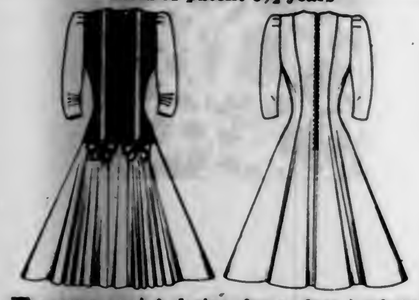
The ornamental design for a textile fabric, substantially as shown, and described.

129,769
DESIGN FOR A TEXTILE FABRIC
Samuel Bernard Schaeffer, Jackson Heights, N. Y.
Application September 5, 1941, Serial No. 103,170
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown, and described.

129,770
DESIGN FOR A DRESS
Helen Bayor, New York, N. Y.
Application September 6, 1941, Serial No. 103,185
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,771
DESIGN FOR A DRESS
Marie Carbotti, New York, N. Y.
Application September 13, 1941, Serial No. 103,332
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,772
DESIGN FOR A DRESS
Marie Carbotti, New York, N. Y.
Application September 13, 1941, Serial No. 103,333
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,773
DESIGN FOR A DRESS
Marie Carbotti, New York, N. Y.
Application September 13, 1941, Serial No. 103,334
Term of patent 3½ years



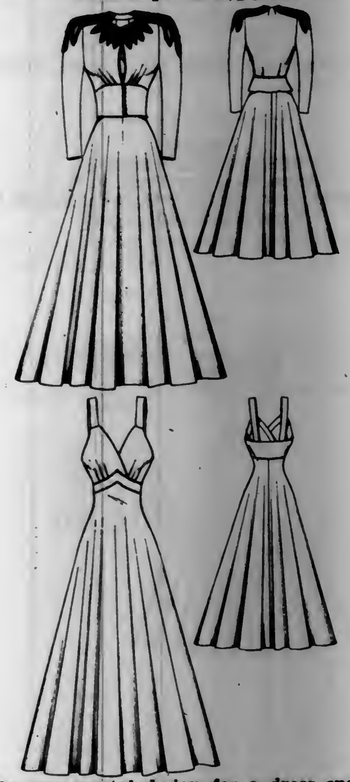
The ornmanetal design for a dress, substantially as shown.

129,774
DESIGN FOR A DRESS
William Clion, Brooklyn, N. Y.
Application September 13, 1941, Serial No. 103,328
Term of patent 3½ years



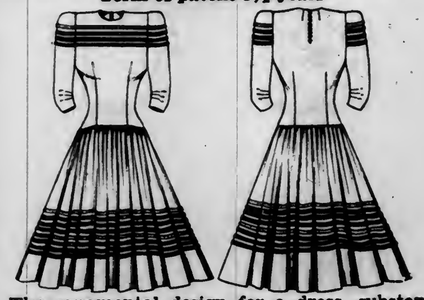
The ornamental design for a dress, substantially as shown.

129,775
DESIGN FOR A DRESS ENSEMBLE
Julia Forzani, New York, N. Y.
Application September 13, 1941, Serial No. 103,337
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

129,776
DESIGN FOR A DRESS
Jack Goldman, New York, N. Y.
Application September 13, 1941, Serial No. 103,336
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,777
DESIGN FOR A RING OR THE LIKE
George F. Jordan, New Dorp, N. Y.
Application August 11, 1941, Serial No. 102,789
Term of patent 7 years



The ornamental design for a ring or the like, as shown.

129,778
DESIGN FOR A DRESS
Philip Kaperst, New York, N. Y.
Application September 6, 1941, Serial No. 103,182
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,779
DESIGN FOR A DRESS
Philip Kaperst, New York, N. Y.
Application September 6, 1941, Serial No. 103,183
Term of patent 3½ years



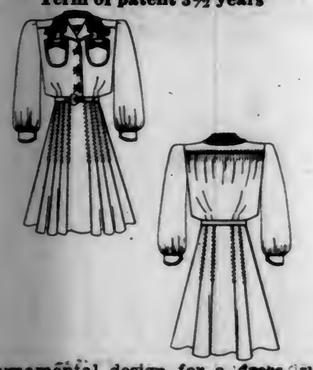
The ornamental design for a dress, substantially as shown.

129,780
DESIGN FOR A DRESS
Bernard Keller, New York, N. Y.
Application September 6, 1941, Serial No. 103,184
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,781
DESIGN FOR A DRESS
Emanuel Koushner, New York, N. Y.
Application September 11, 1941, Serial No. 103,285
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,782
DESIGN FOR A DRESS
Helen May, New York, N. Y.
Application September 6, 1941, Serial No. 103,186
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,783
DESIGN FOR A DRESS
Helen May, New York, N. Y.
Application September 6, 1941, Serial No. 103,187
Term of patent 3½ years



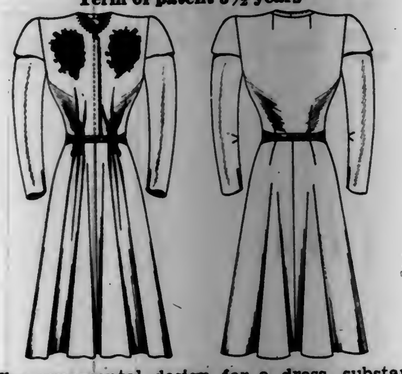
The ornamental design for a dress, substantially as shown.

129,784
DESIGN FOR A DRESS ENSEMBLE
Margaret Michelson, New York, N. Y.
Application September 13, 1941, Serial No. 103,338
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

129,785
DESIGN FOR A DRESS
Helga Oppenheimer, Little Neck, Long Island, N. Y.
Application September 12, 1941, Serial No. 103,300
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,786
DESIGN FOR A DRESS
Helga Oppenheimer, Little Neck, Long Island, N. Y.
Application September 12, 1941, Serial No. 103,301
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,787
DESIGN FOR A DRESS
Helga Oppenheimer, Little Neck, Long Island, N. Y.
Application September 12, 1941, Serial No. 103,302
Term of patent 3½ years



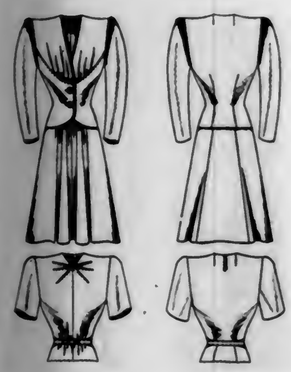
The ornamental design for a dress, substantially as shown.

129,788
DESIGN FOR A DRESS
Helga Oppenheimer, Little Neck, Long Island, N. Y.
Application September 12, 1941, Serial No. 103,303
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,789
DESIGN FOR A DRESS ENSEMBLE
Helga Oppenheimer, Little Neck, Long Island, N. Y.
Application September 12, 1941, Serial No. 103,304
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

129,790
DESIGN FOR A DRESS
Helga Oppenheimer, Little Neck, Long Island, N. Y.
Application September 12, 1941, Serial No. 103,305
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,791
DESIGN FOR A DRESS
Helga Oppenheimer, Little Neck, Long Island, N. Y.
Application September 12, 1941, Serial No. 103,306
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,792
DESIGN FOR A DRESS
Helga Oppenheimer, Little Neck, Long Island, N. Y.
Application September 13, 1941, Serial No. 103,329
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,793
DESIGN FOR A DRESS
Helga Oppenheimer, Little Neck, Long Island, N. Y.
Application September 13, 1941, Serial No. 103,330
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,794
DESIGN FOR A DRESS
Helga Oppenheimer, Little Neck, Long Island, N. Y.
Application September 13, 1941, Serial No. 103,331
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,795
DESIGN FOR AN EMBROIDERED LACE FABRIC OR SIMILAR ARTICLE
Jack Wiener, New York, N. Y.
Application September 8, 1941, Serial No. 103,210
Term of patent 3½ years



The ornamental design for an embroidered lace fabric or similar article, substantially as shown.

OFFICIAL GAZETTE

OF THE

UNITED STATES PATENT OFFICE

VOLUME 531

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(Decisions of the U. S. Court of Appeals for the District of Columbia are indicated by the letter (▪); and of the U. S. Court of Customs and Patent Appeals by a star (*).)

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

American Oil Company, The, Baltimore, Md. Compounds for the cleaning and treatment of automobile radiators. Serial No. 445,710; Oct. 7. Class 6.

Anacin Company, The, Jersey City, N. J. Medicinal preparation for use as a supplement to the diet to provide additional supplies of vitamins. Serial No. 446,258; Oct. 7. Class 6.

Ann Manufacturing Company, Granite Quarry, N. C. Textile diapers. Serial No. 443,319; Oct. 7. Class 39.

Argo Paint Co. (See Waters, George H.)

Ault & Wiborg Corporation, New York, N. Y. Paints, varnishes, and enamels in ready mixed form. Serial No. 444,063; Oct. 7. Class 16.

Austin, Nichols & Co. Incorporated, Brooklyn and New York, N. Y. Gin. Serial No. 445,711; Oct. 7. Class 49.

Baker-Fleming Farm Gas Company, Lockney, Tex. Hydrocarbon and liquefied gas. Serial No. 445,034; Oct. 7. Class 15.

Bankers Development Corporation, New York, N. Y. Joint signature cards, single signature cards, combination account statement, depositor's receipts, etc. Serial No. 429,967; Oct. 7. Class 37.

Barmaico Limited, London, England. Knitted dresses, suits, cardigans, pullovers, etc. Serial No. 443,476; Oct. 7. Class 39.

Barton & Company Inc., Stamford, Conn. Whiskey, rye, scotch, irish, bourbon, and gin. Serial No. 444,561; Oct. 7. Class 49.

Bauder, Ray E., doing business as Bauder-Baker. Blank forms—namely, check deposit books, check books, etc. Serial No. 441,760; Oct. 7. Class 37.

Best Shoe Company, Inc., Boston, Mass. Women's shoes. Serial No. 445,917; Oct. 7. Class 39.

Bloom, Philip S., Company, Chicago, Ill. Ladies' underwear—namely, panties. Serial No. 445,186; Oct. 7. Class 39.

Bonat, Samuel, & Bro., New York, N. Y. Permanent waving pads. Serial No. 446,014; Oct. 7. Class 44.

Brauer Bros. Shoe Co., St. Louis, Mo. Shoes. Serial No. 445,682; Oct. 7. Class 39.

Bulova Watch Company, Inc., New York, N. Y. Watches for men and ladies. Serial No. 445,683; published Oct. 7. Class 27.

Caldwell, Dr. W. B., Inc., Monticello, Ill. Preparation for the treatment of nutritional anemia, nervousness, lack of appetite. Serial No. 442,351; Oct. 7. Class 6.

Catty, H. D., Corporation, New York, N. Y. Rolls of Cellophane paper. Serial No. 443,805; Oct. 7. Class 37.

Chapman & Smith Company, Chicago, Ill. Baking powder. Serial No. 434,555; Oct. 7. Class 46.

Chicago Mail Order Company, Chicago, Ill. Women's and misses' shoes. Serial No. 442,519; Oct. 7. Class 39.

Chicago Mail Order Company, Chicago, Ill. Hosiery. Serial No. 445,128; Oct. 7. Class 39.

Chisholm & Chapman. (See Du Pont, Francis I., & Co.)

Clix Slide Fastener Co., Inc., New York, N. Y. Slide fasteners and parts thereof. Serial No. 443,792; Oct. 7. Class 13.

Cluff & Pickering, Ltd., New York, N. Y. Whiskey. Serial No. 446,262; Oct. 7. Class 49.

Colbert, Polly, doing business as The Laxi Company, New York, N. Y. Chewing gum having laxative properties. Serial No. 445,285; Oct. 7. Class 6.

Colprovia Roads, Inc., Rochester, N. Y. Paint in paste or ready mixed form. Serial No. 445,380; Oct. 7. Class 16.

Composite Materials Corporation, Detroit, Mich. Sound deadening plastic composition for automobile bodies and other metallic structures. Serial No. 439,013; Oct. 7. Class 12.

Cowen Bros., New York, N. Y. Wrist watch straps. Serial No. 445,841; Oct. 7. Class 40.

Destruxol Corporation, Ltd., Pasadena, Calif. Chemical compositions and emulsions for spray purposes for insects. Serial No. 443,751; Oct. 7. Class 6.

Diversey Corporation, The, Chicago, Ill. Sodium sesquicarbonate in powdered form for neutralizing cream for use in making butter. Serial No. 427,070; Oct. 7. Class 6.

Dog-Master Products Company, Inc., New York, N. Y. Dog leashes. Serial No. 446,289; Oct. 7. Class 3.

Doughboy Mills, Inc., New Richmond, Wis. Bread. Serial No. 433,603; Oct. 7. Class 46.

Du Pont, Francis I., & Co., and Chisholm & Chapman, New York, N. Y. Daily financial news and statistical letters. Serial No. 445,231; Oct. 7. Class 38.

Edison, Thomas A., Incorporated, West Orange, N. J. Phonographic apparatus for recording and reproducing dictation and the like, etc. Serial No. 444,991; Oct. 7. Class 36.

Ellison Insulations Limited, Perry Barr, Birmingham, England. Materials made wholly or in part of synthetic resinoids and sold in form of sheets, blocks, tubes, etc. Serial No. 444,139; Oct. 7. Class 1.

Faber, A. W., Castell-Bleistift Fabrik, A.-G., Stein, Germany. Lead pencils, colored pencils, copying pencils, etc. Serial No. 424,800; Oct. 7. Class 37.

Fleischmann, E. M., Distilling Corporation, Lansdowne, Md. Whiskey. Serial No. 434,905; Oct. 7. Class 49.

Fleischmann, E. M., Distilling Corporation, Lansdowne, Md. Bourbon whiskey. Serial No. 434,907; Oct. 7. Class 49.

Fleischmann, E. M., Distilling Corporation, Lansdowne, Md. Rye whiskey. Serial No. 434,908; Oct. 7. Class 49.

Florsheim Shoe Company, The, Chicago, Ill. Shoes. Serial No. 442,656; Oct. 7. Class 39.

Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. Serial Nos. 445,415–16; Oct. 7. Class 42.

Gauthier, Donat A., Detroit, Mich. Plug gauges of all descriptions and other gauges for measuring or checking diameters and lengths of objects. Serial No. 442,192; Oct. 7. Class 26.

Georgia Marble Company, The, Tate, Ga. Finished marble and cut stone. Serial Nos. 446,425–6; Oct. 7. Class 12.

Grant Advertising, Inc., Dallas, Tex. Radio scripts published from time to time. Serial No. 444,670; Oct. 7. Class 38.

Greif Bros. Cooperage Corporation, The, Cleveland, Ohio. Stapling machines. Serial No. 445,200; Oct. 7. Class 23.

Haft, Morris W., & Bros., Inc., New York, N. Y. Women's and misses' suits and coats. Serial No. 445,936; Oct. 7. Class 39.

Hallman, E., doing business as E. Hallman Company, Toronto, Ontario, Canada. Honey, butter, cheese, and dressed poultry. Serial No. 446,109; Oct. 7. Class 46.

Hansen Manufacturing Company, Inc., Princeton, Ind. Electric motors. Serial No. 441,867; Oct. 7. Class 21.

Hillman Periodicals, Inc., New York, N. Y. Magazines. Serial No. 445,496; Oct. 7. Class 38.

Ingels, Prosper A., Dallas, Tex. Ice cream confections. Serial No. 430,508; Oct. 7. Class 46.

Jackson, Eleanor M., doing business as R. & J. Chemical Co., Wilmette, Ill. Antiseptic germicide. Serial No. 445,944; Oct. 7. Class 6.

Joselli Suits Inc., New York, N. Y. Women's jackets, skirts, and suits. Serial No. 445,425; Oct. 7. Class 39.

Kaylon, Inc., New York, N. Y. Pajamas and night shirts and gowns. Serial No. 445,360; Oct. 7. Class 39.

Kraft Cheese Company, Chicago, Ill. Cream cheese. Serial No. 444,645; Oct. 7. Class 46.

Kroger Grocery & Baking Company, The, Cincinnati, Ohio. Canned shrimps. Serial No. 432,035; Oct. 7. Class 46.

Lauer, Max, New York, N. Y. Ladies' and misses' shoes and slippers. Serial No. 445,814; Oct. 7. Class 39.

Laxi Company, The. (See Colbert, Polly.)

Le Duc, Cecile S., Rochester, N. Y. Perfumes and cosmetics. Serial Nos. 439,621–3; Oct. 7. Class 6.

Lee, Harry C., & Co., Inc., New York, N. Y. Golf clubs. Serial No. 446,295; Oct. 7. Class 22.

Leeds Ltd., Coats Inc., New York, N. Y. Coats, jackets, capes, skirts, etc. Serial No. 445,426; Oct. 7. Class 39.

Leeds Ltd. Coats, Inc., New York, N. Y. Coats, jackets, skirts, capes, etc. Serial No. 445,740; Oct. 7. Class 39.

Lenner, Eugene, Kingston, N. Y. Non-alcoholic, maltless beverage and sirups and extracts for making the same. Serial No. 442,043; Oct. 7. Class 45.

Leventhal, Barney, New York, N. Y. Magazines. Serial No. 444,648; Oct. 7. Class 38.

Merrell, Wm. S., Company, The, Cincinnati, Ohio. Scabicide cream. Serial No. 445,818; Oct. 7. Class 6.

Merrell, Wm. S., Company, The, Cincinnati, Ohio. Sympathomimetic anodyne. Serial No. 445,820; Oct. 7. Class 6.

Moore, Howard N., Washington, D. C. Comic strip. Serial No. 440,468; Oct. 7. Class 38.

Moore, John Hudson, Inc., New York, N. Y. Men's toiletries, including after shaving lotion, hair lotion, and talcum powder. Serial No. 445,433; Oct. 7. Class 6.

Nash, C. A., & Son, Inc., Norfolk, Va. Paints and paint enamels. Serial No. 444,910; Oct. 7. Class 16.

National Oil Products Company, Harrison, N. J. Detergent for removal of soil from shirts, aprons, towels, etc. Serial No. 442,177; Oct. 7. Class 4.

National Store Fixture Company, Inc., Baltimore, Md. Opaque pressed sheets of laminated absorbent paper for table, booth, and counter tops, etc. Serial No. 445,016; Oct. 7. Class 12.

National Temple Educational Association, Los Angeles, Calif. Periodical publication. Serial No. 440,994; Oct. 7. Class 38.

Northam Warren Corporation, Stamford, Conn. Nail polish. Serial No. 445,778; Oct. 7. Class 6.

Ohio Leather Company, The, Girard, Ohio. Calfskin shoe upper leather. Serial No. 443,854; Oct. 7. Class 1.

Oldetyme Distillers, Inc., assignor to Oldetyme Distillers Corporation, New York, N. Y. Whiskey. Serial No. 362,787; Oct. 7. Class 49.
Oldetyme Distillers, Inc., assignor to Oldetyme Distillers Corporation, New York, N. Y. Whiskey. Serial No. 363,819; Oct. 7. Class 49.
Oldetyme Distillers, Inc., assignor to Oldetyme Distillers Corporation, New York, N. Y. Whiskey. Serial No. 364,103; Oct. 7. Class 49.
Oldetyme Distillers, Inc., assignor to Oldetyme Distillers Corporation, New York, N. Y. Whiskey and gin. Serial No. 364,231; Oct. 7. Class 49.
Olive Heights Citrus Association, Olive, Calif. Fresh citrus fruits. Serial No. 445,899; Oct. 7. Class 46.
Oliver Iron and Steel Corporation, Pittsburgh, Pa. Threaded and unthreaded bolts and nuts, rivets, studs, etc. Serial No. 438,989; Oct. 7. Class 13.
Pacific Silicate Company Ltd., Berkeley, Calif. Cement for uniting iron and ceramic construction materials. Serial No. 445,667; Oct. 7. Class 12.
Paquin, Ltd., London, England. Face powders, creams, lotions, toilet creams, etc. Serial No. 438,740; Oct. 7. Class 6.
Parker Brothers, Inc., Portland, Maine, and Salem, Mass. Board game played with movable pieces. Serial No. 446,586; Oct. 7. Class 22.
Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Cleaners for general use. Serial No. 443,341; Oct. 7. Class 4.
Pep Boys—Manny, Moe, & Jack, The, Philadelphia, Pa. Pneumatic rubber tires and inner tubes. Serial No. 443,815; Oct. 7. Class 35.
Pharis Tire and Rubber Company, The, Newark, Ohio. Merchandise display stands, racks, counters, etc. Serial No. 446,216; Oct. 7. Class 32.
Plee-Zing, Inc., Chicago, Ill. Sanitary napkins. Serial No. 444,656; Oct. 7. Class 44.
Powell, Daniel W., Baltimore, Md. Scientific instrument which measures and indicates the inhalation of breath, etc. Serial No. 443,643; Oct. 7. Class 26.
Premo Pharmaceutical Laboratories, Inc., New York, N. Y. Antacid preparation containing colloidal aluminum hydroxide in tablet or liquid form. Serial No. 445,856; Oct. 7. Class 6.
Press, Morris, doing business as Press Dress & Uniform Co., Hummelstown, Pa. Dresses, particularly uniforms and utility dresses. Serial No. 445,434; Oct. 7. Class 39.
R. & J. Chemical Co. (See Jackson, Eleanor M.)
Reynolds Metals Company, Richmond, Va. Cellular fibre insulation. Serial No. 445,213; Oct. 7. Class 12.
Riverbank Wine Co., Boston, Mass. Wines. Serial No. 444,913; Oct. 7. Class 47.
Rosenthal, Manuel, doing business as Speedry Products Co., New York, N. Y. Ink applicator fountain pens. Serial No. 443,345; Oct. 7. Class 37.
Royal Typewriter Company, Inc., New York, N. Y. Typewriting machines and parts thereof. Serial Nos. 446,179–81; Oct. 7. Class 23.
Saks & Company, New York, N. Y. Misses' dresses. Serial No. 445,334; Oct. 7. Class 39.
Saks & Company, New York, N. Y. Women's and misses' shoes. Serial No. 445,335; Oct. 7. Class 39.
Samuels, T. W., Distillery, Inc., Deatsville, Ky., and Cincinnati, Ohio. Whiskey. Serial No. 445,700; Oct. 7. Class 49.
Sante Fe Hand Woven Fabrics, Inc., Sante Fe, N. Mex. Neckties. Serial No. 429,505; Oct. 7. Class 39.
Scaletta, Philip, Lodi, Calif. Fresh deciduous fruits, vegetables, and grapes. Serial No. 444,768; Oct. 7. Class 46.
Schabelitz, Ernest J., doing business as Schabelitz Research Laboratories, San Diego, Calif. Prophylactic. Serial No. 445,961; Oct. 7. Class 6.
Screw Conveyor Corp., Hammond, Ind. Elevating and conveying apparatus. Serial No. 444,770; Oct. 7. Class 23.
Seinsheimer, H. A., Company, The, Cincinnati, Ohio. Men's clothing—namely, suits, overcoats, topcoats, and trousers. Serial No. 445,964; Oct. 7. Class 39.
Seltz, John A., New York, N. Y. Alterative medicine in liquid form for internal use. Serial No. 442,732; Oct. 7. Class 6.
Sherbrook Distributing Co., The, Cincinnati, Ohio. Whiskey, gin, rum, etc. Serial Nos. 445,753–5; Oct. 7. Class 49.
Shewan-Jones, Inc., New York, N. Y. Wine. Serial No. 442,609; Oct. 7. Class 47.
Silkin Paper Corporation, San Francisco, Calif. Waxed paper. Serial No. 436,705; Oct. 7. Class 37.
Slumber Products Corporation, Memphis, Tenn. Mattresses. Serial No. 445,701; Oct. 7. Class 32.
Smith Bros. of Port Washington, Inc., Port Washington, Wis. Prepared fish. Serial No. 433,075; Oct. 7. Class 46.
Somerset Canning Corporation, The, Somerset, Pa. Canned vegetables. Serial No. 446,066; Oct. 7. Class 46.
Southern Carbon Company, Monroe, La. Particulate carbon having a general use in the industrial arts. Serial No. 446,248; Oct. 7. Class 6.
Speed Products Company, Long Island City, N. Y. Machine staples. Serial No. 435,149; Oct. 7. Class 13.
Speedry Products Co. (See Rosenthal, Manuel.)
Spiewak, I., & Sons, Jersey City, N. J. Sport and work jackets, coats, vests, and sweaters. Serial No. 443,585; Oct. 7. Class 39.
Sport Products, Inc., Cincinnati, Ohio. Men's and boys' sport shirts, jackets, and sweaters. Serial No. 432,663; Oct. 7. Class 39.
Sprinkle, Henry L., Greensboro, N. C. Gasoline and motor fuel oil. Serial No. 433,233; Oct. 7. Class 15.
Stein, A., & Company, Chicago, Ill. Suspenders. Serial No. 445,537; Oct. 7. Class 39.
Stella Cheese Company, Chicago, Ill. Cheese. Serial No. 444,164; Oct. 7. Class 46.
Sussman, E., & Co., Inc., New York, N. Y. Overcoats, topcoats, jackets, etc. Serial No. 445,306; Oct. 7. Class 39.
Towson, Harvie S., Washington, D. C. Rubber automobile floor mats. Serial No. 443,379; Oct. 7. Class 50.
Traina-Norell, Inc., New York, N. Y. Dresses, coats, jackets, etc. Serial No. 445,864; Oct. 7. Class 39.
Traina-Norell, Inc., New York, N. Y. Dresses, coats, jackets, etc. Serial No. 446,866; Oct. 7. Class 39.
United Pure Food Co., New York, N. Y. Canned vegetables, dried vegetables, canned fish, etc. Serial No. 437,849; Oct. 7. Class 46.
United States Harmonica Corporation, Greenwich, Conn. Harmonicas. Serial No. 442,885; Oct. 7. Class 36.
Vimcar Steel Sash Company, Los Angeles, Calif. Steel sash windows and sash doors. Serial No. 445,676; Oct. 7. Class 12.
Warner Chemical Company, The, New York, N. Y. Degreasing solvents, more particularly chlorinated hydrocarbon solvents. Serial No. 443,547; Oct. 7. Class 4.
Waters, George H., doing business as Argo Paint Co., Detroit, Mich. Ground color product, and a graining color product in the nature of a paint. Serial No. 444,245; Oct. 7. Class 16.
Zellick, Harry, Cambridge, Mass. Divans and sofas. Serial No. 446,011; Oct. 7. Class 32.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbate, Chas., Company, The, Chicago, Ill. Fresh vegetables. 390,868; Oct. 7; Serial No. 443,905; published July 29, 1941. Class 46.
Abraham & Straus, Inc., Brooklyn, N. Y. Men's clothing. 390,865; Oct. 7; Serial No. 443,829; published July 29, 1941. Class 39.
American Cellulose & Chemical Manufacturing Company, New York, N. Y., and Cumberland, Md., by change of name to Celanese Corporation of America, New York, N. Y. Cloths and fabrics in the piece. 149,817; renewed Dec. 27, 1941.
American Cellulose & Chemical Manufacturing Company, Limited, The, New York, N. Y., and Cumberland, Md., by change of name to Celanese Corporation of America, New York, N. Y. Yarns and thread and of silk and also of artificial silk. 151,067; renewed Jan. 24, 1942.
American Drug & Chemical Company, Minneapolis, Minn. Insect repelling preparation. 390,853; Oct. 7; Serial No. 443,678; published July 29, 1941. Class 6.
American Reedcraft Corporation, New York, N. Y. Clay and charcoal. 390,831; Oct. 7; Serial No. 443,274; published July 29, 1941. Class 1.
American Reedcraft Corporation, New York, N. Y. Crayons, erasers, writing paper, etc. 390,832; Oct. 7; Serial No. 443,275; published July 29, 1941. Class 37.
Aqua-Sec Corporation, New York, N. Y. Textile piece goods. 390,800; Oct. 7; Serial No. 440,486; published July 29, 1941. Class 42.
Augstein, S., & Co., New York, N. Y. Men's, women's, and childrens sweaters, bathing suits, scarfs, mufflers, etc. 390,794; Oct. 7; Serial No. 439,382; published July 29, 1941. Class 39.
Bailey Meter Company, Cleveland, Ohio. Oxygen consuming preparation for use in fluid analyzing apparatus. 390,796; Oct. 7; Serial No. 439,989; published July 22, 1941. Class 6.
Bayview Oil Company, Richmond, Calif. Lubricating oil. 390,763; Oct. 7; Serial No. 424,535; published Oct. 29, 1940. Class 15.
Bechler, André, Mouter, Switzerland. Lathes and automatic lathes, parts thereof, and tools for said lathes. 147,923; renewed Nov. 8, 1941.
Bellewood Mfg Co. (See Schoenholz, Rosa.)
Beltraction Company, Chicago, Ill. Liquid belt dressings. 390,850; Oct. 7; Serial No. 443,530; published July 29, 1941. Class 4.
Berkowitz, Victor, New York, N. Y. Ladies' handbags. 390,854; Oct. 7; Serial No. 443,648; published July 29, 1941. Class 3.
Bernat, Emile, & Sons Co., Jamaica Plain, Mass. Yarns. 390,817–18; Oct. 7; Serial Nos. 442,825–6; published July 22, 1941. Class 43.
Birtman Electric Company, Chicago, Ill. Electric motors. 151,431; renewed Feb. 7, 1942.

Bissell Carpet Sweeper Co., assignor to Bissell Carpet Sweeper Company, Grand Rapids, Mich. Toy carpet-sweepers. 148,999–149,000; renewed Dec. 6, 1941.
Blind-Brite Company, San Francisco, Calif. Cleaner for venetian blinds. 390,899; Oct. 7. Class 4.
Blotex Co., The, Springfield, Ohio. Detergent. 390,819; Oct. 7; Serial No. 442,827; published July 29, 1941. Class 4.
Borden Company, The, New York, N. Y. Ice cream. 390,861; Oct. 7; Serial No. 443,804; published July 29, 1941. Class 46.
Boston Leather Specialties Company, Everett, Mass., doing business as Bunny Bear. Auxiliary children's toilet seats. 390,784; Oct. 7; Serial No. 436,539; published July 29, 1941. Class 13.
Botany Worsted Mills, Passaic, N. J. Machine woolen and worsted knitting yarn. 390,811; Oct. 7; Serial No. 441,853; published July 29, 1941. Class 43.
Botany Worsted Mills, Passaic, N. J. Soap. 390,858; Oct. 7; Serial No. 443,745; published July 29, 1941. Class 4.
Breinig Brothers, Inc., assignor to Breinig Brothers, Inc., Hoboken, N. J. Paints, varnishes, enamels, and shellacs, etc. 151,089; renewed Jan. 24, 1942.
Bunny Bear. (See Boston Leather Specialties Company.)
Burkart Bros., Inc. (See Sweet Orchard Company.)
Burson Knitting Company, Rockford, Ill. Knit goods. 151,694; renewed Feb. 14, 1942.
Burton Bros. Inc., Atlanta, Ga. Hair dressing. 390,911; Oct. 7. Class 6.
Bussmann Manufacturing Company, St. Louis, Mo. Electric fuses and cut-outs. 135,207; renewed Sept. 28, 1940.
California Texas Oil Company, Limited, New York, N. Y. Dry cleaning fluids and Stoddard solvent. 390,788; Oct. 7; Serial No. 438,033; published July 29, 1941. Class 4.
Camco Co., The. (See Wardall, William J.)
Canusa Corporation, Arlington, N. J. Chemical organic softening agent. 390,774; Oct. 7; Serial No. 432,927; published July 22, 1941. Class 6.
Canusa Corporation, Arlington, N. J. Chemical organic rapid wetting agent. 390,775; Oct. 7; Serial No. 432,928; published July 22, 1941. Class 6.
Canusa Corporation, Arlington, N. J. Chemical organic moth-proofing agent. 390,776; Oct. 7; Serial No. 432,929; published July 22, 1941. Class 6.
Canusa Corporation, Arlington, N. J. Chemical organic detergent penetrant and wetting agent. 390,777; Oct. 7; Serial No. 432,930; published July 22, 1941. Class 6.
Canusa Corporation, Arlington, N. J. Chemical organic repellent agent. 390,778; Oct. 7; Serial No. 432,931; published July 22, 1941. Class 6.
Celanese Corporation of America. (See American Cellulose & Chemical Manufacturing Company, The.)
Cetrulo, John, Arlington, N. J. to John Cetrulo, Kearny, N. J. Hair grower. 152,131; renewed Feb. 21, 1942.
Chattanooga Drug & Chemical Company, Chattanooga, Tenn. Iron vitamin tonic. 390,886; Oct. 7; Serial No. 444,398; published July 29, 1941. Class 6.
Cherokee Spinning Company, Knoxville, Tenn. Yarns and threads. 149,356; renewed Dec. 13, 1941.
Cleaveland Laboratories & Manufacturing Company, Inc. Peapack and Newark, N. J. Synthetic lacquers for coating wood, textile fabrics, and paper. 390,906; Oct. 7. Class 16.
Clinton Company, Clinton, Iowa. Corn starch. 390,773; Oct. 7; Serial No. 432,884; published July 29, 1941. Class 6.
Cochran, Jacqueline, Roselle, N. J. Cosmetics and beauty preparations. 390,871; Oct. 7; Serial No. 443,974; published July 22, 1941. Class 6.
Cohen, N. B., assignor to N. B. Cohen Company, Scranton, Pa. Hair nets. 150,776; renewed Jan. 10, 1942.
Columbia Axle Company, The, Cleveland, Ohio. Overdrive axles for automotive vehicles. 390,783; Oct. 7; Serial No. 436,252; published July 29, 1941. Class 23.
Consolidated Products Company, Danville, Ill. Plastic stock and poultry food. 390,853; Oct. 7; Serial No. 443,628; published July 29, 1941. Class 46.
Container Corporation of America, Chicago, Ill. Folding cartons. 390,912; Oct. 7. Class 2.
Coon, Edward W., Philadelphia, Pa., assignor by mesne assignments, to Kraft Cheese Company, Chicago, Ill. Cheese. 147,970; renewed Nov. 8, 1941.
Corkins Chemical Co., The, Cincinnati, Ohio. Insecticides and disinfectants. 390,838; Oct. 7; Serial No. 443,405; published July 22, 1941. Class 6.
Cowles Detergent Company, The. (See Electric Smelting & Aluminum Co. Inc., The, assignor.)
Crowther, Herl L., doing business as Crowther Products, Los Angeles, Calif. Dentifrice. 390,781; Oct. 7; Serial No. 435,968; published July 22, 1941. Class 6.
Cuno Engineering Corporation, The, Meriden, Conn. Electric lamps, electric starting and ignition devices for gas engines, and electric cigar lighters. 151,457; renewed Feb. 7, 1942.
Curtiss Candy Company, The, Chicago, Ill. Chocolate-coated peanut-candy having a marshmallow center. 151,727; renewed Feb. 14, 1942.
Day-Brite Lighting, Inc., St. Louis, Mo. Electric lighting fixtures. 390,768; Oct. 7; Serial No. 430,492; published June 4, 1940. Class 21.
Dernburg Fur Company, Inc., Chicago, Ill. Furriers' knives and blades therefor. 390,869; Oct. 7; Serial No. 443,924; published July 29, 1941. Class 23.
Destruxol Corporation, Ltd., Pasadena, Calif. Chemical powder for control of certain pests. 390,860; Oct. 7; Serial No. 443,756; published July 22, 1941. Class 6.
Detroit Harvester Company. (See Dura Mechanical Hardware Co.)
Deutsche Gold-Und Silber-Scheideanstalt. Frankfort-on-the-Main, Germany. Hardening materials. 390,762; Oct. 7; Serial No. 409,386; published July 22, 1941. Class 6.
Durham Chemical Laboratories. (See Fuld Bros.)
Dunlevy & Bro., Pittsburgh, Pa., assignors, by mesne assignments, to Dunlevy-Franklin Corporation, New York, N. Y. Lard. 20,631; re-renewed Jan. 26, 1942.
Dura Mechanical Hardware Co., Inc., Toledo, Ohio, to Detroit Harvester Company, Detroit, Mich., successor. Window-regulators. 149,907; renewed Dec. 27, 1941.
Duryea Products Company, Incorporated, Jersey City, N. J. Turpentine. 390,769; Oct. 7; Serial No. 431,548; published July 29, 1941. Class 16.
Dux Chemical Solutions Company Limited, London, England. Prepared paper and cloth used for book-covers. 148,002; renewed Nov. 8, 1941.
Electric Smelting & Aluminum Co. Inc., The, Lockport, N. Y., assignor, by mesne assignments, to The Cowles Detergent Company, Cleveland, Ohio. Soluble chemical compounds for use as detergents. 151,745–6; renewed Feb. 14, 1942.
Erlanger, N., Blumgart & Co., Inc., New York, N. Y. Piece goods made of cotton, artificial silk, and silk, and combinations thereof. 152,394; renewed Feb. 28, 1942.
Faught, Louise M., Brooklyn, N. Y. Medicinal preparations for the treatment of diabetes, gastric irritations, burns, etc. 390,846; Oct. 7; Serial No. 443,501; published July 22, 1941. Class 6.
F. E. I. Corporation, The, Pittsburgh, Pa. Wave-set, waving fluid, superquick drying wave-set, cocoanut oil soap shampoo, etc. 390,910; Oct. 7. Class 6.
Field and Flint Co., Brockton, Mass. Shoes. 390,862; Oct. 7; Serial No. 443,808; published July 29, 1941. Class 39.
Firestone Tire & Rubber Company, The, Akron, Ohio. Vacuum and heat-insulated jugs suitable for use at picnics. 390,880; Oct. 7; Serial No. 444,043; published July 29, 1941. Class 2.
Flato, Paul E., New York, N. Y. Clips and clasps and garment buckles. 390,907–8; Oct. 7. Class 40.
Fleischmann Company, The, Cincinnati, Ohio, and New York, N. Y., assignor to Standard Brands Incorporated, New York, N. Y. Compressed yeast and yeast mixtures. 151,760; renewed Feb. 14, 1942.
Florence Citrus Growers Association. (See Luban, William C., assignor.)
Folkard & Lawrence, Inc., New York, N. Y. Woolen piece goods. 390,875; Oct. 7; Serial No. 444,000; published July 29, 1941. Class 42.
Forged Steel Products Co. of N. J., Newark, N. J., assignor to Forged Steel Products Company, Newport, Pa. Pliers. 141,355; renewed Apr. 19, 1941.
Francois Cementation Company Limited, The, London, England. Metal powders. 390,883; Oct. 7; Serial No. 444,146; published July 29, 1941. Class 14.
Franklin Silver Plate Company, to Rogers, Lunt & Bowlen Company, Greenfield, Mass., successor. Precious metal ware. 151,482; renewed Feb. 7, 1942.
Frederics, E., Inc., New York, N. Y. Solutions used in the permanent waving of hair. 390,791; Oct. 7; Serial No. 438,304; published July 22, 1941. Class 6.
Freydberg Bros., Inc., Stamford, Conn., and New York, N. Y. Thread used in packaging, weaving, etc. 390,786; Oct. 7; Serial No. 437,722; published Mar. 11, 1941. Class 43.
Fuld Bros., doing business as Durham Chemical Laboratories, Baltimore, Md. Surfacing wax applicable to floors, linoleum, hardwood, terrazzo, etc. 390,825; Oct. 7; Serial No. 443,078; published July 29, 1941. Class 16.
Gamble Stores Incorporated, Minneapolis, Minn. Muffers for internal combustion engines. 390,833; Oct. 7; Serial No. 443,288; published July 29, 1941. Class 23.
Gass, Walter S., doing business as Linnwood Products Company, Seward, Nebr. Ornamental articles. 390,812; Oct. 7; Serial No. 442,191; published July 29, 1941. Class 50.
Geigy Company, Inc., New York, N. Y. Dyestuffs. 151,486; renewed Feb. 7, 1942.
General Aircraft Corporation, Lowell, Mass. Airplanes. 390,870; Oct. 7; Serial No. 443,928; published July 29, 1941. Class 19.
General Coal Company, Philadelphia, Pa. Coal. 390,845; Oct. 7; Serial No. 443,456; published July 29, 1941. Class 1.
General Electric Company, New York, N. Y. Radio receivers. 390,804; Oct. 7; Serial No. 441,017; published July 29, 1941. Class 21.

General Products Corporation, Union Springs, N. Y. Automotive ignition parts, including spark coils, distributor parts, etc. 390,827; Oct. 7; Serial No. 443,125; published July 29, 1941. Class 21.
Gero Products, Inc., South Boston, Mass. Insecticide crystals and pellets. 390,859; Oct. 7; Serial No. 443,758; published July 29, 1941. Class 6.
Gilman Bros. Inc., Boston, Mass. Hair-nets and handkerchiefs. 149,676; renewed Dec. 20, 1941.
Gray Marine Motor Company, Detroit, Mich. Marine engines. 390,896; Oct. 7. Class 23.
Great Atlantic & Pacific Tea Company, The, New York, N. Y. Liquid floor wax, and wax paste. 390,820; Oct. 7; Serial No. 442,844; published July 29, 1941. Class 16.
Gross, Victor L., Omaha, Nebr. Sandwiches. 390,835; Oct. 7; Serial No. 443,328; published July 29, 1941. Class 46.
Grosset & Dunlap, Inc., New York, N. Y. Series of books published periodically. 151,787–8; renewed Feb. 14, 1942.
Haering, D. W., and Company, Inc., Chicago, Ill. Chemical product used in water heating. 390,866; Oct. 7; Serial No. 443,884; published July 29, 1941. Class 6.
Hanna Coal Sales Company, Wilmington, Del. Coal. 390,891; Oct. 7. Class 1.
Harrower Laboratory, Inc., The, Glendale, Calif. Chocolate-coated compressed tablets. 390,884; Oct. 7; Serial No. 444,221; published July 29, 1941. Class 6.
Heddon's, James, Sons, Dowagiac, Mich. Artificial minnows. 146,246; renewed Sept. 6, 1941.
Heminway and Bartlett Silk Company, Watertown, Conn., and New York, N. Y. Mercerized mending cotton and darning cotton. 390,903; Oct. 7. Class 43.
Hewitt Soap Company, Inc., The, Dayton, Ohio. Soap. 390,826; Oct. 7; Serial No. 443,082; published July 29, 1941. Class 4.
Hillcrest Laboratories. (See Masarsky, Isaac.)
Hood Rubber Company, Watertown, Mass., assignor to Hood Rubber Company, Inc., Wilmington, Del. Rubber boots and shoes, rubber overshoes, and rubber-soled canvas shoes. 146,253; renewed Sept. 6, 1941.
Hollywood Toiletries. (See Navarro, Salvador C.)
Holophane Company, Inc., New York, N. Y. Glass and combination glass metal globes and reflectors. 390,829; Oct. 7; Serial No. 443,161; published July 29, 1941. Class 34.
Horlick's Malted Milk Corporation, Racine, Wis. Malted milk. 390,867; Oct. 7; Serial No. 443,886; published July 29, 1941. Class 46.
Hovden, K., Company, assignor to Hovden Food Products Corporation, Monterey, Calif. Canned fish. 151,808; renewed Feb. 14, 1942.
Independent Casing Company, Chicago, Ill. Hanked natural intestinal sausage casings. 390,830; Oct. 7; Serial No. 443,195; published July 29, 1941. Class 2.
International Braid Company, Providence, R. I. Shoe laces. 390,805; Oct. 7; Serial No. 441,021; published Apr. 29, 1941. Class 40.
International Latex Corporation, Dover, Del. Girdles. 390,766; Oct. 7; Serial No. 429,180; published July 29, 1941. Class 39.
International Nutrition Laboratory. (See Miller, Harry W.)
International Paper Company, New York, N. Y. Printing paper. 390,803; Oct. 7; Serial No. 440,938; published July 29, 1941. Class 37.
Isaacson Iron Works, Seattle, Wash. Tractors. 390,897; Oct. 7. Class 23.
Jarvinen, Viiho O., New York, N. Y. Cheese. 390,779; Oct. 7; Serial No. 434,331; published July 29, 1941. Class 46.
Jeffries Banknote Company, Los Angeles, Calif. Check paper. 390,847; Oct. 7; Serial No. 443,509; published July 29, 1941. Class 37.
Johnson, C. E., & Co., assignor to C. E. Johnson & Co., Inc., Chicago, Ill. Shoe-polish. 137,281; renewed Nov. 23, 1940.
Johnson, C. E., & Co., assignor to C. E. Johnson & Co., Inc., Chicago, Ill. Shoe-polish. 137,283; renewed Nov. 23, 1940.
Keith Furnace Company, Des Moines, Iowa. Oil, gas, and coal furnaces. 390,790; Oct. 7; Serial No. 438,202; published July 29, 1941. Class 34.
Kingwell Bros., assignor to Kingwell Bros., Ltd., San Francisco, Calif. Castings. 152,443; renewed Feb. 28, 1942.
Kleinert, I. B., Rubber Company, New York, N. Y. All-rubber baby pants, all-rubber waders, and all-rubber garment protectors. 152,446; renewed Feb. 28, 1942.
Kraft Cheese Company. (See Coon, Edward W., assignor.)
Kraft Cheese Company. (See Phenix Cheese Co., assignor.)
Leblanc, Talbot H., Brooklyn, N. Y. Face powders. 390,822; Oct. 7; Serial No. 442,906; published July 22, 1941. Class 6.
Leggett, Francis H., & Company, New York, N. Y. Canned pineapple. 390,887; Oct. 7; Serial No. 444,600; published July 29, 1941. Class 46.
Lehigh Steel Company, New York, N. Y. Steel for tools and dies and hand and pneumatic and electric drills. 390,782; Oct. 7; Serial No. 435,876; published July 29, 1941. Class 14.
Lentheric, Incorporated, New York, N. Y. Perfumes and cosmetic creams. 390,761; Oct. 7; Serial No. 405,992; published July 29, 1941. Class 6.
Lewittes & Sons, Inc., New York, N. Y. Upholstered sofas, couches, and chairs. 390,872–3; Oct. 7; Serial Nos. 443,982–3; published July 29, 1941. Class 32.
Light Conditioning Company of America, Inc., New York, N. Y. Panels of transparent or translucent glass suitable for partitions, screens, etc. 390,799; Oct. 7; Serial No. 440,419; published July 29, 1941. Class 33.
Lilly, Eli & Company, The, by change of name to Eli Lilly and Company, Indianapolis, Ind. Toilet powder. 149,910; renewed Dec. 27. 1941.
Linnwood Products Company. (See Gass, Walter S.)
Luban Co., The. (See Luban, William C.)
Luban, William C., doing business as The Luban Co., Tampa, Fla., assignor to Florence Citrus Growers Association, Florence Villa, Fla. Orange peel and grapefruit peel. 390,797; Oct. 7; Serial No. 440,011; published June 10, 1941. Class 46.
Maaskoff, L. C., doing business as Ventura Associates, Los Angeles, Calif. Mineral colloid used as a facial mask. 390,892; Oct. 7. Class 6.
Masarsky, Isaac, doing business as Hillcrest Laboratories, Spring Valley, N. Y. Pharmaceutical preparations used for external skin irritations, psoriasis, eczema, etc. 390,800; Oct. 7; Serial No. 441,778; published July 22, 1941. Class 6.
Massasoit Manufacturing Company, Fall River, Mass., assignor, by mesne assignments, to Massasoit Company, New York, N. Y. Wiping, polishing, and cleaning cloths. 151,865; renewed Feb. 14, 1942.
McKennedy, Sylvester, Unity, Ill. Medicinal compound. 390,801; Oct. 7; Serial No. 440,631; published July 29, 1941. Class 6.
McKesson & Robbins, Inc. (See Wardall, William J.)
Mercury Metal Die & Letter Co., Inc., Los Angeles, Calif. Steel and brass stamps, embossing dies, stamping dies, and steel type. 390,824; Oct. 7; Serial No. 443,047; published July 29, 1941. Class 23.
Mergenthaler Linotype Company, Brooklyn, N. Y. Matrices. 390,839–41; Oct. 7; Serial Nos. 443,424–6; published July 29, 1941. Class 50.
Mergenthaler Linotype Company, Brooklyn, N. Y. Matrices. 390,842; Oct. 7; Serial No. 443,428; published July 29, 1941. Class 50.
Mergenthaler Linotype Company, Brooklyn, N. Y. Matrices. 390,843; Oct. 7; Serial No. 443,430; published July 29, 1941. Class 50.
Metz, H. A., Laboratories, Inc., by consolidation to Winthrop Chemical Company, Inc., New York, N. Y. Anaesthetics and preparations for alleviating irritation and pain. 152,231–2; renewed Feb. 21, 1942.
Miller, Harry W., doing business as International Nutrition Laboratory, Mount Vernon, Ohio. Vegetable food drink in powdered form. 390,909; Oct. 7. Class 46.
Mitchell-Bissell Company, New York, N. Y. to Mitchell-Bissell Company, Trenton, N. J. Thread guides for textile machinery. 152,233; renewed Feb. 21, 1942.
Morris, Mann & Reilly, to Morris, Mann & Reilly, Inc., Chicago, Ill., successor. Powder puffs. 151,196; renewed Jan. 24, 1942.
Morton, Sundour, Fabrics Ltd., Dentonhill, Carlisle, England. Cotton piece goods. 152,237; renewed Feb. 21, 1942.
National Cereal Products Co., Chicago, Ill. Bread improver. 390,770; Oct. 7; Serial No. 431,800; published July 16, 1940. Class 46.
National Starch Products Inc., New York, N. Y. Laundry starches. 390,856–7; Oct. 7; Serial Nos. 443,727–8; published July 29, 1941. Class 6.
Navarro, Salvador C., doing business as Hollywood Toiletries, Los Angeles, Calif. Toilet preparations suitable for the waving of hair. 390,898; Oct. 7. Class 6.
New Cone Company, Chicago, Ill. Ice cream cones. 390,904; Oct. 7. Class 46.
Ninol, Inc., Chicago, Ill. Interface modifying agents. 390,772; Oct. 7; Serial No. 432,730; published July 22, 1941. Class 6.
Norwich Pharmacal Company, The, Norwich, N. Y. Douche powder. 390,765; Oct. 7; Serial No. 428,996; published July 29, 1941. Class 6.
Ohio Valley Drug Company, Wheeling, W. Va. Elixir rhubarb alkaline with pancreating. 151,894; renewed Feb. 14, 1942.
Pacific Grape Products Company, Modesto, Calif. Canned fruit. 390,901; Oct. 7. Class 46.
Packard Motor Car Company, Detroit, Mich. Automobiles. 147,803; renewed Nov. 1, 1941.
Palmer Corporation, The, Sarasota, Fla. Canned celery. 390,764; Oct. 7; Serial No. 425,011; published July 29, 1941. Class 46.
Pantasote Leather Company, Passaic, N. J. Waterproof cloth in the piece. 151,898; renewed Feb. 14, 1942.
Parents' Institute, Inc., The, New York, N. Y. Publication. 390,851; Oct. 7; Serial No. 443,543; published July 22, 1941. Class 38.
Parke, Davis & Company, Detroit, Mich. Oil solution of bismuth. 390,795; Oct. 7; Serial No. 439,828; published July 29, 1941. Class 6.
Pennant Oil & Grease Company, Los Angeles, Calif. Lubricating oils and greases and gasolene. 147,367; renewed Oct. 11, 1941.

Perfex Radiator Company, Racine, Wis., assignor, by mesne assignments, to Perfex Corporation, Milwaukee, Wis. Automobile-radiators. 148,703; renewed Nov. 22, 1941.
Petges, Inc., New York, N. Y. Hairdressing. 390,885; Oct. 7; Serial No. 444,387; published July 29, 1941. Class 6.
Petrolite Corporation, Ltd., Webster Groves, Mo. Chemical agent for inhibiting, preventing, and removing deposits of asphalt, wax, and paraffin in oil wells. 390,863; Oct. 7; Serial No. 443,816; published July 22, 1941. Class 6.
Phenix Cheese Co., New York, N. Y., assignor, by mesne assignments, to Kraft Cheese Company, Chicago, Ill. Milk-sugar. 148,210; renewed Nov. 8, 1941.
Phillips, Beth, Hollywood, Calif. Musical records for use on phonographs. 390,808; Oct. 7; Serial No. 441,687; published July 29, 1941. Class 36.
Piedmont Cotton Mills, Egan, Ga. Cotton thread and yarns. 390,813; Oct. 7; Serial No. 442,209; published July 29, 1941. Class 43.
Pioneer Rubber Company, The, Willard, Ohio. Household rubber gloves. 390,785; Oct. 7; Serial No. 437,415; published July 29, 1941. Class 39.
Police and Fire Publishing Co., Chicago, Ill. Periodical publication. 390,902; Oct. 7. Class 38.
Pond's Extract Company, New York, N. Y. Lipsticks. 390,848; Oct. 7; Serial No. 443,515; published July 8, 1941. Class 6.
Procter & Gamble Company, The, Cincinnati, Ohio. Cocoanut-oil. 146,337; renewed Sept. 6, 1941.
Remington Arms Company, Inc., Bridgeport, Conn. Cutlery, particularly butcher and household knives, etc. 390,771; Oct. 7; Serial No. 432,101; published July 29, 1941. Class 23.
Resinous Products & Chemical Company, The, Philadelphia, Pa. Material for use in removing or replacing metallic or non-metallic ions or acid forming constituents from fluids. 390,787; Oct. 7; Serial No. 437,741; published July 22, 1941. Class 6.
Richardson Company, The, Lockland, Ohio. Composite electrical insulating materials in sheet form. 390,888; Oct. 7. Class 21.
Rogers, Lunt & Bowlen Company. (See Franklin Silver Plate Company.)
Sackman Brothers Company, New York, N. Y. Children's one-piece overalls, two-piece overalls, and rompers. 152,491; renewed Feb. 28, 1942.
Santore, Joseph, Oscoola Mills, Pa. Preparation for stomach ulcers. 390,798; Oct. 7; Serial No. 440,267; published July 29, 1941. Class 6.
Scalia's, Portland, Oreg. Sliced raw vegetable salads. 390,802; Oct. 7; Serial No. 440,735; published July 22, 1941. Class 46.
Schabelitz, Ernest J., doing business as Schabelitz Research Laboratories, San Diego, Calif. Prophylactic. 390,816; Oct. 7; Serial No. 442,805; published July 29, 1941. Class 6.
Schoenholz, Rosa, doing business as Bellewood Mfg. Co., San Francisco, Calif. Hair-remover and face-cleanser. 146,137; renewed Aug. 30, 1941.
Schwarz Laboratories Inc., New York, N. Y. Medicinal preparation. 390,876; Oct. 7; Serial No. 444,016; published July 29, 1941. Class 6.
Schwarze Electric Co., Adrian, Mich. Electrically illuminated signs and parts thereof. 390,881; Oct. 7; Serial No. 444,099; published July 29, 1941. Class 21.
Scott Paper Company, Chester, Pa. Toilet tissue. 390,852; Oct. 7; Serial No. 443,580; published July 29, 1941. Class 37.
Seaman-Patrick Paper Co., Detroit, Mich. Enamel paper. 152,498; renewed Feb. 28, 1942.
Sears, Roebuck and Co., Chicago, Ill. Candles. 147,033; renewed Sept. 27, 1941.
Sears, Roebuck and Co., Chicago, Ill. Tire pumps. 390,877; Oct. 7; Serial No. 444,017; published July 29, 1941. Class 23.
Sears, Roebuck and Co., Chicago, Ill. Ball bearings. 390,878; Oct. 7; Serial No. 444,018; published July 29, 1941. Class 23.
Sebastiani Canning Co., Sonoma, Calif. Canned fruits. 390,895; Oct. 7. Class 46.
Shapleigh Hardware Company, St. Louis, Mo. Certain cutlery, machines, and tools. 146,607; renewed Sept. 13, 1941.
Sheaffer, W. A., Pen Company, Fort Madison, Iowa. Fountain pens and pencils. 390,844; Oct. 7; Serial No. 443,434; published July 29, 1941. Class 37.
Sherwin-Williams Company, The, Cleveland, Ohio. Preparation for the removal of paints, varnishes, etc. 151,233; renewed Jan. 24, 1942.
Sherwin-Williams Company, Cleveland, Ohio. Soaps and leather dressings and metal polish. 151,946; renewed Feb. 14, 1942.
Sherwin-Williams Company, The, Cleveland, Ohio. Insecticides and fungicides. 390,837; Oct. 7; Serial No. 443,375; published July 29, 1941. Class 6.
Sjostrom, Robert L., doing business as Sjostrom Machine Company, Lawrence, Mass. Metallic conveyor link belts for feeders and conveyors. 390,821; Oct. 7; Serial No. 442,855; published July 29, 1941. Class 23.
Southern Carbon Company, Monroe, La. Particulate carbon. 390,823; Oct. 7; Serial No. 443,022; published July 29, 1941. Class 6.
Stalker Manufacturing Company, Inc., New York, N. Y. Saddle soap. 390,810; Oct. 7; Serial No. 441,799; published July 29, 1941. Class 4.
Standard Brands Incorporated. (See Fleischmann Company, The, assignor.)
Standard Brands Incorporated, New York, N. Y. Frozen vegetables. 390,767; Oct. 7; Serial No. 429,793; published July 9, 1940. Class 46.
Standard Oil Development Company, Linden, N. J. Synthetic rubber, rubber substitutes, and rubber-like materials. 390,792; Oct. 7; Serial No. 438,963; published July 29, 1941. Class 1.
Stark, Everett C., Vancouver, British Columbia, Canada. Bottle closures. 390,894; Oct. 7. Class 50.
Stein, S., & Co., New York, N. Y. Woolen piece goods. 152,515; renewed Feb. 28, 1942.
Stiegelmeier, Harvey L., Normal, Ill. Hybrid seed corn. 390,890; Oct. 7. Class 1.
Super-Mount Products Co., New York, N. Y. Lens mountings. 390,893; Oct. 7. Class 26.
Sweet Orchard Company, assignor to Burkart Bros., Inc., Chicago, Ill. Non-alcoholic beverages and syrup for flavoring the same made from fruits. 147,702; renewed Oct. 25, 1941.
Sylvania Industrial Corporation, Fredericksburg, Va., and New York, N. Y. Nonfibrous cellulosic material. 390,836; Oct. 7; Serial No. 443,351; published July 29, 1941. Class 50.
Taffae & Bellion, to Leon Taffae, doing business as Taffae & Bellion, New York, N. Y., successor. Raw coffee. 149,741–2; renewed Dec. 20. 1941.
Talk-A-Vision Inc., New York, N. Y. Coin operated moving picture machines. 390,793; Oct. 7; Serial No. 439,386; published Mar. 11, 1941. Class 26.
Ter-O-Sul Products Co., Inc., New York, N. Y. Powder for foot bath. 390,780; Oct. 7; Serial No. 435,184; published July 29, 1941. Class 6.
Thomas & Betts Co., The, Elizabeth, N. J. Electrical conduit fittings. 390,789; Oct. 7; Serial No. 438,186; published Jan. 21, 1941. Class 21.
Tokheim Oil Tank and Pump Company, Fort Wayne, Ind. Hand pumps for handling gasoline, oils, and liquids. 390,905; Oct. 7. Class 23.
Trimz Company, Inc., Chicago, Ill. Decorative paper specialties. 390,849; Oct. 7; Serial No. 443,523; published July 29, 1941. Class 37.
Turco Products, Inc., Los Angeles, Calif. Cleaning compounds. 390,815; Oct. 7; Serial No. 442,642; published July 29, 1941. Class 4.
Turco Products, Inc., Los Angeles, Calif. Soapless chemical foaming compound used in the cleaning of automobiles and other vehicle bodies, and machinery. 390,889; Oct. 7. Class 4.
Tzouvelekas, James A., Greenville, S. C. Canned vegetables. 390,900; Oct. 7. Class 46.
Universal Battery Company, assignor to Universal Battery Company, Chicago, Ill. Wet storage batteries. 150,991; renewed Jan. 10, 1942.
Van Camp Sea Food Co., Inc., Terminal Island, Calif. Dinner-ware and baking dishes. 390,834; Oct. 7; Serial No. 443,310; published July 29, 1941. Class 30.
Ventura Associates. (See Maaskoff, L. C.)
Vimco Mfg. Company, Inc., Buffalo, N. Y. Electrical appliances. 151,623; renewed Feb. 7, 1942.
Vitamed Corporation, New York, N. Y. Pharmaceutical tablets consisting of vitamin B complex with iron. 390,807; Oct. 7; Serial No. 441,555; published July 22, 1941. Class 6.
Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Slide fasteners. 390,828; Oct. 7; Serial No. 443,148; published July 29, 1941. Class 13.
Wall, Howard, Limited, London, England. Measuring tapes. 390,806; Oct. 7; Serial No. 441,422; published July 29, 1941. Class 26.
Ward Baking Company, New York, N. Y. Cake. 151,999; renewed Feb. 14, 1942.
Ward Baking Company, New York, N. Y. Bread. 152,000; renewed Feb. 14, 1942.
Ward Baking Company, New York, N. Y. Bread. 152,290; renewed Feb. 21, 1942.
Ward Baking Company, New York, N. Y. Cake. 152,291; renewed Feb. 21, 1942.
Wardall, William J., trustee for the estate of McKesson & Robbins, Inc., debtor, doing business as The Cameo Co., New York, N. Y., and San Francisco, Calif. American and Russian mineral oil, beef, wine and iron, citrates, etc. 390,814; Oct. 7; Serial No. 442,438; published July 29, 1941. Class 6.
Wayne Knitting Mills, Fort Wayne, Ind. Device to measure the length and width of hosiery for ladies and misses. 390,879; Oct. 7; Serial No. 444,024; published July 29, 1941. Class 26.
Weco Products Company. (See Western Bottl Manufacturing Company.)
Wessel, Herman, assignor to Wessel Bedding Company, Cincinnati, Ohio. Box mattresses, cotton-top mattresses, hair mattresses, cotton-felt mattresses, pillows. 152,002; renewed Feb. 14, 1942.

Western Bottl Manufacturing Company, by change of name to Weco Products Company, Chicago, Ill. Hairnets. 148,960; renewed Nov. 29, 1941.

Westinghouse Air Brake Company, The, Wilmerding, Pa. Electric anti-wheel-slide control units, electric car couplers, electric compressor governors, etc. 390,882; Oct. 7; Serial No. 444,111; published July 29, 1941. Class 21.

Williams, J. H., & Co., Brooklyn, N. Y., to J. H. Williams & Co., Buffalo, N. Y. Wrenches, tool holders, lathe dogs, clamps. 152,551; renewed Feb. 28, 1942.

Williams, R. C., & Company, Inc., New York, N. Y. Salad dressing and baking powder. 390,864; Oct. 7; Serial No. 443,827; published July 29, 1941. Class 46.

Winship, Bolt & Co., Wakefield, Mass., and New York, N. Y., assignor to Winship-Bolt Company, Wakefield, Mass. Piece goods and veilings. 152,299–300; renewed Feb. 21, 1942.

Winthrop Chemical Company. (See Metz, H. A., Laboratories, Inc.)

Wolfenden, Harry C., doing business as R. Wolfenden & Sons, Attleboro, Mass. Yarn. 390,874; Oct. 7; Serial No. 443,992; published July 29, 1941. Class 43.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Clay and charcoal. American Reedcraft Corporation. 390,831; Oct. 7; Serial No. 443,274; published July 29, 1941.

Coal. General Coal Company. 390,845; Oct. 7; Serial No. 443,456; published July 29, 1941.

Coal. Hanna Coal Sales Company. 390,891; Oct. 7.

Corn, Hybrid seed. H. L. Stiegelmeier. 390,890; Oct. 7.

Rubber, rubber substitutes and rubber-like materials. Standard Oil Development Company. 390,792; Oct. 7; Serial No. 438,963; published July 29, 1941.

CLASS 2

Cartons, Folding. Container Corporation of America. 390,912; Oct. 7.

Jugs, Vacuum and heat-insulated. Firestone Tire & Rubber Company. 390,880; Oct. 7; Serial No. 444,043; published July 29, 1941.

Sausage casings, Hanked natural intestinal. Independent Casing Company. 390,830; Oct. 7; Serial No. 443,195; published July 29, 1941.

CLASS 3

Handbags, Ladies'. V. Berkowitz. 390,854; Oct. 7; Serial No. 443,648; published July 29, 1941.

CLASS 4

Belt dressings, Liquid. Beltraction Company. 390,850; Oct. 7; Serial No. 443,530; published July 29, 1941.

Chemical compounds for use as detergents, Soluble. Electric Smelting & Aluminum Co. Inc. 151,745–6; renewed Feb. 14, 1942.

Cleaner for Venetian blinds. Blind-Brite Company. 390,899; Oct. 7.

Cleaning compounds. Turco Products, Inc. 390,815; Oct. 7; Serial No. 442,642; published July 29, 1941.

Detergent. Biotex Co. 390,819; Oct. 7; Serial No. 442,827; published July 29, 1941.

Dry cleaning fluids and Stoddard solvent. California Texas Oil Company, Limited. 390,788; Oct. 7; Serial No. 438,033; published July 29, 1941.

Polish, Shoe. C. E. Johnson & Co. 137,281; renewed Nov. 23, 1940.

Polish, Shoe. C. E. Johnson & Co. 137,283; renewed Nov. 23, 1940.

Soap. Botany Worsted Mills. 390,858; Oct. 7; Serial No. 443,745; published July 29, 1941.

Soap. Hewitt Soap Company. 390,826; Oct. 7; Serial No. 443,082; published July 29, 1941.

Soap, Saddle. Stalker Manufacturing Company. 390,810; Oct. 7; Serial No. 441,799; published July 29, 1941.

Soapless chemical foaming compound used in cleaning automobiles, and other vehicle bodies and machinery. Turco Products, Inc. 390,889; Oct. 7.

Soaps and leather dressings and metal polish, Certain named. Sherwin-Williams Company. 151,946; renewed Feb. 14, 1942.

Wiping, polishing, and cleaning cloths. Massasoit Manufacturing Company. 151,865; renewed Feb. 14, 1942.

CLASS 6

Alkaline with pancreatin, Elixir rhubarb. Ohio Valley Drug Company. 151,894; renewed Feb. 14, 1942.

Anaesthetics and preparations for alleviating irritation and pain. H. A. Metz Laboratories, Inc. 152,231–2; renewed Feb. 21, 1942.

Bismuth, Oil solution of. Parke, Davis & Company. 390,795; Oct. 7; Serial No. 439,828; published July 29, 1941.

Carbon, Particulate. Southern Carbon Company. 390,823; Oct. 7; Serial No. 443,022; published July 29, 1941.

Chemical agent for inhibiting, preventing, and removing deposits of asphalt, wax and paraffin in oil wells. Petrolite Corporation, Ltd. 390,863; Oct. 7; Serial No. 443,816; published July 22, 1941.

Chemical organic detergent penetrant and wetting agent. Canusa Corporation. 390,777; Oct. 7; Serial No. 432,930; published July 22, 1941.

Chemical organic moth-proofing agent. Canusa Corporation. 390,776; Oct. 7; Serial No. 432,929; published July 22, 1941.

Chemical organic rapid wetting agent. Canusa Corporation. 390,775; Oct. 7; Serial No. 432,928; published July 22, 1941.

Chemical organic repellent agent. Canusa Corporation. 390,778; Oct. 7; Serial No. 432,931; published July 22, 1941.

Chemical organic softening agent. Canusa Corporation. 390,774; Oct. 7; Serial No. 432,927; published July 22, 1941.

Chemical powder for control of certain pests. Destruxol Corporation, Ltd. 390,860; Oct. 7; Serial No. 443,756; published July 22, 1941.

Chemical product used in water treating. D. W. Haering and Company. 390,866; Oct. 7; Serial No. 443,884; published July 29, 1941.

Tablets, Chocolate-coated compressed. Harrower Laboratory, Inc. 390,884; Oct. 7; Serial No. 444,221; published July 29, 1941.

Corn starch. Clinton Company. 390,773; Oct. 7; Serial No. 432,884; published July 29, 1941.

Cosmetics and beauty preparations. J. Cochran. 390,871; Oct. 7; Serial No. 443,974; published July 22, 1941.

Dentifrice. H. L. Crowther. 390,781; Oct. 7; Serial No. 435,968; published July 22, 1941.

Douche powder. Norwich Pharmacal Company. 390,765; Oct. 7; Serial No. 428,996; published July 29, 1941.

Dyestuffs. Geigy Company. 151,486; renewed Feb. 7, 1942.

Face powders. T. H. Leblanc. 390,822; Oct. 7; Serial No. 442,906; published July 22, 1941.

Hairdressing. Burton Bros. Inc. 390,911; Oct. 7.

Hairdressing. Petges, Inc. 390,885; Oct. 7; Serial No 444,387; published July 29, 1941.

Hair grower. J. Cetrulo. 152,131; renewed Feb. 21 1942.

Hair-remover and face-cleanser. R. Schoenholz. 146,137; renewed Aug. 30, 1941.

Hardening materials. Deutsch Gold-Und Silber-Scheideanstalt. 390,762; Oct. 7; Serial No. 409,386; published July 22, 1941.

Insect repelling preparation. American Drug & Chemical Company. 390,855; Oct. 7; Serial No. 443,678; published July 29, 1941.

Insecticide crystals and pellets. Gero Products, Inc. 390,859; Oct. 7; Serial No. 443,758; published July 29, 1941.

Insecticides and disinfectants. Corkings Chemical Co. 390,838; Oct. 7; Serial No. 443,405; published July 22, 1941.

Insecticides and fungicides. Sherwin-Williams Company. 390,837; Oct. 7; Serial No. 443,375; published July 29, 1941.

Interface modifying agents. Ninol, Inc. 390,772; Oct. 7; Serial No. 432,730; published July 22, 1941.

Lipsticks. Pond's Extract Company. 390,848; Oct. 7; Serial No. 443,515; published July 8, 1941.

Material for use in removing or replacing metallic or non-metallic ions or acid forming constituents from fluids. Resinous Products & Chemical Company. 390,787; Oct. 7; Serial No. 437,741; published July 22, 1941.

Medicinal compound. S. McKennedy. 390,801; Oct. 7; Serial No. 440,631; published July 29, 1941.

Medicinal preparation. Schwarz Laboratories Inc. 390,876; Oct. 7; Serial No. 444,016; published July 29, 1941.

Medicinal preparation for the treatment of diabetes, gastric irritations, burns, etc. L. M. Faught. 390,846; Oct. 7; Serial No. 443,501; published July 22, 1941.

Mineral colloid used as a facial mask. L. C. Maaskoff. 390,892; Oct. 7.

Mineral oil, beef, wine, and iron citrates, etc., American and Russian. W. J. Wardall. 390,814; Oct. 7; Serial No. 442,438; published July 29, 1941.

Oxygen consuming preparation for use in fluid analyzing apparatus. Bailey Meter Company. 390,796; Oct. 7; Serial No. 439,989; published July 22, 1941.

Perfumes and cosmetic creams. Lentheric, Incorporated. 390,761; Oct. 7; Serial No. 405,992; published July 29, 1941.

Pharmaceutical preparations used for external skin irritations, psoriasis, eczema, etc. I. Masarsky. 390,809; Oct. 7; Serial No. 441,778; published July 22, 1941.

Pharmaceutical tablets consisting of Vitamin B complex with iron. Vitamed Corporation. 390,807; Oct. 7; Serial No. 441,555; published July 22, 1941.

Powder for foot bath. Ter-O-Sul Products Co. 390,780; Oct. 7; Serial No. 435,184; published July 29, 1941.

Preparation for stomach ulcers. J. Santore. 390,798; Oct. 7; Serial No. 440,267; published July 29, 1941.

Prophylactic. E. J. Scanbelitz. 390,816; Oct. 7; Serial No. 442,805; published July 29, 1941.

Solutions used in the permanent waving of hair. E. Frederics, Inc. 390,791; Oct. 7; Serial No. 438,304; published July 22, 1941.

Starches, Laundry. National Starch Products Inc. 390,856–7; Oct. 7; Serial Nos. 443,727–8; published July 29, 1941.

Toilet powder. Eli Lilly & Company. 149,910; renewed Dec. 27, 1941.

Toilet preparations suitable for the waving of hair. S. C. Navarro. 390,898; Oct. 7.

Vitamin tonic, Iron. Chattanooga Drug & Chemical Company. 390,886; Oct. 7; Serial No. 444,398; published July 29, 1941.

Wave-set, waving fluid, superquick drying wave-set, cocoanut oil soap shampoo, etc. F. E. I. Corporation. 390,910; Oct. 7.

CLASS 13

Slide fasteners. Waldes Koh-I-Noor, Inc. 390,828; Oct. 7; Serial No. 443,148; published July 29, 1941.

Toilet seats, Auxiliary children's. Boston Leather Specialties Company. 390,784; Oct. 7; Serial No. 436,539; published July 29, 1941.

Window-regulators. Dura Mechanical Hardware Co., Inc. 149,907; renewed Dec. 27, 1941.

CLASS 14

Castings. Kingwell Bros. 152,443; renewed Feb. 28, 1942.

Metal powders. Francois Cementation Company Limited. 390,883; Oct. 7; Serial No. 444,146; published July 29, 1941.

Steel for tools and dies. Lehigh Steel Company. 390,782; Oct. 7; Serial No. 435,876; published July 29, 1941.

CLASS 15

Oil, Lubricating. Bayview Oil Company. 390,763; Oct. 7; Serial No. 424,535; published Oct. 29, 1940.

Oils and greases and gasolene, Lubricating. Pennant Oil & Grease Company. 147,367; renewed Oct. 11, 1941.

CLASS 16

Lacquers for coating wood, textile fabrics, and paper, Synthetic. Cleaveland Laboratories & Manufacturing Company. 390,906; Oct. 7.

Paints, varnishes, enamels, and shellacs, etc. Breinig Brothers, Inc. 151,089; renewed Jan. 24, 1942.

Preparation for the removal of paints, varnishes, etc. Sherwin-Williams Company. 151,233; renewed Jan. 24, 1942.

Turpentine. Duryea Products Company. 390,769; Oct. 7; Serial No. 431,548; published July 29, 1941.

Wax, Liquid floor, and wax paste. Great Atlantic & Pacific Tea Company. 390,820; Oct. 7; Serial No. 442,844; published July 29, 1941.

Wax, Surfacing. Fuld Bros. 390,825; Oct. 7; Serial No. 443,078; published July 29, 1941.

CLASS 19

Airplanes. General Aircraft Corporation. 390,870; Oct. 7; Serial No. 443,928; published July 29, 1941.

Automobiles. Packard Motor Car Company. 147,803; renewed Nov. 1, 1941.

Automobile-radiators. Perfex Radiator Company. 148,703; renewed Nov. 22, 1941.

CLASS 21

Batteries, Wet storage. Universal Battery Company. 150,991; renewed Jan. 10, 1942.

Conduit fittings, Electrical. Thomas & Betts Co. 390,789; Oct. 7; Serial No. 438,186; published Jan. 21, 1941.

Electric anti-wheel-slide control units car couplers, compressor governors, etc. Westinghouse Air Brake Company. 390,882; Oct. 7; Serial No. 444,111; published July 29, 1941.

Electric motors. Birtman Electric Company. 151,431; renewed Feb. 7, 1942.

Electrical appliances. Vinco Mfg. Company. 151,623; renewed Feb. 7, 1942.

Electrical insulating material in sheet form, Composite. Richardson Company. 390,888; Oct. 7.

Fixtures, Electric lighting. Day-Brite Lighting, Inc. 390,768; Oct. 7; Serial No. 430,492; published June 4, 1940.

Fuses and cut-outs, Electric. Bussmann Manufacturing Company. 135,207; renewed Sept. 28, 1940.

Ignition parts, Automotive. General Products Corporation. 390,827; Oct. 7; Serial No. 443,125; published July 29, 1941.

Lamps, starting and ignition devices for gas engines, and cigar lighters, Electric. Cuno Engineering Corporation. 151,457; renewed Feb. 7, 1942.

Radio receivers. General Electric Company. 390,804; Oct. 7; Serial No. 441,017; published July 29, 1941.

Signs and parts thereof, Electrically illuminated. Schwarze Electric Co. 390,881; Oct. 7; Serial No. 444,099; published July 29, 1941.

CLASS 22

Artificial minnows. James Heddon's Sons. 146,246; renewed Sept. 6, 1941.

Toy carpet-sweepers. Bissell Carpet Sweeper Co. 148,999–149,000; renewed Dec. 6, 1941.

CLASS 23

Axles for automotive vehicles, Overdrive. Columbia Axle Company. 390,783; Oct. 7; Serial No. 436,252; published July 29, 1941.

Ball bearings. Sears, Roebuck and Co., Chicago, Ill. 390,878; Oct. 7; Serial No. 444,018; published July 29, 1941.

Belts, Metallic conveyor link. R. L. Sjostrom. 390,821; Oct. 7; Serial No. 442,855; published July 29, 1941.

Cutlery. Remington Arms Company. 390,771; Oct. 7; Serial No. 432,101; published July 29, 1941.

Cutlery, machines, and tools. Shapleigh Hardware Company. 146,607; renewed Sept. 13, 1941.

Engines, Marine. Gray Marine Motor Company. 390,896; Oct. 7.

Knives and blades therefor, Furriers'. Dernburg Fur Company. 390,869; Oct. 7; Serial No. 443,924; published July 29, 1941.

Lathes and automatic lathes, parts thereof, and tools for said lathes. André Bechler. 147,923; renewed Nov. 8, 1941.

Mufflers. Gamble Stores Incorporated. 390,833; Oct. 7; Serial No. 443,288; published July 29, 1941.

Pliers. Forged Steel Products Co. of N. J. 141,355; renewed Apr. 19, 1941.

Pumps for handling gasoline, oils, and liquids, Hand. Tokheim Oil Tank and Pump Company. 390,905; Oct. 7.

Pumps, Tire. Sears, Roebuck and Co. 390,877; Oct. 7; Serial No. 444,017; published July 29, 1941.

Steel and brass stamps, dies, embossing dies, and steel type. Mercury Metal Die & Letter Co. 390,824; Oct. 7; Serial No. 443,047; published July 29, 1941.

Thread guides for textile machinery. Mitchell-Bissell Company. 152,233; renewed Feb. 21, 1942.

Tractors. Isaacson Iron Works. 390,897; Oct. 7.

Wrenches, tool holders, lathe dogs, clamps. J. H. Williams & Co. 152,551; renewed Feb. 28, 1942.

CLASS 26

Device to measure the length and width of hosiery for ladies and misses. Wayne Knitting Mills. 390,879; Oct. 7; Serial No. 444,024; published July 29, 1941.

Lens mountings. Super-Mount Products Co. 390,893; Oct. 7.

Picture machines, Coin operated moving. Talk-a-Vision Inc. 390,793; Oct. 7; Serial No. 439,368; published Mar. 11, 1941.

Tapes, Measuring. H. Wall, Limited. 390,806; Oct. 7; Serial No. 441,422; published July 29, 1941.

CLASS 28

Metal ware, Precious. Franklin Silver Plate Company. 151,482; renewed Feb. 7, 1942.

CLASS 29

Powder puffs. Morris, Mann & Reilly. 151,196; renewed Jan. 24, 1942.

CLASS 30

Dinner-ware and baking dishes. Van Camp Sea Food Co. 390,834; Oct. 7; Serial No. 443,310; published July 29, 1941.

CLASS 32

Mattresses and pillows. H. Wessel. 152,002; renewed Feb. 14, 1942.

Sofas, couches, and chairs, Upholstered. Lewittes & Sons, Inc. 390,872–3; Oct. 7; Serial Nos. 443,982–3; published July 29, 1941.

CLASS 33

Glass suitable for partitions, screens, etc., Panels of transparent or translucent. Light Conditioning Company of America, Inc. 390,799; Oct. 7; Serial No. 440,419; published July 29, 1941.

CLASS 34

Furnaces, Oil, gas, and coal. Keith Furnace Company. 390,790; Oct. 7; Serial No. 438,202; published July 29, 1941.

Globes and reflectors, Glass and combination glass metal. Holophane Company. 390,829; Oct. 7; Serial No. 443,161; published July 29, 1941.

CLASS 36

Musical records. B. Phillips. 390,808; Oct. 7; Serial No. 441,687; published July 29, 1941.

CLASS 37

Crayons, erasers, writing paper, etc. American Reedcraft Corporation. 390,832; Oct. 7; Serial No. 443,275; published July 29, 1941.

Fountain pens and pencils. W. A. Sheaffer Pen Company. 390,844; Oct. 7; Serial No. 443,434; published July 29, 1941.
Paper and cloth used for book-covers, Prepared. Dux Chemical Solutions Company Limited. 148,002; renewed Nov. 8, 1941.
Paper, Check. Jeffries Banknote Company. 390,847; Oct. 7; Serial No. 443,509; published July 29, 1941.
Paper, Enamel. Seaman-Patrick Paper Co. 152,498; renewed Feb. 28, 1942.
Paper, Printing. International Paper Company. 390,803; Oct. 7; Serial No. 440,938; published July 29, 1941.
Paper specialties, Decorative. Trimz Company. 390,849; Oct. 7; Serial No. 443,523; published July 29, 1941.
Tissue, Toilet. Scott Paper Company. 390,852; Oct. 7; Serial No. 443,580; published July 29, 1941.

CLASS 38

Books published periodically, Series of. Grosset & Dunlap, Inc. 151,787–8; renewed Feb. 14, 1942.
Publication. Parents' Institute, Inc. 390,851; Oct. 7; Serial No. 443,543; published July 22, 1941.
Publication, Periodical. Police and Fire Publishing Co. 390,902; Oct. 7.

CLASS 39

Boots and shoes, Rubber. Hood Rubber Company. 146,253; renewed Sept. 6, 1941.
Clothing, Men's. Abraham & Straus, Inc. 390,865; Oct. 7; Serial No. 443,829; published July 29, 1941.
Girdles. International Latex Corporation. 390,766; Oct. 7; Serial No. 429,180; published July 29, 1941.
Gloves, Household rubber. Pioneer Rubber Company. 390,785; Oct. 7; Serial No. 437,415; published July 29, 1941.
Hair nets. N. B. Cohen. 150,776; renewed Jan. 10, 1942.
Hair-nets. Western Bottle Manufacturing Company. 148,960; renewed Nov. 29, 1941.
Hair-nets and handkerchiefs. Gilman Bros. Inc. 149,676; renewed Dec. 20, 1941.
Knit goods. Burson Knitting Company. 151,694; renewed Feb. 14, 1942.
Overalls, two-piece overalls, and rompers, Children's one-piece. Sackman Brothers Company. 152,491; renewed Feb. 28, 1942.
Pants, all-rubber waders, and all-rubber garment protectors, All-rubber baby. I. B. Kleinert Rubber Company. 152,446; renewed Feb. 28, 1942.
Shoes. Field and Flint Co. 390,862; Oct. 7; Serial No. 443,808; published July 29, 1941.
Sweaters, bathing suits, scarfs, etc. S. Augstein & Co. 390,794; Oct. 7; Serial No. 439,382; published July 29, 1941.

CLASS 40

Clips and clasps and garment buckles. Paul E. Flato. 390,907–8; Oct. 7.
Shoe laces. International Braid Company. 390,805; Oct. 7; Serial No. 441,021; published Apr. 29, 1941.

CLASS 42

Cloths and fabrics in the piece. American Cellulose & Chemical Manufacturing Company. 149,817; renewed Dec. 27, 1941.
Cotton piece goods. Morton Sundour Fabrics Ltd. 152,237; renewed Feb. 21, 1942.
Piece goods. N. Erlanger, Blumgart & Co. 152,394; renewed Feb. 28, 1942.
Piece goods and veilings. Winship, Boit & Co. 152,299–300; renewed Feb. 21, 1942.
Piece goods, Textile. Aqua-Sec Corporation. 390,800; Oct. 7; Serial No. 440,486; published July 29, 1941.
Piece goods, Woolen. Folkard & Lawrence, Inc. 390,875; Oct. 7; Serial No. 444,000; published July 29, 1941.
Piece goods, Woolen. S. Stein & Co. 152,515; renewed Feb. 28, 1942.

CLASS 43

Cotton and darning cotton, Mercerized mending. Hemlinway and Bartlett Silk Company. 390,903; Oct. 7.
Thread and yarn, Cotton. Piedmont Cotton Mills. 390,813; Oct. 7; Serial No. 442,209; published July 29, 1941.
Thread used in packaging, weaving, etc. Freydberg Bros., Inc. 390,786; Oct. 7; Serial No. 437,722; Mar. 11, 1941.
Yarn. H. C. Wolfenden. 390,874; Oct. 7; Serial No. 443,992; published July 29, 1941.
Yarn, Machine woolen and worsted knitting. Botany Worsted Mills. 390,811; Oct. 7; Serial No. 441,853; published July 29, 1941.
Yarns. E. Bernat & Sons Co. 390,817–18; Oct. 7; Serial Nos. 442,825–6; published July 22, 1941.
Yarns and thread made of silk and also of artificial silk. American Cellulose & Chemical Manufacturing Company. 151,067; renewed Jan. 24, 1942.
Yarns and threads. Cherokee Spinning Company. 149,356; renewed Dec. 13, 1941.

CLASS 45

Beverages and syrup for flavoring the same made from fruits, Non-alcoholic. Sweet Orchard Company. 147,702; renewed Oct. 25, 1941.

CLASS 46

Bread. Ward Baking Company. 152,000; renewed Feb. 14, 1942.
Bread. Ward Baking Company. 152,290; renewed Feb. 21, 1942.
Bread improver. National Cereal Products Co. 390,770; Oct. 7; Serial No. 431,800; published July 16, 1940.
Cake. Ward Baking Company. 151,999; renewed Feb. Feb. 14, 1942.
Cake. Ward Baking Company. 152,291; renewed Feb. 21, 1942.
Candies. Sears, Roebuck and Co. 147,033; renewed Sept. 27, 1941.
Canned celery. Palmer Corporation. 390,764; Oct. 7; Serial No. 425,011; published July 29, 1941.
Canned fish. K. Hovden Company. 151,808; renewed Feb. 14, 1942.
Canned fruit. Pacific Grape Products Company. 390,901; Oct. 7.
Canned fruits. Sebastiani Canning Co. 390,895; Oct. 7.
Canned pineapple. Francis H. Leggett & Company. 390,887; Oct. 7; Serial No. 444,600; published July 29, 1941.
Canned vegetables. J. A. Tzouvelekas. 390,900; Oct. 7.
Cheese. E. W. Coon. 147,970; renewed Nov. 8, 1941.
Cheese. V. O. Jarvinen. 390,779; Oct. 7; Serial No. 434,331; published July 29, 1941.
Cocoanut-oil. Procter & Gamble Company. 146,337; renewed Sept. 6, 1941.
Coffee, Raw. Taffae & Bellion. 149,741–2; renewed Dec. 20, 1941.
Food drink in powdered form, Vegetable. Harry W. Miller. 390,909; Oct. 7.
Food, Plastic stock and poultry. Consolidated Products Company. 390,853; Oct. 7; Serial No. 443,628; published July 29, 1941.
Ice cream. Borden Company. 390,861; Oct. 7; Serial No. 443,804; published July 29, 1941.
Ice cream cones. New Cone Company. 390,904; Oct. 7.
Lard. Dunlevy & Bro. 20,631; re-renewed Jan. 26, 1942.
Malted milk. Horlick's Malted Milk Corporation. 390,867; Oct. 7; Serial No. 443,886; published July 29, 1941.
Milk-sugar. Phenix Cheese Co. 148,210; renewed Nov. 8, 1941.
Orange peel and grapefruit peel. W. C. Luban. 390,797; Oct. 7; Serial No. 440,011; published June 10, 1941.
Peanut-candy having a marshmallow center, Chocolate-coated. Curtiss Candy Company. 151,727; renewed Feb. 14, 1942.
Salad dressing and baking powder. R. C. Williams & Company. 390,864; Oct. 7; Serial No. 443,827; published July 29, 1941.
Salads, Sliced raw vegetables. Scalia's. 390,802; Oct. 7; Serial No. 440,735; published July 22, 1941.
Sandwiches. V. L. Gross. 390,835; Oct. 7; Serial No. 443,328; published July 29, 1941.
Vegetables, Fresh. Chas. Abbate Company. 390,868; Oct. 7; Serial No. 443,905; published July 29, 1941.
Vegetables, Frozen. Standard Brands Incorporated. 390,767; Oct. 7; Serial No. 429,793; published July 9, 1940.
Yeast and yeast mixtures, Compressed. Fleischmann Company. 151,760; renewed Feb. 14, 1942.

CLASS 50

Bottle closures. E. C. Stark. 390,894; Oct. 7.
Cellulosic material, Nonfibrous. Sylvania Industrial Corporation. 390,836; Oct. 7; Serial No. 443,351; published July 29, 1941.
Matrices. Mergenthaler Linotype Company. 390,839–41; Oct. 7; Serial Nos. 443,424–6; published July 29, 1941.
Matrices. Merganthaler Linotype Company. 390,842; Oct. 7; Serial No. 443,428; published July 29, 1941.
Matrices. Merganthaler Linotype Company. 390,843; Oct. 7; Serial No. 443,430; published July 29, 1941.
Ornamental articles. W. S. Gass. 390,812; Oct. 7; Serial No. 442,191; published July 29, 1941.
Waterproof cloth in the piece. Pantasote Leather Company. 151,898; renewed Feb. 14, 1942.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 7TH DAY OF OCTOBER, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Deverall, Charles N., Buffalo, assignor to Niagara Blower Company, New York, N. Y. Evaporative cooler. Re. 21,917; Oct. 7.
National Enameling and Stamping Company. (See Smith, Alva T., assignor.)
Niagara Blower Company. (See Deverall, Charles N., assignor.)
Smith, Alva T., assignor to National Enameling and Stamping Company, Milwaukee, Wis. Electric broiling appliance. Re. 21,918; Oct. 7.

LIST OF PLANT PATENTEES

Steidle, John W., Jr., St. Louis County, Mo. Carnation. 491; Oct. 7.

LIST OF DESIGN PATENTEES

Abeles, Jerome, assignor to The Formfit Company, Chicago, Ill. Foundation garment. 129,894; Oct. 7.
Abeles, Jerome, assignor to The Formfit Company, Chicago, Ill. Foundation garment. 129,895; Oct. 7.
Acme Products Company. (See Hanson, C. L., and Jadin, assignors.)
Adams Company, The. (See Demkier, L. A., and Hostetter, assignors.)
Adler, Joseph I., Chicago, Ill. Christmas tree ornament or similar article. 129,841; Oct. 7.
American Goldscheider Corporation, The. (See Sakier, George, assignor.)
Beach & Arthur Paper Co. (See Reiber, Oscar G., assignor.)
Belshaw, Charles F., Greenville, Mich. Display case. 129,796; Oct. 7.
Boucher, Marcel, New York, N. Y. Pin or similar article. 129,842; Oct. 7.
Boucher, Marcel, New York, N. Y. Pin or similar article. 129,843; Oct. 7.
Breman Corporation. (See Carlson, Artie C., assignor.)
Buckeye Laboratories, Inc., The. (See Dunmire, Russell P., assignor.)
Budlong, Robert D., assignor to Zenith Radio Corporation, Chicago, Ill. Dial escutcheon for a radio set. 129,864; Oct. 7.
Burn, Walter P., Washington, D. C., assignor to the United States of America. Appliqué emblem or similar article. 129,797; Oct. 7.
Burn, Walter P., Washington, D. C., assignor to the United States of America. Appliqué emblem or similar article. 129,798; Oct. 7.
Burn, Walter P., Washington, D. C., assignor to the United States of America. Appliqué emblem or similar article. 129,799; Oct. 7.
Burn, Walter P., Washington, D. C., assignor to the United States of America. Appliqué emblem or similar article. 129,800; Oct. 7.
Burn, Walter P., Washington, D. C., assignor to the United States of America. Appliqué emblem or similar article. 129,801; Oct. 7.
Burn, Walter P., Washington, D. C., assignor to the United States of America. Appliqué emblem or similar article. 129,802; Oct. 7.
Burn, Walter P., Washington, D. C., assignor to the United States of America. Appliqué emblem or similar article. 129,803; Oct. 7.
Burn, Walter P., Washington, D. C., assignor to the United States of America. Appliqué emblem or similar article. 129,804; Oct. 7.
Burn, Walter P., Washington, D. C., assignor to the United States of America. Appliqué emblem or similar article. 129,805; Oct. 7.
Burn, Walter P., Washington, D. C., assignor to the United States of America. Appliqué emblem or similar article. 129,806; Oct. 7.
Burn, Walter P., Washington, D. C., assignor to the United States of America. Appliqué emblem or similar article. 129,807; Oct. 7.
Burn, Walter P., Washington, D. C., assignor to the United States of America. Appliqué emblem or similar article. 129,808; Oct. 7.
Burn, Walter P., Washington, D. C., assignor to the United States of America. Appliqué emblem or similar article. 129,809; Oct. 7.
Burn, Walter P., Washington, D. C., assignor to the United States of America. Appliqué emblem or similar article. 129,810; Oct. 7.
Burn, Walter P., Washington, D. C., assignor to the United States of America. Appliqué emblem or similar article. 129,811; Oct. 7.
Burn, Walter P., Washington, D. C., assignor to the United States of America. Appliqué emblem or similar article. 129,812; Oct. 7.
Burn, Walter P., Washington, D. C., assignor to the United States of America. Seal impressing device or similar article. 129,813; Oct. 7.
Cadwallader, Robert, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Lamp lens. 129,828; Oct. 7.
Capehart, Homer E. (See Collison, Edward E., assignor.)
Carbotti, Marie, New York, N. Y. Dress. 129,877; Oct. 7.
Carlson, Artie C., assignor to Bremau Corporation, Detroit, Mich. Metalworking machine. 129,859; Oct. 7.
Christen, Marcel, New York, N. Y. Textile fabric. 129,865; Oct. 7.
Chrysler Corporation. (See Cadwallader, Robert, assignor.)
Clow, John B., Denver, Colo. Floral container. 129,814; Oct. 7.
Cohen, William B., assignor to Stuart Products, Inc., St. Paul, Minn. Combination watch and display form therefor. 129,896; Oct. 7.
Cohig, Mary R., Denver, Colo. Protective collar. 129,866; Oct. 7.
Cohn-Hall-Marx Co. (See Eisenhardt, Gladys E., assignor.)
Collison, Edward E., Indianapolis, Ind., assignor to H. E. Capehart, Washington, Ind. Speaker casing. 129,844; Oct. 7.
Cooper, David, Brooklyn, N. Y. Pin or similar article. 129,815; Oct. 7.
Cooper, David, Brooklyn, N. Y. Clip or similar article. 129,829; Oct. 7.
Cooper, David, Brooklyn, N. Y. Linked chain or similar article. 129,830; Oct. 7.
Dailey, Donald E. (See Van Doren, Harold, and Dailey.)
Dannecker, Rudolph, Beacon, N. Y. Lace. 129,897; Oct. 7.
Darrow, Isobel, assignor to Pacific Clay Products, Los Angeles, Calif. Plate or similar article. 129,816; Oct. 7.
Davidson, Charles S., Los Angeles, Calif. Fluorescent tube-illuminated street lamp. 129,831; Oct. 7.
Decker, Louise, New York, N. Y. Dress. 129,878; Oct. 7.
Demkier, Lester A., and K. O. Hostetter, assignors to The Adams Company, Dubuque, Iowa. Molding machine or the like. 129,898; Oct. 7.
Demkier, Lester A., and K. O. Hostetter, assignors to The Adams Company, Dubuque, Iowa. Molding machine or the like. 129,899; Oct. 7.
Doner, Halbert C., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Chair. 129,817; Oct. 7.
Doran, Peter J. (See Schirrmacher, J. C., and Doran.)
Dunmire, Russell P., assignor to The Buckeye Laboratories, Inc., Alliance, Ohio. Portable oil filtering unit. 129,867; Oct. 7.
Ebbert, Daniel F., Wheeling, W. Va. Combined watch testing and display device, or the like. 129,818; Oct. 7.
Ehrenhaft, Franz F., and B. Freund, New York, N. Y. Display card. 129,819; Oct. 7.
Eisenhardt, Gladys E., assignor to Cohn-Hall-Marx Co., New York, N. Y. Textile fabric or similar article. 129,900; Oct. 7.
Fairbanks, Morse & Co. (See Vogel, Edward A., assignor.)
Formfit Company, The. (See Abeles, Jerome, assignor.)
Freund, Berthold. (See Ehrenhaft, F. F., and Freund.)
Gearing, Milton J., St. Clair, Mich. Salt block. 129,820; Oct. 7.

Gigot, Harris. (See Hanson, C. L., and Jadin, assignors.)
Guth, Edwin F., Company. (See Koegel, Ervin C., assignor.)
Hanson, Clarence L. (See Hanson, C. L., and Jadin, assignors.)
Hanson, Clarence L., and H. J. Jadin, assignors to H. J. Jadin, H. Gigot and C. L. Hanson, co-partners, doing business under name and style of Acme Products Company, Green Bay, Wis. Mail box. 129,901; Oct. 7.
Hostetter, Kenneth O. (See Demkler, L. A., and Hostetter.)
Hughes, Marjorie C., New York, N. Y. Textile fabric or similar article. 129,868; Oct. 7.
Hughes, Marjorie C., New York, N. Y. Textile fabric or similar article. 129,869; Oct. 7.
Hughes, Marjorie C., New York, N. Y. Textile fabric or similar article. 129,902; Oct. 7.
International Silver Company. (See Theobald, Jean G., assignor.)
Jadin, Henry J. (See Hanson, C. L., and Jadin, assignors.)
Kay, Ralph, New York, N. Y. Jewelry finding or similar article. 129,832; Oct. 7.
Kay, Ralph, New York, N. Y. Jewelry finding or similar article. 129,833; Oct. 7.
Kay, Ralph, New York, N. Y. Jewelry finding or similar article. 129,834; Oct. 7.
Kay, Ralph, New York, N. Y. Jewelry finding or similar article. 129,835; Oct. 7.
Keyes, Kenneth B., New York, N. Y., assignor to Swan Shoe Company, Inc., Baltimore, Md. Shoe. 129,903; Oct. 7.
Kingston Products Corporation. (See Van Doren, H. and Dailey.)
Koegel, Ervin C., assignor to Edwin F. Guth Company, St. Louis, Mo. Light fixture. 129,836; Oct. 7.
Kohler, Herbert V., executor, et al. (See Kohler, Walter J.)
Kohler, John M., executor, et al. (See Kohler, Walter J.)
Kohler, Walter J., deceased, by H. V., J. M., and W. J. Kohler, Jr., Kohler, Wis., executors. Bath tub. 129,821; Oct. 7.
Kohler, Walter J., Jr., executor, et al. (See Kohler, Walter J.)
Krilow, James E., Atlantic City, N. J. Knife. 129,845; Oct. 7.
Lemoyne, Raymond A., Rochester, N. H. Cigarette holder. 129,846; Oct. 7.
Levinson, Nathan. (See Mache, M., and Levinson.)
Libbey-Owens-Ford Glass Company. (See Doner, Heibert C., assignor.)
Mache, Max, and N. Levinson, Chicago, Ill. Lamp head. 129,837; Oct. 7.
Maisch, Jacques E., New York, N. Y. Textile fabric. 129,870; Oct. 7.
Marghab, Vera W., New York, N. Y. Sheet or similar article. 129,904; Oct. 7.
Mattés, Sophie, New York, N. Y. Dress. 129,879; Oct. 7.
Mattes, Sophie, New York, N. Y. Dress. 129,880; Oct. 7.
May, Helen, New York, N. Y. Dress. 129,881; Oct. 7.
McCoy, Marion, St. Louis, Mo. Dress. 129,882; Oct. 7.
McCoy, Marion, St. Louis, Mo. Dress. 129,883; Oct. 7.
McCoy, Marion, St. Louis, Mo. Dress. 129,884; Oct. 7.
McFarland, Samuel E., Los Angeles, Calif. Railroad crossing signal. 129,838; Oct. 7.
McIntosh, Frank, New York, N. Y. Bottle. 129,847; Oct. 7.
Medical and Surgical Relief Committee of America. (See Stoller, Alexander, assignor.)
Motor Wheel Corporation. (See Schneider, Walter C., assignor.)
Nachmias, Vitalis, New York, N. Y. Bathing bag. 129,839; Oct. 7.
Niedner, George A., New York, N. Y. Woven textile fabric. 129,871; Oct. 7.
Niedner, George A., New York, N. Y. Woven textile fabric. 129,872; Oct. 7.
Pacific Clay Products. (See Darrow, Isobel, assignor.)
Panzer, William, assignor to Russakov Can Company, Chicago, Ill. Metal hamper. 129,848; Oct. 7.
Penn, William D., Dallas, Tex. Hearing aid apparatus case. 129,822; Oct. 7.
Perper, Elfie N., New York, N. Y. Dress. 129,885; Oct. 7.
Philippe, Alfred, New York, N. Y. Pin clip. 129,849; Oct. 7.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 129,850; Oct. 7.
Philippe, Alfred, New York, N. Y. Pin clip. 129,851; Oct. 7.
Philippe, Alfred, New York, N. Y. Pin clip. 129,852; Oct. 7.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 129,853; Oct. 7.
Reiber, Oscar G., Coatesville, Pa., assignor to Beach & Arthur Paper Co., Indianapolis, Ind. Paper drinking cup. 129,823; Oct. 7.
Richman, Ruth, New York, N. Y. Dress. 129,886; Oct. 7.
Richman, Ruth, New York, N. Y. Dress. 129,887; Oct. 7.
Riesenberg, Samuel, Philadelphia, Pa. Dress ensemble. 129,888; Oct. 7.
Rockola, David C., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill. Casing for sound apparatus. 129,860; Oct. 7.
Rock-Ola Manufacturing Corporation. (See Rockola, David C., assignor.)
Russakov Can Company. (See Panzer, William C., assignor.)
Sager, Abraham, Chicago, Ill. Finger ring. 129,824; Oct. 7.
Sakler, George, New York, N. Y., assignor to The American Goldscheider Corporation, Trenton, N. J. Ashtray or similar article. 129,861; Oct. 7.
Schaeffer, Samuel B., Jackson Heights, N. Y. Textile fabric. 129,873; Oct. 7.
Schaeffer, Samuel B., Jackson Heights, N. Y. Textile fabric. 129,874; Oct. 7.
Schaeffer, Samuel B., Jackson Heights, N. Y. Textile fabric. 129,875; Oct. 7.
Schirrmacher, Jack C., Jersey City, and P. J. Doran, Woodridge, N. J. Display mount for backed photographic figures. 129,906; Oct. 7.
Schneider, Walter C., assignor to Motor Wheel Corporation, Lansing, Mich. Cabinet for a space heater or the like. 129,840; Oct. 7.
Shawl, Alfred B., New York, N. Y. Clock. 129,905; Oct. 7.
Silverman, Joseph E., St. Louis, Mo. Dress. 129,889; Oct. 7.
Simon, Irene, Pittsburgh, Pa. Bookcase. 129,825; Oct. 7.
Smith, Isidore, New York, N. Y. Coat. 129,862; Oct. 7.
Spanel, Abraham N., New York, N. Y. Panty girdle. 129,890; Oct. 7.
Spaney, Alfred, New York, N. Y. Pin clip. 129,854; Oct. 7.
Spaney, Alfred, New York, N. Y. Brooch or similar article. 129,855; Oct. 7.
Spaney, Alfred, New York, N. Y. Brooch or similar article. 129,856; Oct. 7.
Spaney, Alfred, New York, N. Y. Brooch or similar article. 129,857; Oct. 7.
Stoller, Alexander, New York, N. Y., assignor to Medical and Surgical Relief Committee of America. Emblem pin. 129,858; Oct. 7.
Stone, Melville E., New York, N. Y. Serving tray. 129,826; Oct. 7.
Stuart Products, Inc. (See Cohen, William B., assignor.)
Sutcliffe, Harry L., New York, N. Y. Shoe. 129,907; Oct. 7.
Sutherland, Henry M., Lansing, Mich. Rotary toothbrush. 129,908; Oct. 7.
Swan Shoe Company. (See Keyes, Kenneth B., assignor.)
Theobald, Jean G., assignor to International Silver Company, Meriden, Conn. Platter or other article of hollowware. 129,827; Oct. 7.
Turcotte, Nini, New York, N. Y. Sports jacket. 129,909; Oct. 7.
Turcotte, Nini, New York, N. Y. Vestee. 129,910; Oct. 7.
Uhlemann Optical Co. of Illinois. (See Uhlemann, Theodore R., assignor.)
Uhlemann, Theodore R., Antioch, assignor to Uhlemann Optical Co. of Illinois, Chicago, Ill. Bridge for an ophthalmic mounting. 129,911; Oct. 7.
Uhlemann, Theodore R., Antioch, assignor to Uhlemann Optical Co. of Illinois, Chicago, Ill. Temple for ophthalmic mounting. 129,912; Oct. 7.
United States of America. (See Burn, Walter P., assignor.)
Van Doren, Harold, and D. E. Dailey, Toledo, Ohio, assignors to Kingston Products Corporation, Kokomo, Ind. Stoker cabinet or the like. 129,876; Oct. 7.
Vogel, Edward A., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Magneto electric generator. 129,863; Oct. 7.
Zahn, Samuel, New York, N. Y. Dress. 129,891; Oct. 7.
Zahn, Samuel, New York, N. Y. Dress. 129,892; Oct. 7.
Zahn, Samuel, New York, N. Y. Dress. 129,893; Oct. 7.
Zenith Radio Corporation. (See Budlong, Robert D., assignor.)

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 7TH DAY OF OCTOBER, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott, Frederick C., assignor to Ozark Chemical Company, Tulsa, Okla. Treatment of spent pickle liquor or the like. 2,258,310; Oct. 7.
Abrams, Allen, G. W. Forcey, and G. J. Brabender, Wausau, and W. H. Graebner, Neenah, assignors to Marathon Paper Mills Company, Rothschild, Wis. Anchoring coatings. 2,258,434; Oct. 7.
Abrams, Neil B., and W. J. Mills, assignors to Gibson, Inc., Kalamazoo, Mich. Musical instrument. 2,257,995; Oct. 7.
Adams, Albert E., Kensington, London, assignor to Scophony Limited, Wells, Somerset, England. Scanning method. 2,258,311; Oct. 7.
Adamson, Nicholas F., assignor to Twin Disc Clutch Company, Racine, Wis. Clutch throwout collar. 2,258,345; Oct. 7.
Adkins, Rick, Chicago, Ill. Mouthpiece. 2,258,312; Oct. 7.
Adolph, Gustav, Solln, Germany, and M. E. Bretschger, assignors to Buffalo Electro-Chemical Company, Inc., Buffalo, N. Y. Electrode. 2,258,435; Oct. 7.
Air Reduction Company. (See Heidbrink, Jay A., assignor.)
Akron Standard Mold Company, The. (See Bostwick, H. C., and Kastner, assignors.)
Aktiengesellschaft Brown, Boveri & Cie. (See Seippel, Claude, assignor.)
Alden, Milton, Brockton, Mass. Fuse holder. 2,258,231; Oct. 7.
Alexander, Charles E., assignor of one-half to J. E. Byrnes, Alton, Ill. Smoke eliminator. 2,257,931; Oct. 7.
Alexander, Delbert S., assignor of one-half to J. T. Alexander, Jr., Evanston, Ill. Baseball game. 2,258,272; Oct. 7.
Alexander, James T., Jr. (See Alexander, Delbert S., assignor.)
Alexander, Merrill L. (See Gaultier, M. P., and Alexander.)
Allan, Archibald. (See Clothier, H. W., and Allan.)
Allan, Archibald, Whitley Bay, and F. Coates, Cleadon, assignors to A. Reyrolle & Company, Limited, Hebburn-on-Tyne, England. Metal-clad electric switchgear. 2,258,529; Oct. 7.
Allen, Werdon H., South Montrose, Pa. Garment hanger. 2,258,199; Oct. 7.
Alliance Porcelain Products Company, The. (See Chesney, Robert M., assignor.)
Almen, John O., Royal Oak, Mich. Engine mechanism. 2,258,127; Oct. 7.
Amati, Luigi, Padova, Italy. Production of magnesium by means of thermic reduction. 2,258,374; Oct. 7.
Amberg, Walter E., assignor to Standard Piston Ring Company, Chicago, Ill. Lamina for assembled piston rings. 2,258,169; Oct. 7.
American Brake Company, The. (See Mueller, Emil G., assignor.)
American Can Company. (See Murch, John H., assignor.)
American Car and Foundry Company. (See Pancake, Herman H., assignor.)
American Chain & Cable Company. (See Silverman, Isador, assignor.)
American Chemical Paint Company. (See Jones, Franklin D., assignor.)
American Coach & Body Company, The. (See Troche, Herman J., assignor.)
American Crayon Company, The. (See Oxley, John H., assignor.)
American Cyanamid Company. (See Barnes, Robert B., assignor.)
American Cyanamid Company. (See Ericks, Walter P., assignor.)
American Cyanamid Company. (See Hill, W. H., and Kropa, assignors.)
American Cyanamid Company. (See Northey, E. H., and Hultquist, assignors.)
American Diagrid Corporation. (See Szegö, Steven, assignor.)
American Laundry Machinery Company. (See Hetzer, Russell A., assignor.)
American Locomotive Company. (See Jabelmann, Otto, assignor.)
American Smelting and Refining Company. (See Betterton, J. O., and Gall, assignors.)
American Steel and Wire Company of New Jersey, The. (See Elmendorf, H. J., and Brown, assignors.)
American Steel and Wire Company of New Jersey, The. (See Scovron, Charles J., assignor.)
American Steel Foundries. (See Kinne, Edmund P., assignor.)
American Window Glass Company. (See Magrini, Pete, assignor.)
American Window Glass Company. (See Menoher, Harrison D., assignor.)
Anderson, Helmer, Minneapolis, Minn., assignor to General Mills, Inc. Machine for shaping and sealing filled paper bags. 2,257,777; Oct. 7.
Apex Electrical Manufacturing Company, The. (See McCabe, J. J., and Brittain, assignors.)
Applied Chemicals, Inc. (See Leprestre, Rene, assignor.)
Arey, Fred C., Oak Park, Ill., and D. E. Hibner, Jr., Du Bois, Pa., assignors to Vulcan Soot Blower Corporation. Automatic motor block cleaner. 2,258,562; Oct. 7.
Armstrong, Percy A. E., Westport, Conn., and T. S. Fitch, Washington, Pa.; said Fitch assignor to said Armstrong. Making stainless clad pierced tubes. 2,258,563; Oct. 7.
Armstrong, Percy A. E., Westport, Conn., and T. S. Fitch, Washington, Pa.; said Fitch assignor to said Armstrong. Stainless clad pierced tubes. 2,258,564; Oct. 7.
Arveson, Maurice H., Flossmoor, assignor to Standard Oil Company, Chicago, Ill. Production of motor fuel. 2,257,723; Oct. 7.
Ash, Simon H. (See Lamb, E., and Ash.)
Associated Electric Laboratories, Inc. (See Sengebusch, Hans, assignor.)
Atlanta Stove Works, Inc., The. (See White, L., Hodgson, White, and Jones, assignors.)
Atwood Vacuum Machine Company, The. (See Miller, Kay, assignor.)
Atwood, Winfield A., Yeadon, and J. W. Seaman, Upper Darby, Pa., assignors to General Electric Company. Circuit breaker operating mechanism. 2,258,232; Oct. 7.
Atwood, Winfield, A. Yeadon, and J. W. Seaman, Upper Darby, Pa., assignors to General Electric Company. Motor operated circuit breaker mechanism. 2,258,233; Oct. 7.
Auger, Harold, Burnham, and W. E. Pearson, deceased, London, by N. P. Nicholson, executrix, Maidenhead, England. Storage and like equipment. 2,258,530; Oct. 7.
Austin, Mary C. (See Austin, Millard P. and M. C.)
Austin, Millard P. and M. C., Burbank, Calif.; said M. P. Austin assignor to said M. C. Austin. Cigarette lifting jack. 2,258,170; Oct. 7.
Autographic Register Company. (See Johnson, Arthur A., assignor.)
Autoyre Company, The. (See Haffner, Arlie O., assignor.)
B. & T. Floor Company, The. (See Bonnell, William L., assignor.)
Babcock & Wilcox Company, The. (See Kölling, Johann, assignor.)
Babcock & Wilcox Company, The. (See Smith, C. S., and Baver, assignors.)
Badenhausen, John P., Philadelphia, Pa. Treatment of waste liquids from pulp production and the like. 2,258,401; Oct. 7.
Badgley, Robert H., Morris Plains, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Gas tube. 2,258,437; Oct. 7.
Bagshaw, Charles M., Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Machine for operating upon shoes. 2,257,832; Oct. 7.
Bailey Meter Company. (See Gorrie, Harvard H., assignor.)
Baillie, Wallace E., McDonald, Pa., assignor to Standard Railway Devices Company. Refrigerator car. 2,258,402; Oct. 7.
Baird, John C., Sugar Loaf, N. Y. Snap hook. 2,258,200; Oct. 7.
Baker Oil Tools, Inc. (See Baker, Reuben C., assignor.)
Baker, Pearce H. (See Hill, George and A. G., and Baker, Mitchum, and Harper.)
Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Los Angeles, Calif. Vertical directional device. 2,257,996; Oct. 7.
Baker, Roy S., Pomona, Calif. Tent. 2,258,084; Oct. 7.
Baker, Walter, D. W. Lehti, and L. H. Crow, Cedar Rapids, Iowa, assignors to Link-Belt Speeder Corporation, Chicago, Ill. Excavating shovel. 2,258,478; Oct. 7.
Baldwin, Janice L., Warrenton, Va. Amusement device for small children. 2,258,531; Oct. 7.
Baldwin Rubber Company. (See Collins, Don F., assignor.)

Bancker, Elbert H., Schenectady, N. Y., assignor to General Electric Company. Protection of alternating current electric systems. 2,258,234; Oct. 7.

Barber-Colman Company. (See Greenlee, Theodore K., assignor.)

Barber-Colman Company. (See Ross, Roy G., assignor.)

Bargen, William J., Waukegan, Ill. Desk support. 2,258,532; Oct. 7.

Barkley, Fred W., Winthrop, Mass. Inserting machine. 2,258,479; Oct. 7.

Barnes, Marion W., assignor to Universal Oil Products Company, Chicago, Ill. Heating of fluids. 2,258,235; Oct. 7.

Barnes, Robert B., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Breaking petroleum emulsions. 2,257,997; Oct. 7.

Barrett, Arthur M., Winnetka, assignor to The Barrett Bindery Co., Chicago, Ill. Portable display device. 2,258,273; Oct. 7.

Barrett Bindery Co., The. (See Barrett, Arthur M., assignor.)

Barrett Bindery Co., The. (See Ericson, Elmer W., assignor.)

Barry, Arthur J., assignor to The Dow Chemical Company, Midland, Mich. Monosaccharose ethers from polysaccharide ethers. 2,258,171; Oct. 7.

Barton, Paul D., Chester County, assignor to Sun Oil Company, Philadelphia, Pa. Manufacture of black pigment. 2,258,438; Oct. 7.

Bäseler, Wolfgang, H. Bangl, and J. Dietrich, Munich, Germany. Sleeper for rail tracks. 2,257,833; Oct. 7

Basler, Albert H., East Cleveland, Ohio. Washing machine agitator. 2,257,932; Oct. 7.

Bassick Company, The. (See Herold, Walter F., assignor.)

Baver, Clyde B. (See Smith, C. S., and Baver.)

Bayerische Motoren Werke Aktiengesellschaft. (See von Falkenhausen, Alexander, assignor.)

Beal, Arthur G., assignor to The Foxboro Company, Foxboro, Mass. Unit recorder. 2,257,998; Oct. 7.

Beardsley & Piper Company, The. (See Piper, Walter F., assignor.)

Becker, Hazen K. (See Jurgens, E. G., and Becker.)

Beerbower, Alan. (See Morway, A. J., and Beerbower.)

Behee, Frank B., Leavenworth, Kans. Oil burner. 2,257,834; Oct. 7.

Belknap, Hobart D., Portland, Oreg. Identifying plate for radiographs. 2,257,933; Oct. 7.

Bell, Davitt S., Pittsburgh, and B. W. Dunham, assignors to Edgewater Steel Company, Oakmont, Pa. Forging press. 2,258,346; Oct. 7.

Bell, Joseph D., San Francisco, Calif. Game. 2,257,934; Oct. 7.

Bell Telephone Laboratories, Incorporated. (See Badgley, Robert H., assignor.)

Bell Telephone Laboratories, Incorporated. (See Bennett, William R., assignor.)

Bell Telephone Laboratories, Incorporated. (See Black, Harold S., assignor.)

Bell Telephone Laboratories, Incorporated. (See Boettler, J. R., and Werring.)

Bell Telephone Laboratories, Incorporated. (See Bowen, Arnold E., assignor.)

Bell Telephone Laboratories, Incorporated. (See Gray, Frank, assignor.)

Bell Telephone Laboratories, Incorporated. (See Kent, Robert J., assignor.)

Bell Telephone Laboratories, Incorporated. (See Lundstrom, Alexis A., assignor.)

Bell Telephone Laboratories, Incorporated. (See Mitchell, Doren, assignor.)

Bell Telephone Laboratories, Incorporated. (See Winsor, Paul, Jr., assignor.)

Belvedere, Pasqual P. (See Morici, S., and Belvedere.)

Belvedere, Pasqual P. (See Morici, S., Belvedere, and Blom.)

Bendix Aviation Corporation. (See Bohll, Jakob, assignor.)

Bendix Aviation Corporation. (See Jones, Burr W., assignor.)

Bendix Aviation Corporation. (See Nardone, Romeo M., assignor.)

Bendix Aviation Corporation. (See Tognola, Tullio, assignor.)

Benedict, Wayne L., and L. S. Kassel, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbons. 2,258,236; Oct. 7.

Bennetch, David S., Sheridan, Pa. Transmission. 2,257,724; Oct. 7.

Bennett, Charles E., Ridgewood, and F. C. Meyer, Wyckoff, assignors to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Forming dams. 2,257,727; Oct. 7.

Bennett, Willard H., Newark, Ohio, assignor to Slayter Electronic Corporation. Rectifier. 2,257,728; Oct. 7.

Bennett, William R., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Multiplex transmission with phase discrimination. 2,258,439; Oct. 7.

Bentley, John J., et al. (See Burns, Leo G., assignor.)

Berchem, Hubert C., and J. P. Schneider, St. Paul, Minn. Adjustable foldable trestle horse. 2,257,876; Oct. 7.

Berger, Kornel, Brooklyn, N. Y. Lamp harp. 2,257,778; Oct. 7.

Bergmann, Alfred, Berlin, W. Dawihl, Kohlhasenbruck, Post Neubabelsberg, and O. Fritsch, Berlin, Johannisthal, Germany, assignors to General Electric Company. Diamond working process. 2,258,480; Oct. 7.

Bergstrom, Carl O., assignor to B. F. Sturtevant Company, Boston, Mass. Air conditioning system utilizing refrigeration. 2,258,565; Oct. 7.

Best, Frank C., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,257,835; Oct. 7.

Betterton, Jesse O., Metuchen, and C. Gail, Woodbridge, N. J., assignors to American Smelting and Refining Company, New York, N. Y. Metallurgical apparatus. 2,258,481; Oct. 7.

Betz, Carl E., Park Ridge, assignor to Magnaflux Corporation, Chicago, Ill. Magnetic testing. 2,258,274; Oct. 7.

Biggert, Florence C. Jr., assignor to United Engineering and Foundry Company, Pittsburgh, Pa. Shear. 2,258,347; Oct. 7.

Biggert, Florence C. Jr., assignor to United Engineering and Foundry Company, Pittsburgh, Pa. Shear. 2,258,348; Oct. 7.

Billings, Howard J. (See Reiss, R. H., and Billings.)

Binder, Richard, Schweinfurt, Germany. Disk clutch. 2,257,877; Oct. 7.

Bing, Joseph M., New York, N. Y. Film scraper. 2,258,313; Oct. 7.

Black, Harold S., Elmhurst, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave translating system. 2,258,128; Oct. 7.

Black, Harold S., Elmhurst, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Repeatered transmission system. 2,258,275; Oct. 7.

Blagden, George S., Memphis, Tenn. Outdoorsman's coat. 2,257,935; Oct. 7.

Blake, William E., Baltimore County, Md., assignor of one-half to Waverly Press, Inc. Monotype mold blade lubricator. 2,257,779; Oct. 7.

Blanchard, Frederick W., Hampstead, and F. D. Stirling, assignors to T. McAvity & Sons Ltd., Montreal, Quebec, Canada. Safety valve for locomotives. 2,258,172; Oct. 7.

Bliss, E. W., Company. (See Williamson, Larkin R., assignor.)

Blom, Edwin. (See Morici S., Belvedere, and Blom.)

Bludworth, Joseph E., Cumberland, Md., assignor to Celanese Corporation of America. Concentrating formaldehyde solutions. 2,257,780; Oct. 7.

Blythen, Frank. (See Percival, W. S., Browne, Johnson, and Blythen.)

Bockius, Chris, Ridgewood, and J. A. Cook, Haledon, assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Friction element. 2,258,237; Oct. 7.

Bodde, Bernard M., Hollywood, Calif. Translucent picture projection screen and manufacture thereof. 2,257,999; Oct. 7.

Boettler, Jacob R., Chatham, N. J., and W. W. Werring, Brooklyn, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Apparatus for measuring the elastic properties of materials. 2,258,276; Oct. 7.

Bohll, Jakob, Solothurn, Switzerland, assignor to Bendix Aviation Corporation, South Bend, Ind. Distributor. 2,257,781; Oct. 7.

Bolle, Leon, assignor to La Nationale S. A., Geneva, Switzerland. Pressure device for the flints of lighters. 2,258,085; Oct. 7.

Bolle, Leon, assignor to La Nationale S. A., Geneva, Switzerland. Pyrophoric lighter. 2,258,086; Oct. 7.

Bone, Herbert L., and J. W. Livingston, Forest Hills, assignors to The Union Switch & Signal Company, Swissvale, Pa. Drive mechanism for axle driven speed responsive devices for railway trains. 2,258,349; Oct. 7.

Bonnell, William L., assignor to The B. & T. Floor Company, Columbus, Ohio. Edge molding. 2,258,314; Oct. 7.

Bonsall, Charles D., Pittsburgh, Pa., assignor to Standard Railway Devices Company. Refrigerator car construction. 2,258,403; Oct. 7.

Bonsall, Charles D., Pittsburgh, Pa., assignor to Standard Railway Devices Company. Refrigerator car. 2,258,404; Oct. 7.

Booth, Melville B., Allesley, Coventry, assignor to The Keelavite Company, Limited, Coventry, Warwickshire, England. Rotary fluid pressure engine and the like. 2,258,504; Oct. 7.

Boatwick, Henry C., and E. C. Kastner, assignors to The Akron Standard Mold Company, Akron, Ohio. Stock feeder. 2,258,350; Oct. 7.

Bosworth, Cyrus M., Rochester, N. Y. Automatic lathe. 2,257,729; Oct. 7.

Boucke, Heinz, Berlin-Charlottenburg, Germany, assignor to Radio Patents Corporation. Amplifier. 2,257,782; Oct. 7.

Boucke, Heinz, Berlin-Charlottenburg, Germany, assignor to Radio Patents Corporation. Amplifying system. 2,258,440; Oct. 7.

Bowen, Arnold E., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Guided wave transmission. 2,257,783; Oct. 7.

Bowers, Frank, Detroit, and H. E. Brelsford, Birmingham, assignors, to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 2,257,936; Oct. 7.

Boyce, William S., Denver, Co., assignor to The Colorado Fuel and Iron Corporation. Rail fastening. 2,258,315; Oct. 7.

Boyer, Raymond F. (See Matheson, L. A., Boyer, and Stowe.)

Bozarth, Abe R., Cleveland, assignor to The Harshaw Chemical Company, Elyria, Ohio. Manufacture of antimony oxides. 2,258,441; Oct. 7.

Brabender, George J. (See Abrams A., Forcey, Brabender, and Graebner.)

Brace, Kemper P., South Bend, Ind., assignor to International Engineering Corporation, Chicago, Ill. Heating system. 2,258,042; Oct. 7.

Brace, Kemper P., South Bend, Ind. Liquid-fuel burner. 2,258,043; Oct. 7.

Braddon, Frederick D., Babylon, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Air borne gyrocompass. 2,257,730; Oct. 7.

Bratek, Frank B., and H. H. McKee, assignors to Industrial Patents Corporation, Chicago, Ill. Carcass refrigeration. 2,258,173; Oct. 7.

Brelsford, Harry E. (See Bowers, F., and Brelsford.)

Brennan, Joseph H., Niagara Falls, N. Y., assignor to Haynes Stellite Company. Production of metal shot. 2,257,878; Oct. 7.

Brenner, Paul A., Bridgeville, Del. Corrugated wire ring for floral wreaths. 2,258,442; Oct. 7.

Breth, Walter J., assignor to The General Tire & Rubber Company, Akron, Ohio. Chuck. 2,257,898; Oct. 7.

Bretschger, Max E. (See Adolph G., and Bretschger.)

Brickman, Alan E., Rostraver Township, Westmoreland County, Pa. Coupling for interconnecting flexible members. 2,258,533; Oct. 7.

Brittain, Walter G. (See McCabe, J. J., and Brittain.)

Britton, Edgar C., and H. R. Slagh, assignors to The Dow Chemical Company, Midland, Mich. Manufacture of glycerol monochlorohydrin. 2,257,899; Oct. 7.

Brock, Willie L., and W. F. Jones, Bandy, Pa. Mining car bumper coupling. 2,258,534; Oct. 7.

Bromberg, Benjamin, Fairbanks, Alaska. Apparatus and method for separating values from value-bearing materials. 2,258,201; Oct. 7.

Brown & Bigelow. (See Trollen, Martin E., assignor.)

Brown, Fred H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Apparatus for cleaning dust from shoes. 2,257,836; Oct. 7.

Brown, Harold A. (See Elmendorf, H. J., and Brown.)

Brown, Horace G., Jr., Los Angeles, Calif. Advertising horoscope machine. 2,258,351; Oct. 7.

Brown, Norman F., Edinburgh, Scotland. Plug for use in wells. 2,257,784; Oct. 7.

Browne, Cecil O. (See Percival, W. S., Browne, Johnson, and Blythen.)

Brüche, Ernst, Berlin-Reinickendorf, and A. Recknagel, Berlin, Germany, assignors to General Electric Company. Diaphragm for electronic-optical phase lenses. 2,258,129; Oct. 7.

Bruker, Hobart W., assignor to George W. Swift, Jr., Inc., Bordentown, N. J. Corrugating roller construction. 2,258,443; Oct. 7.

Brunnhoelzl, William, Brooklyn, N. Y. Device for conveying packages. 2,257,937; Oct. 7.

Bruson, Herman A., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Thioammeline ethers of unsaturated alcohols. 2,258,130; Oct. 7.

Bryce, James W., Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N. Y. Apparatus for preparing statistical records. 2,258,106; Oct. 7.

Buckeye Steel Castings Company, The. (See Johnson, George T., assignor.)

Buckley, Arthur H., Chicago, Ill. Electrically controlled motorized typewriter. 2,258,405; Oct. 7.

Bucyrus-Erie Company. (See Paulsen, Thomas R., assignor.)

Buffalo Electro Chemical Company. (See Adolph, G., and Bretschger, assignors.)

Bulldog Electric Products Company. (See Frank, Robert L., assignor.)

Bullinger, Conrad, Riverside, assignor to A. Stein & Company, Chicago, Ill. Brassière. 2,258,277; Oct. 7.

Buranelli, Felicity A., New York, N. Y. Display holder for coins and medals. 2,258,535; Oct. 7.

Burge, James S., and O. K. Gray, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Coil winding machine. 2,257,837; Oct. 7.

Burnell, Aldo F., Eustis, Fla. File holder. 2,258,536; Oct. 7.

Burns, Leo G., Osage, assignor of one-fourth to E. Whedon, one-fourth to L. S. Howes, and one-fourth to J. J. Bentley, Sheridan, Wyo. Lubricant. 2,258,202; Oct. 7.

Buschbeck, Werner, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Coupling from a single to a push-pull line. 2,258,107; Oct. 7.

Bush, Burton T., Inc. (See Carpenter, Marion S., assignor.)

Butenandt, Adolf, Berlin-Dahlem, Germany, assignor to Schering Corporation, Bloomfield, N. J. Manufacture of pregnendione and intermediates obtained thereby. 2,258,131; Oct. 7.

Buxton, Incorporated. (See Buxton, Warner R., assignor.)

Buxton, Warner R., Longmeadow, assignor to Buxton, Incorporated, Springfield, Mass. Flexible pocket receptacle. 2,258,316; Oct. 7.

Byrkit, Gordon D. (See Lincoln, B. H., and Byrkit.)

Byrnes, John E. (See Alexander, Charles E., assignor.)

Caldwell, Jack, Havre, Mont. Wrist pin tool. 2,258,375; Oct. 7.

Calissi, Paul C., Philadelphia, Pa. Lamp. 2,258,108; Oct. 7.

Calkins, Herbert B., assignor of one-half to L. M. Hughes, Wayland, Mich. Adjustable screen for hammer mills. 2,258,537; Oct. 7.

Callaway Mills. (See Presley, Escar M., assignor.)

Carbide and Carbon Chemicals Corporation. (See Doolittle, Arthur K., assignor.)

Carpenter, Allan O., Corning, assignor to Ingersoll-Rand Company, New York, N. Y. Controlling device. 2,258,278; Oct. 7.

Carpenter, Frank W., assignor to Woolsey Manufacturing Company, Minneapolis, Minn. Roaster. 2,258,482; Oct. 7.

Carpenter, Marion S., Nutley, N. J., assignor to Burton T. Bush, Inc., New York, N. Y. Perfume fixative. 2,258,132; Oct. 7.

Carroll, Fred M., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Conveying mechanism. 2,258,109; Oct. 7.

Carter, Clyde H., administrator. (See Grabach, August J., assignor.)

Carter, Philip S., Port Jefferson, N. Y., assignor to Radio Corporation of America. Wide band antenna. 2,258,406; Oct. 7.

Carter, Philip S., Port Jefferson, N. Y., assignor to Radio Corporation of America. Wide band antenna. 2,258,407; Oct. 7.

Carter, Sidney T., New Kensington, Pa., assignor to Schenley Distillers Corporation, New York, N. Y. Labeling mechanism. 2,257,785; Oct. 7.

Casco Products Corporation. (See Youhouse, Joseph, assignor.)

Caselli, Albert V., Oakland, and A. C. Nixon, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Extraction. 2,258,279; Oct. 7.

Catland, Alfred C., Alhambra, and P. C. Efromson, Whittier, assignors of one-half to Globe Oil Tools Company, Los Nietos, Calif. Core drill. 2,258,352; Oct. 7.

Cavalieri, Anthony M., Buffalo, N. Y. Toy building structure. 2,258,156; Oct. 7.

Celanese Corporation of America. (See Bludworth, Joseph E., assignor.)

Celanese Corporation of America. (See Seymour, G. W., and Salvin, assignors.)

Certain-Teed Products Corporation. (See Stalder, Lee R., assignor.)

Chamberlain, Leonard C., assignor to The Dow Chemical Company, Midland, Mich. Treatment of wells producing mineral fluid. 2,258,000; Oct. 7.

Chamberlain, Leonard C., assignor to The Dow Chemical Company, Midland, Mich. Subterranean boring. 2,258,001; Oct. 7.

Chambers, Joseph A. (See McNary, J. C., and Chambers.)

Champion Foundry & Machine Company. (See Naylor, Walter E., assignor.)

Charman, Walter M., Shaker Heights, Ohio. Hot top. 2,258,483; Oct. 7.

Chawner, William R., Riverside, Calif. Apparatus for cleaning conduits. 2,258,174; Oct. 7.

Chesley, Kenneth G., assignor to Crossett Chemical Company, Crossett, Ark. Acid inhibitor and noncorrosion acid liquor. 2,258,578; Oct. 7.

Chesney, Robert M., assignor to The Alliance Porcelain Products Company, Alliance, Ohio. Mounting bracket for lavatories or the like. 2,258,044; Oct. 7.

Chicago Electric Manufacturing Company. (See Gough, James J., assignor.)

Chirelstein, Nathan, Chicago, Ill. Socket for pin base lamps and tubes. 2,257,786; Oct. 7.

Chouinard, Alfred F. (See MacDougall, B. G., Chouinard, and Nicolaus.)

Christie, Soren L., Los Angeles, Calif. Electrode structure for conductivity testing. 2,258,045; Oct. 7.

Chuma, Steven, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Safety means. 2,258,133; Oct. 7.

Cincinnati Milling Machine Co., The. (See Martellotti, Mario E., assignor.)

Cities Service Oil Company. (See Merley, Sylvan R., assignor.)

Clark, Lancaster P., Jr., Fairfield, Conn. Safety stop mechanism for automatic molding machines. 2,257,732; Oct. 7.

Clark, Virginius E., Hagerstown, Md., assignor, by mesne assignments, to J. F. Neary, Jr., Englewood, N. J., as trustee. Aircraft wing structure. 2,258,134; Oct. 7.

Clark, Walter A. (See Titus, Gordon, assignor.)

Claytor, Edward M., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Ignition control system. 2,257,838; Oct. 7.

Claude-General Neon Lights Limited. (See Higgins, Clifford, assignor.)

Clement, Joseph N. O., assignor to Clement Manufacture Enregistree, Three Rivers, Quebec, Canada. Ski. 2,258,046; Oct. 7.

Clement Manufacture Enregistree. (See Clement, Joseph N. O., assignor.)

Cleveland Pneumatic Tool Company, The. (See van Sittert, P., Speth, and Engeln, assignors.)

Cleveland Rock Drill Company, The. (See Smith, William A., Jr., assignor.)

Cliffs Dow Chemical Company. (See Griswold, Nelson D., assignor.)
Clipper, Forrest G., San Jose, Calif. Antproof dome. 2,258,317; Oct. 7.
Clothier, Henry W., deceased, Newcastle-upon-Tyne, by W. J. Dean, Stafford, and M. Clothier, Newcastle-upon-Tyne, executors, and A. Allan, Tynemouth, assignors to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Electric switchgear. 2,258,376; Oct. 7.
Clothier, Mary, executor, et al. (See Clothier, H. W., and Allen.)
Clothier, Stewart L., Teaneck, assignor to Kolorama Laboratories, Inc., Newark, N. J. Mechanical constant speed projector. 2,257,938; Oct. 7.
Cloud, Gould H. (See Miller, P., and Cloud.)
Clutsom, Charles, Ashby-de-la-Zonch, England. Loom with stationary weft supplies. 2,258,538; Oct. 7.
Coates, Frank. (See Allan, A., and Coates.)
Cockerill, Robert F., Elsmere, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Recovery process. 2,258,444; Oct. 7.
Coe, James C., Arlington, Va. Volume control for radio and interphone circuit. 2,257,731; Oct. 7.
Cohen, Harry, assignor to I. B. Kleinert Rubber Company, New York, N. Y. Attaching device. 2,257,787; Oct. 7.
Colegrove, Charles E. (See Garwin, L. O., and Colegrove.)
Coleman, James O., Los Angeles, Calif., assignor to The L. S. Starrett Company, Athol, Mass. Adjustable dial test indicator mounting. 2,258,175; Oct. 7.
Coleman, William R., Birmingham, Ala. Apparatus for drilling terrestrial bores. 2,257,733; Oct. 7.
Collard, John, Hammersmith, London, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Wave transmission system. 2,258,047; Oct. 7.
Collins, Don F., assignor to Baldwin Rubber Company, Pontiac, Mich. Manufacturing floor mats. 2,258,238; Oct. 7.
Collins, John C., Hobart, Ind. Chuck and tool holding device. 2,258,377; Oct. 7.
Collmann, Nanno T. J., Lubeck, Germany. Machine for preparing pneumatic tires for retreading. 2,258,378; Oct. 7.
Colonial Radio Corporation, et al. (See Forbes, Henry C., assignor.)
Colorado Fuel and Iron Corporation, The. (See Boyce, William S., assignor.)
Combustion Engineering Company. (See Owens, Vincent P., assignor.)
Commercial Ingredients Corporation. (See Dunajeff, Leonid A., assignor.)
Compagnie Generale de Telegraphie sans Fil. (See Rocard, Yves, assignor.)
Colon Corporation. (See Jentsch, Robert A., assignor.)
Conover, George F., assignor of one-half to L. G. Conover, Wolford, N. Dak. Endgate. 2,258,203; Oct. 7.
Conover, Leon G. (See Conover, George F., assignor.)
Continental Oil Company. (See Lincoln, B. H., and Byrkit, assignors.)
Cook, Judson A. (See Bocklus, C., and Cook.)
Coopey, Walter, Charleston, W. Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Apparatus for vaporization. 2,258,445; Oct. 7.
Copeland, Charles V. (See Leopold, H., and Copeland.)
Corbett, Harvey W. (See Hasenburger, H., and Corbett.)
Corhart Refractories Company. (See Field, Theodore E., assignor.)
Cornell, Fay D., Pasadena, assignor to A. O. Martin and E. Hoffman, Los Angeles, Calif. Husbandry system. 2,257,734; Oct. 7.
Cory, Harvey, Chicago, Ill. Stand for coffee makers. 2,258,484; Oct. 7.
Cosner, Vollie G., Omaha, Nebr. Ignition cutoff device. 2,258,539; Oct. 7.
Cozzoli, Frank, Plainfield, N. J. Ampoule sealing machine. 2,258,408; Oct. 7.
Crago, Harry R., Schenectady, N. Y., assignor to General Electric Company. Heating system. 2,258,239; Oct. 7.
Cramer, Raymond H., Newark, N. J., assignor to General Motors Corporation, Detroit, Mich. Separator loading machine. 2,258,048; Oct. 7.
Cressaty, George M., New York, N. Y. Illuminated vanity case. 2,258,540; Oct. 7.
Cressaty, George M., New York, N. Y. Illuminated vanity case. 2,258,541; Oct. 7.
Cressaty, George M., New York, N. Y. Illuminated vanity case. 2,258,542; Oct. 7.
Cressaty, George M., New York, N. Y. Illuminated vanity case. 2,258,543; Oct. 7.
Cressaty, George M., New York, N. Y. Illuminated vanity case. 2,258,544; Oct. 7.
Crompton & Knowles Loom Works. (See Payne, Oscar V., assignor.)
Cross, David L., West Orange, N. J. Window accessory. 2,258,318; Oct. 7.
Crossett Chemical Company. (See Chesley, Kenneth G., assignor.)
Crow, Luther H. (See Baker, W., Lehti, and Crow.)
Crown Cork & Seal Company. (See Goebel, G., and Rau, assignors.)
Crum, Stephen, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Tube switch. 2,257,900; Oct. 7.
Cunningham, Walter L., Muncie, Ind. Bottle dispensing apparatus. 2,258,409; Oct. 7.
Curtis, John A., Greenville, assignor to Dresser Manufacturing Company, Bradford, Pa. Pipe joint. 2,258,135; Oct. 7.
Cushman Chuck Company, The. (See Sloan, H. E., and Highberg, assignors.)
Cutler-Hammer, Inc. (See Stansbury, Carroll, assignor.)
Daendliker, Hansruedi, Winterthur, Switzerland, assignor to International Business Machines Corporation, New York, N. Y. Accounting machine. 2,258,110; Oct. 7.
Dahle, Joseph, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Making stable vinyl resins. 2,258,410; Oct. 7.
Dahlstrom, John A. (See Resck, M., and Dahlstrom.)
Dannenberg, Joseph, executor, et al. (See Leprestre, Rene.)
Daudt, Herbert W., Wilmington, Del., and D. E. Kvalnes, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Blue monazo dye. 2,257,788; Oct. 7.
Davidsohn, Hilde, Paris, France. Glove. 2,257,939; Oct. 7.
Davidson Chemical Corporation. (See Patrick, Walter A., Jr., assignor.)
Davies, Clarence J., assignor to National Automotive Fibres, Inc., Detroit, Mich. Forming member. 2,258,240; Oct. 7.
Davis, Ernest W., Oak Park, assignor to Stewart-Warner Corporation, Chicago, Ill. Lubricating apparatus. 2,257,725; Oct. 7.
Davies, Richard L., assignor to Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Purifying electrolytic cell liquor. 2,258,545; Oct. 7.
Dawihl, Walther. (See Bergmann, A., Dawihl, and Fritsch.)
Dean, Walter J., executor, et al. (See Clothier, H. W., and Allen.)
De Armond, Henry, et al. (See Hinds, Fred, assignor.)
Decker, Harry L., Ardmore, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Grate. 2,258,280; Oct. 7.
Deere & Company. (See Hyland, W. A., and Louthan, assignors.)
De Hoffmann, Alexander C., New York, N. Y. Windshield wiper blade. 2,257,789; Oct. 7.
Deiss, Emmy L., Los Angeles, Calif. Vegetable cutter. 2,258,087; Oct. 7.
De Jorio, Stella, La Canada, Calif. Breast form and brassière. 2,258,209; Oct. 7.
De Kay, Robert E., assignor to Na-Mac Products Corp., Los Angeles, Calif. Movable closure device. 2,258,002; Oct. 7.
Dellinger Manufacturing Company. (See Doutrich, John, assignor.)
Demuth, Galan W., Westville, N. J., assignor to Radio Corporation of America. Electrical musical instrument. 2,258,241; Oct. 7.
Denning, Paul S., assignor to F. E. Schundler & Co., Inc., Joliet, Ill. Removable insulating unit for pipe couplings and the like. 2,258,176; Oct. 7.
De Noronha, Joaquin, New York, N. Y., assignor to De Noronha Rubber Products Corporation, New Brunswick, N. J. Rubber overshoe. 2,257,901; Oct. 7.
De Noronha, Joaquin, New York, N. Y., assignor to De Noronha Rubber Products Corporation, New Brunswick, N. J. Rubber overshoe. 2,257,902; Oct. 7.
De Noronha Rubber Products Corporation. (See De Noronha, Joaquin, assignor.)
Densmore, Leroy F., assignor to Snap-On Tools Corporation, Kenosha, Wis. Valve seat grinder stone carrier. 2,258,505; Oct. 7.
De Orlow, Stephen, Detroit, Mich. Hinge structure. 2,258,065; Oct. 7.
Detroit Harvester Company. (See Kost, Harold W., assignor.)
Deutsche Hollereth Maschinen Gesellschaft m. b. H. (See Maul, Michael, assignor.)
Diamond Power Specialty Corporation. (See Bowers, F., and Brelsford, assignors.)
Dickson Butane Equipment Co. (See Dickson, Robert L., assignor.)
Dickson, Robert L., Sacramento, assignor to Dickson Butane Equipment Co., San Mateo County, Calif. Carburetor device. 2,258,003; Oct. 7.
Dietrich, Jakob. (See Bäseler, W., Zangl, and Dietrich.)
Dietz, Karl, Cronberg, Taunus, H. Greune, Frankfort-on-the-Main-Hochst, and F. Privinsky, Hofheim, Taunus, Germany, assignors, by mesne assignments, to Penn-Chlor, Incorporated, Philadelphia, Pa. Resinous cement capable of hardening rapidly in the cold and preparing it. 2,258,546; Oct. 7.
Dillingham, Vachel S. (See Goodman, H., and Dillingham.)
Dirkes, Robert F. (See Wheeler, E. R., Dirkes, and Kimball.)
Ditzel, Oscar M., Rahway, and V. Petersen, Plainfield, N. J., assignors to Phelps Dodge Copper Products Corporation, Dover, Del. Apparatus for drawing tubes of multiple wall thickness. 2,258,242; Oct. 7.

Divco-Twin Truck Company. (See Nicol, John, assignor.)
Dixon, Paul, Omaha, Nebr. Flush tank valve. 2,257,839; Oct. 7.
Doane, Leroy C., assignor to The Doane Products Corporation, Meriden, Conn. Lighting apparatus. 2,258,353; Oct. 7.
Doane, Leroy C., assignor to The Doane Products Corporation, Meriden, Conn. Luminaire. 2,258,354; Oct. 7.
Doane Products Corporation, The. (See Doane, Leroy C., assignor.)
Doberstein, Edward J., Blue Island, assignor to Goodman Manufacturing Company, Chicago, Ill. Kerf-cutting machine. 2,258,049; Oct. 7.
Dodds, Nugent, Washington, D. C. Cleaner for typewriter type and the like. 2,258,547; Oct. 7.
Donaldson, David H., North Wembley, and H. T. Ramsay, Hatch End, Pinner, assignors to The General Electric Company Limited, London, England. Mercury arc converter. 2,257,790; Oct. 7.
Doolittle, Arthur K., South Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Vinyl resin coating and process producing same. 2,258,243; Oct. 7.
Dority, Lynn D. (See Heft, K. G., Rapp, and Dority.)
Dornier, Claude, assignor of one-half to Dornier-Werke, G. m. b. H., Friedrichshafen-on-the-Bodensee, Germany. Airplane having a liftable pusher plant. 2,257,940; Oct. 7.
Dornier-Werke G. m. b. H. (See Dornier, Claude, assignor.)
Douglass, Myrl R., Edgewood, assignor to The Union Switch & Signal Company, Swissville, Pa. Test and focusing means for light signals. 2,258,355; Oct. 7.
Doutrich, John, assignor to Dellinger Manufacturing Company, Lancaster, Pa. Combined elevator and bagging device for corn shelling machines. 2,258,548; Oct. 7.
Dow Chemical Company, The. (See Barry, Arthur J., assignor.)
Dow Chemical Company, The. (See Britton, E. C., and Singh, assignors.)
Dow Chemical Company, The. (See Chamberlain, Leonard C., assignor.)
Dow Chemical Company, The. (See Dreisbach, Robert R., assignor.)
Dow Chemical Company, The. (See Kirk, Roy C., assignor.)
Dow Chemical Company, The. (See Matheson, L. A., Boyer, and Stowe, assignors.)
Dow Chemical Company, The. (See White, Elwood V., assignor.)
Dowinsky, Samuel, New York, N. Y. Pressing iron. 2,258,446; Oct. 7.
Drake, Augustus W., Pasadena, Calif. Animal trap. 2,258,540; Oct. 7.
Dreisbach, Robert R., assignor to The Dow Chemical Company, Midland, Mich. Mixture of isomeric ethyl dibromobenzenes. 2,257,903; Oct. 7.
Dresser Manufacturing Company. (See Curtis, John A., assignor.)
Drimeyer, George F. (See Neveling, A., and Drimeyer.)
Dube, Isadore H., assignor to The Hamilton Match Company, Inc., Cincinnati, Ohio. Combination match stand and snuffer. 2,258,004; Oct. 7.
Dubiller, William, New Rochelle, N. Y. Hearing aid amplifier. 2,257,840; Oct. 7.
Dulsberg, Walther H. (See Suchy, R., and Seliger, assignors.)
Dunajeff, Leonid A., assignor to Commercial Ingredients Corporation, New York, N. Y. Aerial torpedo. 2,258,281; Oct. 7.
Dunham, Byron W. (See Bell, D. S., and Dunham.)
Dunn, Andrew C., Chicago, Ill. Electroforming method of making molds. 2,258,579; Oct. 7.
Dunn, Holbert E. (See Robertson, J., Dunn, and Sproul.)
Dunn, William E., Kansas City, Mo., assignor to The Fluor Corporation, Ltd., Los Angeles, Calif. System for conditioning air for engines. 2,258,088; Oct. 7.
Dunn, William E., Kansas City, Mo., assignor to The Fluor Corporation, Ltd., Los Angeles, Calif. Control system for engine cooling water. 2,258,089; Oct. 7.
Dünnebier, Max. (See Winkler, A., and Dünnebier.)
Du Pont, E. I., de Nemours & Company. (See Coopey, Walter, assignor.)
Du Pont, E. I., de Nemours & Company. (See Cockerill, Robert F., assignor.)
Du Pont, E. I., de Nemours & Company. (See Daudt, H. W., and Kvalnes, assignors.)
Du Pont, E. I., de Nemours & Company. (See Hastings, George V., assignor.)
Du Pont, E. I., de Nemours & Company. (See Howk, Benjamin W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Kvalnes, Hamline M., assignor.)
Du Pont, E. I., de Nemours & Company. (See Rigby, George W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Signaigo, Frank K., assignor.)
Du Pont, E. I., de Nemours & Company. (See Tinker, John M., assignor.)
Du Pont, E. I., de Nemours & Company. (See Tinker, J. M., Weinmayr, and Linch, assignors.)
Du Pont, E. I., de Nemours & Company. (See Vaala, Gordon T., assignor.)
Du Pont, E. I., de Nemours & Company. (See Wuertz, A. J., and Tobin, assignors.)
Durdin, Augustus C. Jr., Chicago, Ill. Power transmission. 2,258,005; Oct. 7.
Dutky, Samson R., Moorestown, N. J., assignor to C. R. Wickard, as Secretary of Agriculture of United States of America, and his successors in office. Method for the control of Japanese beetle. 2,258,319; Oct. 7.
Eastman Kodak Company. (See Mannes, L. D., Godowsky, and Wilder, assignors.)
Eaton Manufacturing Company. (See Findley, Howard J., assignor.)
Edgar Plastic Kaolin Company. (See Phelps, Donald S., assignor.)
Edgewater Steel Company. (See Bell, D. S., and Dunham, assignors.)
Edison General Electric Appliance Company, Inc. (See Mikeska, Peter L., assignor.)
Edmister, James O., et al. (See Edmister, William R., assignor.)
Edmister, William H., et al. (See Edmister, William R., assignor.)
Edmister, William R., assignor of one-third to W. H. Edmister and one-third to J. O. Edmister, Columbus, Ohio. Hinge construction for hatchway covers. 2,257,791; Oct. 7.
Edwards, William N., White Deer, Tex. Rod or cable guide. 2,258,177; Oct. 7.
Efromson, Philip C. (See Catland, A. C., and Efromson.)
Eggers, Hans, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Direction finding system. 2,258,006; Oct. 7.
Eilers, Charles A. (See Schwarz, H., and Eilers.)
Elam, Bernard L., Knoxville, Tenn. Water heater. 2,257,841; Oct. 7.
Electric & Musical Industries Limited. (See Collard, John, assignor.)
Electric & Musical Industries Limited. (See Lubszynski, H. G., and Klatzow, assignors.)
Electric & Musical Industries Limited. (See Percival, W. S., Browne, Johnson, and Blythen, assignors.)
Electric Vacuum Cleaner Company, Inc. (See Lang, Henry T., assignor.)
Electronic Development Corporation. (See McNary, J. C., and Chambers, assignors.)
Elliott, Harold E., Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for shaping uppers over lasts. 2,257,842; Oct. 7.
Ellis, Clifford A., Ridgefield, N. J. Breather reservoir. 2,257,941; Oct. 7.
Ellis-Foster Company. (See Rust, John B., assignor.)
Elmendorf, Harold J., Worcester, Mass., and H. A. Brown, Hampton Falls, N. H., assignors to The American Steel and Wire Company of New Jersey. Hardenable steel heat treatment. 2,258,566; Oct. 7.
Emmert, Kenneth L. (See Hensel, F. R., Emmert, and Wiggs.)
Emmitt, Robert R., Williamsport, and E. L. Schenck, Muncy, assignors of one-third to W. C. Harer, Williamsport, Pa. Making a fibrous material from waste leather. 2,257,726; Oct. 7.
Engel, Willem F., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Preparation of catalysts. 2,258,111; Oct. 7.
Engeln, John H. (See Van Sittert, P., Speth, and Engeln.)
Engler, Calvin R. (See Leiby, Martin F., assignor.)
Epstein, Chester H., Highland Park, and N. R. Gotthoffer, assignors to Grayslake Gelatin Co., Grayslake, Ill. Conserving flavoring materials. 2,258,567; Oct. 7.
Ericks, Walter P., Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y. Monoalkylol cyanamide condensation product. 2,258,320; Oct. 7.
Ericks, Walter P., Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y. Condensation products of amines and monoalkylol cyanamides. 2,258,321; Oct. 7.
Ericson, Elmer W., assignor to The Barrett Bindery Co., Chicago, Ill. Display binder. 2,258,282; Oct. 7.
Erland af Kleen, Nils, London, England. Absorption refrigerating system. 2,257,735; Oct. 7.
Escher Wyss Maschinenfabrieken Aktiengesellschaft. (See Keller, Curt, assignor.)
Estey, Maynard E., Canandaigua, N. Y. Rotary fluid pump or motor. 2,258,379; Oct. 7.
Evans, Addison W., assignor to The Torrington Manufacturing Co., Torrington, Conn. Blower wheel construction. 2,258,050; Oct. 7.
Everson, Roy B., Chicago, Ill. Control valve. 2,258,485; Oct. 7.
Ewald, Heinrich K. F., Chemnitz, assignor to Wanderer-Werke vorm. Winklhofer & Jaenicke Akt.-Ges., Schonau-Chemnitz, Germany. Bookkeeping machine. 2,258,090; Oct. 7.
Ewald, Heinrich K. F., Chemnitz, assignor to Wanderer-Werke Aktiengesellschaft, Siegmar-Schönau, Germany. Zero printing control mechanism. 2,258,091; Oct. 7.
Faber, Erich, Bridgeport, Conn., assignor to General Electric Company. Washing machine. 2,258,244; Oct. 7.
Fairbanks, Philip R., Ogden, Utah. Tail gate. 2,258,447; Oct. 7.

Farnsworth, Philo T., Philadelphia, Pa., assignor to Farnsworth Television & Radio Corporation, New York, N. Y. Image amplifier. 2,257,942; Oct. 7.
Farnsworth Television & Radio Corporation. (See Farnsworth, Philo T., assignor.)
Farnsworth Television & Radio Corporation. (See Snyder, Richard L., assignor.)
Feld, Reinhard, Berlin-Neutempelhof, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Disturbance suppression arrangement. 2,258,283; Oct. 7.
Feldman, Abraham G., assignor to Storkline Furniture Corporation, Chicago, Ill. Baby carriage. 2,257,943; Oct. 7.
Fellows Gear Shaper Company, The. (See Miller, Edward W., assignor.)
Felt & Tarrant Mfg. Co. (See Niemann, Frederick A., assignor.)
Fernly, Joseph E. (See Woodford, J. C., and Fernly.)
Ferrier, Norman K., Valley City, Ohio. Magnetic inspection unit. 2,257,736; Oct. 7.
Ferriguto, Italo, and A. Moauro, Rome, Italy. Color analysis and color synthesis for the projection of colored pictures in photography and cinematography. 2,258,380; Oct. 7.
Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschrankter Haftung. (See Schütze, Werner, assignor.)
Field, Crosby, assignor to Flakice Corporation, Brooklyn, N. Y. Heat exchange apparatus. 2,257,904; Oct. 7.
Field, Theodore E., assignor to Corhart Refractories Company, Louisville, Ky. Producing cast refractory and similar articles. 2,257,737; Oct. 7.
Findley, Howard J., Euclid, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Air circulator. 2,258,284; Oct. 7.
Firestone Tire & Rubber Company, The. (See Morris, H. B., assignor.)
Firestone Tire & Rubber Company, The. (See Morris, H. B., and Street, assignors.)
Firth, David, and J. E. Storer, Jr., Flint, Mich., assignors, by mesne assignments, to E. Rector, New York, N. Y. Oil carburetor. 2,258,486; Oct. 7.
Fischbein, Wilhelm J., New York, N. Y. Filtering vessel for coffee and the like. 2,257,944; Oct. 7.
Fischer, Albert C., Chicago, Ill. Compacting apparatus and method. 2,257,738; Oct. 7.
Fischer, William F. (See Miller, Reginald R., assignor.)
Fish, Paul F., Baltimore, Md. Nesting shipping drums with hoops therefor. 2,258,285; Oct. 7.
Fisher, Michael, Providence, R. I. Thermostatic damper mechanism. 2,258,506; Oct. 7.
Fitch, Tecumseh S. (See Armstrong, P. A. E., and Fitch.)
Fitzsimmons, John T., and H. L. Hartzell, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Coil-timer-distributor unit. 2,257,844; Oct. 7.
Flagg, Jewett T., assignor to Gardiner-Warring Company, Inc., Florence, Ala. Undergarment. 2,258,411; Oct. 7.
Flakice Corporation. (See Field, Crosby, assignor.)
Fleischer, Wilhelm, and J. Kielland, Porsgrunn, assignors to Norsk Hydro-Elektrisk Kvaelstofaktieselskab, Oslo, Norway. Recovery of potassium salts from solutions. 2,258,381; Oct. 7.
Fletcher, Daniel W., Toronto, Ontario, Canada. Hydraulic transmission. 2,257,792; Oct. 7.
Fletcher, James H. (See Lee, A. L., and Fletcher.)
Flindt, Charles L., San Jose, Calif. Sole trimming and channeling machine. 2,257,739; Oct. 7.
Flow Controls, Inc. (See Merz, Catherine A. L., assignor.)
Fluor Corporation, The. (See Dunn, William E., assignor.)
Flygare, Carl G., assignor to Norton Company, Worcester, Mass. Grinding wheel truing apparatus. 2,258,568; Oct. 7.
Fogg, Robert E., Cambridge, Mass. Flocking. 2,258,092; Oct. 7.
Foigmann, August, Berlin-Falkensee, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Hydraulic governor. 2,258,136; Oct. 7.
Food Machinery Corporation. (See Marsden, G. P., and Stebler, assignors.)
Food Machinery Corporation. (See Marsden, G. P., and Verrinder, assignors.)
Forbes, Henry C., assignor of one-half to Colonial Radio Corporation, Buffalo, N. Y., and one-half to The F. W. Sickles Company, Springfield, Mass. Image suppressor. 2,258,137; Oct. 7.
Forcey, George W. (See Abrams, A., Forcey, Brabender, and Graebner.)
Foxboro Company, The. (See Beal, Arthur G., assignor.)
Frank, Robert L., assignor to Bulldog Electric Products Company, Detroit, Mich. Circuit breaker. 2,257,793; Oct. 7.
Fraser, Harold M., assignor to International Lubricant Corporation, New Orleans, La. Method of and apparatus for treating grease. 2,257,945; Oct. 7.
Frese, Joseph F., assignor to Monitor Controller Company, Baltimore, Md. Resilient mounting for vibratory bodies. 2,258,550; Oct. 7.
Fritsch, Otto. (See Bergmann, A., Dawihl, and Fritsch.)
Fritze, Otto. (See Ruttenauer, A., and Fritze.)
Frolich, Lili K., Louisville, Nebr. Antiskid shoe device. 2,258,322; Oct. 7.
Fullaway, Samuel V., Omaha, Nebr. Railroad passenger car. 2,257,946; Oct. 7.
Gagnier, George E. (See Place, Bion C., assignor.)
Gall, Carl. (See Betterton, J. O., and Gall.)
Gardiner-Warring Company. (See Flagg, Jewett T., assignor.)
Garner, Lloyd P., Newark, N. J., assignor to Radio Corporation of America. Electron discharge device. 2,257,794; Oct. 7.
Garwin, Louis O., Cleveland Heights, and C. E. Colegrove, Lakewood, assignors to White Sewing Machine Corporation, Cleveland, Ohio. Stitch regulating mechanism for sewing machines. 2,258,487; Oct. 7.
Gastrow, Hans, Zerbst, Anhalt, Germany. Mold closing mechanism. 2,258,003; Oct. 7.
Gates, John C. (See Johnstone, H. G., and Gates.)
Gaultier, Michael P., St. Paul, and M. L. Alexander, Minneapolis, Minn. Washing machine. 2,258,051; Oct. 7.
Gaverth, Axel E., Chicago, Ill. Chair. 2,258,488; Oct. 7.
Gazlay, Paul M., Chicago, Ill. Fall-board structure for pianos or the like. 2,258,286; Oct. 7.
General Aniline & Film Corporation. (See Schwarz, H., and Nelles, assignors.)
General Chemical Company. (See Stirlen, Eugene D., assignor.)
General Electric Company (See Atwood, W. A., and Seaman, assignors.)
General Electric Company. (See Bancker, Elbert H., assignor.)
General Electric Company. (See Bergmann, A., Dawihl, and Fritsch, assignors.)
General Electric Company. (See Brüche, E., and Recknagel, assignors.)
General Electric Company. (See Crago, Harry R., assignor.)
General Electric Company. (See Faber, Erich, assignor.)
General Electric Company. (See Hall, Chester I., assignor.)
General Electric Company. (See Hamilton, Francis A., Jr., assignor.)
General Electric Company. (See Hunter, Eugene M., assignor.)
General Electric Company. (See Kennedy, Luke F., assignor.)
General Electric Company. (See Levoy, Louis G., assignor.)
General Electric Company. (See McArthur, Elmer D., assignor.)
General Electric Company. (See Ogden, Harold S., assignor.)
General Electric Company. (See Rochow, Eugene G., assignor.)
General Electric Company. (See Ruttenauer, A., and Fritze, assignors.)
General Electric Company. (See Sheppard, Raymond, assignor.)
General Electric Company. (See Skeats, Wilfred F., assignor.)
General Electric Company. (See Skinner, Charles K., assignor.)
General Electric Company. (See Stimson, Allen G., assignor.)
General Electric Company. (See Taylor, Laurens A., assignor.)
General Electric Company. (See Warren, Glenn B., assignor.)
General Electric Company Limited, The. (See Donaldson, D. H., and Ramsay, assignors.)
General Mills, Inc. (See Anderson, Helmer, assignor.)
General Motors Corporation. (See Burge, J. S., and Gray, assignors.)
General Motors Corporation. (See Claytor, Edward M., assignor.)
General Motors Corporation. (See Cramer, Raymond H., assignor.)
General Motors Corporation. (See Fitzsimmons, J. T., and Hartzell, assignors.)
General Motors Corporation. (See Hull, Harry B., assignor.)
General Motors Corporation. (See Jacobs, James W., assignor.)
General Motors Corporation. (See Rady, William J., assignor.)
General Motors Corporation. (See Sarver, Emmett F., assignor.)
General Motors Corporation. (See Smith, Harry F., assignor.)
General Railway Signal Company. (See Merkel, Joseph F., assignor.)
General Steel Castings Corporation. (See Neveling, A., and (Driemeyer, assignor).)
General Tire & Rubber Company, The. (See Breth, Walter J., assignor.)
General Tire & Rubber Company, The. (See Kraft, Herman T., assignor.)
General Tire & Rubber Company, The. (See Maranville, Harvey F., assignor.)
Geritz Adrian Manufacturing Corporation. (See Schultz, Charles A., assignor.)

Gesell, Frank A., Jersey City, N. J. Orange peeler, sectionizer, and grapefruit preparing tool. 2,258,448; Oct. 7.
Gibson, Inc. (See Abrams, N. B., and Mills, assignors.)
Gilmore, Samuel E. (See Jauch, R. J., and Gilmore.)
Globe Oil Tools Company. (See Catland, A. C., and Efromson, assignors.)
Globe-Union Inc. (See Rubinstein, Harry W., assignor.)
Godowsky, Leopold, Jr. (See Mannes, L. D., Godowsky, and Wilder.)
Goebel, George, and H. A. Rau, assignors to Crown Cork & Seal Company, Baltimore, Md. Method and apparatus for coating articles. 2,257,740; Oct. 7.
Goebel, Joseph, Mainz, Germany. Apparatus for the projection of upright pictures. 2,258,382; Oct. 7.
Goeller, Edward F., New York, N. Y. Costume accessory. 2,258,112; Oct. 7.
Goldberg, Jacob M., Denver, Colo. Film splicer. 2,258,356; Oct. 7.
Goldthwait, Crawford, Winchester, Mass. Automatic calendar. 2,257,947; Oct. 7.
Gonderman, Harold D., assignor of one-half to G. D. Martin, Nappanee, Ind. Accelerator control device. 2,258,007; Oct. 7.
Goodman, Harry, and V. S. Dillingham, Oklahoma City, Okla. Rotary atomizer. 2,258,357; Oct. 7.
Goodman Manufacturing Company. (See Doberstein, Edward J., assignor.)
Gorrie, Harvard H., Cleveland Heights, Ohio, assignor to Bailey Meter Company. Measuring and controlling apparatus. 2,257,905; Oct. 7.
Gotthoffer, Nathan R. (See Epstein, C. H., and Gotthoffer.)
Gough, James J., assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Toaster. 2,257,906; Oct. 7.
Gould, Merle E., Greenwich, Conn., assignor to Photoelectric Business Machines, Inc., New York, N. Y. Accounting machine. 2,258,204; Oct. 7.
Grabach, August J., deceased, by C. H. Carter, administrator, assignor to M. B. Grabach, Toledo, Ohio. Ground wheel mounting, especially for trailers. 2,258,449; Oct. 7.
Grabach, Mayme B. (See Grabach, August J., assignor.)
Graebner, Winfred H. (See Abrams, A., Forcey, Brabender, and Graebner.)
Graham, Frank O., assignor to Temprite Products Corporation, Detroit, Mich. Float valve. 2,258,450; Oct. 7.
Graham, George M., Detroit, assignor to Hinckley-Meyers Company, Jackson, Mich. Bait box. 2,257,879; Oct. 7.
Graviner Manufacturing Company. (See Salmond, H. M., and Mathisen, assignors.)
Gravely Motor Plow & Cultivator Co. (See Rose, Eustace L., assignor.)
Gray, Frank, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge apparatus and circuits. 2,257,795; Oct. 7.
Gray, James E., Charlestown, Mass. Automatic fuel shutoff for vehicles. 2,258,323; Oct. 7.
Gray, Otis K. (See Burge, J. S., and Gray.)
Gray, Rollin L., assignor to The Illinois Lock Company, Chicago, Ill. Lock. 2,257,741; Oct. 7.
Graystake Gelatin Co. (See Epstein, C. H., and Gotthoffer, assignors.)
Green, John P., Philadelphia, Pa. Preventing moisture condensation upon refrigerator windows. 2,257,948; Oct. 7.
Greenlee, Theodore K., assignor to Barber-Colman Company, Rockford, Ill. Automatic control system. 2,257,742; Oct. 7.
Greer, Agnes J. R. (See Nyberg, Stone, assignor.)
Greer, Agnes J. R., Morgantown, W. Va. Recoiler for metal strips. 2,257,743; Oct. 7.
Greune, Heinrich. (See Dietz, K., Greune, and Privinsky.)
Grieshaber, Martha R., Chicago, Ill. Adenotome. 2,258,287; Oct. 7.
Grindle, Aubrey J., Chicago, Ill. Burner cabinet construction. 2,258,480; Oct. 7.
Griswold, Nelson D., assignor to Cliffs Dow Chemical Company, Midland, Mich. Making activated carbon. 2,257,907; Oct. 7.
Grossmann, Paul, Binningen, assignor to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Manufacture of 1-amino-4-(4'-hydroxy)-phenylamino anthraquinones. 2,258,551; Oct. 7.
Gruettner, Gerhard G., New York, N. Y. Portable printing device. 2,257,949; Oct. 7.
Gruse, William A. (See Stevens, D. R., and Gruse.)
Gruver, J. H. (See Martinek, Stanley A., assignor.)
Gulf Research & Development Company. (See Stevens, D. R., and Gruse, assignors.)
Gulf Research & Development Company. (See Trautman, Charles E., assignor.)
Gutridge, Jack, Chicago, Ill. Airplane wing. 2,258,490; Oct. 7.
Haas, Otto R., North Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Sewing machine. 2,257,950; Oct. 7.
Haberstump, Alfred H., assignor to The Murray Corporation of America, Detroit, Mich. Automobile body. 2,257,951; Oct. 7.
Haddon, H. Douglas, executor, et al. (See Leprestre, Rene.)
Haffner, Arlie O., Geneva, Ind., assignor to The Autoyre Company, Incorporated, Oakville, Conn. Towel bar and shelf bracket. 2,258,178; Oct. 7.
Hall, Chester I., Schenectady, N. Y., assignor to General Electric Company. Steam heating system. 2,258,245; Oct. 7.
Hall, Edwin S., Farmington, Conn. Wobbler mechanism. 2,258,138; Oct. 7.
Hall, Jesse E., Los Angeles, Calif. Spiral guide and tubing holder. 2,258,052; Oct. 7.
Halvorson, Peter B., Rochester, Minn. Road building machine. 2,258,205; Oct. 7.
Hamilton, Francis A., Jr., Schenectady, N. Y., assignor to General Electric Company. Protection of alternating current electric systems. 2,258,246; Oct. 7.
Hamilton Match Company, The. (See Dube, Isadore H., assignor.)
Haniquet, George, Glendale, Calif. Automatic portable derrick. 2,258,383; Oct. 7.
Hans, Edmund E., Detroit, Mich. Heater. 2,258,324; Oct. 7.
Hansen, Albert W., West Springfield, Mass., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Tire cord and making same. 2,258,179; Oct. 7.
Hansen, Odd A. (See Zenner, G. H., and Hansen.)
Hansford, Rowland C. (See Sachanen, A. N., and Hansford.)
Hardesty, Francis D. (See Hull, Alva M., assignor.)
Harer, W. Clyde, et al. (See Emmitt, R. R., and Schenck, assignors.)
Harper, Edward A. (See Hill, George and A. G., and Baker, Mitchum, and Harper.)
Harper, Philip S., Chicago, Ill., assignor to Harper-Wyman Company. Valve mechanism and the like. 2,257,880; Oct. 7.
Harper-Wyman Company. (See Harper, Philip S., assignor.)
Harris, Elmer F., Birmingham, Ala. Cold rolling solution. 2,258,552; Oct. 7.
Harris, Robert E., Ontario, Calif. Axle for toy vehicles. 2,258,053; Oct. 7.
Harris-Seybold-Potter Company. (See Wright, Joseph T., assignor.)
Harrington, William P., Hattiesburg, Miss. Tire deflation indicator. 2,258,384; Oct. 7.
Harshaw Chemical Company, The. (See Bozarth, Abe R., assignor.)
Hartley, Alfred C., Farnborough, England. Method and machine for making roofing tiles. 2,258,553; Oct. 7.
Hartmann-Riis, Petter, Ostre Aker, near Oslo, Norway. Temperature control in oil fired central heat plants. 2,258,385; Oct. 7.
Hartnett, John T., Boston, Mass. Container. 2,257,952; Oct. 7.
Hartzell, Herman L. (See Fitzsimmons, J. T., and Hartzell.)
Harvey, Leo M., Los Angeles, Calif. Dispensing device. 2,258,358; Oct. 7.
Hasenburger, Henry, Newark, N. J., and H. W. Corbett, assignors to Prebilt Housing Corporation, New York, N. Y. Bay construction for housing. 2,258,491; Oct. 7.
Haskell, George F., North Pharsalia, N. Y. Tapered fishing line and making. 2,257,953; Oct. 7.
Hastings, George V., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Combination pay check with attached receipt. 2,258,206; Oct. 7.
Hastings, Russell, Jr., Wellesley Hills, assignor to Lewis-Shepard Company, Watertown, Mass. Portable stacker for pallet skids and the like. 2,258,180; Oct. 7.
Haynes Stellite Company. (See Brennan, Joseph H., assignor.)
Hazeltine Corporation. (See Taylor, M. K., and Wood, assignors.)
Heath, Frank M., Silver Spring, Md. Flush tank valve rod bearing arm adjusting and testing device. 2,258,386; Oct. 7.
Heft, Kenneth G., E. J. Rapp, and L. D. Dority, assignors to Morris Packaging Equipment Company, Toledo, Ohio. Printing machine for margarine or the like. 2,258,288; Oct. 7.
Heldbrink, Jay A., Minneapolis, Minn., assignor, by mesne assignments, to Air Reduction Company, Incorporated. High altitude chamber. 2,258,054; Oct. 7.
Hellman, Joseph R. (See Parr, B. F., and Hellman.)
Heise, George W. (See Janes, M., and Heise.)
Heineke, Henry L., Springfield, Ill. Belt tightening and loosening driving connection. 2,257,796; Oct. 7.
Henkels, Kurt, Wuppertal, Germany. Slide-fastener link. 2,257,954; Oct. 7.
Hensel, Franz R., K. L. Emmert, and J. W. Wiggs, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electric contacting element. 2,258,492; Oct. 7.
Herman, Joseph G., Los Angeles, Calif. Loose-leaf stamp display page and card. 2,257,955; Oct. 7.
Herold, Walter F., assignor to The Bassick Company, Bridgeport, Conn. Wheel mounting. 2,258,359; Oct. 7.
Hess, Theodore, Prairie View, Ill., and R. C. Jepertinger, Milwaukee, assignors to Modine Manufacturing Company, Racine, Wis. Combination fan guard and motor mounting. 2,258,325; Oct. 7.

Hetzer, Russell A., Cincinnati, assignor to The American Laundry Machinery Company, Norwood, Ohio. Valve regulating apparatus. 2,258,360; Oct. 7.

Hewes, Lawrence S., Gravenhurst, Ontario, Canada, assignor, by mesne assignments, to Rubberset Company, Newark, N. J. Paintbrush. 2,258,361; Oct. 7.

Heyer, Don, Los Angeles, Calif., assignor to U. S. Electrical Motors, Inc. Variable speed transmission device. 2,257,744; Oct. 7.

Heyer, Frederick W., and F. H. Platt, Nanticoke, Pa. Surgical emergency signal. 2,258,554; Oct. 7.

Hibner, De Los E., Jr. (See Arey, F. C., and Hibner.)

Higgins, Clifford, Richmond, assignor to Claude-General Neon Lights Limited, London, England. Electric protective device for luminous electric discharge tube systems. 2,257,797; Oct. 7.

Highberg, George A. (See Sloan, H. E., and Highberg.)

Hill, Arthur G. (See Hill, George and A. G., and Baker, Mitchum, and Harper.)

Hill, George and A. G., Wellford, and P. H. Baker, Greenville, S. C., and L. C. Mitchum and E. A. Harper, Atlanta, Ga., assignors to The Texas Company, New York, N. Y. Apparatus for use in conditioning fibrous material. 2,257,798; Oct. 7.

Hill, Luther R. (See Keith, P. C., Jr., and Hill.)

Hill, Luther R. (See Keith, P. C., Jr., Hill, and Robertson.)

Hill, William H., Mount Lebanon, Pa., and E. L. Kropa, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparation of ketoximes. 2,257,908; Oct. 7.

Hilpman, Paul, Garden City, N. Y., assignor to Mergenthaler Linotype Company. Slug casting machine. 2,257,845; Oct. 7.

Hinckley-Myers Company. (See Graham, George M., assignor.)

Hinds, Fred, San Bernardino, assignor of forty-nine per cent to H. De Armond and E. W. Martin, Colton, and R. J. Welch, Jr., Riverside, Calif. Nut lock. 2,258,181; Oct. 7.

Hipsley, George W. (See Mathé, J. G., and Hipsley.)

Hoag, Edward H., Los Angeles, Calif. Flotation process. 2,258,507; Oct. 7.

Hodgson, Reginald H. (See White, L., Hodgson, White, and Jones.)

Hofer, Rudolf, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Modulation. 2,257,799; Oct. 7.

Hoffman, Elmer. (See Cornell, Fay D., assignor.)

Hofft, Maurice A., and N. T. Puckett, Indianapolis, Ind. Furnace grate. 2,257,956; Oct. 7.

Hofft, Maurice A., and N. T. Puckett, Indianapolis, Ind. Furnace grate. 2,257,957; Oct. 7.

Holcombe, Clifford F., San Antonio, Tex. Spark plug tester. 2,257,958; Oct. 7.

Hollatz, Arthur C., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Stuffing box. 2,258,008; Oct. 7.

Holloway, John H., Green Bay, and M. J. Murphy, Milwaukee, Wis., assignors to Murphy Diesel Company. Fuel pump. 2,258,035; Oct. 7.

Holmes, Henry H., and J. C. H. Hurd, assignors to Wildt and Company Limited, Leicester, England. Method of and machine for producing knitted fabrics. 2,258,569; Oct. 7.

Holt, Grant J., Melrose, Mass. Screwhead. 2,258,326; Oct. 7.

Holzwarth Gas Turbine Co. (See Holzwarth, Hans, assignor.)

Holzwarth, Hans, Dusseldorf, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif. Explosion turbine and operating same. 2,257,745; Oct. 7.

Hoppenstand, David, Fox Chapel Borough, Pa. Fastener with lock washer attached. 2,257,959; Oct. 7.

Horger, Oscar J., assignor to The Timken Roller Bearing Company, Canton, Ohio. Railway car axle bearing. 2,258,570; Oct. 7.

Hornung, John C., Glencoe, Ill. Gauge for lawn mower sharpening devices. 2,258,056; Oct. 7.

Horstman, Paul G., Ida Grove, Iowa. Fuel pumping and scavenging mechanism. 2,257,846; Oct. 7.

Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Motor vehicle accessory. 2,258,009; Oct. 7.

Horton, Erwin C., Hamburg, and R. E. Rousseau, assignors to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 2,258,010; Oct. 7.

Howard, Stanley R., Milton, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Automatic weighing machine. 2,258,182; Oct. 7.

Howes, Levi S., et al. (See Burns, Leo G., assignor.)

Howk, Benjamin W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Alloy-skeleton catalyst. 2,257,800; Oct. 7.

Hughes, Lizzie M. (See Calkins, Herbert B., assignor.)

Hull, Alva M., assignor of one-fifth to F. D. Hardesty, Detroit, Mich. Structural element. 2,258,247; Oct. 7.

Hull, Edwin J., assignor to Trabon Engineering Corporation, Cleveland, Ohio. Hydraulic operator. 2,258,493; Oct. 7.

Hull, Harry B., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,257,801; Oct. 7.

Humphrey, William M., Jackson Heights, and R. E. Lee, Jamaica, N. Y. Cleaning aluminum surfaces. 2,257,960; Oct. 7.

Humphreys, Joseph A., Egypt, Mass. Meter lock. 2,258,183; Oct. 7.

Hunter, Eugene M., Scotia, N. Y., assignor to General Electric Company. Protection of alternating current electric systems. 2,258,248; Oct. 7.

Hurd, John C. H. (See Holmes, H. H., and Hurd.)

Hultquist, Martin E. (See Northey, E. H., and Hultquist.)

Hurrell, Guy C. (See Winby, L. P., and Hurrell.)

Hygrade Sylvania Corporation. (See Lowry, Erwin F., assignor.)

Hyland, William A., Horicon, Wis., and G. R. Louthan, assignors to Deere & Company, Moline, Ill. Corn sheller. 2,258,494; Oct. 7.

Hyman, Henry. (See Rothenberg, Harry, assignor.)

I-T-E Circuit Breaker Company. (See Scott, William M., Jr., assignor.)

Illinois Lock Company, The. (See Gray, Rollin L., assignor.)

Imperial Type Metal Company. (See Somers, Lewis S., assignor.)

Indge, Herbert S., Westboro, assignor to Norton Company, Worcester, Mass. Crankshaft lapping machine. 2,258,571; Oct. 7.

Industrial Patents Corporation. (See Bratek, F. B., and McKee, assignors.)

Ingersoll Milling Machine Company, The. (See Ridgway, William F., assignor.)

Ingersoll-Rand Company. (See Carpenter, Allan O., assignor.)

Ingham, Herbert S., Jamaica, and A. P. Shepard, Forest Hills, Long Island, assignors to Metallizing Engineering Company, Inc., Long Island City, N. Y. Making negatives in metal of metal surfaces. 2,258,451; Oct. 7.

Ingham, Herbert S., Jamaica, and A. P. Shepard, Forest Hills, Long Island, assignors to Metallizing Engineering Company, Inc., Long Island City, N. Y. Making negatives in metal of solid objects or surfaces. 2,258,452; Oct. 7.

Inman, Ulysses A., Long Beach, Calif. Attaching wheel balance weights. 2,258,011; Oct. 7.

International Business Machines Corporation. (See Bryce, James W., assignor.)

International Business Machines Corporation. (See Carroll, Fred M., assignor.)

International Business Machines Corporation. (See Daendliker, Hansruedi, assignor.)

International Engineering Corporation. (See Brace. Kemper P., assignor.)

International Lubricant Corporation. (See Fraser, Harold M., assignor.)

Irwin, Glenn D., Terre Haute, Ind. Artificial denture retainer. 2,258,207; Oct. 7.

J-B-T Instruments, Inc. (See Johnson, Manfred J., assignor.)

Jabelmann, Otto, Omaha, Nebr., assignor to American Locomotive Company, New York, N. Y. Articulated locomotive. 2,258,572; Oct. 7.

Jacobs, James W., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,257,847; Oct. 7.

Jacobsen Manufacturing Company. (See Krenzke, William F., assignor.)

Janes, Milton, Lakewood, and G. W. Heise, Rocky River, Ohio, assignors to National Carbon Company. Electrolytic process of preparing arsenates. 2,257,746; Oct. 7.

Jaros, Joseph F., Riverside, Ill. Light projector. 2,257,881; Oct. 7.

Jauch, Robert J., Fort Wayne, Ind., and H. Somervell, Evanston, Ill., assignors to The Wayne Pump Company, Fort Wayne, Ind. Liquid dispensing apparatus. 2,258,495; Oct. 7.

Jauch, Robert J., and S. E. Gilmore, assignors to The Wayne Pump Company, Fort Wayne, Ind. Air separator. 2,258,496; Oct. 7.

Jauch, Robert J., Fort Wayne, Ind., and H. Somervell, Evanston, Ill., assignors to The Wayne Pump Company, Fort Wayne, Ind. Air separator. 2,258,497; Oct. 7.

Jeannotte, Emile A., Montreal, Quebec, Canada. Nail manicure machine. 2,258,012; Oct. 7.

Jeffrey, Wallace L., Fulton, Mo. Tree mover. 2,258,289; Oct. 7.

Jennings, Frank B. (See Thomas F. P., and Jennings.)

Jentsch, Robert A., Chicago, assignor to Conlon Corporation, Cicero, Ill. Clutch means. 2,257,802; Oct. 7.

Jepertinger, Richard C. (See Hess, T., and Jepertinger.)

Johnson, Arthur A., Bridgeport, Conn., assignor to Autographic Register Company, Hoboken, N. J. Manifolding pack. 2,258,573; Oct. 7.

Johnson, Chester W., Hanson, assignor to Walter E. Lombard, Arlington, Mass. Shelf. 2,258,057; Oct. 7.

Johnson, Clarence H., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Water closet. 2,258,453; Oct. 7.

Johnson, Clarence H., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Water closet. 2,258,454; Oct. 7.

Johnson, Emory B., Gainesville, Ga. Cleaning apparatus. 2,258,362; Oct. 7.

Johnson, George T., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Draft attachment for railway cars. 2,258,208; Oct. 7.

Johnson, Lena M., Sioux City, Iowa. Ladle. 2,258,058; Oct. 7.

Johnson, Leonard R. J. (See Percival, W. S., Browne, Johnson, and Blythen.)

Johnson, Manfred J., Naugatuck, assignor to J-B-T Instruments, Inc., New Haven, Conn. Measuring or gauge device. 2,258,113; Oct. 7.

Johnson Service Company. (See Otto, Carl A., assignor.)

Johnson, William H., Edgewood, Cranston, assignor to Weskenson Corporation, Providence, R. I. Cam follower mechanism. 2,258,114; Oct. 7.

Johnston, Andrew L., Jr., Plainfield, N. J. Apparatus for curling yarn. 2,258,139; Oct. 7.

Johnstone, Harold G., Berwyn, and J. C. Gates, Downers Grove, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Computing machine. 2,258,290; Oct. 7.

Johnstone, Warren W., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon distillates. 2,258,249; Oct. 7.

Jones, Bolling H., Jr. (See White, L., Hodgson, White, and Jones.)

Jones, Burr W., Elmira Heights, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Engine starter gearing. 2,258,455; Oct. 7.

Jones, Edward C., and T. B. Seay, San Antonio, Tex. Tire deflation and inflation indicator. 2,257,961; Oct. 7.

Jones, Everett P., Elizabeth, N. J., assignor to Oxweld Acetylene Company. Blowpipe nozzle for thermochemically forming a groove in a ferrous metal body. 2,258,456; Oct. 7.

Jones, Franklin D., Llanerch, assignor to American Chemical Paint Company, Ambler, Pa. Promoting the growth of plants. 2,258,291; Oct. 7.

Jones, Franklin D., Llanerch, assignor to American Chemical Paint Company, Ambler, Pa. Regulating the growth of plants. 2,258,292; Oct. 7.

Jones, Walter F. (See Brock, W. L., and Jones.)

Jones, Warren G., Jr., River Forest, Ill. Gear speed reducer and the like. 2,257,747; Oct. 7.

Junkers & Co., G. m. b. H. (See Wünsch, G., and Schuppert, assignors.)

Jurgens, Emil G., Chicago, and H. K. Becker, Winnetka, assignors to Peters Machinery Co., Chicago, Ill. Box lining forming and inserting machine. 2,258,013; Oct. 7.

Kahl, Leopold, assignor to the firm Ruetgerswerke-Aktiengesellschaft, Berlin, Germany. Producing aluminum fluoride. 2,258,412; Oct. 7.

Kaletay, Joseph F., Reaville, N. J. Combined camera and light control apparatus. 2,258,140; Oct. 7.

Kallusch, Kamillo, assignor to Optikotechna společnost sr. o., Přerov, Prerov, Czechoslovakia. Illuminating device for enlarging or projecting apparatus. 2,258,014; Oct. 7.

Kannenstine, Fabian M. (See Rosaire, E. E., and Kannenstine.)

Kassel, Louis S. (See Benedict, W. L., and Kassel.)

Kastner, Edward C. (See Bostwick, H. C., and Kastner.)

Katakura Seishi Boseki Kabushiki Kaisha. (See Minorikawa, Saburo, assignor.)

Keelavite Company, The. (See Booth, Melville B., assignor.)

Keenoy, Francis P., Kansas City, Mo., assignor to H. T. Nolan, Denver, Colo. Ice-inhibiting composition. 2,258,184; Oct. 7.

Keith, Percival C., Jr., Peapack, L. R. Hill, Radburn, and G. J. Robertson, Westfield, N. J., assignors to The M. W. Kellogg Company, New York, N. Y. Separating hydrocarbon fluids. 2,258,015; Oct. 7.

Keith, Percival C., Jr., Peapack, and L. R. Hill, Radburn, assignors to The Polymerization Process Corporation, Jersey City, N. J. Treating hydrocarbon fluids. 2,258,016; Oct. 7.

Keller, Curt, assignor to Escher Wyss Maschinenfabriken Aktiengesellschaft, Zurich, Switzerland. Variable-pitch propeller. 2,258,094; Oct. 7.

Kelley, Albert. (See Paulson, W. C., and Kelley.)

Kellogg, M. W., Company, The. (See Keith, P. C., Jr., Hill, and Robertson, assignors.)

Kelsey-Hayes Wheel Company. (See Main, Frank L., assignor.)

Kemper, Merle E., Kansas City, Mo. Bolt and wedge assembly. 2,257,962; Oct. 7.

Kennedy, John A. (See Neal, C. M., and Kennedy.)

Kennedy, Luke F., Schenectady, N. Y., assignor to General Electric Company. Protection of electric systems. 2,258,250; Oct. 7.

Kennedy, Luke F., Schenectady, N. Y., assignor to General Electric Company. Protection of alternating current electric systems. 2,258,251; Oct. 7.

Kent, Robert J., Jamaica, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Rod withdrawing tool. 2,257,963; Oct. 7.

Kerchner, C. E. Lewis, assignor of sixty per cent to J. Rupprecht, York, Pa. Cable sheath protector. 2,258,508; Oct. 7.

Kershaw, Cornelius W., and W. A. McMillan, Newport, R. I. Aquatic toy. 2,258,095; Oct. 7.

Kessler, Lee H., Springville, N. Y. Stone crusher. 2,258,059; Oct. 7.

Keuffel, Carl W., Weehawken, assignor to Keuffel & Esser Company, Hoboken, N. J. Drafting machine. 2,258,293; Oct. 7.

Keuffel & Esser Company. (See Keuffel, Carl W., assignor.)

Key, Gabriel J., Ararat, N. C. Sheet metal roofing. 2,258,509; Oct. 7.

Khalil, Seyed, assignor to Remington Rand, Inc., New York, N. Y. Typewriter. 2,258,116; Oct. 7.

Kielland, Jacob. (See Fleischer, W., and Kielland.)

Kimball, A., Company. (See Van Norden, Ericeson B., assignor.)

Kimball, James L., Danvers, assignor to Ruggles-Klingemann Mfg. Co., Salem, Mass. Thermostat. 2,258,457; Oct. 7.

Kimball, Vernon R. (See Wheeler, E. R., Dirkes, and Kimball.)

King, Charles W., assignor to MacGregor & King, Limited, London, England. Hatch cover. 2,257,776; Oct. 7.

King, Eugene F., Utica, N. Y. Waste connection. 2,258,017; Oct. 7.

King, John P., Pawtucket, R. I., assignor to Smith-King Company. Braider carrier. 2,258,018; Oct. 7.

Kingman, Russell B., Orange, N. J. Dispensing container. 2,258,115; Oct. 7.

Kinne, Edmund P., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Draft arrangement. 2,257,909; Oct. 7.

Kirk, Roy C., assignor to The Dow Chemical Company, Midland, Mich. Condensing magnesium vapors. 2,257,910; Oct. 7.

Klatzow, Leonard. (See Lubszynski, H. G., and Klatzow.)

Klavik, Milos, Prague-Smichov, Czechoslovakia. Arrangement for fans for air cooled rear engines. 2,257,964; Oct. 7.

Kleinert, I. B., Rubber Company. (See Cohen, Harry, assignor.)

Klise, Charles A., St. Louis, Mo. Device for inserting liners in typecasting molds. 2,258,060; Oct. 7.

Klubock, Max B. (See Rodman, J., and Raine, assignors.)

Klumb, Clarence, Milwaukee, Wis. Cutting implement. 2,258,387; Oct. 7.

Koch, George T., assignor to The Murray Corporation of America, Detroit, Mich. Trimming mechanism. 2,257,965; Oct. 7.

Koch, William F., Detroit, Mich. Production of unsaturated compounds from a hexose. 2,257,748; Oct. 7.

Koehring Company. (See Vaughn, George A., assignor.)

Kohl, Everard F., Cleveland, Ohio. Clutch. 2,258,157; Oct. 7.

Koley, Joseph P., Omaha, Nebr. Censer. 2,258,363; Oct. 7.

Kölling, Johann, Duisburg, Germany, assignor to The Babcock & Wilcox Company, New York, N. Y. Regulating the temperature of superheated steam. 2,257,805; Oct. 7.

Kolorama Laboratories, Inc. (See Clothier, Stewart L., assignor.)

Kost, Harold W., assignor, by mesne assignments, to Detroit Harvester Company, Detroit, Mich. Sheet metal nut. 2,258,555; Oct. 7.

Koven, Marc, New York, N. Y. Gem setting. 2,258,413; Oct. 7.

Kraft, Herman T., assignor to The General Tire & Rubber Company, Akron, Ohio. Sponge and treating. 2,257,911; Oct. 7.

Kraft, Herman T., assignor to The General Tire & Rubber Company, Akron, Ohio. Drum type clutch. 2,257,912; Oct. 7.

Kramer, Andrew A., Kansas City, Mo. Coated metallic sheet. 2,258,327; Oct. 7.

Kramer, Harold, Ladue, and A. N. Milster, Ferguson, assignors to Wagner Electric Corporation, St. Louis, Mo. Filler cap vent valve. 2,258,019; Oct. 7.

Krapp, Walter C., assignor to Shuron Optical Company, Inc., Rochester, N. Y. Guard support for ophthalmic mountings. 2,257,966; Oct. 7.

Krenzke, William F., assignor to Jacobsen Manufacturing Company, Racine, Wis. Roller and sod conditioner. 2,258,061; Oct. 7.

Kropa, Edward L. (See Hill, W. H., and Kropa.)

Kuncis, Peter, Lafayette, Colo. Automatic hoist guide lubricator. 2,257,803; Oct. 7.

Kvalnes, Donovan E. (See Daudt, H. W., and Kvalnes.)

Kvalnes, Hamline M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Denaturant. 2,258,414; Oct. 7.

L. G. S. Spring Clutches, Incorporated. (See Starkey, William C., assignor.)

L. S. D. Inc. (See Yochem, Donald E., assignor.)

Ladwig, Margarete, née Wolf, heir et al. (See Wolf, Georg.)

Laessker, Fritz, assignor to Zahnradfabrik Friedrichshafen Aktiengesellschaft, Friedrichshafen-on-the-Bodensee, Germany. Method and machine for grinding toothed spur wheels. 2,258,510; Oct. 7.

Lago, Francis, New York, N. Y. Refrigerating apparatus. 2,258,415; Oct. 7.

Lamb, Edward, San Francisco, Calif., and S. H. Ash, Trucksville, Pa. Rock duster and method. 2,258,117; Oct. 7.
La Mont, Walter D., North Colebrook, Conn., assignor to W. D. La Mont Inc., Wilmington, Del. High speed steam power plant and method of operating said power plant. 2,257,749; Oct. 7.
La Mont, W. D., Inc. (See La Mont, Walter D., assignor.)
La Nationale S. A. (See Bolle, Leon, assignor.)
Lang, Henry T., assignor to Electric Vacuum Cleaner Company, Inc., Cleveland, Ohio. Handle for vacuum cleaners and the like. 2,258,252; Oct. 7.
Lange, Harold T., Webster Groves, assignor to Spoehrer-Lange Company, St. Louis, Mo. Control of refrigerating fluids. 2,258,458; Oct. 7.
Lange, Willy. (See Mertens, A., Lange, and Mannes.)
Larkin, Edith M., Lewiston, Idaho. Hip rest. 2,257,848; Oct. 7.
Larson, August A., assignor to Chas. O. Larson Co., Sterling, Ill. Spring sash hanger. 2,258,062; Oct. 7.
Larson, Chas. O., Co. (See Larson, August A., assignor.)
Laubenstein, George, Madison, assignor to The J. E. Mergott Company, Newark, N. J. Handbag frame. 2,258,498; Oct. 7.
Laurent, Milton P., Houston, Tex. Tube holding device. 2,258,020; Oct. 7.
Leary, Marshall L., Columbus, Ga. Wall construction. 2,258,574; Oct. 7.
Lee, Arthur L., Oakmont, Pa., and J. H. Fletcher, Wilmette, Ill., assignors, by mesne assignments, to Lee Norse Company. Driving wheel. 2,258,328; Oct. 7.
Lee-Norse Company. (See Lee, A. L., and Fletcher, assignors.)
Lee, Robert E. (See Humphrey, W. M., and Lee.)
Le Fevre, Arden W., and T. F. Spackman, assignors to Stewart-Warner Corporation, Chicago, Ill. Automobile heater. 2,257,967; Oct. 7.
Lehti, David W. (See Baker, W., Lehti, and Crow.)
Leiby, Martin F., Quakerstown, assignor of one-half to C. R. Engler, Coopersburg, Pa. Burner head. 2,258,388; Oct. 7.
Leopold, Hugo, and C. V. Copeland, Davenport, assignors to Micro-Westco, Inc., Bettendorf, Iowa. Rotary pump. 2,258,416; Oct. 7.
Lepage, Germain, Fall River, Mass. Loom shuttle. 2,257,968; Oct. 7.
Leprestre, Margaret C., executor, et al. (See Leprestre, Rene.)
Leprestre, Rene, New York, N. Y.; M. C. Leprestre, H. D. Hadden, R. C. Tobin, and J. Dannenberg, executors of the estate of said R. Leprestre, deceased, assignors to Applied Chemicals, Inc. Producing hydrogenated liquid hydrocarbon products. 2,258,511; Oct. 7.
Le Tourneau, R. G., Inc. (See Le Tourneau, Robert G., assignor.)
Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc. Tractor and semitrailer unit. 2,258,396; Oct. 7.
Levoy, Louis G., Ballston Lake, N. Y., assignor to General Electric Company. Timing apparatus. 2,258,253; Oct. 7.
Lewis-Shepard Company. (See Hastings, Russell, Jr., assignor.)
Liddon, William M. (See Randol, Glenn T., assignor.)
Linch, Adrian L. (See Tinker, J. M., Weinmayr, and Linch.)
Lincoln, Bert H., and G. D. Byrkit, assignors to Continental Oil Company, Ponca City, Okla. Lubricating oil. 2,257,750; Oct. 7.
Lincoln, Bert H., and G. D. Byrkit, assignors to Continental Oil Company, Ponca City, Okla. Lubricating oil. 2,257,751; Oct. 7.
Lincoln, Bert H., and G. D. Byrkit, assignors to Continental Oil Company, Ponca City, Okla. Lubricating oil. 2,257,752; Oct. 7.
Linde Air Products Company, The. (See Zenner, G. H., and Hansen, assignors.)
Link-Belt Speeder Corporation. (See Baker, W., Lehti, and Crow, assignors.)
Little, Elizabeth S., Milton, Fla. Shirt collar clip. 2,258,389; Oct. 7.
Livingston, John W. (See Bone, H. L., and Livingston.)
Loane, Clarence M., and B. H. Shoemaker, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Lubricant. 2,257,969; Oct. 7.
Locke, James S., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Air conditioning system. 2,258,021; Oct. 7.
Lombard, Walter E. (See Johnson, Chester W., assignor.)
Long, George M., Canton, Miss. Tray for watermelons. 2,257,970; Oct. 7.
Lord, Hugh C., assignor to Lord Manufacturing Company, Erie, Pa. Joint. 2,257,804; Oct. 7.
Lord Manufacturing Company. (See Lord, Hugh C., assignor.)
Lorenz, C., Aktiengesellschaft. (See Eggers, Hans, assignor.)
Lorer, Joseph M., San Francisco, Calif. Aerial spinning toy. 2,257,971; Oct. 7.
Louthan, George R. (See Hyland, W. A., and Louthan.)
Lowry, Erwin F., Swampscott, assignor to Hygrade Sylvania Corporation, Salem, Mass. Electric discharge lamp cathode. 2,258,158; Oct. 7.
Lubszynski, Hans G., Hillingdon, and L. Klatzow, London, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England. Photoelectric device. 2,258,294; Oct. 7.
Lund, Fred M. and J. H., Chicago, Ill. Securing device for connecting flexible members together. 2,258,417; Oct. 7.
Lund, John H. (See Lund, Fred M. and J. H.)
Lundstrom, Alexis A., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,257,882; Oct. 7.
Lyon, Norman W., assignor to Package Machinery Company, Springfield, Mass. Bottle hooding machine. 2,258,185; Oct. 7.
MacDougall, Bon G., A. F. Chouinard, and F. G. Nicolaus, assignors to R. T. Moloney, Chicago, Ill. Ball rolling game. 2,258,329; Oct. 7.
Macey, William C., Winnetka, assignor to Sears, Roebuck and Co., Chicago, Ill. Sample display book. 2,258,418; Oct. 7.
MacGregor & King Limited. (See King, Charles W., assignor.)
Machlett Laboratories Incorporated. (See Magnusson, Bror K. M., assignor.)
MacKay, John R., West Caldwell, assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Lamp changing apparatus. 2,258,575; Oct. 7.
MacKenzie, Wallace B., assignor to Phelps Dodge Copper Products Corporation, New York, N. Y. Electrical insulation. 2,258,255; Oct. 7.
MacKenzie, Wallace B., assignor to Phelps Dodge Copper Products Corporation, New York, N. Y. Electrical insulating material. 2,258,256; Oct. 7.
Madsen, Tage, Goteborg, Sweden. Circumferentially tightening packing ring. 2,258,576; Oct. 7.
Magnaflux Corporation. (See Betz, Carl E., assignor.)
Magnusson, Bror K. M., assignor to Machlett Laboratories Incorporated, Springdale, Conn. X-ray tube and making. 2,258,141; Oct. 7.
Magrini, Pete, Belle Vernon, assignor to American Window Glass Company, Pittsburgh, Pa. Manufacture of sheet glass. 2,258,118; Oct. 7.
Main, Frank L., Birmingham, assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Master cylinder. 2,258,257; Oct. 7.
Maluri, Guido, London, England, assignor to Servel, Inc., New York, N. Y. Refrigerator cabinet. 2,257,973; Oct. 7.
Mallory, P. R., & Co. (See Hensel, F. R., Emmert, and Wiggs, assignors.)
Mannes, Leopold D., New York, N. Y., L. Godowsky, Jr., Westport, Conn., and L. S. Wilder, assignors to Eastmann Kodak Company, Rochester, N. Y. Integral mask for multicolor film. 2,258,187; Oct. 7.
Mannes, Ludwig. (See Mertens, A., Lange, and Mannes.)
Maranville, Harvey F., assignor to The General Tire & Rubber Company, Akron, Ohio. Suspension system and method. 2,257,913; Oct. 7.
Marathon Paper Mills Company. (See Abrams, A., Forcey, Brabender, and Graebner, assignors.)
Marbach, Frank G., assignor to Morrison Products, Inc., Cleveland, Ohio. Hub and wheel structure for fans or blowers. 2,258,459; Oct. 7.
Mark, Clayton, Jr. (See Windsor, J. F., and Mark.)
Marsden, George P., Riverside, and E. A. Verrinder, Redlands, assignors to Food Machinery Corporation, San Jose, Calif. Quick change fruit sizer. 2,258,460; Oct. 7.
Marsden, George P., and F. Stebler, Riverside, assignors to Food Machinery Corporation, San Jose, Calif. Unstacking elevator. 2,258,461; Oct. 7.
Marshall, Okey. (See Richards, Charles E., assignor.)
Martellotti, Mario E., assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Machine tool temperature control. 2,257,849; Oct. 7.
Martin, Austin O. (See Cornell, Fay D., assignor.)
Martin, Edward, Oconomowoc, Wis. Seed potato cutter. 2,258,096; Oct. 7.
Martin, Erle, West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Electric synchronizer. 2,258,462; Oct. 7.
Martin, E. W., et al. (See Hinds, Fred, assignor.)
Martin, George D. (See Gonderman, Harold D., assignor.)
Martin, Joseph, Laurelton, assignor to United States Cabinet Bed Co., Brooklyn, N. Y. Couch. 2,257,753; Oct. 7.
Martin, Joseph, Laurelton, assignor to United States Cabinet Bed Co., Brooklyn, N. Y. Couch. 2,257,754; Oct. 7.
Martin, Walter D., Albany, Ga. Larvacide and preparing same. 2,258,390; Oct. 7.
Martinek, Stanley A., Amarillo, assignor to J. H. Gruver, Gruver, Tex. Pulley rim drive for sprocket wheels. 2,258,513; Oct. 7.
Mathé, Juan G., and G. W. Hipsley, San Salvador, El Salvador. Adjustable seat structure for motor vehicles and the like. 2,258,119; Oct. 7.

Matheson, Lorne A., R. F. Boyer, and S. C. Stowe, assignors to The Dow Chemical Company, Midland, Mich. Vinylidene chloride composition stable to light and heat. 2,258,188; Oct. 7.
Mathisen, Anders. (See Salmond, H. M., and Mathisen.)
Matthews, Thomas J., Oklahoma City, Okla. Machine for making small arm ammunition. 2,258,577; Oct. 7.
Maul, Michael, Berlin-Johannisthal, assignor to Deutsche Hollerith Maschinen Gesellschaft m. b. H., Berlin-Lichterfelde, Germany. Sorting machine for records. 2,258,120; Oct. 7.
Mauro, John J., Brooklyn, N. Y. Automatic station tuning apparatus. 2,258,024; Oct. 7.
Maxwell, John A., Kansas City, Kans. Convertible trunk table. 2,258,364; Oct. 7.
Maxwell, Joseph R., assignor to Stephen F. Whitman & Son, Inc., Philadelphia, Pa. Chocolate serving urn. 2,258,210; Oct. 7.
McArthur, Elmer D., Schenectady, N. Y., assignor to General Electric Company. Electrical discharge device. 2,258,254; Oct. 7.
McAvity, T., & Sons Ltd. (See Blanchard, F. W., and Stirling, assignors.)
McCabe, John J., Cleveland, and W. G. Brittain, Parma, assignors to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Ironing machine structure. 2,258,499; Oct. 7.
McCarthy, Daniel J., assignor to McGraw Electrical Company, Elgin, Ill. Automatic electric toaster. 2,257,883; Oct. 7.
McCollum, Henry J. De N., Evanston, Ill. Thermostatic valve. 2,257,972; Oct. 7.
McCormick, Thomas F., Oakland, assignor to Tide Water Associated Oil Company, San Francisco, Calif. Desulphurizing petroleum oils. 2,258,512; Oct. 7.
McGill Manufacturing Company. (See Popp, Rudolf, assignor.)
McGill Manufacturing Company. (See Storz, Otto, assignor.)
McGrath, William L. (See Miller, L. B., and McGrath.)
McGraw Electric Company. (See McCarthy, Daniel J., assignor.)
McGraw Electric Company. (See Osterheld, Clark M., assignor.)
McKee, Fred W., Long Beach, Calif. Edge set jack clamp. 2,258,022; Oct. 7.
McKee, Harry H. (See Bratek, F. B., and McKee.)
McKernon, John W., New Canaan, Conn., assignor to Oxweld Acetylene Company. Flowmeter. 2,258,023; Oct. 7.
McMillan, William A. (See Kershaw, C. W., and McMillan.)
McNary, James C., and J. A. Chambers, Montgomery County, Md., assignors to Electronic Development Corporation. Satellite station antenna system. 2,258,186; Oct. 7.
Meisner, Erich, Berlin-Schlachtensee, assignor to A. Ransmayer and A. Rodrian, Berlin, Germany. Joining type blocks to type levers or type bars. 2,258,189; Oct. 7.
Menaquale, Guido, Camden, N. J. Boring bar. 2,258,097; Oct. 7.
Menard, Joseph A. (See Mossback, W., and Menard.)
Menoher, Harrison D., Jeannette, assignor to American Window Glass Company, Pittsburgh, Pa. Manufacture of sheet glass. 2,258,121; Oct. 7.
Mergenthaler Linotype Company. (See Hilpman, Paul, assignor.)
Mergott, J. E., Company, The. (See Laubenstein, George, assignor.)
Merkel, Joseph F., assignor to General Railway Signal Company, Rochester, N. Y. Relay. 2,258,122; Oct. 7.
Merkel, Joseph F., assignor to General Railway Signal Company, Rochester, N. Y. Relay. 2,258,123; Oct. 7.
Merley, Sylvan R., Riverton, N. J., assignor to Cities Service Oil Company, New York, N. Y. Purification of acid treated oils. 2,257,914; Oct. 7.
Martens, Andreas, Dusseldorf-Benrath, and W. Lange, and L. Mannes, Dusseldorf, Germany, assignors, by mesne assignments, to The Procter & Gamble Company, Cincinnati, Ohio. Treatment of oxidized hydrocarbons to separate the acidic content. 2,258,500; Oct. 7.
Merz, Catherine A. L., assignor to Flow Controls, Inc., Chicago, Ill. Expansion valve. 2,258,295; Oct. 7.
Messer, William E., Cheshire, Conn., assignor to United States Rubber Company, New York, N. Y. Triazyl sulphur halide. 2,257,974; Oct. 7.
Metallizing Engineering Company. (See Ingham, H. S., and Shepard, assignors.)
Meyer, Fred C. (See Bennett, C. E., and Meyer.)
Meyer, George J., Milwaukee, Wis. Water filter. 2,258,063; Oct. 7.
Michlsen, William O., Woodhaven, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 2,258,211; Oct. 7.
Michlsen, William O., Woodhaven, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 2,258,212; Oct. 7.
Michlsen, William O., Woodhaven, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 2,258,213; Oct. 7.
Micro-Westco, Inc. (See Leopold, H., and Copeland, assignors.)
Mikeska, Peter L., assignor to Edison General Electric Appliance Company, Inc., Chicago, Ill. Control device. 2,258,258; Oct. 7.
Miller, Alfred B. (See Snavely, C. S., Miller, and Tunell.)
Miller, Edward W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Generative gear grinding machine. 2,257,850; Oct. 7.
Miller, Ellis, Brussels, Belgium. Manufacture of golf balls and the like. 2,258,331; Oct. 7.
Miller, Ellis, Brussels, Belgium. Manufacture of golf balls and the like. 2,258,332; Oct. 7.
Miller, Ellis, Brussels, Belgium. Manufacture of golf balls and the like. 2,258,333; Oct. 7.
Miller, Fred A., Oregon City, Oreg. Tire deflation indicating means. 2,258,334; Oct. 7.
Miller, Jacob M., Chicago, Ill. Ink pad. 2,258,501; Oct. 7.
Miller, Kay, assignor to The Atwood Vacuum Machine Company, Rockford, Ill. Clutch. 2,258,296; Oct. 7.
Miller, Leo B., Hartsdale, N. Y., and W. L. McGrath, St. Paul, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Air conditioning system. 2,257,975; Oct. 7.
Miller, Pharis, Des Moines, Iowa, and G. H. Cloud, Elizabeth, N. J., assignor to Standard Oil Development Company. Organo-metallic Diesel fuel ignition promotors. 2,258,297; Oct. 7.
Miller, Reginald R., assignor to W. F. Fisher, Philadelphia, Pa. Paper replenishing mechanism for rotary printing presses. 2,258,298; Oct. 7.
Miller, Robert P., San Gabriel, Calif. Automatic pumping. 2,258,299; Oct. 7.
Miller, Samuel E., Aurora, Ill. Finger printing device. 2,258,330; Oct. 7.
Mills, Hugo R., Hibbing, Minn. Connector. 2,258,365; Oct. 7.
Mills, William J. (See Abrams, N. B., and Mills.)
Milster, Arthur N. (See Kramer, H., and Milster.)
Minneapolis-Honeywell Regulator Company. (See Crum, Stephen, assignor.)
Minneapolis-Honeywell Regulator Company. (See Locke, James S., assignor.)
Minneapolis-Honeywell Regulator Company. (See Miller, L. B., and McGrath, assignors.)
Minneapolis-Honeywell Regulator Company. (See Newton, Alwin B., assignor.)
Minneapolis-Honeywell Regulator Company. (See Polythress, John D., assignor.)
Minneapolis-Honeywell Regulator Company. (See Shivers, Paul F., assignor.)
Minorikawa, Saburo, Koishikawaku, Tokyo, assignor of one-half to Katakura Seishi Boseki Kabushiki Kaisha, Kyobashi, Kyobashiku, Tokyo, Japan. Multispool reeling machine. 2,257,851; Oct. 7.
Mitchell, Doren, Bound Brook, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Echo suppressing circuit. 2,257,806; Oct. 7.
Mitchum, Leon C. (See Hill, George and A. G., and Baker, Mitchum, and Harper.)
Mize, Paul D., Chicago, Ill. Angular displacement engine or compressor. 2,257,884; Oct. 7.
Moauro, Alessandro. (See Ferriguto, I., and Moauro.)
Modine Manufacturing Company. (See Hess, T., and Jepertinger, assignors.)
Molinelli, Charles M., Rockaway Beach, N. Y. Combination tool. 2,258,514; Oct. 7.
Moloney, Raymond T. (See MacDougall, B. G., Chouinard, and Nicolaus, assignors.)
Moncrieff, Veon I., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Desludging device. 2,258,463; Oct. 7.
Monitor Controller Company. (See Frese, Joseph F., assignor.)
Monsanto Chemical Company. (See Dahle, Joseph, assignor.)
Moody, Lewis F., Princeton, N. J. Hydraulic oscillator. 2,258,464; Oct. 7.
Moore, Robert E., Park Ridge, Ill. Relief valve. 2,258,335; Oct. 7.
Moore, Robert E., Park Ridge, Ill. Heating system. 2,258,336; Oct. 7.
Moorman, Charles L., Blue Island, Ill. Variable pitch propeller. 2,257,976; Oct. 7.
Morici, Salvatore, and P. P. Belvedere, Chicago, Ill. Heater for internal combustion engine cooling water. 2,257,755; Oct. 7.
Morici, Salvatore, P. Belvedere, and E. Blom, Chicago, Ill. Heater. 2,257,756; Oct. 7.
Morris, Harold B., Cuyahoga Falls, and J. N. Street, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Molding apparatus. 2,258,025; Oct. 7.
Morris, Harold B., Somerset, Mass., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Producing abrasive articles. 2,258,026; Oct. 7.
Morris Packaging Equipment Company. (See Heft, K. G., Rapp, and Dority, assignors.)
Morrison Products, Inc. (See Marbach, Frank G., assignor.)
Morse, Charles R., Topeka, Kans. Sprayer. 2,257,807; Oct. 7.
Morsk Hydro-Elektrisk Kvaelstofaktieselskab. (See Fleischer, W., and Kielland, assignors.)

Morway, Arnold J., Roselle, and J. C. Zimmer, Hillside, N. J., assignor to Standard Oil Development Company. Solid lubricant. 2,258,300; Oct. 7.

Morway, Arnold J., Roselle, and A. Beerbower, Elizabeth, N. J., assignors to Standard Oil Development Company. Lubricant for the lubrication of ball bearings and similar antifriction bearings. 2,258,301; Oct. 7.

Moseley, Francis L., Yonkers, assignor to Sperry Gyroscope Company, Brooklyn, N. Y. Radio compass navigation apparatus. 2,257,757; Oct. 7.

Mossback, William, and J. A. Menard, assignors to Timesaver Products Company, Seattle, Wash. Tire groover 2,258,027; Oct. 7.

Mossberg Pressed Steel Corporation. (See Olson, Robert V., assignor.)

Mowat, John F., La Grange, Ill. Controlling combustion conditions in gas fired furnaces. 2,258,515; Oct. 7.

Mueller, Emil G., assignor to The American Brake Company, Swissvale, Pa. Brake rigging. 2,258,337; Oct. 7.

Mueller, Ervin H., Grosse Pointe Park, Mich. Gas cock. 2,257,886; Oct. 7.

Mullaney, Richard L., West Hartford, assignor to The Whitney Chain & Mfg. Company, Hartford, Conn. Slack take-up device. 2,258,465; Oct. 7.

Murch, John H., East Orange, N. J., assignor to American Can Company, New York, N. Y. Chain tightener device. 2,257,758; Oct. 7.

Murphy Diesel Company. (See Holloway, J. H., and Murphy, assignors.)

Murphy, Moyes J. (See Holloway, J. H., and Murphy.)

Murray Corporation of America, The. (See Haberstump, Alfred H., assignor.)

Murray Corporation of America, The. (See Koch, George T., assignor.)

Myers, Thomas G., assignor to U. S. Electrical Motors, Inc., Los Angeles, Calif. Sealed electric motor. 2,258,064; Oct. 7.

Na-Mac Products Corp. (See De Kay, Robert E., assignor.)

Nardone, Romeo M., East Orange, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Engine starter gearing. 2,258,159; Oct. 7.

Nardone, Romeo M., East Orange, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Internal combustion engine. 2,258,160; Oct. 7.

Nardone, Romeo M., East Orange, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Fluid pressure generation. 2,258,161; Oct. 7.

Nashua Gummed and Coated Paper Company. (See Wilson, Edward W., assignor.)

National Automotive Fibres, Inc. (See Davies, Clarence J., assignor.)

National Carbon Company. (See Janes, M., and Heise, assignors.)

National Cash Register Company, The. (See Robertson, William H., assignor.)

National Standard Company. (See Pierce, Robert C., assignor.)

National Supply Company, The. (See Neilon, Claude R., assignor.)

Naylor, Walter E., assignor to Champion Foundry & Machine Company, Chicago, Ill. Core box clamp for core making machines. 2,258,466; Oct. 7.

Neal, Charles M., Biddeford, and J. A. Kennedy, Saco, assignors to Saco-Lowell Shops, Biddeford, Maine. Spinning machine spindle and operating same. 2,258,028; Oct. 7.

Neary, John F., Jr., as trustee. (See Clark, Virginius E., assignor.)

Neilon, Claude R., Houston, Tex., assignor to The National Supply Company, Pittsburgh, Pa. Unitary packing and gland structure. 2,258,190; Oct. 7.

Nelles, Johannes. (See Schwarz, H., and Nelles.)

Nelson, Arthur W. (See Smith, C. J., and Nelson.)

Neltner, Raymond C., Newport, Ky. Camera. 2,258,098; Oct. 7.

Nevelling, Aloys, Chicago, Ill., and G. F. Driemeyer, St. Louis, Mo.; said Driemeyer assignor to General Steel Castings Corporation, Granite City, Ill. Dump scow door. 2,257,885; Oct. 7.

Newton, Alwin B., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Air conditioning system. 2,257,915; Oct. 7.

Newton, Alwin B., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Refrigeration control system with relative humidity control. 2,258,029; Oct. 7.

Nichols, Harry J., Binghamton, N. Y. Communication system. 2,258,124; Oct. 7.

Nicholson, Natalie P., executrix. (See Auger, H., and Pearson.)

Nicol, John, assignor to Divco-Twin Truck Company, Detroit, Mich. Combination transmission and throttle control. 2,257,852; Oct. 7.

Nicolaus, Frank G. (See MacDougall, B. G., Chouinard, and Nicolaus.)

Niemann, Frederick A., assignor to Felt & Tarrant Mfg. Co., Chicago, Ill. Clutch mechanism. 2,257,759; Oct. 7.

Nixon, Alan C. (See Caselli, A. V., and Nixon.)

Nolan, Henry T. (See Keenoy, Francis P., assignor.)

Nordberg Manufacturing Company. (See Symons, Edgar B., assignor.)

Northey, Elmore H., Bound Brook, and M. E. Hultquist, North Plainfield, N. J., assignors, by mesne assignments, to American Cyanamid Company, New York, N. Y. Polysulphanilamidoaromatic, polysulphanilamidoaliphatic and related compounds and making them. 2,258,162; Oct. 7.

Norton Company. (See Flygare, Carl G., assignor.)

Norton Company. (See Indge, Herbert S., assignor.)

Novitsky, Joseph, New York, N. Y. Plating rack. 2,258,391; Oct. 7.

Nyberg, Stone, Dover, Ohio, assignor to A. J. Reeves Greer, Morgantown, W. Va. Formation of metal coils. 2,257,760; Oct. 7.

Ogden, Harold S., Erie, Pa., assignor to General Electric Company. Control system. 2,258,259; Oct. 7.

Oil Equipment Engineering Corporation. (See Scaramucci, Domer, assignor.)

Oil Well Supply Company. (See Shimer, John M., assignor.)

Okonite-Callender Cable Company, The. (See Bennett, C. E., and Meyer, assignors.)

Olds, William E., Chicago, Ill. Locking device for adjustable railroad braces. 2,257,853; Oct. 7.

Olson, Robert V., Attleboro, Mass., assignor to Mossberg Pressed Steel Corporation. Spool or reel. 2,258,580; Oct. 7.

Optikotechna, spoločnost sr. o., Pferov. (See Kallusch, Kamillo, assignor.)

Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Off-peak water heating system. 2,257,887; Oct. 7.

Otis Elevator Company. (See Pinto, Anthony, assignor.)

Otto, Carl A., assignor to Johnson Service Company, Milwaukee, Wis. Regulating system. 2,258,366; Oct. 7.

Owens-Corning Fiberglas Corporation. (See Slayter, G., and Thomas, assignors.)

Owens, Vincent P., Plainfield, N. J., assignor to Combustion Engineering Company, Inc., New York, N. Y. Method and apparatus for the recovery of heat and chemicals from black liquor. 2,258,467; Oct. 7.

Oxley, John H., Watertown, Mass., assignor to The American Crayon Company, Sandusky, Ohio. Ink container. 2,258,030; Oct. 7.

Oxweld Acetylene Company. (See Jones, Everett P., assignor.)

Oxweld Acetylene Company. (See McKernon, John W., assignor.)

Oyen, Erling, assignor to The Youngstown Sheet and Tube Company, Youngstown, Ohio. Pipe joint. 2,258,066; Oct. 7.

Ozark Chemical Company. (See Abbott, Frederick C., assignor.)

Pacific Electric Manufacturing Corporation. (See Schwager, August C., assignor.)

Packard Motor Car Company. (See Best, Frank C., assignor.)

Packard Motor Car Company. (See Paton, Clyde R., assignor.)

Padelford, Chester O., Glen Ridge, N. J. Immobilizing composition for fractures of the human body. 2,258,142; Oct. 7.

Padelford, Chester O., Glen Ridge, N. J. Immobilizing product for fractures of the human body. 2,258,143; Oct. 7.

Pancake, Herman H., Huntington, W. Va., assignor to American Car and Foundry Company, New York, N. Y. Elastically connected mine car bumper. 2,258,214; Oct. 7.

Park, Robert N., Los Angeles, Calif. Continual dispensation of liquid at a controlled rate. 2,258,338; Oct. 7.

Parr, Bernard F., and J. R. Heilman, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Cooking appliance. 2,258,144; Oct. 7.

Parsons, Carl B., Detroit, Mich. Kitchen cabinet. 2,257,888; Oct. 7.

Patex Société Anonyme. (See Wurzburger, Paul, assignor.)

Paton, Clyde R., Birmingham, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,258,067; Oct. 7.

Patrick, Walter A., Jr., assignor to Davison Chemical Corporation, Baltimore, Md. Preparing a gel. 2,258,099; Oct. 7.

Pattison, Wayne. (See Peters, W. J., Pattison, and Robinette.)

Paulsen, Thomas R., assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Wheeled scraper. 2,257,761; Oct. 7.

Paulson, Warren C., and A. Kelley, International Falls, Minn. Washer and drier. 2,258,215; Oct. 7.

Paves, Nathan L., Detroit, Mich. Panel and joist. 2,257,762; Oct. 7.

Payne, Oscar V., Leicester, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Needle motion for looms. 2,258,191; Oct. 7.

Payne, Oscar V., Leicester, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Needle operating mechanism for Axminster looms. 2,258,192; Oct. 7.

Payne, Oscar V., Leicester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Axminster needle motion and thread control therefor. 2,258,193; Oct. 7.

Payne, Walter B., assignor to The Todd Company, Inc., Rochester, N. Y. Sheet feeding mechanism. 2,257,843; Oct. 7.

Payne, William H., La Grange, Ill. Automatic electric arc furnace electrode control. 2,258,468; Oct. 7.

Pearson, Ward E. (See Auger, H., and Pearson.)

Pen-Chlor, Incorporated. (See Dietz, K., Greune, and Privinsky, assignors.)

Pennsylvania Railroad Company, The. (See Decker, Harry L., assignor.)

Pennsylvania Salt Manufacturing Company. (See Davies, Richard L., assignor.)

Percival, William S., Ealing, London, C. O. Browne, West Acton, London, L. R. J. Johnson, Chiswick, London, and F. Blythen, Hayes, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England. Television transmitting system. 2,258,557; Oct. 7.

Perez, Joseph, Brooklyn, N. Y. Bathing suit. 2,258,502; Oct. 7.

Perfection Stove Company. (See Rosek, M., and Dahlstrom, assignors.)

Peters Machinery Co. (See Jurgens, E. G., and Becker, assignors.)

Peters, William J., W. Pattison, and W. A. Robinette, Detroit, Mich. Broach. 2,258,163; Oct. 7.

Petersen, Victor. (See Ditzel, O. M., and Petersen.)

Peterson, Joseph A., Chicago, Ill. Pressure regulator for fluids. 2,257,854; Oct. 7.

Petterson, Gustav E., Hillside, N. J. Remote metering and position indicator. 2,257,763; Oct. 7.

Phelps Dodge Copper Products Corporation. (See Ditzel, O. M., and Petersen, assignors.)

Phelps Dodge Copper Products Corporation. (See MacKenzie, Wallace B., assignor.)

Phelps, Donald S., Harvard, Mass., assignor to Edgar Plastic Kaolin Company, Metuchen, N. J. Purification of sand. 2,257,808; Oct. 7.

Phillips, Rodney W. (See Stoner, H. B., and Phillips.)

Photoelectric Business Machines, Inc. (See Gould, Merle E., assignor.)

Piatt, Fred H. (See Heyer, F. W., and Piatt.)

Piciulo, Donato, Jackson Heights, N. Y. Rubber heel. 2,258,419; Oct. 7.

Pierce, Robert C., assignor to National Standard Company, Niles, Mich. Reinforced article. 2,258,031; Oct. 7.

Pinto, Anthony, New Rochelle, assignor to Otis Elevator Company, New York, N. Y. Control system for electric motors. 2,257,809; Oct. 7.

Piper, Walter F., Oak Park, assignor to The Beardsley & Piper Company, Chicago, Ill. Mulling apparatus. 2,258,392; Oct. 7.

Piron, Emil H., New York, N. Y., assignor to Transit Research Corporation. Self-lubricating bearing. 2,258,420; Oct. 7.

Place, Bion C., assignor of one-half to G. E. Gagnier, Detroit, Mich. Fastener. 2,257,855; Oct. 7.

Pneumastic C., Inc. (See Stone, Allen L., assignor.)

Pneumatic Scales Corporation. (See Howard, Stanley R., assignor.)

Podolsky, Jacob, Boston, Mass. Silencer for water hammer. 2,258,469; Oct. 7.

Polymerization Process Corporation, The. (See Keith, P. C., Jr., and Hill, assignors.)

Pomeranz, Jacob J., Brooklyn, and V. Tanasso, Harrison, N. Y. Ophthalmic mounting. 2,257,810; Oct. 7.

Pomeranz, Jacob J., Brooklyn, and V. Tanasso, Harrison, N. Y. Ophthalmic mounting. 2,257,811; Oct. 7.

Pomeranz, Jacob J., Brooklyn, N. Y. Ophthalmic mounting. 2,257,812; Oct. 7.

Pontow, Werner, Berlin-Friedenau, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Apparatus for controlling the temperature of exothermic catalytic reactions. 2,258,146; Oct. 7.

Popp, Rudolf, assignor to McGill Manufacturing Company, Valparaiso, Ind. Detachable lamp guard. 2,258,032; Oct. 7.

Poythress, John D., Dallas, Tex., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Air conditioning system. 2,257,916; Oct. 7.

Prebilt Housing Corporation. (See Hasenburger, H., and Corbett, assignors.)

Presley, Escar M., assignor to Callaway Mills, La Grange, Ga. Drawing roll clearer. 2,258,033; Oct. 7.

Pressurelube, Inc. (See Russell, John, assignor.)

Privinsky, Franz. (See Dietz, K., Greune, and Privinsky.)

Procter & Gamble Company, The. (See Mertens, A., Lange, and Mannes, assignors.)

Puckett, Nick T. (See Hofft, M. A., and Puckett.)

Pullman-Standard Car Manufacturing Company. (See Johnson, Clarence H., assignor.)

Pungs, Leo, Brunswick, Germany. Multiple telegraphy and telephony. 2,257,917; Oct. 7.

Pyro-Electro Instrument Co. (See Smith, Clarence E., assignor.)

Queneau, Augustin L. J., Bernardsville, N. J. Duplex electromagnetic separator device. 2,258,194; Oct. 7.

R. C. Can Company. (See Rutkowski, Walter L., assignor.)

Radio Corporation of America. (See Carter, Philip S., assignor.)

Radio Corporation of America. (See Demuth, Galan W., assignor.)

Radio Corporation of America. (See Garner, Lloyd P., assignor.)

Radio Corporation of America. (See Roberts, Walter van B., assignor.)

Radio Corporation of America. (See Sachtleben, Lawrence T., assignor.)

Radio Corporation of America. (See Shenk, Eugene R., assignor.)

Radio Corporation of America. (See Watson, Charles W., assignor.)

Radio Corporation of America. (See Wolff, I., and Sanders, assignors.)

Radio Inventions, Inc. (See Ressler, Hugh C., assignor.)

Radio Patents Corporation. (See Boucke, Heinz, assignor.)

Radio Patents Corporation. (See Rath, Karl, assignor.)

Radio Patents Corporation. (See von Ardenne, Manfred, assignor.)

Radio Patents Corporation. (See Weissenberg, Gustav J., assignor.)

Rady, William J., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Lighting system. 2,257,856; Oct. 7.

Raine, Max. (See Rodman, J., and Raine.)

Ramage, William D., Berkeley, Calif. Removal of metallic impurities from wines and other acid beverages. 2,258,216; Oct. 7.

Ramsay, Henry T. (See Donaldson, D. H., and Ramsay.)

Randol, Glenn T., Jonesboro, Ark., assignor, by mesne assignments, to W. M. Liddon, Nashville, Tenn. Control mechanism for change speed gearing. 2,258,068; Oct. 7.

Ransmayer, Alfred. (See Meisner, Erich, assignor.)

Rapp, Earl J. (See Heft, K. G., Rapp, and Dority.)

Rath, Karl, New York, N. Y., assignor to Radio Patents Corporation. Electronic reactance device. 2,258,470; Oct. 7.

Rau, Harry A. (See Goebel, G., and Rau.)

Raybestos-Manhattan, Inc. (See Bocklus, C., and Cook, assignors.)

Raytheon Manufacturing Company. (See Spencer, Percy L., assignor.)

Recknagel, Alfred. (See Brüche, E., and Recknagel.)

Rector, Enoch. (See Firth, D., and Storer, assignors.)

Reiss Manufacturing Corporation. (See Reiss, R. H., and Billings, assignors.)

Reiss, Raymond H., Deal, N. J., and H. J. Billings, South Acton, Mass., assignors to Reiss Manufacturing Corporation, Jersey City, N. J. Making garments. 2,258,100; Oct. 7.

Remington Rand, Inc. (See Khalil, Seyed, assignor.)

Resek, Marc, Cleveland Heights, and J. A. Dahlstrom, Bay Village, assignors to Perfection Stove Company, Cleveland, Ohio. Liquid fuel stove. 2,257,813; Oct. 7.

Resinous Products & Chemical Company, The. (See Bruson, Herman A., assignor.)

Ressler, Hugh C., Richmond, Staten Island, assignor to Radio Inventions, Inc., New York, N. Y. Facsimile apparatus. 2,257,918; Oct. 7.

Reyrolle, A., Company, Limited. (See Allan, A., and Coates, assignors.)

Reyrolle, A., & Company Limited. (See Clothier, H. W., and Allan, assignors.)

Rice, Cyrus W., Pittsburgh, Pa. Water treatment. 2,258,260; Oct. 7.

Richard, Charles F., Battle Creek, Mich. Carton structure. 2,257,977; Oct. 7.

Richards, Charles E., assignor of one-half to O. Marshall, Clarksburg, W. Va. Hydraulic brake. 2,257,857; Oct. 7.

Richardson, Philip B., Montclair, assignor to Richardson Scale Company, Clifton, N. J. Nonsegregating distributor. 2,258,516; Oct. 7.

Richardson Scale Company. (See Richardson, Philip B., assignor.)

Richter, Max, West Reading, assignor to Textile Machine Works, Wyomissing, Pa. Yarn conditioning and control apparatus for textile machines. 2,258,421; Oct. 7.

Ridgway, William F., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Indicating mechanism. 2,257,764; Oct. 7.

Rigby, George W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of omega-amino nitriles. 2,257,814; Oct. 7.

Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Coupling circuit. 2,258,147; Oct. 7.

Robertson, Gordon J. (See Keith, P. C., Jr., Hill, and Robertson.)

Robertson, John, Rieran, Peru, H. E. Dunn, Crafton, Pa., and A. A. Sproul, Rye, N. Y., assignors to Vanadium Corporation of America, Bridgeville, Pa. Extraction of vanadium values from vanadium-bearing material. 2,257,978; Oct. 7.

Robertson, William H., assignor to The National Cash Register Company, Dayton, Ohio. Resetting mechanism. 2,257,858; Oct. 7.

Robinette, Walter A. (See Peters, W. J., Pattison, and Robinette.)

Robins Conveying Belt Company. (See Robins, Samuel D., assignor.)

Robins, Samuel D., assignor to Robins Conveying Belt Company, New York, N. Y. Gyratory apparatus. 2,258,217; Oct. 7.

Robinson, Evelyn G., New York, N. Y. Material handling apparatus. 2,258,125; Oct. 7.

Rocard, Yves, Paris, France, assignor to Compagnie Generale de Telegraphie sans Fil. Radio beacon. 2,257,815; Oct. 7.

Rochow, Eugene G., Schenectady, N. Y., assignor to General Electric Company. Methyl silicones and related products. 2,258,218; Oct. 7.

Rochow, Eugene G., Schenectady, N. Y., assignor to General Electric Company. Halogenated aryl silicones. 2,258,219; Oct. 7.

Rochow, Eugene G., West Albany, N. Y., assignor to General Electric Company. Resinous materials and insulated conductors and other products utilizing the same. 2,258,220; Oct. 7.

Rochow, Eugene G., West Albany, N. Y., assignor to General Electric Company. Aroxy silicones and insulated conductors and other products utilizing the same. 2,258,221; Oct. 7.

Rochow, Eugene G., West Albany, N. Y., assignor to General Electric Company. Methyl aryl silicones and insulated conductors and other products utilizing the same. 2,258,222; Oct. 7.

Rodman, Jacob, and M. Raine, Dorchester, assignors to M. B. Klubock and J. Rodman, Boston, Mass., as trustees. Apparatus for treating photographic prints. 2,258,422; Oct. 7.

Rodrian, Albert. (See Meisner, Erich, assignor.)

Rom, Palmer W., Cudahy, Wis. Vehicle signal. 2,258,069; Oct. 7.

Ronning, Adolph, Minneapolis, Minn. Hydraulic clutch. 2,258,302; Oct. 7.

Roosenstein, Hans O., assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Coil with line properties. 2,258,261; Oct. 7.

Rosaire, Esme E., and F. M. Kannenstine, Houston, Tex., assignors, by mesne assignments, to said Rosaire. Method and apparatus for recording waves. 2,257,859; Oct. 7.

Rose, Eustace L., Charleston, assignor to Gravely Motor Plow & Cultivator Co., Dunbar, W. Va. Sickle mower attachment. 2,258,517; Oct. 7.

Rosenberg, Stig E., Brockton, Mass. Ink-marking and perforating machine. 2,258,471; Oct. 7.

Ross, Roy G., assignor to Barber-Colman Company, Rockford, Ill. Adjustable support for yarn packages. 2,258,262; Oct. 7.

Rothenberg, Harry, Norwood, N. J., assignor to Henry Hyman, Brooklyn, N. Y. Flashlight hanger. 2,258,263; Oct. 7.

Rousseau, Raymon E. (See Horton, E. C., and Rousseau.)

Royal Typewriter Company. (See Michelsen, William O., assignor.)

Rubberset Company. (See Hewes, Lawrence S., assignor.)

Rubinstein, Harry W., assignor to Globe-Union Inc., Milwaukee, Wis. Combined shaft bearing and coupling. 2,257,979; Oct. 7.

Ruetgerswerke-Atiengesellschaft. (See Kahl, Leopold, assignor.)

Ruggles-Klingemann Mfg. Co. (See Kimball, James L., assignor.)

Rupprecht, John. (See Kerchner, C. E. Lewis, assignor.)

Russ, Harley W., Haverhill, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Measuring device. 2,257,860; Oct. 7.

Russell, John, Danbury, Conn., assignor to Pressurelube, Inc., Dover, Del. High pressure switch. 2,257,816; Oct. 7.

Rust, John B., West Orange, N. J., assignor to Ellis-Foster Company. Polymerization of alpha, beta, unsaturated polycarboxylic acid esters of polyhydric alcohols with vinyl compounds. 2,258,423; Oct. 7.

Rutkowski, Walter L., Normandy, assignor to R. C. Can Company, St. Louis, Mo. Container. 2,257,919; Oct. 7.

Ruttenauer, Alfred, Berlin-Halensee, and O. Fritze, Schulzendorf, near Eichwalde, Germany, assignors to General Electric Company. Gaseous electric discharge lamp device. 2,258,472; Oct. 7.

S. & S Corrugated Paper Machinery Co. (See Shields, Albert F., assignor.)

Sabol, Ernest J., Edgewood, Pa. Rail bond. 2,258,101; Oct. 7.

Sachanen, Alexander N., and R. C. Hansford, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Treatment of petroleum products. 2,257,920; Oct. 7.

Sachtleben, Lawrence T., Camden, N. J., assignor to Radio Corporation of America. Mounting of cylindrical lenses. 2,258,223; Oct. 7.

Saco-Lowell Shops. (See Neal, C. M., and Kennedy, assignors.)

Saint Genies, Anne H. J. de Lassus, Versailles, France. Screen for photography in relief. 2,258,164; Oct. 7.

Saint Genies, Anne H. J. de L., Versailles, France. Apparatus for obtaining photographs in color by projection copying. 2,258,558; Oct. 7.

Saladin, Otto, assignor to Saurefabrik Schweizerhall, Schweizerhalle, Switzerland. Apparatus for the production of carbon disulphide. 2,258,367; Oct. 7.

Salmond, Hubert M., Fareham, and A. Mathisen, High Holborn, London, assignors to Graviner Manufacturing Company Limited, London, England. Fire extinguisher. 2,258,102; Oct. 7.

Salvin, Victor S. (See Seymour, G. W., and Salvin.)

Samuels, Henry H., Rustenberg, Transvaal, Union of South Africa. Dentist's casting machine. 2,257,861; Oct. 7.

Sanders, Royden C., Jr. (See Wolff, L., and Sanders.)

Sarver, Emmett F., Hayes, Kans., assignor to General Motors Corporation, Dayton, Ohio. Electrodynamic compressor. 2,257,862; Oct. 7.

Sassano, Joseph, Yonkers, N. Y. Floor brush. 2,258,165; Oct. 7.

Saurefabrik Schweizerhall. (See Saladin, Otto, assignor.)

Sawle, William S., Kenilworth, Ill. Punch press. 2,258,070; Oct. 7.

Scaramucci, Domer, assignor to Oil Equipment Engineering Corporation, Oklahoma City, Okla. Cementing device for well casings. 2,257,765; Oct. 7.

Scheider, Frederick E., Los Angeles, Calif. Well pumping apparatus. 2,258,103; Oct. 7.

Schenck, Edward L., et al. (See Emmitt, R. R., and Schenck.)

Schenley Distillers Corporation. (See Carter, Sidney T., assignor.)

Schering Corporation. (See Butenandt, Adolf, assignors.)

Schirm, Erik, Dessau, Anhalt, Germany. Protecting goods from vermin. 2,258,556; Oct. 7.

Schmidt, Karl H., London, England, and M. Widakowich, Vienna, Germany; said Widakowich assignor to said Schmidt. Apparatus for converting direct current into periodic varying current. 2,258,303; Oct. 7.

Schneider, John P. (See Berchem, H. C., and Schneider.)

Schnell, Steve, Overland, assignor to Wagner Electric Corporation, St. Louis, Mo. Master cylinder. 2,258,034; Oct. 7.

Schoelles, Arthur L., Newfane, N. Y. Bobbin holder. 2,258,166; Oct. 7.

Schultz, Charles A., Toledo, Ohio, assignor to Geritz Adrian Manufacturing Corporation, Adrian, Mich. Wall fixture. 2,258,264; Oct. 7.

Schumacher, August, Flushing, N. Y. Apparatus for distributing materials. 2,258,519; Oct. 7.

Schundler, F. E., & Co. (See Denning, Paul S., assignor.)

Schuppert, Josef. (See Wünsch, G., and Schuppert.)

Schüssler, Karl, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Transmission line. 2,258,148; Oct. 7.

Schütze, Werner, Berlin-Pankow, assignor to Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschrankter Haftung, Berlin, Germany. Device for producing rapidly flying ions. 2,258,149; Oct. 7.

Schwager, August C., Milbrae, assignor to Pacific Electric Manufacturing Corporation, San Francisco, Calif. Circuit breaker mechanism. 2,258,195; Oct. 7.

Schwartz, Frederick, Brooklyn, N. Y. Shoe. 2,258,265; Oct. 7.

Schwarz, Henry, and C. A. Ellers, Montague, Mich. Attachment for ladders. 2,257,863; Oct. 7.

Schwarz, Herbert, Leverkusen-Wiesdorf, and J. Nelles, Leverkusen-Schlebusch, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Manufacture of aliphatic unsaturated nitro compounds. 2,257,980; Oct. 7.

Scophony Limited. (See Adams, Albert E., assignor.)

Scott, Douglas C., Alameda, Calif. Cosmetic sampling device. 2,257,981; Oct. 7.

Scott, Joseph E., Pratt, Kans. Reciprocal dental grinder. 2,258,473; Oct. 7.

Scott, William M., Jr., Bryn Mawr, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Circuit-controlling apparatus. 2,258,150; Oct. 7.

Scovron, Charles J., Donora, Pa., assignor to The American Steel and Wire Company of New Jersey. Rotary kiln lining. 2,258,518; Oct. 7.

Seaman, Joseph W. (See Atwood, W. A., and Seaman, assignors.)

Sears, Roebuck & Co. (See Macey, William C., assignor.)

Sears, Roebuck and Co. (See Zink, William L., assignor.)

Seay, Tom B. (See Jones, E. C., and Seay.)

Secretary of Agriculture of United States of America. (See Dutky, Samson R., assignor.)

Seippel, Claude, Ennetbaden, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Gas turbocompressor plant. 2,257,982; Oct. 7.

Seliger, Hellmuth. (See Suchy, R., and Seliger.)

Sengebusch, Hans, Villa Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Impulse transmitter mechanism. 2,258,266; Oct. 7.

Package Machinery Company. (See Lyon, Norman W., assignor.)

Servel, Inc. (See Maiuri, Guido, assignor.)

Servel, Inc. (See Shipman, Bennet C., assignor.)

Servel, Inc. (See Soroka, Walter W., assignor.)

Servel, Inc. (See Ullstrand, Hugo M., assignor.)

Sessions Clock Company, The. (See Simmons, Charles B., assignor.)

Seymour, Almeric W., La Canada, Calif. Apparatus for wrapping pipe. 2,258,104; Oct. 7.

Seymour, George W., and V. S. Salvin, Cumberland, Md., assignors to Celanese Corporation of America. Hydroxyalkylation of amines. 2,257,817; Oct. 7.

Sheehan, John J., Lynn, Mass. Surfacing wheel. 2,257,864; Oct. 7.

Shell Development Company. (See Engel, Willem F., assignor.)

Shenk, Eugene R., Brooklyn, N. Y., assignor to Radio Corporation of America. Phase corrector for telegraph systems. 2,258,151; Oct. 7.

Shenk, Eugene R., Brooklyn, N. Y., assignor to Radio Corporation of America. Synchronism corrector for telegraph systems. 2,258,152; Oct. 7.

Shepard, Arthur P. (See Ingham, H. S., and Shepard.)

Sheppard, Raymond, Niskayuna, N. Y., assignor to General Electric Company. Valve testing apparatus. 2,258,224; Oct. 7.

Sherman, John Q., Dayton, Ohio, deceased; K. M. and W. C. Sherman and W. B. Turner, executors. Series connected envelope and check. 2,257,766; Oct. 7.

Sherman, Katherine M., et al., executors. (See Sherman, John Q.)

Sherrill, Burl E., Peru, Ind. Lathe grinding attachment. 2,258,071; Oct. 7.

Shields, Albert F., Jamaica, assignor to S. & S. Corrugated Paper Machinery Co. Inc., Brooklyn, N. Y. Cutting knife support. 2,257,818; Oct. 7.

Shimer, John M., Dallas, Tex., assignor to Oil Well Supply Company. High speed thrust bearing. 2,258,267; Oct. 7.

Shipman, Bennet C., deceased, Arlington County, Va., by C. W. Shipman, executrix, Birmingham, Ala., assignor to Servel, Inc. Refrigeration. 2,257,983; Oct. 7.

Shipman, Clara W., executrix. (See Shipman, Bennet C.)

Shivers, Paul F., Wabash, Ind., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Pneumatic control instrument. 2,258,559; Oct. 7.

Shoemaker, Bernard H. (See Loane, C. M., and Shoemaker.)

Shores, Horace H., Cottondale, Fla. Sprocket. 2,258,225; Oct. 7.

Shuron Optical Company. (See Krapp, Walter C., assignor.)

Sickles, F. W., Company, The, et al. (See Forbes, Henry C., assignor.)

Siebs, Victor W., Summit, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Material unwinding device. 2,258,153; Oct. 7.

Siegel, Clarence J., Grand Rapids, Mich. Automatic shaper guard. 2,257,984; Oct. 7.

Sieger, Maurice P., assignor to United Engineering and Foundry Company, Pittsburgh, Pa. Reciprocating shear. 2,258,339; Oct. 7.

Siemens-Schuckertwerke Aktiengesellschaft. (See Pontow, Werner, assignor.)

Siers, John A. H., Jersey City, N. J. Umbrella. 2,258,196; Oct. 7.

Signaigo, Frank K., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydrogenation of aryl sulphides and products resulting. 2,257,819; Oct. 7.

Silverman, Isador, Newark, N. J., assignor to American Chain & Cable Company, Inc., New York, N. Y. Colored lubricant. 2,257,820; Oct. 7.

Silvestri, Charles, Somerville, Mass. Candy polishing machine. 2,258,105; Oct. 7.

Simmonds, Robert H., Corning, N. Y. Automatic clutch. 2,258,393; Oct. 7.

Simmons, Charles B., Bristol, assignor to The Sessions Clock Company, Forestville, Conn. Interval timer. 2,258,474; Oct. 7.

Simon, Julius. (See Strauss, David, assignor.)

Sinclair, Harold, Kensington, London, England. Power-transmission mechanism. 2,258,475; Oct. 7.

Sjostrom, Mary. (See Sjostrom, Robert L., assignor.)

Sjostrom, Robert L., Lawrence, Mass., assignor to M. Sjostrom. Link feed apron. 2,258,035; Oct. 7.

Skeats, Wilfred F., Lansdowne, Pa., assignor to General Electric Company. Electric circuit breaker. 2,258,226; Oct. 7.

Skinner, Charles K., Southport, Conn., assignor to General Electric Company. Washing machine. 2,258,227; Oct. 7.

Slagh, Harold R. (See Britton, E. C., and Slagh.)

Slayter Electronic Corporation. (See Bennett, Willard H., assignor.)

Slayter, Games, and J. H. Thomas, Newark, Ohio, assignors, by mesne assignments, to Owens-Corning Fiberglas Corporation. Apparatus for the manufacture of glass fibers. 2,257,767; Oct. 7.

Sloan, Harry E., Hartford, and G. A. Highberg, West Hartford, assignors to The Cushman Chuck Company, Hartford, Conn. Chuck jaw actuating mechanism. 2,257,921; Oct. 7.

Sloane, Reginald G., Elizabeth, N. J., assignor to Standard Oil Development Company. Lubricating composition. 2,257,890; Oct. 7.

Slutzky, William, Brooklyn, N. Y. Dental chair appliance. 2,258,126; Oct. 7.

Smith, Charles J., and A. W. Nelson, Ely, Minn. Wrapper opener. 2,258,036; Oct. 7.

Smith, Charles S., Westfield, and C. B. Baver, Fanwood, assignors to The Babcock & Wilcox Company, Newark, N. J. Fluid heating unit. 2,257,821; Oct. 7.

Smith, Clarence E., Dearborn, assignor to Pyro-Electro Instrument Co., Detroit, Mich. Hardness testing machine. 2,258,424; Oct. 7.

Smith, Elmer H., assignor to Smith Welding Equipment Corporation, Minneapolis, Minn. Cutting torch. 2,258,340; Oct. 7.

Smith, Harry F., Lexington, assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,258,425; Oct. 7.

Smith, Harry F., Lexington, assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,258,426; Oct. 7.

Smith, Harry F., Lexington, assignor to General Motors Corporation, Dayton, Ohio. Electrical apparatus. 2,258,427; Oct. 7.

Smith-King Company. (See King, John P., assignor.)

Smith Welding Equipment Corporation. (See Smith, Elmer H., assignor.)

Smith, William A. Jr., assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Feeding motor for rock drills. 2,257,889; Oct. 7.

Snap-On Tools Corporation. (See Densmore, Leroy F., assignor.)

Snavely, Clarence S., Pittsburgh, A. B. Miller, Edgewood Borough, and R. H. Tunell, Wilkinsburg, assignors to The Union Switch & Signal Company, Swissvale, Pa. Remote control system. 2,258,341; Oct. 7.

Snyder, Richard L., Glassboro, N. J., assignor, by mesne assignments, to Farnsworth Television & Radio Corporation, Dover, Del. Power multiplier. 2,257,985; Oct. 7.

Society of Chemical Industry in Basle. (See Grossmann, Paul, assignor.)

Socony-Vacuum Oil Company. (See Sachanen, A. N., and Hansford, assignors.)

Somers, Lewis S., assignor to Imperial Type Metal Company, Philadelphia, Pa. Engraving plate. 2,258,520; Oct. 7.

Somervell, Howard. (See Jauch, R. J., and Somervell.)

Soroka, Walter W., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,257,986; Oct. 7.

Spackman, Thomas F. (See Le Fevre, A. W., and Spackman.)

Sparks, William J., Cranford, and R. M. Thomas, Union, N. J., assignors to Standard Oil Development Company. Pressure roll from copolymer. 2,258,268; Oct. 7.

Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Arc starting device. 2,257,768; Oct. 7.

Sperry Gyroscope Company. (See Braddon, Frederick D., assignor.)

Sperry Gyroscope Company. (See Moseley, Francis L., assignor.)

Speth, Lloyd G. (See Van Sittert, P., Speth, and Engeln.)

Spoehrer-Lange Company. (See Lange, Harold T., assignor.)

Sproul, Archibald A. (See Robertson, J., Dunn, and Sproul.)

Stalder, Lee R., Kansas City, Mo., assignor to Certain-Teed Products Corporation, New York, N. Y. Process of and apparatus for dividing a web. 2,258,428; Oct. 7.

Standard Oil Company. (See Arveson, Maurice H., assignor.)

Standard Oil Company. (See Loane, C. M., and Shoemaker, assignors.)

Standard Oil Development Company. (See Miller, P., and Cloud, assignors.)

Standard Oil Development Company. (See Morway, A. J., and Zimmer, assignors.)

Standard Oil Development Company. (See Sloane, Reginald G., assignor.)

Standard Oil Development Company. (See Sparks, W. J., and Thomas, assignors.)

Standard Oil Development Company. (See Zimmer, John C., assignor.)

Standard Piston Ring Company. (See Amber, Walter E., assignor.)

Standard Railway Devices Company. (See Baillie, Wallace E., assignor.)

Standard Railway Devices Company. (See Bonsall, Charles D., assignor.)

Stansbury, Carroll, Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Switching apparatus for electric circuits. 2,258,072; Oct. 7.

Stanton, Frank C., Brookline, Mass. Cavity camera. 2,258,304; Oct. 7.

Starkey, William C., assignor to L. G. S. Spring Clutches, Incorporated, Indianapolis, Ind. Clutch constructon. 2,257,987; Oct. 7.

Starrett, L. S., Company, The. (See Coleman, James O., assignor.)

Stebler, Fred. (See Marsden, G. P., and Stebler.)

Stein, A., & Company. (See Bullinger, Conrad, assignor.)

Stevens, Daniel S., Chicago, Ill. Disposable colorimeter cell. 2,258,073; Oct. 7.

Stevens, Donald R., Swissvale, and W. A. Gruse, Wilkinsburg, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Making motor fuel. 2,258,368; Oct. 7.
Stevenson, William C., Middleburg, Va. Photoelectric device for indicating speed. 2,258,369; Oct. 7.
Stewart-Warner Corporation. (See Davis, Ernest W., assignor.)
Stewart-Warner Corporation. (See Le Fevre, A. W., and Spackman, assignors.)
Stickley, Leopold, Fayetteville, N. Y. Drawer guide. 2,257,822; Oct. 7.
Stimson, Allen G., Schenectady, N. Y., assignor to General Electric Company, Solenoid device. 2,258,228; Oct. 7.
Stirlen, Eugene D., New Haven, Conn., assignor to General Chemical Company, New York, N. Y. Production of sulphur from hydrogen sulphide. 2,258,305; Oct. 7.
Stirling, Frederick D. (See Blanchard, F. W., and Stirling.)
Stokes and Smith Company. (See Stokes, John S., assignor.)
Stokes, John S., Huntingdon Valley, assignor to Stokes and Smith Company, Summerdale, Pa. Method and apparatus for producing containers. 2,257,823; Oct. 7.
Stokes, William N., Charlotte, N. C. Coin tray. 2,257,891; Oct. 7.
Stone, Allen L., San Francisco, Calif., assignor, by mesne assignments to Pneumastic Co., Inc. Conveying system. 2,258,429; Oct. 7.
Stoner, Harry B., and R. W. Phillips, assignors to Stoner Manufacturing Corporation, Aurora, Ill. Plug and jack construction. 2,258,269; Oct. 7.
Stoner Manufacturing Corporation. (See Stoner, H. B., and Phillips, assignors.)
Storer, John E. Jr. (See Firth, D., and Storer.)
Storkline Furniture Corporation. (See Feldman, Abraham G., assignor.)
Storz, Otto, assignor to McGill Manufacturing Company, Valparaiso, Ind. Machine for treating race rings for bearings. 2,258,037; Oct. 7.
Stowe, Stephen C. (See Matheson, L. A., Boyer, and Stowe.)
Strauss, David, assignor of one-half to J. Simon, Rochester, N. Y. Safety razor blade. 2,258,197; Oct. 7.
Strauss, David, assignor of one-half to J. Simon, Rochester, N. Y. Safety razor. 2,258,198; Oct. 7.
Street, John N. (See Morris, H. B., and Street.)
Sturtevant, B. F., Company. (See Bergstrom, Carl O., assignor.)
Suchy, Robert, and H. Seliger, Bitterfeld, Germany, assignors, by mesne assignments, to W. H. Duisberg, New York, N. Y. Producing aluminum alloys. 2,257,988; Oct. 7.
Sun Oil Company. (See Barton, Paul D., assignor.)
Swanson, Nels H., Chicago, Ill. Flashlight. 2,258,074; Oct. 7.
Swearingen, Clair V., Chattanooga, Tenn. Chlorinator. 2,257,865; Oct. 7.
Swift, George W., Jr., Inc. (See Bruker, Hobart W., assignor.)
Sykes, William E., Manor Works, Staines, England. Gear lapping machine. 2,257,989; Oct. 7.
Symons, Edgar B., Hollywood, Calif., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Holding means for impact plates. 2,258,075; Oct. 7.
Szegö, Steven, Detroit, Mich., assignor to to American Diagrid Corporation, Dover, Del. Beam grid. 2,257,770; Oct. 7.
Szegö, Steven, Detroit, Mich., assignor to American Diagrid Corporation, Dover, Del. Roof structure. 2,257,769; Oct. 7.
Talbot, Cyrus G., and A. H. Townsend, Chicago, Ill. Charging system for electric lamps. 2,257,866; Oct. 7.
Tanasso, Vincent. (See Pomeranz, J. J., and Tanasso.)
Taylor, Carl C. (See Taylor, James Y. and C. C.)
Taylor, James Y. and C. C., Brownwood, Tex. Bottle holder. 2,258,076; Oct. 7.
Taylor, Laurens A., Schenectady, N. Y., assignor to General Electric Company. Pressure responsive device. 2,258,229; Oct. 7.
Taylor, Maurice K., and H. Wood, Hollinwood, England, assignors to Hazeltine Corporation. Television receiver video circuit. 2,258,370; Oct. 7.
Taylor, Robert S., Seattle, Wash. Oiling system for gearing. 2,258,077; Oct. 7.
Taylor-Wharton Iron and Steel Company. (See Taylor, William H., assignor.)
Taylor, William H., Phillipsburg, assignor to Taylor-Wharton Iron and Steel Company, High Bridge, N. J. Dredge bucket. 2,258,430; Oct. 7.
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Buschbeck, Werner, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Feld, Reinhard, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Hofer, Rufolf, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Roosenstein, Hans O., assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schüssler, Karl, assignor.)
Temprite Products Corporation. (See Graham, Frank O., assignor.)
Tennison, James D., Memphis, Tenn. Roof valley. 2,258,078; Oct. 7.
Texas Company, The. (See Hill, George and A. G., and Baker, Mitchum, and Harper, assignors.)
Texas Company, The. (See Yarnall, Willis A., assignor.)
Textile Machine Works. (See Richter, Max, assignor.)
Thomas, Frank P., Hoquiam, and F. B. Jennings, Olympia, Wash. Artificial bait. 2,258,080; Oct. 7.
Thomas, George V., Erie, Pa. Battery terminal clamp. 2,258,079; Oct. 7.
Thomas, John H. (See Slayter, G., and Thomas.)
Thomas, Robert M. (See Sparks, W. J., and Thomas.)
Thompson, Albert T., New Orleans, La. Tank closure. 2,258,521; Oct. 7.
Thompson, Albert T., New Orleans, La. Receptacle closure. 2,258,522; Oct. 7.
Thrush Company, The. (See Thrush, Marquis O., assignor.)
Thrush, Marquis O., assignor to The Thrush Company, Peru, Ind. Water circulator. 2,257,867; Oct. 7.
Tide Water Associated Oil Company. (See McCormick, Thomas F., assignor.)
Tillotson Manufacturing Company, The. (See Walter, Lloyd D., assignor.)
Timesaver Products Company. (See Mossback, W., and Menard, assignors.)
Timken Roller Bearing Company, The. (See Horger, Oscar J., assignor.)
Tinker, John M., Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Trifluoroacetyl halide and making it. 2,257,868; Oct. 7.
Tinker, John M., Penns Grove, and V. M. Weinmayr, Pitman, N. J., and A. L. Linch, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Effecting ring closure by means of hydrofluoric acid. 2,258,394; Oct. 7.
Tinnerman, George A., Rocky River, assignor, by mesne assignments, to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,258,342; Oct. 7.
Tinnerman Products, Inc. (See Tinnerman, George A., assignor.)
Titus, Gordon, assignor to W. A. Clark, Earlimart, Calif. Scraper bowl. 2,258,038; Oct. 7.
Tobin, Edward C. (See Wuertz, A. J., and Tobin.)
Tobin, Ralph C., executor, et al. (See Leprestre, Rene.)
Todd Company, The. (See Payne, Walter B., assignor.)
Tognola, Tullio, Sidney, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Rotor. 2,257,824; Oct. 7.
Toledo Scale Company. (See Weckerly, Mark A., assignor.)
Toledo Scale Company. (See Williams, Lawrence S., assignor.)
Tome, Charles A., Wilmington, Del. Tube. 2,258,395; Oct. 7.
Torrington Manufacturing Co. (See Evans, Addison W., assignor.)
Townsend, Adrian H. (See Talbot, C. G., and Townsend.)
Trabon Engineering Corporation. (See Hull, Edwin J., assignor.)
Transit Research Corporation. (See Piron, Emil H., assignor.)
Trautman, Charles E., East McKeesport, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Insulating oil compositions. 2,257,869; Oct. 7.
Trautman, Charles E., East McKeesport, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Insulating oil. 2,257,870; Oct. 7.
Trautman, Charles E., East McKeesport, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Insulating oil composition. 2,257,871; Oct. 7.
Trautman, Charles E., East McKeesport, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Insulating oil composition. 2,257,872; Oct. 7.
Trico Products Corporation. (See Horton, Erwin C., assignor.)
Trico Products Corporation. (See Horton, E. C., and Rousseau, assignors.)
Troche, Herman J., Cleveland Heights, assignor to The American Coach & Body Company, Cleveland, Ohio. Derrick anchorage. 2,257,873; Oct. 7.
Trollen, Martin E., assignor to Brown & Bigelow, St. Paul, Minn. Concealable desk pad. 2,258,306; Oct. 7.
Trunzer, Erich, Munich, Germany. Advertising pillar. 2,258,560; Oct. 7.
Tunell, Robert H. (See Snavely, C. S., Miller, and Tunell.)
Turenne, Wilfred J., Fayville, Mass. Switch. 2,257,990; Oct. 7.
Turner, Edward T., Dayton, Ohio. Apparatus for converting heat and pressure energies into mechanical energy. 2,258,167; Oct. 7.
Turner, Wellmore B., et al., executors. (See Sherman, John Q.)
Twin Disc Clutch Company. (See Adamson, Nicholas F., assignor.)
Ullstrand, Hugo M., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,257,874; Oct. 7.
Union Switch & Signal Company, The. (See Bone, H. L., and Livingston, assignors.)
Union Switch & Signal Company, The. (See Douglass, Myrl R., assignor.)

Union Switch & Signal Company, The. (See Snavely, C. S., Miller, and Tunell, assignors.)
United Aircraft Corporation. (See Martin, Erle, assignor.)
United Aircraft Corporation. (See Monerieff, Veon I., assignor.)
United Engineering and Foundry Company. (See Biggert, Florence C., Jr., assignor.)
United Engineering and Foundry Company. (See Sieger, Maurice P., assignor.)
United Shoe Machinery Corporation. (See Bagshaw, Charles M., assignor.)
United Shoe Machinery Corporation. (See Brown, Fred H., assignor.)
United Shoe Machinery Corporation. (See Elliott, Harold E., assignor.)
United Shoe Machinery Corporation. (See Haas, Otto R., assignor.)
United Shoe Machinery Corporation. (See Russ, Harley W., assignor.)
United States Cabinet Bed Co. (See Martin, Joseph, assignor.)
U. S. Electrical Motors, Inc. (See Heyer, Don, assignor.)
U. S. Electrical Motors, Inc. (See Myers, Thomas G., assignor.)
United States Rubber Company. (See Hansen, Albert W., assignor.)
United States Rubber Company. (See Messer, William E., assignor.)
Universal Oil Products Company. (See Barnes, Marion W., assignor.)
Universal Oil Products Company. (See Benedict, W. L., and Kassel.)
Universal Oil Products Company. (See Johnstone, Warren W.)
Vaala, Gordon T., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyamide composition. 2,257,825; Oct. 7.
Valentine, Percy W., Brooklyn, N. Y. Shoe sole trimming machine. 2,257,826; Oct. 7.
Vanadium Corporation of America. (See Robertson, J., Dunn, and Sproul, assignors.)
Van Atta, Arthur A., Marion, Ohio. Door or screen. 2,258,523; Oct. 7.
Van Norden, Ericcson B., Rainbow Lakes, N. J., assignor to A. Kimball Company, New York, N. Y. Price tag. 2,257,991; Oct. 7.
Van Sittert, Paul, Cleveland Heights, L. G. Speth, East Cleveland, and J. H. Engeln, assignors to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Reversible rotary motor. 2,257,892; Oct. 7.
Van Sittert, Paul, Shaker Heights, and L. G. Speth, East Cleveland, and J. H. Engeln, assignors to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Reversible rotary motor. 2,257,893; Oct. 7.
Vaughn, George A., Newton, Iowa, assignor, by mesne assignments, to Koehring Company, Milwaukee, Wis. Dirt moving machine. 2,257,902; Oct. 7.
Velk, Joseph, Milwaukee, Wis. Driving mechanism. 2,258,270; Oct. 7.
Verplanck, Philip, Akron, Ohio. Tie plate and rail support. 2,257,923; Oct. 7.
Verrinder, Ernest A. (See Marsden, G. P., and Verrinder.)
Vickers, Harry F., assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,258,307; Oct. 7.
Vickers Incorporated. (See Vickers, Harry F., assignor.)
Vigurs, Bernard G., Staten Island, N. Y. Cocktail shaker. 2,258,524; Oct. 7.
Vigurs, Bernard G., West New Brighton, Staten Island, N. Y. Scheduled instruction device. 2,258,525; Oct. 7.
Vollenweider, Emil, Sacramento, Calif. Magneto for model engines. 2,258,503; Oct. 7.
Von Ardenne, Manfred, Berlin, Germany. Electronic-optical device. 2,257,774; Oct. 7.
Von Ardenne, Manfred, Berlin, Germany, assignor to Radio Patents Corporation, New York, N. Y. Phototube for translation of images. 2,258,436; Oct. 7.
Von Falkenhausen, Alexander, assignor to Bayerische Motoren Werke Aktiengesellschaft, Munich, Germany. Side car motorcycle. 2,258,397; Oct. 7.
Vretman, Carl G., Atlanta, Ga. Domestic refrigerator. 2,257,924; Oct. 7.
Vretman, Carl G., Atlanta, Ga. Domestic refrigerator. 2,257,925; Oct. 7.
Vulcan Soot Blower Corporation. (See Arey, F. C., and Hibner, assignors.)
Wagner Electric Corporation. (See Kramer, H., and Milster, assignors.)
Wagner Electric Corporation. (See Schnell, Steve, assignor.)
Walker, George, Passaic, N. J. Strain reliever for electrical conductors. 2,258,343; Oct. 7.
Walker, Richard A., St. Joseph, Mo. Collapsible coop. 2,258,344; Oct. 7.
Wallace & Tiernan Products, Inc. (See MacKay, John R., assignor.)
Walter, Gustave, Jersey City, N. J. Engine cooling system. 2,258,526; Oct. 7.
Walter, Lloyd D., assignor to The Tillotson Manufacturing Company, Toledo, Ohio. Liquid flow control apparatus. 2,258,271; Oct. 7.
Wanderer-Werke Aktiengesellschaft. (See Ewald, Heinrich K. F., assignor.)
Wanderer-Werke vorm. Winklhofer & Jaenicke Akt.-Ges. (See Ewald, Heinrich K. F., assignor.)
Ward, Oscar, Marshfield, Wis. Sewage treatment. 2,258,398; Oct. 7.
Warman, Charles H., Kalgoorlie, Western Australia, Australia. Centrifugal pump. 2,258,527; Oct. 7.
Warren, Glenn B., Schenectady, N. Y., assignor to General Electric Company. Valve. 2,258,230; Oct. 7.
Watling, Landon C., Wester Groves, Mo. Step stool. 2,257,926; Oct. 7.
Watson, Charles W., Rocky Point, N. Y., assignor to Radio Corporation of America. Automatic reclosing breaker system. 2,258,154; Oct. 7.
Watson, Ralph M., Bloomfield, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Pump. 2,258,155; Oct. 7.
Waverly Press, Inc. (See Blake, William E., assignor.)
Wayne Pump Company, The. (See Jauch, R. J., and Gilmore, assignors.)
Wayne Pump Company, The. (See Jauch, R. J., and Somervell, assignors.)
Weckerly, Mark A., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 2,258,081; Oct. 7.
Weinmayr, Viktor M. (See Tinker, J. M., Weinmayr, and Linch.)
Weissenberg, Gustav J., Berlin-Mariendorf, Germany, assignor to Radio Patents Corporation. Electron discharge tube. 2,257,827; Oct. 7.
Welch, R. J., Jr., et al. (See Hinds, Fred, assignor.)
Wellman, Samuel K., Cleveland Heights, assignor to The S. K. Wellman Company, Cleveland, Ohio. Heat treating furnace. 2,258,431; Oct. 7.
Wellman, S. K., Company, The. (See Wellman, Samuel K., assignor.)
Wernert, Karl, Mulheim-on-the-Ruhr, Germany. Rotary piston machine with rotor of yieldable material. 2,258,371; Oct. 7.
Werring, Walter W. (See Boettler, J. R., and Werring.)
Weskenson Corporation. (See Johnson, William H., assignor.)
Western Electric Company. (See Chuma, Steven, assignor.)
Western Electric Company. (See Johnstone, H. G., and Gates, assignors.)
Western Electric Company. (See Siebs, Victor W., assignor.)
Western Union Telegraph Company, The. (See Wheeler, E. R., Dirkes, and Kimball, assignors.)
Westinghouse Electric & Manufacturing Company. (See Folgmann, August, assignor.)
Westinghouse Electric & Manufacturing Company. (See Parr, B. F., and Heilman, assignors.)
Westinghouse Electric & Manufacturing Company. (See Woodman, Kenneth L., assignor.)
Whedon, Earl, et al. (See Burns, Leo G., assignor.)
Wheeler, Evan R., Plainfield, N. J., R. F. Dirkes, Jamaica, N. Y., and V. R. Kimball, Union City, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Multitape telegraph receiver. 2,257,828; Oct. 7.
Wherry, Dale J., St. Louis, Mo. Piston recammer. 2,258,476; Oct. 7.
White, Elwood V., Moscow, Idaho, assignor to The Dow Chemical Company, Midland, Mich. Glucoside ether from polysaccharide ethers. 2,258,168; Oct. 7.
White, John H., High Point, N. C. Typewriter desk. 2,258,372; Oct. 7.
White, Lynt, R. H. Hodgson, R. H. White, and B. H. Jones, Jr., assignors to The Atlanta Stove Works, Inc., Atlanta, Ga. Damper control. 2,258,373; Oct. 7.
White, Robert H. (See White, L., Hodgson, White, and Jones.)
White Sewing Machine Corporation. (See Garwin, L. O., and Colegrove, assignors.)
Whitman, Stephen F., & Son, Inc. (See Maxwell, Joseph R., assignor.)
Whitney Chain & Mfg. Company, The. (See Mullaney, Richard L., assignor.)
Widakowich, Marius. (See Schmidt, K. H., and Widakowich.)
Wiggs, James W. (See Hensel, F. R., Emmert, and Wiggs.)
Wilder, Lot S. (See Mannes, L. D., Godowsky, and Wilder.)
Wildt and Company Limited. (See Holmes, H. H., and Hurd, assignors.)
Williams, Lawrence S., Toledo, Ohio, assignor to Toledo Scale Company. Coin-controlled weighing scale. 2,258,308; Oct. 7.
Williams Oil-O-Matic Heating Corporation. (See Hollatz, Arthur C., assignor.)
Williamson, Larkin R., assignor to E. W. Bliss Company, Brooklyn, N. Y. Brake. 2,257,771; Oct. 7.
Wilson, Edward W., assignor to Nashua Gummed and Coated Paper Company, Nashua, N. H. Shirt band. 2,257,922; Oct. 7.
Winby, Lewis P., Westminster, London, and G. C. Hurrell, Eltham, London, England. Rail lubricating apparatus. 2,258,082; Oct. 7.
Windsor, John F., Chicago, and C. Mark, Jr., Evanston, assignors, by mesne assignments, to The Youngstown Sheet and Tube Company, Youngstown, Ohio. Electric welding machine. 2,257,875; Oct. 7.

Winkler, Alfred, and M. Dünnebier, Neuwied, Germany. Method and apparatus for forming windows in blanks for envelopes and other articles. 2,257,829; Oct. 7.
Winn, Sidney B., Lapeer, Mich. Tractor-trailer vehicle. 2,258,432; Oct. 7.
Winsor, Paul, Jr., Lincoln Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,257,894; Oct. 7.
Witteman, Harvey A., Seattle, Wash. Propeller stern bearing. 2,258,309; Oct. 7.
Wolf, Austin M., Plainfield, N. J. Motor vehicle propulsion. 2,257,772; Oct. 7.
Wolf, Austin M., Plainfield, N. J. Stabilizing means for motor vehicles. 2,257,773; Oct. 7.
Wolf, Elisabeth, heirs et al. (See Wolf, George.)
Wolf, Georg, deceased, Berlin, by E. Wolf, Berlin-Hessenwinkel, R. Wolf, Berlin, G. Wolf, Berlin-Hessenwinkel, and M. Ladwig, née Wolf, Berlin-Alexanderhof, as heirs, assignors to the firm of George Wolf G. m. b. H., Berlin, Germany. Instrument for examining body cavities. 2,258,083; Oct. 7.
Wolf, George, G. m. b. H. (See Wolf, Georg, assignor.)
Wolf, Georg, heir et al. (See Wolf, George.)
Wolf, Richard, heir et al. (See Wolf, Georg.)
Wolff, Irving, Merchantville, and R. C. Sanders, Jr., Audubon, N. J., assignors to Radio Corporation of America. Frequency-modulated radio altimeter. 2,257,830; Oct. 7.
Wood, Hubert. (See Taylor, M. K., and Wood.)
Wood, John, Manufacturing Company. (See Woodford, J. C., and Fernly, assignors.)
Wood, Reginald M., Montreal, Quebec, Canada. Ski seat. 2,257,831; Oct. 7.
Woodford, Joseph C., Wayne, and J. E. Fernly, assignors to John Wood Manufacturing Company, Inc., Conshohocken, Pa. Liquid dispensing apparatus. 2,257,895; Oct. 7.
Woodman, Kenneth L., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric roaster. 2,258,145; Oct. 7.
Woolsey Manufacturing Company. (See Carpenter, Frank W., assignor.)
Worthington Pump and Machinery Corporation. (See Watson, Ralph M., assignor.)
Wright, Joseph T., Dayton, assignor to Harris-Seybold-Potter Company, Cleveland, Ohio. Stitcher. 2,258,477; Oct. 7.
Wuertz, Alexander J., Wilmington, Del., and E. C. Tobin, Woodstown, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Alkylcarbonate esters of dibenzanthrone and isodibenzanthrone compounds and making them. 2,258,400; Oct. 7.
Wünsch, Guido, Berlin-Steglitz, and J. Schuppert, assignors, by mesne assignments, to Junkers & Co., G. m. b. H., Dessau, Germany. Thermoelectric safety device. 2,257,927; Oct. 7.
Wurzburger, Paul, Paris, France, assignor to Patex Société Anonyme, Basel, Switzerland. Pipe union. 2,258,528; Oct. 7.
Yarnall, Willis A., Beacon, assignor to The Texas Company, New York, N. Y. Catalytic treatment of hydrocarbons. 2,257,896; Oct. 7.
Yochem, Donald E., Columbus, assignor to L. S. D. Inc., Dayton, Ohio. Apparatus for washing dishes, silverware, and the like. 2,257,928; Oct. 7.
Yochem, Donald E., Columbus, assignor to L. S. D. Inc., Dayton, Ohio. Apparatus for washing dishes, silverware, and the like. 2,257,929; Oct. 7.
Yochem, Donald E., Columbus, assignor to L. S. D., Inc., Dayton, Ohio. Apparatus for washing dishes, silverware, and the like. 2,257,930; Oct. 7.
Youhouse, Joseph, Fairfield, assignor to Casco Products Corporation, Bridgeport, Conn. Electric motor. 2,258,561; Oct. 7.
Young, Fred M., Racine, Wis. Cushion seal bearing. 2,258,040; Oct. 7.
Young, Fred M., Racine, Wis. Reinforcing means for radiator tubes. 2,258,041; Oct. 7.
Young, Leonard A., Detroit, Mich. Manufacturing wire screens. 2,257,993; Oct. 7.
Youngstown Sheet and Tube Company, The. (See Oyen, Erling, assignor.)
Youngstown Sheet and Tube Company. (See Windsor, J. F., and Mark.)
Zahnradfabrik Friedrichshafen Aktiengesellschaft. (See Laessker, Fritz, assignor.)
Zahodiakin, Victor F., New York, N. Y. Heat treating and drawing fixture. 2,258,039; Oct. 7.
Zangl, Heinrich. (See Bäseler, W., Zangl, and Dietrich.)
Zellers, Donald H., Pittsburgh, Pa. Safety electric joint. 2,257,775; Oct. 7.
Zenner, George H., and O. A. Hansen, Kenmore, assignors to The Linde Air Products Company, New York, N. Y. Method and apparatus for dispensing gas material. 2,257,897; Oct. 7.
Zimmer, John C. (See Morway, A. J., and Zimmer.)
Zimmer, John C., Hillside, N. J., assignor to Standard Oil Development Company. Lubricant. 2,258,309; Oct. 7.
Zink, William L., Plano, assignor to Sears, Roebuck and Co., Chicago, Ill. Drag harrow. 2,258,433; Oct. 7.
Zofnass, Jesse E., Roxbury, Mass. Mattress. 2,257,994; Oct. 7.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 7TH DAY OF OCTOBER, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Cooler, Evaporative. C. N. Deverall. Re. 21,917; Oct. 7.
Electric broiling appliance. A. T. Smith. Re. 21,918; Oct. 7.

LIST OF PLANT INVENTIONS

Carnation. J. W. Steidle, Jr. 491; Oct. 7.

LIST OF DESIGN INVENTIONS

Ashtray or similar article. G. Sakler. 129,861; Oct. 7.
Bag, Bathing. V. Nachmias. 129,839; Oct. 7.
Bath tub. W. J. Kohler. 129,821; Oct. 7.
Bookcase. I. Simon. 129,825; Oct. 7.
Bottle. F. McIntosh. 129,847; Oct. 7.
Bridge for an ophthalmic mounting. T. R. Uhlemann. 129,911; Oct. 7.
Brooch or similar article. A. Philippe. 129,850; Oct. 7.
Brooch or similar article. A. Philippe. 129,853; Oct. 7.
Brooch or similar article. A. Spaney. 129,855–7; Oct. 7.
Cabinet for a space heater or the like. W. C. Schneider. 129,840; Oct. 7.
Cabinet or the like, Stoker. H. Van Doren and D. E. Dailey. 129,876; Oct. 7.
Case, Display. C. F. Belshaw. 129,796; Oct. 7.
Case, Hearing aid apparatus. W. D. Penn. 129,822; Oct. 7.
Casing for sound apparatus. D. C. Rockola. 129,860; Oct. 7.
Casing, Speaker. E. E. Collison. 129,844; Oct. 7.
Chain or similar article, Linked. D. Cooper. 129,830; Oct. 7.
Chair. H. C. Doner. 129,817; Oct. 7.
Clip or similar article. D. Cooper. 129,829; Oct. 7.
Clip, Pin. A. Philippe. 129,849; Oct. 7.
Clip, Pin. A. Philippe. 129,851–2; Oct. 7.
Clip, Pin. A. Spaney. 129,854; Oct. 7.
Clock. A. B. Shawl. 129,005; Oct. 7.
Coat. I. Smith. 129,862; Oct. 7.
Collar, Protective. M. R. Cohig. 129,866; Oct. 7.
Container, Floral. J. B. Clow. 129,814; Oct. 7.
Cup, Paper drinking. O. G. Reiber. 129,823; Oct. 7.
Display card. F. F. Ehrenhaft and B. Freund. 129,819; Oct. 7.
Display mount for backed photographic figures. J. C. Schirrmacher and P. J. Doran. 129,906; Oct. 7.
Dress. M. Carbotti. 129,877; Oct. 7.
Dress. L. Decker. 129,878; Oct. 7.
Dress. S. Mattes. 129,879–80; Oct. 7.
Dress. H. May. 129,881; Oct. 7.
Dress. M. McCoy. 129,882–4; Oct. 7.
Dress. E. N. Perper. 129,885; Oct. 7.
Dress. R. Richman. 129,886–7; Oct. 7.
Dress. J. E. Silverman. 129,889; Oct. 7.
Dress. S. Zahn. 129,891–3; Oct. 7.
Dress ensemble. S. Riesenberg. 129,888; Oct. 7.
Emblem or similar article, Appliqué. W. P. Burn. 129,797–812; Oct. 7.
Escutcheon for a radio set, Dial. R. D. Budlong. 129,864; Oct. 7.
Fabric, Textile. M. Christen. 129,865; Oct. 7.
Fabric, Textile. J. E. Maisch. 129,870; Oct. 7.
Fabric, Textile. S. B. Schaeffer. 129,873–5; Oct. 7.
Fabric, Woven textile. G. A. Niedner. 129,871–2; Oct. 7.
Fabric or similar article, Textile. G. E. Eisenhardt. 129,900; Oct. 7.
Fabric or similar article, Textile. M. C. Hughes. 129,868–9; Oct. 7.
Fabric or similar article, Textile. M. C. Hughes. 129,902; Oct. 7.
Garment, Foundation. J. Abeles. 129,894–5; Oct. 7.
Generator, Magneto electric. E. A. Vogel. 129,863; Oct. 7.
Girdle, Panty. A. N. Spanel. 129,890; Oct. 7.
Hamper, Metal. W. Panzer. 129,848; Oct. 7.
Holder, Cigarette. R. A. Lemoyne. 129,846; Oct. 7.
Jacket, Sports. N. Turcotte. 129,909; Oct. 7.
Jewelry finding or similar article. R. Kay. 129,832–5; Oct. 7.
Knife. J. E. Krilow. 129,845; Oct. 7.
Lace. R. Dannecker. 129,897; Oct. 7.
Lamp, Fluorescent tube-illuminated street. C. S. Davidson. 129,831; Oct. 7.
Lamp head. M. Mache and N. Levinson. 129,837; Oct. 7.
Lamp lens. R. Cadwallader. 129,828; Oct. 7.
Light fixture. E. C. Koegel. 129,836; Oct. 7.
Mail box. C. L. Hanson and H. J. Jadin. 129,901; Oct. 7.
Metalworking machine. A. C. Carlson. 129,859; Oct. 7.
Molding machine or the like. L. A. Demkier and K. O. Hostetter. 129,898–9; Oct. 7.
Oil filtering unit, Portable. R. P. Dunmire. 129,867; Oct. 7.
Ornament or similar article, Christmas tree. J. I. Adler. 129,841; Oct. 7.
Pin, Emblem. A. Stoller. 129,858; Oct. 7.
Pin or similar article. M. Boucher. 129,842–3; Oct. 7.
Pin or similar article. D. Cooper. 129,815; Oct. 7.
Plate or similar article. I. Darrow. 129,816; Oct. 7.
Platter or other article of hollowware. J. G. Theobald. 129,827; Oct. 7.
Ring, Finger. A. Sager. 129,824; Oct. 7.
Salt block. M. J. Gearing. 129,820; Oct. 7.
Seal impressing device or similar article. W. P. Burn. 129,813; Oct. 7.
Sheet or similar article. V. W. Marghab. 129,904; Oct. 7.
Shoe. K. B. Keyes. 129,903; Oct. 7.
Shoe. H. L. Sutcliffe. 129,907; Oct. 7.
Signal, Railroad crossing. S. E. McFarland. 129,838; Oct. 7.
Temple for an ophthalmic mounting. T. R. Uhlemann. 129,912; Oct. 7.
Toothbrush, Rotary. H. M. Sutherland. 129,908; Oct. 7.
Tray, Serving. M. E. Stone. 129,826; Oct. 7.
Vestee. N. Turcotte. 129,910; Oct. 7.
Watch and display form therefor, Combination. W. B. Cohen. 129,896; Oct. 7.
Watch testing and display device, or the like, Combined. D. F. Ebbert. 129,818; Oct. 7.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 7TH DAY OF OCTOBER, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive articles, Producing. H. B. Morris. 2,258,026; Oct. 7.
Accelerator control device. H. D. Gonderman. 2,258,007; Oct. 7.
Accounting machine. H. Daendliker. 2,258,110; Oct. 7.
Accounting machine. M. E. Gould. 2,258,204; Oct. 7.
Acid inhibitor and noncorrosion acid liquor. K. G. Chesley. 2,258,578; Oct. 7.
Adenotome. M. R. Grieshaber. 2,258,287; Oct. 7.
Adjusting and testing device, Flush tank valve rod bearing arm. F. M. Heath. 2,258,386; Oct. 7.
Advertising horoscope machine. H. G. Brown, Jr. 2,258,351; Oct. 7.
Advertising pillar. E. Trunzor. 2,258,560; Oct. 7.
Air circulator. H. J. Findley. 2,258,284; Oct. 7.
Air conditioning system. J. S. Locke. 2,258,021; Oct. 7.
Air conditioning system. L. B. Miller and W. L. McGrath. 2,257,975; Oct. 7.
Air conditioning system. A. B. Newton. 2,257,915; Oct. 7.
Air conditioning system. J. D. Poythress. 2,257,916; Oct. 7.
Air conditioning system utilizing refrigeration. C. O. Bergstrom. 2,258,565; Oct. 7.
Air for engines, System for conditioning. W. E. Dunn. 2,258,088; Oct. 7.
Aircraft wing structure. V. E. Clark. 2,258,134; Oct. 7.
Airplane having a liftable pusher plant. C. Dornier. 2,257,940; Oct. 7.
Airplane wing. J. Gutridge. 2,258,490; Oct. 7.
Air separator. R. J. Jauch and S. E. Gilmore. 2,258,496; Oct. 7.
Air separator. R. J. Jauch and H. Somervell. 2,258,497; Oct. 7.
Alloys, Producing aluminum. R. Suchy and H. Seliger. 2,257,988; Oct. 7.
Alternating current electric systems, Protection of. E. H. Baneker. 2,258,234; Oct. 7.
Alternating current electric systems, Protection of. F. A. Hamilton, Jr. 2,258,246; Oct. 7.
Alternating current electric systems, Protection of. E. M. Hunter. 2,258,248; Oct. 7.
Aluminum surfaces, Cleaning. W. M. Humphrey and R. E. Lee. 2,257,960; Oct. 7.
Amines and monoalkylol cyanamides, Condensation products of. W. P. Ericks. 2,258,321; Oct. 7.
Amines, Hydroxyalkylation of. G. W. Seymour and V. S. Salvin. 2,257,817; Oct. 7.
Amplifier. H. Boucke. 2,257,782; Oct. 7.
Amplifier, Hearing aid. W. Dubilier. 2,257,840; Oct. 7.
Amplifier, Image. P. T. Farnsworth. 2,257,942; Oct. 7.
Amplifying system. H. Boucke. 2,258,440; Oct. 7.
Amusement device for small children. J. L. Baldwin. 2,258,531; Oct. 7.
Animal trap. A. W. Drake. 2,258,549; Oct. 7.
Antenna system, Satellite station. J. C. McNary and J. A. Chambers. 2,258,186; Oct. 7.
Antenna, Wide band. P. S. Carter. 2,258,406–7; Oct. 7.
Apparatus and method for separating values from value-bearing materials. B. Bromberg. 2,258,201; Oct. 7.
Apparatus for cleaning conduits. W. R. Chawner. 2,258,174; Oct. 7.
Apparatus for cleaning dust from shoes. F. H. Brown. 2,257,836; Oct. 7.
Apparatus for controlling the temperature of exothermic catalytic reactions. W. Pontow. 2,258,146; Oct. 7.
Apparatus for converting direct current into periodic varying current. K. H. Schmidt and M. Widakowich. 2,258,303; Oct. 7.
Apparatus for converting heat and pressure energies into mechanical energy. E. T. Turner. 2,258,167; Oct. 7.
Apparatus for curling yarn. A. L. Johnston, Jr. 2,258,139; Oct. 7.
Apparatus for distributing materials. A. Schumacher. 2,258,519; Oct. 7.
Apparatus for drawing tubes of multiple wall thickness. O. M. Ditzel and V. Petersen. 2,258,242; Oct. 7.
Apparatus for drilling terrestrial bores. W. R. Coleman. 2,257,733; Oct. 7.
Apparatus for measuring the elastic properties of materials. J. R. Boettler and W. W. Werring. 2,258,276; Oct. 7.
Apparatus for obtaining photographs in color by projection copying. A. H. J. de L. Saint Genies. 2,258,558; Oct. 7.
Apparatus for preparing statistical records. J. W. Bryce. 2,258,106; Oct. 7.
Apparatus for the production of carbon disulphide. O. Saladin. 2,258,367; Oct. 7.

Apparatus for the projection of upright pictures. J. Goebel. 2,258,382; Oct. 7.
Apparatus for treating photographic prints. J. Rodman and M. Raine. 2,258,422; Oct. 7.
Apparatus for use in conditioning fibrous material. G. and A. G. Hill, P. H. Baker, L. C. Mitchum, and E. A. Harper. 2,257,798; Oct. 7.
Apparatus for vaporization. W. Coopey. 2,258,445; Oct. 7.
Apparatus for washing dishes, silverware, and the like. D. E. Yochem. 2,257,928–9–30; Oct. 7.
Apparatus for wrapping pipe. A. W. Seymour. 2,258,104; Oct. 7.
Arc starting device. P. L. Spencer. 2,257,768; Oct. 7.
Aroxy silicones and insulated conductors and other products utilizing the same. E. G. Rochow. 2,258,221; Oct. 7.
Arsenates, Electrolytic process of preparing. M. Janes and G. W. Heise. 2,257,746; Oct. 7.
Aryl silicones, Halogenated. E. G. Rochow. 2,258,219; Oct. 7.
Atomizer, Rotary. H. Goodman and V. S. Dillingham. 2,258,357; Oct. 7.
Attaching device. H. Cohen. 2,257,787; Oct. 7.
Automatic clutch. R. H. Simmonds. 2,258,393; Oct. 7.
Automatic pumping. R. P. Miller. 2,258,299; Oct. 7.
Automatic reclosing breaker system. C. W. Watson. 2,258,154; Oct. 7.
Automobile body. A. H. Haberstump. 2,257,951; Oct. 7.
Automobile heater. A. W. Le Fevre and T. F. Spackman. 2,257,967; Oct. 7.
Axle for toy vehicles. R. E. Harris. 2,258,053; Oct. 7.
Bait, Artificial. F. P. Thomas and F. B. Jennings. 2,258,080; Oct. 7.
Bait box. G. M. Graham. 2,257,879; Oct. 7.
Ball rolling game. B. G. MacDougall, A. F. Chouinard, and F. G. Nicolaus. 2,258,329; Oct. 7.
Bar: *See*—
  Boring bar.
Baseball game. D. S. Alexander. 2,258,272; Oct. 7.
Bathing suit. J. Perez. 2,258,502; Oct. 7.
Battery terminal clamp. G. V. Thomas. 2,258,079; Oct. 7.
Bay construction for housing. H. Hasenburger and H. W. Corbett. 2,258,491; Oct. 7.
Beacon, Radio. Y. Rocard. 2,257,815; Oct. 7.
Bearing: *See*—
  Cushion seal bearing. Railway car axle bearing.
  High speed thrust bearing. Self-lubricating bearing.
  Propeller stern bearing.
Belt tightening and loosening driving connection. H. L. Heineke. 2,257,796; Oct. 7.
Blower wheel construction. A. W. Evans. 2,258,050; Oct. 7.
Bobbin holder. A. L. Schoelles. 2,258,166; Oct. 7.
Boiler cleaner. F. Bowers and H. E. Breisford. 2,257,936; Oct. 7.
Bolt and wedge assembly. M. E. Kemper. 2,257,962; Oct. 7.
Book, Sample display. W. C. Macey. 2,258,418; Oct. 7.
Bookkeeping machine. H. K. F. Ewald. 2,258,090; Oct. 7.
Boring bar. G. Menaquale. 2,258,097; Oct. 7.
Bottle holder. J. Y. and C. C. Taylor. 2,258,076; Oct. 7.
Bottle hooding machine. N. W. Lyon. 2,258,185; Oct. 7.
Bowl, Scraper. G. Titus. 2,258,038; Oct. 7.
Box: *See*—
  Bait box. Stuffing box.
Box lining forming and inserting machine. E. G. Jurgens and H. K. Becker. 2,258,013; Oct. 7.
Bracket for lavatories or the like, Mounting. R. M. Chesney. 2,258,044; Oct. 7.
Braider carrier. J. P. King. 2,258,018; Oct. 7.
Brake: *See*—
  Hydraulic brake.
Brake. L. R. Williamson. 2,257,771; Oct. 7.
Brassière. C. Bullinger. 2,258,277; Oct. 7.
Breast form and brassière. S. De Jorio. 2,258,209; Oct. 7.
Broach, W. J. Peters, W. Pattison, and W. A. Robinette. 2,258,163; Oct. 7.
Brush, Floor. J. Sassano. 2,258,165; Oct. 7.
Bucket, Dredge. W. H. Taylor. 2,258,430; Oct. 7.
Bumper, Elastically connected mine car. H. H. Pancake. 2,258,214; Oct. 7.
Burner: *See*—
  Liquid-fuel burner. Oil burner.
Burner cabinet construction. A. J. Grindle. 2,258,489; Oct. 7.

Burner head. M. F. Leiby. 2,258,388; Oct. 7.
Cabinet: *See*—
  Kitchen cabinet. Refrigerator cabinet.
Cable sheath protector. C. E. L. Kerchner. 2,258,508; Oct. 7.
Calendar, Automatic. C. Goldthwait. 2,257,947; Oct. 7.
Cam follower mechanism. W. H. Johnson. 2,258,114; Oct. 7.
Camera. R. C. Neltner. 2,258,098; Oct. 7.
Camera and light control apparatus, Combined. J. F. Kaletay. 2,258,140; Oct. 7.
Camera, Cavity. F. C. Stanton. 2,258,304; Oct. 7.
Candy polishing machine. C. Silvestri. 2,258,105; Oct. 7.
Car: *See*—
  Railroad passenger car. Refrigerator car.
Carbon, Making activated. N. D. Griswold. 2,257,907; Oct. 7.
Carburetor device. R. L. Dickson. 2,258,003; Oct. 7.
Carcass refrigeration. F. B. Bratek and H. H. McKee. 2,258,173; Oct. 7.
Carriage, Baby. A. G. Feldman. 2,257,943; Oct. 7.
Carrier: *See*—
  Braider carrier.
Carton structure. C. F. Richard. 2,257,977; Oct. 7.
Case: *See*—
  Illuminated vanity case.
Cast refractory and similar articles, Producing. T. E. Field. 2,257,737; Oct. 7.
Catalyst, Alloy-skeleton. B. W. Howk. 2,257,800; Oct. 7.
Catalysts, Preparation of. W. F. Engel. 2,258,111; Oct. 7.
Cement capable of hardening rapidly in the cold and preparing it, Resinous. K. Dietz, H. Greune, and F. Privinsky. 2,258,546; Oct. 7.
Cementing device for well casings. D. Scaramucci. 2,257,765; Oct. 7.
Censer. J. P. Koley. 2,258,363; Oct. 7.
Centrifugal pump. C. H. Warman. 2,258,527; Oct. 7.
Chain tightener device. J. H. Murch. 2,257,758; Oct. 7.
Chair. A. E. Gaverth. 2,258,488; Oct. 7.
Charging system for electric lamps. C. G. Talbot and A. H. Townsend. 2,257,866; Oct. 7.
Check with attached receipt, Combination pay. G. V. Hastings. 2,258,206; Oct. 7.
Chloride composition stable to light and heat, Vinylidine. L. A. Matheson, R. F. Boyer, and S. C. Stowe. 2,258,188; Oct. 7.
Chlorinator. C. V. Swearingen. 2,257,865; Oct. 7.
Chuck. W. J. Breth. 2,257,898; Oct. 7.
Chuck and tool holding device. J. C. Collins. 2,258,377; Oct. 7.
Chuck jaw actuating mechanism. H. E. Sloan and G. A. Highberg. 2,257,921; Oct. 7.
Cigarette lifting jack. M. P. and M. C. Austin. 2,258,170; Oct. 7.
Circuit: *See*—
  Coupling circuit. Television receiver video circuit.
  Echo suppressing circuit.
Circuit breaker. R. L. Frank. 2,257,793; Oct. 7.
Circuit breaker, Electric. W. F. Skeats. 2,258,226; Oct. 7.
Circuit breaker mechanism. A. C. Schwager. 2,258,195; Oct. 7.
Circuit breaker mechanism, Motor operated. W. A. Atwood and J. W. Seaman. 2,258,233; Oct. 7.
Circuit breaker operating mechanism. W. A. Atwood and J. W. Seaman. 2,258,232; Oct. 7.
Circuit-controlling apparatus. W. M. Scott, Jr. 2,258,150; Oct. 7.
Circumferentially tightening packing ring. T. Madsen. 2,258,576; Oct. 7.
Clamp: *See*—
  Battery terminal clamp. Edge set jack clamp.
Clamp for core making machines, Core box. W. E. Naylor. 2,258,466; Oct. 7.
Cleaner: *See*—
  Boiler cleaner. Windshield cleaner.
  Motor block cleaner.
Cleaner for typewriter type and the like. N. Dodds. 2,258,547; Oct. 7.
Cleaning apparatus. E. B. Johnson. 2,258,362; Oct. 7.
Clip: *See*—
  Shirt collar clip.
Closure device, Movable. R. E. De Kay. 2,258,002; Oct. 7.
Clutch: *See*—
  Automatic clutch. Drum type clutch.
  Disk clutch. Hydraulic clutch.
Clutch. E. F. Kohl. 2,258,157; Oct. 7.
Clutch. K. Miller. 2,258,296; Oct. 7.
Clutch construction. W. C. Starkey. 2,257,987; Oct. 7.
Clutch means. R. A. Jentsch. 2,257,802; Oct. 7.
Clutch mechanism. F. A. Niemann. 2,257,759; Oct. 7.
Clutch throwout collar. N. F. Adamson. 2,258,345; Oct. 7.
Coat, Outdoorsman's. G. S. Blagden. 2,257,935; Oct. 7.
Coatings, Anchoring. A. Abrams, G. W. Forcey, G. J. Brabender, and W. H. Graebner. 2,258,434; Oct. 7.
Cocktail shaker. B. G. Vigurs. 2,258,524; Oct. 7.
Coil-timer distributor unit. J. T. Fitzsimmons and H. L. Hartzell. 2,257,844; Oct. 7.
Coil winding machine. J. S. Burge and O. K. Gray. 2,257,837; Oct. 7.
Coil with line properties. H. O. Roosenstein. 2,258,261; Oct. 7.
Cold rolling solution. E. F. Harris. 2,258,552; Oct. 7.
Color analysis and color synthesis for the projection of colored pictures in photography and cinematography. I. Ferriguto and A. Moauro. 2,258,380; Oct. 7.
Colorimeter cell, Disposable. D. S. Stevens. 2,258,073; Oct. 7.
Combination tool. C. M. Molinelli. 2,258,514; Oct. 7.
Combustion conditions in gas fired furnaces, Controlling. J. F. Mowat. 2,258,515; Oct. 7.
Communication system. H. J. Nichols. 2,258,124; Oct. 7.
Compacting apparatus and method. A. C. Fischer. 2,257,738; Oct. 7.
Compressor, Electrodynamic. E. F. Sarver. 2,257,862; Oct. 7.
Computing machine. H. G. Johnstone and J. C. Gates. 2,258,290; Oct. 7.
Connector. H. R. Mills. 2,258,365; Oct. 7.
Container: *See*—
  Dispensing container. Ink container.
Container. J. T. Hartnett. 2,257,952; Oct. 7.
Container. W. L. Rutkowski. 2,257,919; Oct. 7.
Containers, Method and apparatus for producing. J. S. Stokes. 2,257,823; Oct. 7.
Control device. P. L. Mikeska. 2,258,258; Oct. 7.
Control mechanism for change speed gearing. G. T. Randol. 2,258,068; Oct. 7.
Control mechanism, Zero printing. H. K. F. Ewald. 2,258,091; Oct. 7.
Control system. H. S. Ogden. 2,258,259; Oct. 7.
Control system, Automatic. T. K. Greenlee. 2,257,742; Oct. 7.
Control system for electric motors. A. Pinto. 2,257,809; Oct. 7.
Control system for engine cooling water. W. E. Dunn. 2,258,089; Oct. 7.
Control valve. R. B. Everson. 2,258,485; Oct. 7.
Controlling device. A. O. Carpenter. 2,258,278; Oct. 7.
Convertible trunk table. J. A. Maxwell. 2,258,364; Oct. 7.
Conveying mechanism. F. M. Carroll. 2,258,109; Oct. 7.
Conveying system. A. L. Stone. 2,258,429; Oct. 7.
Cooking appliance. B. F. Parr and J. R. Heilman. 2,258,144; Oct. 7.
Cooling system, Engine. G. Walter. 2,258,526; Oct. 7.
Coop, Collapsible. R. A. Walker. 2,258,344; Oct. 7.
Core drill. A. C. Catland and P. C. Efromson. 2,258,352; Oct. 7.
Cosmetic sampling device. D. C. Scott. 2,257,981; Oct. 7.
Costume accessory. E. F. Goeller. 2,258,112; Oct. 7.
Couch. J. Martin. 2,257,753–4; Oct. 7.
Coupling: *See*—
  Mining-car bumper coupling.
Coupling circuit. W. van B. Roberts. 2,258,147; Oct. 7.
Coupling for interconnecting flexible members. A. E. Brickman. 2,258,533; Oct. 7.
Coupling from a single to a push-pull line, Means for. W. Buschbeck. 2,258,107; Oct. 7.
Cover: *See*—
  Hatch cover.
Cushion seal bearing. F. M. Young. 2,258,040; Oct. 7.
Cutoff device, Ignition. V. G. Cosner. 2,258,539; Oct. 7.
Cutter: *See*—
  Seed potato cutter. Vegetable cutter.
Cutting implement. C. Klumb. 2,258,387; Oct. 7.
Cutting knife support. A. F. Shields. 2,257,818; Oct. 7.
Cyanamide condensation product, Monoalkylol. W. P. Ericks. 2,258,320; Oct. 7.
Cylinder, Master. F. L. Main. 2,258,257; Oct. 7.
Cylinder, Master. S. Schnell. 2,258,034; Oct. 7.
Damper control. L. White, R. H. Hodgson, R. H. White, and B. H. Jones, Jr. 2,258,373; Oct. 7.
Damper mechanism, Thermostatic. M. Fisher. 2,258,506; Oct. 7.
Dams, Forming. C. E. Bennett and F. C. Meyer. 2,257,727; Oct. 7.
Denaturant. H. M. Kvalnes. 2,258,414; Oct. 7.
Dental chair appliance. W. Slutzky. 2,258,126; Oct. 7.
Dentist's casting machine. H. H. Samuels. 2,257,861; Oct. 7.
Denture retainer, Artificial. G. D. Irwin. 2,258,207; Oct. 7.
Derrick anchorage. H. J. Troche. 2,257,873; Oct. 7.
Derrick, Automatic portable. G. Haniquet. 2,258,383; Oct. 7.
Desk pad, Concealable. M. E. Trollen. 2,258,306; Oct. 7.
Desludging device. V. I. Moncrieff. 2,258,463; Oct. 7.
Desk support. W. J. Bargen. 2,258,532; Oct. 7.
Desk, Typewriter. J. H. White. 2,258,372; Oct. 7.
Device for conveying packages. W. Brunnhoelzl. 2,257,937; Oct. 7.
Device for inserting liners in typecasting molds. C. A. Klise. 2,258,060; Oct. 7.
Device for producing rapidly flying ions. W. Schütze. 2,258,149; Oct. 7.
Dial test indicator mounting, Adjustable. J. O. Coleman. 2,258,175; Oct. 7.
Diamond working process. A. Bergmann, W. Dawihl, and O. Fritsch. 2,258,480; Oct. 7.
Diaphragm for electronic-optical phase lenses. E. Brüche and A. Recknagel. 2,258,129; Oct. 7.

Dibromobenzenes, Mixture of isomeric ethyl. R. R. Dreisbach. 2,257,903; Oct. 7.
Direction finding system. H. Eggers. 2,258,006; Oct. 7.
Directional device, Vertical. R. C. Baker. 2,257,996; Oct. 7.
Dirt moving machine. G. A. Vaughn. 2,257,992; Oct. 7.
Discharge apparatus and circuits, Electron. F. Gray. 2,257,795; Oct. 7.
Discharge device, Electrical. E. D. McArthur. 2,258,254; Oct. 7.
Disk clutch. R. Binder. 2,257,877; Oct. 7.
Dispensing apparatus, Bottle. W. L. Cunningham. 2,258,409; Oct. 7.
Dispensing apparatus, Liquid. R. J. Jauch and H. Somerveil. 2,258,495; Oct. 7.
Dispensing container. R. B. Kingman. 2,258,115; Oct. 7.
Dispensing device. L. M. Harvey. 2,258,358; Oct. 7.
Display binder. E. W. Ericson. 2,258,282; Oct. 7.
Display holder for coins and medals. F. A. Buranelli. 2,258,535; Oct. 7.
Display device, Portable. A. M. Barrett. 2,258,273; Oct. 7.
Display page and card, Losse-leaf stamp. J. G. Herman. 2,257,955; Oct. 7.
Distributor. J. Bohli. 2,257,781; Oct. 7.
Distributor, Nonsegregating. P. B. Richardson. 2,258,516; Oct. 7.
Dome, Antproof. F. G. Clipper. 2,258,317; Oct. 7.
Door: *See*
Dump scow door.
Door or screen. A. A. Van Atta. 2,258,523; Oct. 7.
Draft arrangement. E. P. Kinne. 2,257,909; Oct. 7.
Draft attachment for railway cars. G. T. Johnson. 2,258,208; Oct. 7.
Drafting machine. C. W. Keuffel. 2,258,293; Oct. 7.
Drill: *See*—
Core drill.
Drive for sprocket wheels, Pulley rim. S. A. Martinek. 2,258,513; Oct. 7.
Drive mechanism for axle driven speed responsive devices for railway trains. H. L. Bone and J. W. Livingston. 2,258,349; Oct. 7.
Driving mechanism. J. Velk. 2,258,270; Oct. 7.
Driving wheel. A. L. Lee and J. H. Fletcher. 2,258,328; Oct. 7.
Drum type clutch. H. T. Kraft. 2,257,912; Oct. 7.
Dump scow door. A. Neveling and G. F. Driemeyer. 2,257,885; Oct. 7.
Dye, Blue monazo. H. W. Daudt and D. E. Kvalnes. 2,257,788; Oct. 7.
Echo suppressing circuit. D. Mitchell. 2,257,806; Oct. 7.
Edge set jack clamp. F. W. McKee. 2,258,022; Oct. 7.
Electric contacting element. F. R. Hensel, K. L. Emmert, and J. W. Wiggs. 2,258,492; Oct. 7.
Electric motor. J. Youhouse. 2,258,561; Oct. 7.
Electric protective device for luminous electric discharge tube systems. C. Higgins. 2,257,797; Oct. 7.
Electric roaster. K. L. Woodman. 2,258,145; Oct. 7.
Electric systems, Protection of. L. F. Kennedy. 2,258,250; Oct. 7.
Electric systems, Protection of alternating current. L. F. Kennedy. 2,258,251; Oct. 7.
Electrical apparatus. H. F. Smith. 2,258,427; Oct. 7.
Electrode. G. Adolph and M. E. Bretschger. 2,258,435; Oct. 7.
Electrode control, Automatic electric arc furnace. W. H. Payne. 2,258,468; Oct. 7.
Electrode structure for conductivity testing. S. L. Christie. 2,258,045; Oct. 7.
Electrolytic cell liquor, Purifying. H. L. Davies. 2,258,545; Oct. 7.
Electron discharge device. L. P. Garner. 2,257,794; Oct. 7.
Electron discharge tube. G. J. Weissenberg. 2,257,827; Oct. 7.
Electronic reactance device. K. Rath. 2,258,470; Oct. 7.
Elevator and bagging device for corn shelling machines, Combined. J. Doutrich. 2,258,548; Oct. 7.
Elevator, Unstacking. G. P. Marsden and F. Stebler. 2,258,461; Oct. 7.
Endgate. G. F. Conover. 2,258,203; Oct. 7.
Engine: *See*—
Internal combustion engine.
Engine and the like, Rotary fluid pressure. M. B. Booth. 2,258,504; Oct. 7.
Engine mechanism. J. O. Almen. 2,258,127; Oct. 7.
Engine or compressor, Angular displacement. P. D. Mize. 2,257,884; Oct. 7.
Engraving plate. L. S. Somers. 2,258,520; Oct. 7.
Envelope and check, Series connected. J. Q. Sherman. 2,257,766; Oct. 7.
Envelopes and other articles, Method and apparatus for forming windows in blanks for. A. Winkler and M. Dünnebier. 2,257,829; Oct. 7.
Esters of dibenzanthrone and isodibenzenzanthrone compounds and making them, Alkylcarbonate. A. J. Wuertz and E. C. Tobin. 2,258,400; Oct. 7.
Esters of polyhydric alcohols with vinyl compounds, Polymerization of alpha, beta, unsaturated polycarboxylic acid. J. B. Rust. 2,258,423; Oct. 7.
Ethers from polysaccharide ethers, Monosaccharose. A. J. Barry. 2,258,171; Oct. 7.
Ethers of unsaturated alcohols, Thioammeline. H. A. Bruson. 2,258,130; Oct. 7.
Expansion valve. C. A. L. Merz. 2,258,295; Oct. 7.
Extraction, Process for. A. V. Caselli and A. C. Nixon. 2,258,279; Oct. 7.
Fabrics, Method of and machine for producing. H. H. Holmes and J. C. H. Hurd. 2,258,569; Oct. 7.
Facsimile apparatus. H. C. Ressler. 2,257,918; Oct. 7.
Fall-board structure for pianos or the like. P. M. Gazlay. 2,258,286; Oct. 7.
Fan guard and motor mounting, Combination. T. Hess and R. C. Jepertinger. 2,258,325; Oct. 7.
Fans for air cooled rear engines, Arrangement for. M. Klavik. 2,257,964; Oct. 7.
Fastener. B. C. Place. 2,257,855; Oct. 7.
Fastener with lock washer attached. D. Hoppenstand. 2,257,959; Oct. 7.
Fastening device. G. A. Tinnerman. 2,258,342; Oct. 7.
Fastening, Rail. W. S. Boyce. 2,258,315; Oct. 7.
Feeder: *See*—
Stock feeder.
Fibrous material from waste leather, Making a. R. R. Emmitt and E. L. Schenck. 2,257,726; Oct. 7.
File holder. A. F. Burnell. 2,258,536; Oct. 7.
Filler cap vent valve. H. Kramer and A. N. Milster. 2,258,019; Oct. 7.
Film splicer. J. M. Goldberg. 2,258,356; Oct. 7.
Filter: *See*—
Water filter.
Filtering vessel for coffee and the like. W. J. Fischbein. 2,257,944; Oct. 7.
Fire extinguisher. H. M. Salmond and A. Mathisen. 2,258,102; Oct. 7.
Fishing line and making, Tapered. G. F. Haskell. 2,257,953; Oct. 7.
Flashlight. N. H. Swanson. 2,258,074; Oct. 7.
Flashlight hanger. H. Rothenberg. 2,258,263; Oct. 7.
Flavoring materials, Conserving. C. H. Epstein and N. R. Gotthoffer. 2,258,567; Oct. 7.
Flexible pocket receptacle. W. R. Buxton. 2,258,316; Oct. 7.
Float valve. F. O. Graham. 2,258,450; Oct. 7.
Flocking, Method for. R. E. Fogg. 2,258,092; Oct. 7.
Floor mats, Manufacturing. D. F. Collins. 2,258,238; Oct. 7.
Flotation process. E. H. Hoag. 2,258,507; Oct. 7.
Fluoride, Producing aluminum. L. Kahl. 2,258,412; Oct. 7.
Flowmeter. J. W. McKernon. 2,258,023; Oct. 7.
Fluid pressure generation. R. M. Nardone. 2,258,161; Oct. 7.
Fluids, Control of refrigerating. H. T. Lange. 2,258,458; Oct. 7.
Flush tank valve. P. Dixon. 2,257,839; Oct. 7.
Forging press. D. S. Bell and B. W. Dunham. 2,258,346; Oct. 7.
Formaldehyde solutions, Concentrating. J. E. Bludworth. 2,257,780; Oct. 7.
Forming member. C. J. Davies. 2,258,240; Oct. 7.
Fractures of the human body, Immobilizing composition for. C. O. Padelford. 2,258,142; Oct. 7.
Fractures of the human body, Immobilizing product for. C. O. Padelford. 2,258,143; Oct. 7.
Frame: *See*—
Handbag frame.
Friction element. C. Bocklus and J. A. Cook. 2,258,237; Oct. 7.
Fuel ignition promotors, Organo-metallic Diesel. P. Miller and G. H. Cloud. 2,258,297; Oct. 7.
Fuel, Making motor. D. R. Stevens and W. A. Gruse. 2,258,368; Oct. 7.
Fuel, Production of motor. M. H. Arveson. 2,257,723; Oct. 7.
Fuel pump. J. H. Holloway and M. J. Murphy. 2,258,055; Oct. 7.
Fuel pumping and scavenging mechanism. P. G. Horstman. 2,257,846; Oct. 7.
Fuel shutoff for vehicles, Automatic. J. E. Gray. 2,258,323; Oct. 7.
Furnace: *See*—
Heat treating furnace.
Furnace grate. M. A. Hofft and N. T. Puckett. 2,257,956–7; Oct. 7.
Fuse holder. M. Alden. 2,258,231; Oct. 7.
Game. J. D. Bell. 2,257,934; Oct. 7.
Garment hanger. W. H. Allen. 2,258,199; Oct. 7.
Garments, Making. R. Reiss and H. J. Billings. 2,258,100; Oct. 7.
Gas cock. E. H. Mueller. 2,257,886; Oct. 7.
Gas material, Method and apparatus for dispensing. G. H. Zenner and O. A. Hansen. 2,257,807; Oct. 7.
Gas tube. R. H. Badgley. 2,258,437; Oct. 7.
Gas turbocompressor plant. C. Seippel. 2,257,982; Oct. 7.
Gate: *See*—
Tail gate.
Gauge for lawn mower sharpening devices. J. C. Hornung. 2,258,056; Oct. 7.
Gear grinding machine, Generative. E. W. Miller. 2,257,850; Oct. 7.
Gear lapping machine. W. E. Sykes. 2,257,989; Oct. 7.
Gear speed reducer and the like. W. G. Jones, Jr. 2,257,747; Oct. 7.
Gearing, Engine starter. B. W. Jones. 2,258,455; Oct. 7.

Gearing, Engine starter. R. M. Nardone. 2,258,159; Oct. 7.
Gel, Process of preparing a. W. A. Patrick, Jr. 2,258,099; Oct. 7.
Gem setting. M. Koven. 2,258,413; Oct. 7.
Glass fibers, Apparatus for the manufacture of. G. Slayter and J. H. Thomas. 2,257,767; Oct. 7.
Glass, Manufacture of sheet. P. Magrini. 2,258,118; Oct. 7.
Glass, Manufacture of sheet. H. D. Menoher. 2,258,121; Oct. 7.
Glove. H. Davidsohn. 2,257,939; Oct. 7.
Glucoside ether from polysaccharide ethers. E. V. White. 2,258,168; Oct. 7.
Glycerol monochlorohydrin, Manufacture of. E. C. Britton and H. R. Slagh. 2,257,899; Oct. 7.
Golf balls and the like, Manufacture of. E. Miller. 2,258,331-2-3; Oct. 7.
Goods from vermin, Protecting. E. Schirm. 2,258,556; Oct. 7.
Grate. H. L. Decker. 2,258,280; Oct. 7.
Grease, Method of and apparatus for treating. H. M. Fraser. 2,257,945; Oct. 7.
Grid, Beam. S. Szegö. 2,257,770; Oct. 7.
Grinder, Reciprocal dental. J. E. Scott. 2,258,473; Oct. 7.
Guard, Automatic shaper. C. J. Siegel. 2,257,984; Oct. 7.
Guard, Detachable lamp. R. Popp. 2,258,032; Oct. 7.
Guide and tubing holder, Spiral. J. E. Hall. 2,258,052; Oct. 7.
Guide, Drawer. L. Stickley. 2,257,822; Oct. 7.
Guide, Rod or cable. W. N. Edwards. 2,258,177; Oct. 7.
Gyratory apparatus. S. D. Robins. 2,258,217; Oct. 7.
Gyrocompass, Air borne. F. D. Braddon. 2,257,730; Oct. 7.
Halide, Triazyl sulphur. W. E. Messer. 2,257,974; Oct. 7.
Handbag frame. G. Laubenstein. 2,258,498; Oct. 7.
Handle for vacuum cleaners and the like. H. T. Lang. 2,258,252; Oct. 7.
Hanger: *See*—
Flashlight hanger. Spring sash hanger.
Garment hanger.
Hardness testing machine. C. E. Smith. 2,258,424; Oct. 7.
Harrow, Drag. W. L. Zink. 2,258,433; Oct. 7.
Hatch cover. C. W. King. 2,257,776; Oct. 7.
Heat and chemicals from black liquor, Method and apparatus for the recovery of. V. P. Owens. 2,258,467; Oct. 7.
Heat exchange apparatus. C. Field. 2,257,904; Oct. 7.
Heat treating and drawing fixture. V. F. Zahodiakin. 2,258,039; Oct. 7.
Heat treating furnace. S. K. Wellman. 2,258,431; Oct. 7.
Heater: *See*—
Automobile heater. Water heater.
Heater. E. E. Hans. 2,258,324; Oct. 7.
Heater. S. Moricl, P. P. Belvedere, and E. Blom. 2,257,756; Oct. 7.
Heater for internal combustion engine cooling water. S. Moricl and P. P. Belvedere. 2,257,755; Oct. 7.
Heating of fluids. M. W. Barnes. 2,258,235; Oct. 7.
Heating system. K. P. Brace. 2,258,042; Oct. 7.
Heating system. H. R. Crago. 2,258,239; Oct. 7.
Heating system. R. E. Moore. 2,258,336; Oct. 7.
Heating system, Steam. C. I. Hall. 2,258,245; Oct. 7.
Heating unit, Fluid. C. S. Smith and C. B. Baver. 2,257,821; Oct. 7.
Heel, Rubber. D. Piciulo. 2,258,419; Oct. 7.
High altitude chamber. J. A. Heidbrink. 2,258,054; Oct. 7.
High pressure switch. J. Russell. 2,257,816; Oct. 7.
Hinge construction for hatchway covers. W. R. Edmister. 2,257,791; Oct. 7.
High speed thrust bearing. J. M. Shimer. 2,258,267; Oct. 7.
Hinge structure. S. De Orlow. 2,258,065; Oct. 7.
Hip rest. E. M. Larkin. 2,257,848; Oct. 7.
Hoist guide lubricator, Automatic. P. Kuncis. 2,257,803; Oct. 7.
Holder: *See*—
Bobbin holder. Guide and tubing holder.
Bottle holder. File holder.
Fuse holder.
Holding means for impact plates. E. B. Symons. 2,258,075; Oct. 7.
Hook: *See*—
Snap hook.
Hot top. W. M. Charman. 2,258,483; Oct. 7.
Hub and wheel structure for fans or blowers. F. G. Marbach. 2,258,459; Oct. 7.
Husbandry system. F. D. Cornell. 2,257,734; Oct. 7.
Hydraulic brake. C. E. Richards. 2,257,857; Oct. 7.
Hydraulic clutch. A. Ronning. 2,258,302; Oct. 7.
Hydraulic governor. A. Folgmann. 2,258,136; Oct. 7.
Hydraulic operator. E. J. Hull. 2,258,493; Oct. 7.
Hydrocarbon distillates, Treatment of. W. W. Johnstone. 2,258,249; Oct. 7.
Hydrocarbon fluids, Separating. P. C. Keith, Jr., L. R. Hill, and G. J. Robertson. 2,258,015; Oct. 7.
Hydrocarbon fluids, Treating. P. C. Keith, Jr., and L. R. Hill. 2,258,016; Oct. 7.
Hydrocarbon products, Producing hydrogenated liquid. R. Leprestre. 2,258,511; Oct. 7.
Hydrocarbons, Catalytic treatment of. W. A. Yarnall. 2,257,896; Oct. 7.
Hydrocarbons to separate the acidic content, Treatment of oxidized. A. Mertens, W. Lange, and L. Mannes. 2,258,500; Oct. 7.
Hydrocarbons, Treatment of. W. L. Benedict and L. S. Kassel. 2,258,236; Oct. 7.
Ice-inhibiting composition. F. P. Keenoy. 2,258,184; Oct. 7.
Ignition control system. E. M. Claytor. 2,257,838; Oct. 7.
Illuminated vanity case. G. M. Cressaty. 2,258,540–1–2–3–4; Oct. 7.
Illuminating device for enlarging or projecting apparatus. K. Kallusch. 2,258,014; Oct. 7.
Image suppressor. H. C. Forbes. 2,258,137; Oct. 7.
Impurities from wines and other acid beverages, Removal of metallic. W. D. Ramage. 2,258,216; Oct. 7.
Indicating means, Tire deflation. F. A. Miller. 2,258,334; Oct. 7.
Indicating mechanism. W. F. Ridgway. 2,257,764; Oct. 7.
Indicator: *See*—
Tire deflation indicator.
Ink container. J. H. Oxley. 2,258,030; Oct. 7.
Ink pad. J. M. Miller. 2,258,501; Oct. 7.
Inserting machine. F. W. Barkley. 2,258,479; Oct. 7.
Instruction device, Scheduled. B. G. Vigurs. 2,258,525; Oct. 7.
Instrument for examining body cavities. G. Wolf. 2,258,083; Oct. 7.
Insulating material, Electrical. W. B. MacKenzie. 2,258,256; Oct. 7.
Insulating unit for pipe couplings and the like, Removable. P. S. Denning. 2,258,176; Oct. 7.
Insulation, Electrical. W. B. MacKenzie. 2,258,255; Oct. 7.
Internal combustion engine. R. M. Nardone. 2,258,160; Oct. 7.
Iron: *See*—
Pressing iron.
Ironing machine structure. J. J. McCabe and W. G. Brittain. 2,258,499; Oct. 7.
Jack: *See*—
Cigarette lifting jack.
Japanese beetle, Method for the control of. S. R. Dutky. 2,258,319; Oct. 7.
Joint: *See*—
Pipe joint. Safety electric joint.
Joint. H. C. Lord. 2,257,804; Oct. 7.
Kerf-cutting machine. E. J. Doberstein. 2,258,049; Oct. 7.
Ketoximes, Preparation of. W. H. Hill and E. L. Kropa. 2,257,908; Oct. 7.
Kiln lining, Rotary. C. J. Scovron. 2,258,518; Oct. 7.
Kitchen cabinet. C. B. Parsons. 2,257,888; Oct. 7.
Labeling mechanism. S. T. Carter. 2,257,785; Oct. 7.
Ladders, Attachment for. H. Schwarz and C. A. Ellers. 2,257,863; Oct. 7.
Ladle. L. M. Johnson. 2,258,058; Oct. 7.
Lamina for assembled piston rings. W. E. Amberg. 2,258,109; Oct. 7.
Lamp. P. C. Calissi. 2,258,108; Oct. 7.
Lamp changing apparatus. J. R. MacKay. 2,258,575; Oct. 7.
Lamp device, Gaseous electric discharge. A. Ruttenauer and O. Fritze. 2,258,472; Oct. 7.
Lamp cathode, Electric discharge. E. F. Lowry. 2,258,158; Oct. 7.
Lamp harp. K. Berger. 2,257,778; Oct. 7.
Lapping machine, Crankshaft. H. S. Indge. 2,258,571; Oct. 7.
Larvacide and preparing same. W. D. Martin. 2,258,390; Oct. 7.
Lathe, Automatic. C. M. Bosworth. 2,257,729; Oct. 7.
Lathe grinding attachment. B. E. Sherrill. 2,258,071; Oct. 7.
Lighter, Pyrophoric. L. Bolle. 2,258,086; Oct. 7.
Lighting apparatus. L. C. Doane. 2,258,353; Oct. 7.
Lighting system. W. J. Rady. 2,257,856; Oct. 7.
Link feed apron. R. L. Sjostrom. 2,258,035; Oct. 7.
Liquid at a controlled rate, Continual dispensation of. R. N. Park. 2,258,338; Oct. 7.
Liquid dispensing apparatus. J. C. Woodford and J. E. Fernly. 2,257,895; Oct. 7.
Liquid-fuel burner. K. P. Brace. 2,258,043; Oct. 7.
Liquid flow control apparatus. L. D. Walter. 2,258,271; Oct. 7.
Liquids from pulp production and the like, Treatment of waste. J. P. Badenhausen. 2,258,401; Oct. 7.
Loading machine, Separator. R. H. Cramer. 2,258,048; Oct. 7.
Lock: *See*—
Meter lock. Nut lock.
Lock. R. L. Gray. 2,257,741; Oct. 7.
Locking device for adjustable railroad braces. W. E. Olds. 2,257,853; Oct. 7.
Locomotive, Articulated. O. Jabelmann. 2,258,572; Oct. 7.
Loom shuttle. G. Lepage. 2,257,968; Oct. 7.
Loom with stationary weft supplies. C. Clutsom. 2,258,538; Oct. 7.

Lubricant. L. G. Burns. 2,258,202; Oct. 7.
Lubricant. C. M. Loane and B. H. Shoemaker. 2,257,969; Oct. 7.
Lubricant. J. C. Zimmer. 2,258,309; Oct. 7.
Lubricant, Colored. L. Silverman. 2,257,820; Oct. 7.
Lubricant for the lubrication of ball bearings and similar antifriction bearings. A. J. Morway and A. Beerbower. 2,258,301; Oct. 7.
Lubricant, Solid. A. J. Morway and J. C. Zimmer. 2,258,300; Oct. 7.
Lubricating apparatus. E. W. Davis. 2,257,725; Oct. 7.
Lubricating composition. R. G. Sloane. 2,257,890; Oct. 7.
Lubricator: *See*—
Hoist guide lubricator. Mold blade lubricator.
Luminaire. L. C. Doane. 2,258,354; Oct. 7.
Machine for making small arm ammunition. T. J. Matthews. 2,258,577; Oct. 7.
Machine for operating upon shoes. C. M. Bagshaw. 2,257,832; Oct. 7.
Machine for shaping and sealing filled paper bags. H. Anderson. 2,257,777; Oct. 7.
Machine for shaping uppers over lasts. H. E. Elliott. 2,257,842; Oct. 7.
Magnesium by means of thermic reduction, Production of. L. Amati. 2,258,374; Oct. 7.
Magnesium vapors, Condensing. R. C. Kirk. 2,257,910; Oct. 7.
Magnetic inspection unit. N. K. Ferrier. 2,257,736; Oct. 7.
Magnetic testing. C. E. Betz. 2,258,274; Oct. 7.
Magneto for model engines. E. Vollenweider. 2,258,503; Oct. 7.
Marking and perforating machine, Ink. S. E. Rosenberg. 2,258,471; Oct. 7.
Mask for multicolor film, Integral. L. D. Mannes, L. Godowsky, Jr., and L. S. Wilder. 2,258,187; Oct. 7.
Match stand and snuffer, Combination. I. H. Dube. 2,258,004; Oct. 7.
Material handling apparatus. E. G. Robinson. 2,258,125; Oct. 7.
Material unwinding device. V. W. Siebs. 2,258,153; Oct. 7.
Mattress. J. E. Zofnass. 2,257,994; Oct. 7.
Measuring and controlling apparatus. H. H. Gorrie. 2,257,905; Oct. 7.
Measuring device. H. W. Russ. 2,257,860; Oct. 7.
Measuring or gauge device. M. J. Johnson. 2,258,113; Oct. 7.
Mercury arc converter. D. H. Donaldson and H. T. Ramsay. 2,257,790; Oct. 7.
Metal coils, Formation of. S. Nyberg. 2,257,760; Oct. 7.
Metal shot, Production of. J. H. Brennan. 2,257,878; Oct. 7.
Metallurgical apparatus. J. O. Betterton and C. Gall. 2,258,481; Oct. 7.
Meter lock. J. A. Humphreys. 2,258,183; Oct. 7.
Method and apparatus for coating articles. G. Goebel and H. A. Rau. 2,257,740; Oct. 7.
Method and apparatus for recording waves. E. E. Rosaire and F. M. Kannenstine. 2,257,859; Oct. 7.
Methyl aryl silicones and insulated conductors and other products utilizing the same. E. G. Rochow. 2,258,222; Oct. 7.
Methyl silicones and related products. E. G. Rochow. 2,258,218; Oct. 7.
Mining car bumper coupling. W. L. Brock and W. F. Jones. 2,258,534; Oct. 7.
Modulation. R. Hofer. 2,257,799; Oct. 7.
Moisture condensation upon refrigerator windows, Preventing. J. P. Green. 2,257,948; Oct. 7.
Mold blade lubricator, Monotype. W. E. Blake. 2,257,779; Oct. 7.
Mold closing mechanism. H. Gastrow. 2,258,093; Oct. 7.
Molding apparatus. H. B. Morris and J. N. Street. 2,258,025; Oct. 7.
Molding, Edge. W. L. Bonnell. 2,258,314; Oct. 7.
Molds, Electroforming method of making. A. C. Dunn. 2,258,579; Oct. 7.
Motor: *See*—
Electric motor. Sealed electric motor.
Rotary motor.
Motorcycle, Side car. A. Von Falkenhausen. 2,258,397; Oct. 7.
Motor block cleaner, Automatic. F. C. Arey and D. E. Hibner, Jr. 2,258,562; Oct. 7.
Motor for rock drills, Feeding. W. A. Smith, Jr. 2,257,889; Oct. 7.
Motor vehicle. F. C. Best. 2,257,835; Oct. 7.
Motor vehicle. C. R. Paton. 2,258,067; Oct. 7.
Motor vehicle accessory. E. C. Horton. 2,258,009; Oct. 7.
Motor vehicle propulsion. A. M. Wolf. 2,257,772; Oct. 7.
Mounting: *See*—
Dial test indicator mounting. Ophthalmic mounting.
Wheel mounting.
Mounting for vibratory bodies, Resilient. J. F. Frese. 2,258,550; Oct. 7.
Mounting of cylindrical lenses. L. T. Sachtleben. 2,258,223; Oct. 7.
Mouthpiece. R. Adkins. 2,258,312; Oct. 7.
Mower attachment, Sickle. E. L. Rose. 2,258,517; Oct. 7.
Mulling apparatus. W. F. Piper. 2,258,392; Oct. 7.
Multiplier, Power. R. L. Snyder. 2,257,985; Oct. 7.
Multispool reeling machine. S. Minorikawa. 2,257,851; Oct. 7.
Musical instrument. N. B. Abrams and W. J. Mills. 2,257,995; Oct. 7.
Musical instrument, Electrical. G. W. Demuth 2,258,241; Oct. 7.
Nail manicure machine. E. A. Jeannotte. 2,258,012; Oct. 7.
Needle motion and thread control therefor, Axminster. O. V. Payne. 2,258,193; Oct. 7.
Needle motion for looms. O. V. Payne. 2,258,191; Oct. 7.
Needle operating mechanism for Axminster looms. O. V. Payne. 2,258,192; Oct. 7.
Negatives in metal of metal surfaces, Making. H. S. Ingham and A. P. Shepard. 2,258,451; Oct. 7.
Negatives in metal of solid objects or surfaces, Making. H. S. Ingham and A. P. Shepard. 2,258,452; Oct. 7.
Nitriles, Preparation of omega-amino. G. W. Rigby. 2,257,814; Oct. 7.
Nitro compounds, Manufacture of aliphatic unsaturated. H. Schwarz and J. Nelles. 2,257,980; Oct. 7.
Nozzle for thermochemically forming a groove in a fibrous metal body, Blowpipe. E. P. Jones. 2,258,456; Oct. 7.
Nut lock. F. Hinds. 2,258,181; Oct. 7.
Nut, Sheet metal. H. W. Kost. 2,258,555; Oct. 7.
Oil burner. F. B. Behee. 2,257,834; Oct. 7.
Oil carburetor. D. Firth and J. E. Storer, Jr. 2,258,486; Oct. 7.
Oil composition, Insulating. C. E. Trautman. 2,257,871–2; Oct. 7.
Oil compositions, Insulating. C. E. Trautman. 2,257,869; Oct. 7.
Oil, Desulphurizing petroleum. T. F. McCormick. 2,258,512; Oct. 7.
Oil, Insulating. C. E. Trautman. 2,257,870; Oct. 7.
Oil, Lubricating. B. H. Lincoln and G. D. Byrkit. 2,257,750–2; Oct. 7.
Oiling system for gearing. R. S. Taylor. 2,258,077; Oct. 7.
Oils, Purification of acid treated. S. R. Merley. 2,257,914; Oct. 7.
1-amino - 4-(4' - hydroxy) - phenylamino anthraquinone, Manufacture of. P. Grossmann. 2,258,551; Oct. 7.
Opener, Wrapper. C. J. Smith and A. W. Nelson. 2,258,036; Oct. 7.
Ophthalmic mounting. J. J. Pomeranz. 2,257,812; Oct. 7.
Ophthalmic mounting. J. J. Pomeranz and V. Tanasso. 2,257,810–11; Oct. 7.
Optical device, Electronic. M. von Ardenne. 2,257,774; Oct. 7.
Oscillator, Hydraulic. L. F. Moody. 2,258,464; Oct. 7.
Overshoe, Rubber. J. de Noronha. 2,257,901–2; Oct. 7.
Oxides, Manufacture of antimony. A. R. Bozarth. 2,258,441; Oct. 7.
Pack, Manifolding. A. A. Johnson. 2,258,573; Oct. 7.
Packing and gland structure, Unitary. C. R. Neilon. 2,258,190; Oct. 7.
Pad: *See*—
Desk pad. Ink pad.
Paintbrush. L. S. Hewes. 2,258,361; Oct. 7.
Panel and joist. N. L. Paves. 2,257,762; Oct. 7.
Paper replenishing mechanism for rotary printing presses. R. R. Miller. 2,258,298; Oct. 7.
Peeler, sectionizer, and grapefruit preparing tool, Orange. F. A. Gesell. 2,258,448; Oct. 7.
Perfume fixative. M. S. Carpenter. 2,258,132; Oct. 7.
Petroleum emulsions, Breaking. R. B. Barnes. 2,257,997; Oct. 7.
Petroleum products, Treatment of. A. N. Sachanen and R. C. Hansford. 2,257,920; Oct. 7.
Phase corrector for telegraph systems. E. R. Shenk. 2,258,151; Oct. 7.
Photoelectric device. H. G. Lubszynski and L. Klatzow. 2,258,294; Oct. 7.
Photoelectric device for indicating speed. W. C. Stevenson. 2,258,369; Oct. 7.
Phototube for translation of images. M. von Ardenne. 2,258,436; Oct. 7.
Pickle liquor or the like, Treatment of spent. F. C. Abbott. 2,258,310; Oct. 7.
Picture projection screen and manufacture thereof, Translucent. B. M. Bodde. 2,257,999; Oct. 7.
Pigment, Manufacture of black. P. D. Barton. 2,258,438; Oct. 7.
Pipe joint. J. A. Curtis. 2,258,135; Oct. 7.
Pipe joint. E. Oyen. 2,258,066; Oct. 7.
Pipe union. P. Wurzburger. 2,258,528; Oct. 7.
Piston machine with rotor of yieldable material, Rotary. K. Wernert. 2,258,371; Oct. 7.
Plants, Promoting the growth of. F. D. Jones. 2,258,291; Oct. 7.
Plants, Regulating the growth of. F. D. Jones. 2,258,292; Oct. 7.
Plate for radiographs, Identifying. H. D. Belknap. 2,257,933; Oct. 7.
Plating rack. J. Novitsky. 2,258,391; Oct. 7.
Plug and jack construction. H. B. Stoner and R. W. Phillips. 2,258,269; Oct. 7.

Plug for use in wells. N. F. Brown. 2,257,784; Oct. 7.
Pneumatic control instrument. P. F. Shivers. 2,258,559; Oct. 7.
Polyamide composition. G. T. Vaala. 2,257,825; Oct. 7.
Polysulphanilamidoaromatic, polysulphanilamidoaliphatic and related compounds and making them. E. H. Northey and M. E. Hultquist. 2,258,162; Oct. 7.
Power plant and operating said power plant, High speed steam. W. D. La Mont. 2,257,749; Oct. 7.
Power transmission. A. C. Durdin, Jr. 2,258,005; Oct. 7.
Power transmission. H. F. Vickers. 2,258,307; Oct. 7.
Power-transmission mechanism. H. Sinclair. 2,258,475; Oct. 7.
Pregnendione and intermediates obtained thereby, Manufacture of. A. Butenandt. 2,258,131; Oct. 7.
Press: *See*—
Forging press. Punch press.
Pressing iron. S. Dowinsky. 2,258,446; Oct. 7.
Pressure device for the flints of lighters. L. Bolle. 2,258,085; Oct. 7.
Pressure regulator for fluids. J. A. Peterson. 2,257,854; Oct. 7.
Pressure responsive device. L. A. Taylor. 2,258,229; Oct. 7.
Printing device, Finger. S. E. Miller. 2,258,330; Oct. 7.
Printing device, Portable. G. G. Gruettner. 2,257,949; Oct. 7.
Printing machine for margarine or the like. K. G. Heft, E. J. Rapp, and L. D. Dority. 2,258,288; Oct. 7.
Projector, Light. J. F. Jaros. 2,257,881; Oct. 7.
Projector, Mechanical constant speed. S. L. Clothier. 2,257,938; Oct. 7.
Propeller stern bearing. H. A. Witteman. 2,258,399; Oct. 7.
Propeller, Variable-pitch. C. Keller. 2,258,094; Oct. 7.
Propeller, Variable pitch. C. L. Moorman. 2,257,976; Oct. 7.
Protector: *See*—
Cable sheath protector.
Pump: *See*—
Centrifugal pump. Rotary pump.
Fuel pump.
Pump. R. M. Watson. 2,258,155; Oct. 7.
Punch press. W. S. Sawle. 2,258,070; Oct. 7.
Race rings for bearings, Machine for treating. O. Storz. 2,258,037; Oct. 7.
Rack: *See*—
Plating rack.
Radio altimeter, Frequency-modulated. I. Wolff and R. C. Sanders, Jr. 2,257,830; Oct. 7.
Radio compass navigation apparatus. F. L. Moseley. 2,257,757; Oct. 7.
Rail bond. E. J. Sabol. 2,258,101; Oct. 7.
Rail lubricating apparatus. L. P. Winby and G. C. Hurrell. 2,258,082; Oct. 7.
Railroad passenger car. S. V. Fullaway. 2,257,946; Oct. 7.
Railway car axle bearing. O. J. Horger. 2,258,570; Oct. 7.
Razor blade, Safety. D. Strauss. 2,258,197; Oct. 7.
Razor, Safety. D. Strauss. 2,258,198; Oct. 7.
Recammer, Piston. D. J. Wherry. 2,258,476; Oct. 7.
Receptacle: *See*—
Flexible pocket receptacle.
Receptacle closure. A. T. Thompson. 2,258,522; Oct. 7.
Recoiler for metal strips. A. J. R. Greer. 2,257,743; Oct. 7.
Recorder, Unit. A. G. Beal. 2,257,998; Oct. 7.
Recovery process. R. F. Cockerill. 2,258,444; Oct. 7.
Rectifier. W. H. Bennett. 2,257,728; Oct. 7.
Refrigerating apparatus. H. B. Hull. 2,257,801; Oct. 7.
Refrigerating apparatus. J. W. Jacobs. 2,257,847; Oct. 7.
Refrigerating apparatus. F. Lago. 2,258,415; Oct. 7.
Refrigerating apparatus. H. F. Smith. 2,258,425–6; Oct. 7.
Refrigerating system, Absorption. N. Erland af Kleen. 2,257,735; Oct. 7.
Refrigeration. B. C. Shipman. 2,257,983; Oct. 7.
Refrigeration. W. W. Soroka. 2,257,986; Oct. 7.
Refrigeration. H. M. Ullstrand. 2,257,874; Oct. 7.
Refrigeration control system with relative humidity control. A. B. Newton. 2,258,029; Oct. 7.
Refrigerator cabinet. G. Maiuri. 2,257,973; Oct. 7.
Refrigerator car. W. E. Baillie. 2,258,402; Oct. 7.
Refrigerator car. C. D. Bonsall. 2,258,404; Oct. 7.
Refrigerator car construction. C. D. Bonsall. 2,258,403; Oct. 7.
Refrigerator, Domestic. C. G. Vretman. 2,257,924–5; Oct. 7.
Regulating system. C. A. Otto. 2,258,366; Oct. 7.
Reinforced article. R. C. Pierce. 2,258,031; Oct. 7.
Reinforcing means for radiator tubes. F. M. Young. 2,258,041; Oct. 7.
Relay. J. F. Merkel. 2,258,122–3; Oct. 7.
Relief valve. R. E. Moore. 2,258,335; Oct. 7.
Remote control system. C. S. Snavely, A. B. Miller, and R. H. Tunell. 2,258,341; Oct. 7.
Remote metering and position indicator. G. E. Petterson. 2,257,763; Oct. 7.
Reservoir, Breather. C. A. Ellis. 2,257,941; Oct. 7.
Resetting mechanism. W. H. Robertson. 2,257,858; Oct. 7.
Resinous materials and insulated conductors and other products utilizing the same. E. G. Rochow. 2,258,220; Oct. 7.
Resins, Making stable vinyl. J. Dahle. 2,258,410; Oct. 7.
Ring closure by means of hydrofluoric acid, Effecting. J. M. Tinker, V. M. Weinmayr, and A. L. Linch. 2,258,394; Oct. 7.
Rock duster and method. E. Lamb and S. H. Ash. 2,258,117; Oct. 7.
Rigging, Brake. E. G. Mueller. 2,258,337; Oct. 7.
Road building machine. P. B. Halvorson. 2,258,205; Oct. 7.
Roaster. F. W. Carpenter. 2,258,482; Oct. 7.
Rod withdrawing tool. R. J. Kent. 2,257,963; Oct. 7.
Roll clearer, Drawing. E. M. Presley. 2,258,033; Oct. 7.
Roll from copolymer, Pressure. W. J. Sparks and R. M. Thomas. 2,258,268; Oct. 7.
Roller and sod conditioner. W. F. Krenzke. 2,258,061; Oct. 7.
Roller construction, Corrugating. H. W. Bruker. 2,258,443; Oct. 7.
Roof structure. S. Szegö. 2,257,769; Oct. 7.
Roof valley. J. D. Tennison. 2,258,078; Oct. 7.
Roofing, Sheet metal. G. J. Key. 2,258,509; Oct. 7.
Rotary fluid pump or motor. M. E. Estey. 2,258,379; Oct. 7.
Rotary motor, Reversible. P. Van Sittert, L. G. Speth, and J. H. Engeln. 2,257,892–3; Oct. 7.
Rotary pump. H. Leopold and C. V. Copeland. 2,258,416; Oct. 7.
Rotor. T. Tognola. 2,257,824; Oct. 7.
Safety device, Thermoelectric. G. Wünsch and J. Schuppert. 2,257,927; Oct. 7.
Safety electric joint. D. H. Zellers. 2,257,775; Oct. 7.
Safety means. S. Chuma. 2,258,133; Oct. 7.
Salts from solutions, Recovery of potassium. W. Fleischer and J. Kielland. 2,258,381; Oct. 7.
Sand, Purification of. D. S. Phelps. 2,257,808; Oct. 7.
Scale, Weighing. M. A. Weckerly. 2,258,081; Oct. 7.
Scanning method. A. E. Adams. 2,258,311; Oct. 7.
Scraper, Film. J. M. Bing. 2,258,313; Oct. 7.
Scraper, Wheeled. T. R. Paulsen. 2,257,761; Oct. 7.
Screen for hammer mills, Adjustable. H. B. Calkins. 2,258,537; Oct. 7.
Screen for photography in relief. A. H. J. de L. Saint Genies. 2,258,164; Oct. 7.
Screens, Manufacturing wire. L. A. Young. 2,257,993; Oct. 7.
Screwhead. G. J. Holt. 2,258,326; Oct. 7.
Sealed electric motor. T. G. Myers. 2,258,064; Oct. 7.
Sealing machine, Ampoule. F. Cozzoli. 2,258,408; Oct. 7.
Seat: *See*—
Ski seat.
Seat structure for motor vehicles and the like, Adjustable. J. G. Mathé and G. W. Hipsley. 2,258,119; Oct. 7.
Securing device for connecting flexible members together. F. M. and J. H. Lund. 2,258,417; Oct. 7.
Seed potato cutter. E. Martin. 2,258,096; Oct. 7.
Self-lubricating bearing. E. H. Piron. 2,258,420; Oct. 7.
Separator: *See*—
Air separator.
Separator device, Duplex electromagnetic. A. L. J. Queneau. 2,258,194; Oct. 7.
Sewage treatment. O. Ward. 2,258,398; Oct. 7.
Sewing machine. O. R. Haas. 2,257,950; Oct. 7.
Sewing machines, Stitch regulating mechanism for. L. O. Garwin and C. E. Colegrove. 2,258,487; Oct. 7.
Shaft bearing and coupling, Combined. H. W. Rubinstein. 2,257,979; Oct. 7.
Shear. F. C. Biggert, Jr. 2,258,347–8; Oct. 7.
Shear, Reciprocating. M. P. Sieger. 2,258,339; Oct. 7.
Sheet, Coated metallic. A. A. Kramer. 2,258,327; Oct. 7.
Sheet feeding mechanism. W. B. Payne. 2,257,843; Oct. 7.
Shelf. C. W. Johnson. 2,258,057; Oct. 7.
Sheller, Corn. W. A. Hyland and G. R. Louthan. 2,258,494; Oct. 7.
Shipping drums with hoops therefor, Nesting. P. F. Fish. 2,258,285; Oct. 7.
Shirt band. E. W. Wilson. 2,257,922; Oct. 7.
Shirt collar clip. E. S. Little. 2,258,389; Oct. 7.
Shoe. F. Schwartz. 2,258,265; Oct. 7.
Shoe device, Antiskid. L. K. Frolich. 2,258,322; Oct. 7.
Shoe sole, Trimming machine. P. W. Valentine. 2,257,826; Oct. 7.
Shovel, Excavating. W. Baker, D. W. Lehti, and L. H. Crow. 2,258,478; Oct. 7.
Signal: *See*
Surgical emergency signal. Vehicle signal.
Silencer for water hammer. J. Podolsky. 2,258,469; Oct. 7.
Sizer, Quick change fruit. G. P. Marsden and E. A. Verrinder. 2,258,460; Oct. 7.
Ski. J. N. O. Clement. 2,258,046; Oct. 7.
Ski seat. R. M. Wood. 2,257,831; Oct. 7.
Sleeper for rail tracks. W. Bäseler, H. Zangl, and J. Dietrich. 2,257,833; Oct. 7.
Slide-fastener link. K. Henkels. 2,257,954; Oct. 7.
Slug casting machine. P. Hilpman. 2,257,845; Oct. 7.
Smoke eliminator. C. E. Alexander. 2,257,931; Oct. 7.
Snap hook. J. C. Baird. 2,258,200; Oct. 7.
Socket for pin base lamps and tubes. N. Chirelstein. 2,257,786; Oct. 7.

Sole trimming and channeling machine. C. L. Flindt. 2,257,739; Oct. 7.
Solenoid device. A. G. Stimson. 2,258,228; Oct. 7.
Sorting machine for records. M. Maul. 2,258,120; Oct. 7.
Spark plug tester. C. F. Holcombe. 2,257,958; Oct. 7.
Speed transmission device, Variable. D. Heyer. 2,257,744; Oct. 7.
Spinning machine spindle and operating same. C. M. Neal and J. A. Kennedy. 2,258,028; Oct. 7.
Sponge and method of treating. H. T. Kraft. 2,257,911; Oct. 7.
Spool or reel. R. V. Olson. 2,258,580; Oct. 7.
Sprayer. C. R. Morse. 2,257,807; Oct. 7.
Spring sash hanger. A. A. Larson. 2,258,062; Oct. 7.
Sprocket. H. H. Shores. 2,258,225; Oct. 7.
Stabilizing means for motor vehicles. A. M. Wolf. 2,257,773; Oct. 7.
Stacker for pallet skids and the like, Portable. R. Hastings, Jr. 2,258,180; Oct. 7.
Stand for coffee makers. H. Cory. 2,258,484; Oct. 7.
Steel heat treatment, Hardenable. H. J. Elmendorf and H. A. Brown. 2,258,566; Oct. 7.
Stitcher. J. T. Wright. 2,258,477; Oct. 7.
Stock feeder. H. C. Bostwick and E. C. Kastner. 2,258,350; Oct. 7.
Stool, Step. L. C. Watling. 2,257,926; Oct. 7.
Stone crusher. L. H. Kessler. 2,258,059; Oct. 7.
Stop mechanism for automatic molding machines, Safety. L. P. Clark, Jr. 2,257,732; Oct. 7.
Storage and like equipment. H. Auger and W. E. Pearson. 2,258,530; Oct. 7.
Stove, Liquid fuel. M. Resek and J. A. Dahlstrom. 2,257,813; Oct. 7.
Strain reliever for electrical conductors. G. Walker. 2,258,343; Oct. 7.
Structural element. A. M. Hull. 2,258,247; Oct. 7.
Stuffing box. A. C. Hollatz. 2,258,008; Oct. 7.
Subterranean boring. L. C. Chamberlain. 2,258,001; Oct. 7.
Sulphides and products resulting, Hydrogenation of aryl. F. K. Signaigo. 2,257,819; Oct. 7.
Sulphur from hydrogen sulphide, Production of. E. D. Stirlen. 2,258,305; Oct. 7.
Support: *See*—
Cutting knife support. Desk support.
Support for ophthalmic mountings, Guard. W. C. Krapp. 2,257,966; Oct. 7.
Support for yarn packages, Adjustable. R. G. Ross. 2,258,262; Oct. 7.
Suppression arrangement, Disturbance. R. Feld. 2,258,283; Oct. 7.
Surfacing wheel. J. J. Sheehan. 2,257,864; Oct. 7.
Surgical emergency signal. F. W. Heyer and F. H. Platt. 2,258,554; Oct. 7.
Suspension system and method. H. F. Maranville. 2,257,913; Oct. 7.
Switch: *See*—
High pressure switch. Tube switch.
Switch. W. J. Turenne. 2,257,990; Oct. 7.
Switchgear, Electric. H. W. Clothier and A. Allen. 2,258,376; Oct. 7.
Switchgear, Metal-clad electric. A. Allan and F. Coates. 2,258,529; Oct. 7.
Switching apparatus for electric circuits. C. Stansbury. 2,258,072; Oct. 7.
Synchronism corrector for telegraph systems. E. R. Shenk. 2,258,152; Oct. 7.
Synchronizer, Electric. E. Martin. 2,258,462; Oct. 7.
Table: *See*—
Convertible trunk table.
Tag, Price. E. B. Van Norden. 2,257,991; Oct. 7.
Tail gate. P. R. Fairbanks. 2,258,447; Oct. 7.
Take-up device, Slack. R. L. Mullaney. 2,258,465; Oct. 7.
Tank closure. A. T. Thompson. 2,258,521; Oct. 7.
Telegraph receiver, Multitape. E. R. Wheeler, R. F. Dirkes, and V. R. Kimball. 2,257,828; Oct. 7.
Telegraphy and telephony, Multiple. L. Pungs. 2,257,917; Oct. 7.
Telephone system. A. A. Lundstrom. 2,257,882; Oct. 7.
Telephone system. P. Winsor, Jr. 2,257,894; Oct. 7.
Television receiver video circuit. M. K. Taylor and H. Wood. 2,258,370; Oct. 7.
Television transmitting system. W. S. Percival, C. O. Browne, L. R. J. Johnson, and F. Blythen. 2,258,557; Oct. 7.
Temperature control in oil fired central heat plants. P. Hartmann-Riis. 2,258,385; Oct. 7.
Temperature of superheated steam, Means for regulating the. J. Kölling. 2,257,805; Oct. 7.
Tent. R. S. Baker. 2,258,084; Oct. 7.
Testing and focusing means for light signals. M. R. Douglass. 2,258,355; Oct. 7.
Testing apparatus, Valve. R. Sheppard. 2,258,224; Oct. 7.
Thermostat. J. L. Kimball. 2,258,457; Oct. 7.
Thermostatic valve. H. J. D. McCollum. 2,257,972; Oct. 7.
Tie plate and rail support. P. Verplanck. 2,257,923; Oct. 7.
Tiles, Method and machine for making roofing. A. C. Hartley. 2,258,553; Oct. 7.
Timer, Interval. C. B. Simmons. 2,258,474; Oct. 7.
Timing apparatus. L. G. Levoy. 2,258,253; Oct. 7.
Tire cord and making the same. A. W. Hansen. 2,258,179; Oct. 7.
Tire deflation and inflation indicator. E. C. Jones and T. B. Seay. 2,257,961; Oct. 7.
Tire deflation indicator. W. P. Harrington. 2,258,384; Oct. 7.
Tire groover. W. Mossback and J. A. Menard. 2,258,027; Oct. 7.
Tires for retreading, Machine for preparing pneumatic. N. T. J. Collmann. 2,258,378; Oct. 7.
Toaster. J. J. Gough. 2,257,906; Oct. 7.
Toaster, Automatic electric. D. J. McCarthy. 2,257,883; Oct. 7.
Tool: *See*—
Combination tool. Wrist pin tool.
Rod withdrawing tool.
Tool temperature control, Machine. M. E. Martellotti. 2,257,849; Oct. 7.
Torch, Cutting. E. H. Smith. 2,258,340; Oct. 7.
Torpedo, Aerial. L. A. Dunajeff. 2,258,281; Oct. 7.
Towel bar and shelf bracket. A. O. Haffner. 2,258,178; Oct. 7.
Toy, Aerial spinning. J. M. Lorer. 2,257,971; Oct. 7.
Toy, Aquatic. C. W. Kershaw and W. A. McMillan. 2,258,095; Oct. 7.
Toy building structure. A. M. Cavalieri. 2,258,156; Oct. 7.
Tractor and semitrailer unit. R. G. Le Tourneau. 2,258,396; Oct. 7.
Tractor-trailer vehicle. S. B. Winn. 2,258,432; Oct. 7
Transmission. D. S. Bennetch. 2,257,724; Oct. 7.
Transmission and throttle control, Combination. J. Nicol. 2,257,852; Oct. 7.
Transmission, Hydraulic. D. W. Fletcher. 2,257,792; Oct. 7.
Transmission line. K. Schüssler. 2,258,148; Oct. 7.
Transmission system, Repeatered. H. S. Black. 2,258,275; Oct. 7.
Transmission system, Wave. J. Collard. 2,258,047; Oct. 7.
Transmission with phase discrimination, Multiplex. W. R Bennett. 2,258,439; Oct. 7.
Transmitter mechanism, Impulse. H. Sengebusch 2,258,266; Oct. 7.
Trap: *See*—
Animal trap.
Tray, Coin. W. N. Stokes. 2,257,891; Oct. 7.
Tray for watermelons. G. M. Long. 2,257,970; Oct. 7.
Tree mover. W. L. Jeffrey. 2,258,289; Oct. 7.
Trestle horse, Adjustable foldable. H. C. Berchem and J. P. Schneider. 2,257,876; Oct. 7.
Trifluoroacetyl halide and making it. J. M. Tinker. 2,257,868; Oct. 7.
Trimming mechanism. G. T. Koch. 2,257,965; Oct. 7.
Tube: *See*—
Electron discharge tube. Gas tube.
Tube. C. A. Tome. 2,258,395; Oct. 7.
Tube holding device M. P. Laurent. 2,258,020; Oct. 7.
Tube switch. S. Crum. 2,257,900; Oct. 7.
Tubes, Process for making stainless clad pierced. P. A. E. Armstrong and T. S. Fitch. 2,258,563; Oct. 7.
Tubes, Stainless clad pierced. P. A. E. Armstrong and T. S. Fitch. 2,258,564; Oct. 7.
Tuning apparatus, Automatic station. J. J. Mauro. 2,258,024; Oct. 7.
Turbine and operating same, Explosion. H. Holzwarth. 2,257,745; Oct. 7.
Type blocks to type levers or type bars, Joining. E. Meisner. 2,258,189; Oct. 7.
Typewriter. S. Khalil. 2,258,116; Oct. 7.
Typewriter, Electrically controlled motorized. A. H. Buckley. 2,258,405; Oct. 7.
Typewriting machine. W. O. Michelsen. 2,258,211–2–3; Oct. 7.
Umbrella. J. A. H. Siers. 2,258,196; Oct. 7.
Undergarment. J. T. Flagg 2,258,411; Oct 7.
Unsaturated compounds from a hexose, Production of. W. F. Koch. 2,257,748; Oct. 7.
Urn, Chocolate serving. J. R. Maxwell. 2,258,210; Oct. 7.
Valve: *See*—
Control valve. Flush tank valve.
Expansion valve. Relief valve.
Filler cap vent valve. Thermostatic valve.
Float valve.
Valve. G. B. Warren. 2,258,230; Oct. 7.
Valve for locomotives, Safety. F. W. Blanchard and F. D. Stirling. 2,258,172; Oct. 7.
Valve mechanism and the like. P. S. Harper. 2,257,880; Oct. 7.
Valve regulating apparatus. R. A. Hetzer. 2,258,360; Oct. 7.
Valve seat grinder stone carrier. L. F. Densmore. 2,258,505; Oct. 7.
Vanadium values from vanadium-bearing material, Extraction of. J. Robertson, H. E. Dunn, and A. A. Sproul. 2,257,978; Oct. 7.
Vegetable cutter. E. L. Deiss. 2,258,087; Oct. 7.
Vehicle: *See*—
Motor vehicle. Tractor-trailer vehicle.
Vehicle signal. P. W. Rom. 2,258,069; Oct. 7.

Vinyl resin coating and producing the same. A. K. Doolittle. 2,258,243; Oct. 7.
Volume control for radio and interphone circuit. J. C. Coe. 2,257,731; Oct. 7.
Wall construction. M. L. Leary. 2,258,574; Oct. 7.
Wall fixture. C. A. Schultz. 2,258,264; Oct. 7.
Washer and drier. W. C. Paulson and A. Kelley. 2,258,215; Oct. 7.
Washing machine. E. Faber. 2,258,244; Oct. 7.
Washing machine. M. P. Gaultier and M. L. Alexander. 2,258,051; Oct. 7.
Washing machine. C. K. Skinner. 2,258,227; Oct. 7
Washing machine agitator. A. H. Basler. 2,257,932; Oct. 7.
Waste connection. E. F. King. 2,258,017; Oct. 7.
Water circulator. M. O. Thrush. 2,257,867; Oct. 7.
Water closet. C. H. Johnson. 2,258,453–4; Oct. 7.
Water filter. G. J. Meyer. 2,258,063; Oct. 7.
Water heater. B. L. Elam. 2,257,841; Oct. 7.
Water heating system, Off-peak C. M. Osterheld. 2,257,887; Oct. 7.
Water treatment. C. W. Rice. 2,258,260; Oct. 7.
Wave translating system. H. S. Black. 2,258,128; Oct. 7.
Wave transmission, Guided. A. E. Bowen. 2,257,783; Oct. 7.
Web, Process of and apparatus for dividing a. L. R. Stalder. 2,258,428; Oct. 7.
Weighing machine, Automatic. S. R. Howard. 2,258,182; Oct. 7.
Weighing scale, Coin-controlled. L. S. Williams. 2,258,308; Oct. 7.
Welding machine, Electric. J. F. Windsor and C. Mark, Jr. 2,257,875; Oct. 7.
Well pumping apparatus. F. E. Schelder. 2,258,103; Oct. 7.
Wells producing mineral fluid, Treatment of. L. C. Chamberlain. 2,258,000; Oct. 7.
Wheel: *See*—
Driving wheel. Surfacing wheel.
Wheel balance weights, Attaching. U. A. Inman. 2,258,011; Oct. 7.
Wheel truing apparatus, Grinding. C. G. Flygare. 2,258,568; Oct. 7.
Wheel mounting. W. F. Herold. 2,258,359; Oct. 7.
Wheel mounting, especially for trailers, Ground. A. J Grabach. 2,258,449; Oct. 7.
Wheels, Method and machine for grinding toothed spur. F. Laessker. 2,258,510; Oct. 7.
Window accessory. D. L. Cross. 2,258,318; Oct. 7.
Windshield cleaner. E. C. Horton and R. E. Rousseau. 2,258,010; Oct. 7.
Windshield wiper blade. A. C. de Hoffmann. 2,257,789; Oct. 7.
Wire ring for floral wreaths, Corrugated. P. A. Brenner. 2,258,442; Oct. 7.
Wobbler mechanism. E. S. Hall. 2,258,138; Oct. 7.
Wrist pin tool. J. Caldwell. 2,258,375; Oct. 7.
X-ray tube and making. B. K. M. Magnusson. 2,258,141; Oct. 7.
Yarn conditioning and control apparatus for textile machines. M. Richter. 2,258,421; Oct. 7.

CLASSIFICATION OF PATENTS

ISSUED OCTOBER 7, 1941

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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181—	0.5:	2,257,850		87:	2,257,900		97:	2,258,338		130:	2,258,262
	33:	2,258,469		89:	2,258,195	223—	71:	2,257,922	244—	44:	2,258,490
183—	2.5:	2,258,496		92:	2,258,233		83:	2,258,389		53:	2,257,940
		2,258,497		113:	2,257,793		91:	2,258,199		123:	2,258,134
	4:	2,257,963		133:	2,258,231	226—	61:	2,258,548	246—	5:	2,258,341
184—	3:	2,258,082		137:	2,257,990		80:	2,258,408	248—	104:	2,258,076
	6:	2,258,077		139:	2,258,258		83:	2,258,185		122:	2,258,175
	21:	2,257,803			2,258,457	228—	2:	2,257,926		223:	2,258,264
188—	151:	2,257,771		140:	2,258,042		60:	2,257,863		358:	2,257,804
	152:	2,258,019		150:	2,258,226	229—	6:	2,257,977			2,258,550
	190:	2,258,337			2,258,376		17:	2,257,952	249—	15:	2,258,182
189—	34:	2,257,762		153:	2,258,232		43:	2,257,919		62:	2,258,081
	36:	2,257,775		166:	2,258,492		51:	2,258,036	250—	1:	2,257,830
	86:	2,258,247		168:	2,258,150	230—	5:	2,258,278		9:	2,257,917
	88:	2,257,855	202—	52:	2,258,444		47:	2,258,284		11:	2,257,757
190—	11:	2,258,364	204—	6:	2,258,579		55:	2,257,862			2,257,815
192—	1:	2,257,838		86:	2,257,746		83:	2,258,415			2,258,006
	3:	2,258,007		289:	2,258,435		134:	2,258,050		15:	2,258,186
		2,258,307		297:	2,258,391			2,258,459		20:	2,258,137
	27:	2,257,802	205—	7:	2,258,242		171:	2,258,009			2,258,283
	33:	2,258,051	206—	31:	2,258,004		175:	2,258,425			2,258,440
	48:	2,258,475		41.2:	2,258,170		222:	2,258,426		27:	2,258,129
	56:	2,257,759		78:	2,258,535		273:	2,258,325			2,258,254
	65:	2,257,912	209—	103:	2,258,460	233—	21:	2,258,155		27.5:	2,257,768
	69:	2,257,877		110:	2,258,120	234—	1.5:	2,258,106			2,257,794
	74:	2,257,987		166:	2,257,808		72:	2,257,998			2,257,827
	98:	2,258,345			2,258,507	235—	60:	2,258,090			2,258,149
	99:	2,258,296		174:	2,258,201		61:	2,257,905			2,258,437
	105:	2,258,157		232:	2,258,194		61.6:	2,258,290		33:	2,258,406
		2,258,393	210—	7:	2,258,398		61.8:	2,258,110			2,258,407
	107:	2,258,237		23:	2,258,260		133:	2,258,204		36:	2,258,128
	113:	2,258,463		28:	2,257,865		144:	2,257,858		40:	2,258,024
	144:	2,258,477		140:	2,258,063	236—	12:	2,258,360			2,258,470
193—	2:	2,258,516		155:	2,258,524		47:	2,258,559		41.5:	2,258,369
	36:	2,257,937		162:	2,257,944		74:	2,257,742			2,258,436
194—	74:	2,258,308	211—	90:	2,258,057		82:	2,258,366		67:	2,257,933
196—	9:	2,257,723			2,258,178		91:	2,258,385		81:	2,258,472
	10:	2,258,236		126:	2,258,133		93:	2,258,506		89:	2,258,141
	31:	2,258,512	212—	145:	2,257,873		101:	2,257,972		167:	2,258,294
	32:	2,258,279	213—	9:	2,258,214	237—	8:	2,258,336		175:	2,257,985
	33:	2,258,249		50:	2,257,909		10:	2,258,239	251—	29:	2,258,230
	41:	2,257,914		64:	2,258,534			2,258,245		163:	2,257,880
197—	20:	2,258,405	214—	1:	2,258,104	238—	83:	2,257,833	252—	11:	2,258,552
	66:	2,258,116		3:	2,258,289		283:	2,257,923		12:	2,258,300
		2,258,211		16.1:	2,258,530		292:	2,257,853		18:	2,258,309
	114:	2,258,212		85:	2,258,396		349:	2,258,315		30:	2,258,202
		2,258,213		113:	2,258,180	240—	1:	2,257,881		32:	2,257,945
198—	35:	2,258,461		135:	2,258,478		6.45:	2,258,540		34:	2,257,752
	43:	2,258,429	219—	6:	2,257,875			2,258,541		35:	2,257,750
	178:	2,258,035		10:	2,258,189			2,258,542			2,257,751
				19:	2,257,883			2,258,543		42:	2,258,301

252—	45:	2,257,890	267—	11:	2,257,773	303—	13:	2,258,414	354—	13:	2,258,022
	46:	2,257,969		19:	2,258,449		139:	2,258,383		139:	2,258,383
	63.7:	2,257,869		22:	2,257,913	254—	13:	2,258,022	255—	1.8:	2,258,001
		2,257,870		54:	2,258,067		139:	2,258,383		5:	2,257,733
		2,257,871	270—	57:	2,258,479	255—	1.8:	2,258,001		72:	2,258,352
		7,217,872	271—	37:	2,257,843		5:	2,257,733	257—	3:	2,257,915
	147:	2,258,578		51:	2,258,100		72:	2,258,352			2,257,916
	234:	2,257,800		61:	2,257,785	257—	3:	2,257,915			2,257,975
	264:	2,258,111	273—	1.5:	2,257,934			2,257,916	258—	21:	2,258,021
	289:	2,257,907		62:	2,258,331			2,257,975		37:	Re.21,917
	328:	2,257,907			2,258,332	258—	21:	2,258,021		125:	2,258,041
	366:	2,258,414			2,258,333		37:	Re.21,917		241:	2,258,324
254—	13:	2,258,022		88:	2,258,272		125:	2,258,041	260—	4:	2,258,255
	139:	2,258,383		118:	2,258,329		241:	2,258,324			2,258,256
255—	1.8:	2,258,001	275—	2:	2,258,519	260—	4:	2,258,255		33.1:	2,257,825
	5:	2,257,733	277—	59:	2,257,886			2,258,256		38:	2,258,546
	72:	2,258,352	279—	1:	2,257,921		33.1:	2,257,825		41:	2,258,423
257—	3:	2,257,915	280—11.15:		2,258,046		38:	2,258,546		73:	2,258,410
		2,257,916		33.1:	2,258,432		41:	2,258,423		80:	2,258,188
		2,257,975		106:	2,257,835		73:	2,258,410		207:	2,257,788
		2,258,021	281—	33:	2,258,273		80:	2,258,188	286—	7:	2,258,008
	37:	Re.21,917			2,258,282		207:	2,257,788	287—20.3:		2,258,101
	125:	2,258,041	282—11.5:		2,257,766		209:	2,258,171		103:	2,258,533
	241:	2,258,324		19:	2,258,573		210:	2,258,168		107:	2,258,377
260—	4:	2,258,255		27:	2,258,206		248:	2,258,130	294—	19:	2,257,963
		2,258,256	285—	20:	2,258,020			2,258,320	296—	1:	2,257,943
	33:	2,257,825		22:	2,258,017		306:	2,257,974		52:	2,258,203
	38:	2,258,546			2,258,190		316:	2,258,304		57:	2,258,447
	41:	2,258,423		122:	2,258,526		353:	2,258,400		84:	2,257,951
	73:	2,258,410		146:	2,258,066		380:	2,258,551	299—	63:	2,257,807
	80:	2,258,188		165:	2,258,135		397.3:	2,258,131			2,257,928
	207:	2,257,788	286—	7:	2,258,008		397.7:	2,258,162			2,257,929
	209:	2,258,171	287—20.3:		2,258,101		449:	2,258,511			2,257,930
	210:	2,258,168		103:	2,258,533		452:	2,258,500			2,258,445
	248:	2,258,130		107:	2,258,377		464:	2,257,814		95:	2,258,102
		2,258,320	294—	19:	2,257,963		528:	2,257,748	301—	5:	2,258,011
	306:	2,257,974	296—	1:	2,257,943		544:	2,257,868		136:	2,258,359
	316:	2,258,304		52:	2,258,203		562:	2,257,817	302—	53:	2,258,125
	353:	2,258,400		57:	2,258,447		564:	2,258,321	303—	84:	2,257,857
	380:	2,258,551		84:	2,257,951		569:	2,257,908	304—	6:	2,257,876
397.3:		2,258,131	299—	63:	2,257,807		606:	2,257,780	308—	6:	2,258,177
397.7:		2,258,162			2,257,928		609:	2,257,819		26:	2,258,040
	449:	2,258,511			2,257,929		633:	2,257,899		109:	2,258,028
	452:	2,258,500			2,257,930		644:	2,257,980		180:	2,258,570
	464:	2,257,814			2,258,445		650:	2,257,903		231:	2,258,267
	528:	2,257,748		95:	2,258,102		672:	2,257,920		238:	2,258,420
	544:	2,257,868	301—	5:	2,258,011		676:	2,257,896	309—	12:	2,258,476
	562:	2,257,817		136:	2,258,359		683:	2,258,368		44:	2,258,576
	564:	2,258,321	302—	53:	2,258,125	261—	92:	2,258,357		45:	2,258,160
	569:	2,257,908	303—	84:	2,257,857	262—	28:	2,258,049	312—	24:	2,258,372
	606:	2,257,780	304—	6:	2,257,876	263—	32:	2,258,518		57:	2,258,358
	609:	2,257,819	308—	6:	2,258,177	264—	7:	2,258,136		88:	2,258,409
	633:	2,257,899		26:	2,258,040	265—	12:	2,258,276		141:	2,258,489
	644:	2,257,980		109:	2,258,028		16:	2,258,424			
	650:	2,257,903		180:	2,258,570	266—	5:	2,258,431			
	672:	2,257,920		231:	2,258,267						
	676:	2,257,896		238:	2,258,420						
	683:	2,258,368	309—	12:	2,258,476						

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,257,750:	252—	35	2,257,864:	51—	190	2,257,986:	62—119.5		2,258,149:	250—27.5	
2,257,754:	5—	38	2,257,869:	252—63.7		2,257,997:	252—	328	2,258,155:	233—	21
2,257,761:	37—	129	2,257,870:	252—63.7		2,258,001:	255—	1.8	2,258,189:	219—	10
2,257,765:	166—	1	2,257,871:	252—63.7		2,258,012:	132—75.8		2,258,196:	135—	25
2,257,766:	282—11.5		2,257,872:	252—63.7		2,258,033:	19—	131	2,258,202:	252—	30
2,257,785:	271—	61	2,257,907:	252—	289	2,258,043:	158—	28	2,258,241:	84—1.15	
2,257,801:	62—	4	2,257,913:	267—	22	2,258,070:	164—	21	2,258,278:	230—	5
2,257,820:	57—	145	2,257,918:	178—	5	2,258,101:	287—20.3		2,258,280:	126—	180
2,257,825:	260—	33	2,257,919:	229—	43	2,258,124:	178—	7.1	2,258,294:	250—	167
2,257,838:	192—	1	2,257,931:	110—	72	2,258,136:	264—	7	2,258,299:	103—	240
2,257,843:	271—	37	2,257,971:	46—	74	2,258,145:	220—	85	2,258,306:	129—	13

2,258,358:	312—	57	2,258,459:	230—	134
2,258,381:	23—	38	2,258,504:	103—	120
2,258,392:	83—	45	2,258,522:	220—	40
2,258,401:	60—	108	2,258,526:	115—	0.5
2,258,411:	2—	224	2,258,573:	282—	19
2,258,415:	230—	83	2,258,576:	309—	44
2,258,416:	103—	96	2,258,578:	252—	147
2,258,430:	74—	254			
2,258,438:	106—	307			
2,258,448:	30—	24			
2,258,450:	137—	68			

U. S. GOVERNMENT PRINTING OFFICE: 1941

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Acro Electric Company, Cleveland, Ohio. Electrical switches. Serial No. 445,402; Oct. 14. Class 21.

Advance Auto Body Works, Los Angeles, Calif. Mechanically operated refrigerating units for trucks. Serial No. 443,968; Oct. 14. Class 31.

Allied Beauty Products Mfg. Co., Chicago, Ill. Machineless chemical inserts for permanent waving pads. Serial No. 437,023; Oct. 14. Class 6.

Altman, Harry E., Long Island City, N. Y. Flavoring or spice preparation for use in curing meats. Serial No. 428,719; Oct. 14. Class 6.

American Oil Company, The, Baltimore, Md. Lubricating oils and greases flushing oil, and fuel oil. Serial No. 445,709; Oct. 14. Class 15.

Artistic Neckwear Mfg. Co., The, Baltimore, Md. Neckties. Serial No. 442,297; Oct. 14. Class 39.

Arvey Corporation, Chicago, Ill. Adjustable and collapsible cardboard drawer partitions. Serial No. 444,558; Oct. 14. Class 37.

Bassick Company, The, Bridgeport, Conn. Truck casters. Serial Nos. 445,769–70; Oct. 14. Class 19.

Bates, Hamilton C., Chester, Conn. Knitting needles for hand use. Serial Nos. 445,792–7; Oct. 14. Class 40.

Baumgartner, L. L., doing business as Litchfield Hatcheries, Litchfield, Minn. Baby chicks, baby turkeys, and poultry feeds. Serial No. 441,152; Oct. 14. Class 46.

Bayou State Oil Corporation, Shreveport, La. Lubricating oil for Diesel engines. Serial No. 446,312; Oct. 14. Class 15.

Belding Hemingway Company, New York, N. Y. Spool and skein silk, threads of silk, cotton, rayon, etc. Serial No. 446,349; Oct. 14. Class 43.

Bickers Coffee Company, Inc., Clarksburg, W. Va. Coffee. Serial No. 444,133; Oct. 14. Class 46.

Bireley's Inc., doing business as Bireley's Orangeade Co., Hollywood, Calif. Food drinks and products for use in making the same—namely, tomatoe cocktail, grape-fruit juice, etc. Serial No. 433,086; Oct. 14. Class 46.

Bloomingdale Bros., Inc., New York, N. Y. Hats, coats, dresses, shoes, etc. Serial No. 444,787; Oct. 14. Class 39.

Blue Moon Foods, Inc., Thorp, Wis. Cheese spread. Serial No. 445,542; Oct. 14. Class 46.

Brennan, Edward J., doing business as Quickies Co., New York, N. Y. Medicinal preparation for acid indigestion and heart burn. Serial No. 445,543; Oct. 14. Class 6.

Brunswig Drug Co., Los Angeles, Calif. Malted milk, maraschino cherries, crushed strawberries, chocolate syrup, etc. Serial No. 444,789; Oct. 14. Class 46.

California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Parasiticides. Serial No. 446,730; Oct. 14. Class 6.

Capewell Manufacturing Company, The, Hartford, Conn. Hack saw blades. Serial No. 435,831; Oct. 14. Class 23.

Carras, Mike, Brooklyn, N. Y. Rubbing liniment. Serial No. 443,070; Oct. 14. Class 6.

Cascella Springs Co., Three Rivers, Mass. Nonalcoholic maltless beverages. Serial No. 445,879; Oct. 14. Class 45.

Celanese Corporation of America, New York, N. Y. Piece goods made wholly or partially of cellulose derivatives. Serial No. 446,415; Oct. 14. Class 42.

Celanese Corporation of America, New York, N. Y. Syndicated fashion feature column. Serial No. 444,594; Oct. 14. Class 38.

Century Engineering Corporation, Cedar Rapids, Iowa. Air filters, air washers, blower units, and humidifiers. Serial No. 409,294; Oct. 14. Class 34.

City Engineering Company, The, Dayton, Ohio. Screw machines, dies, and jigs. Serial No. 443,996; Oct. 14. Class 23.

Cleveland, Jack O., doing business as The Cleveland Co., Austin, Tex. Polishing and cleaning powder. Serial No. 426,248; Oct. 14. Class 4.

Cochran, Jacqueline, Roselle, N. J. Perfume. Serial No. 446,045; Oct. 14. Class 6.

Coleman, Cecil, doing business as Cecil Coleman & Company, Portchester, N. Y. Toy grocery stores, snappers, souvenir table favors, etc. Serial No. 444,596; Oct. 14. Class 22.

Collicutt, Earl H., New York, N. Y. Air mixers for ventilating systems. Serial No. 445,804; Oct. 14. Class 34.

Connolly Shoe Co., Stillwater, Minn. Shoes. Serial No. 444,963; Oct. 14. Class 39.

Corn Products Refining Company, New York, N. Y. Pudding powder, pie filling, and a preparation for frostings, fudge, etc. Serial No. 446,192; Oct. 14. Class 46.

Creative Age Press Inc., New York, N. Y. Periodical published monthly. Serial No. 446,100; Oct. 14. Class 38.

Dache, Lilly, Inc., New York, N. Y. Face powder, toilet water, perfume, etc. Serial No. 446,649; Oct. 14. Class 6.

Darling Baby Products Corp., New York, N. Y. Towel sets, pillows, sheets, and pillow cases, etc. Serial No. 442,651; Oct. 14. Class 42.

Davis, H. B., Company, Baltimore, Md. Paints, paint enamels, Japans, varnishes, stains, and fillers. Serial No. 445,978; Oct. 14. Class 16.

Dresco, Inc., The, East Weymouth, Mass. Belting. Serial No. 446,693; Oct. 14. Class 35.

Du-Lite Chemical Corporation, Middletown, Conn. Specially prepared chemical compound for coloring steel. Serial No. 445,411; Oct. 14. Class 6.

Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Rubber gloves and aprons. Serial No. 442,833; Oct. 14. Class 39.

Elder Manufacturing Company, St. Louis, Mo. Wearing apparel for men and boys. Serial No. 445,630; Oct. 14. Class 39.

Farrin, M. B., Lumber Co., The, Cincinnati, Ohio. Factory finished wood flooring. Serial No. 445,892; Oct. 14. Class 12.

Fikany, James A., Rochester, N. Y. Shoes. Serial No. 440,585; Oct. 14. Class 39.

Firth Carpet Company, New York, N. Y. Carpets and rugs. Serial No. 440,930; Oct. 14. Class 42.

Fleming, Charles E., Chicago, Ill. Diaries. Serial No. 443,412; Oct. 14. Class 37.

Friedman, Jacob P., New York, N. Y. Butter. Serial No. 431,797; Oct. 14. Class 46.

General Chemical Company, New York, N. Y. Wetting agent for use in treating oil well water. Serial No. 443,249; Oct. 14. Class 6.

General Chemical Company, New York, N. Y. Insecticides and fungicides. Serial No. 446,543; Oct. 14. Class 6.

General Packing Corporation, doing business as Jumbo Sales Co., New York, N. Y. Dog and cat food. Serial No. 445,722; Oct. 14. Class 46.

General Printing Ink Corporation, New York, N. Y. Printing ink. Serial No. 445,809; Oct. 14. Class 11.

Gevaert Photo-Producten, Naamlooze Vennootschap (Photo-Produits Gevaert, Societe Anonyme), Oude-God, Belgium. Transparent colorless or coloured Celluloid, used as protection against detrimental effects of sun-rays. Serial No. 440,503; Oct. 14. Class 50.

Glover, John H., doing business as The Indianhead Manufacturing Co., assignor to Indian Head Corp., St. Paul, Minn. Glass cleaner, non-inflammable cleaner, and inflammable dry cleaner. Serial No. 441,508; Oct. 14. Class 4.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Bags made of rubber hydrochloride. Serial No. 446,391; Oct. 14. Class 2.

Greater New York Brewery Inc., The, New York, N. Y. Beer and ale. Serial No. 446,232; Oct. 14. Class 48.

Gripso Co., Kittanning, Pa. Liquid preparation for application to the hands of athletes for effecting a non-slipping hold on base-balls, tennis racquets, golf clubs, etc. Serial No. 445,810; Oct. 14. Class 4.

Guiberson Corporation, The, Dallas, Tex. Pipe unions. Serial No. 442,902; Oct. 14. Class 13.

Hat Corporation of America, Norwalk, Conn. Hats for men. Serial No. 446,233; Oct. 14. Class 39.

Henry, Sidney, doing business as S. H. Hirsch, New York, N. Y. Perfume and toilet waters, lipstick and face powders. Serial No. 445,728; Oct. 14. Class 6.

Henry, Sidney, doing business as S. H. Hirsch, New York, N. Y. Non-electrical hair curlers. Serial No. 445,733; Oct. 14. Class 40.

Hinde & Dauch Paper Company, The, Sandusky, Ohio. Corrugated paper merchandise display stands. Serial No. 446,805; Oct. 14. Class 2.

Hirsch, S. H. (See Henry, Sidney.)

Imperial Glass Corporation, Bellaire, Ohio. Glassware for table purposes, including stemware, goblets, tumblers, etc. Serial No. 446,049; Oct. 14. Class 33.

Indianhead Manufacturing Co. (See Glover, John H.)

Industrial Chemical Products Company, Detroit, Mich. Paste-like mixture or coating to be applied to the exposed surfaces of paint spray rooms to prevent the excess spray of paint from adhering directing to said surfaces. Serial No. 442,709; Oct. 14. Class 16.

Irvington Varnish & Insulator Co., Irvington, N. J. Extruded resinoid plastic materials in the form of tubes, rods, strips, etc. Serial No. 443,330; Oct. 14. Class 1.

Jam Session, Inc., New York, N. Y. Periodical publication. Serial No. 446,293; Oct. 14. Class 38.

Jumbo Sales Co. (See General Packing Corporation.)

Laymon, Herman B., doing business as World's Products Company, Spencer, Ind. Flashlight batteries. Serial No. 443,334; Oct. 14. Class 21.

Leeds Ltd. Coats, Inc., New York, N. Y. Coats, suits, skirts, etc. Serial No. 446,296; Oct. 14. Class 39.
Litchfield Hatcheries. (See Baumgartner, L. L.)
Lost Articles Recovery Service, Inc., New York, N. Y. Material comprising a package containing identification tags, nails, and brads, etc. Serial No. 443,256; Oct. 14. Class 50.
Lupton, William B., doing business as Lupton's Ice Cream Co., Camas, Wash. Ice cream and ice cream confections, candy, fruit preserves, and sundae toppings. Serial No. 444,305; Oct. 14. Class 46.
Macy, R. H., & Co., Inc., New York, N. Y. Woolen and cotton piece goods. Serial No. 445,526; Oct. 14. Class 42.
Made in America Foundation, Inc., New York, N. Y. Monthly magazine. Serial No. 444,537; Oct. 14. Class 38.
Marvio Fabrics, Inc., New York, N. Y. Piece goods of wool, cotton, linen, etc. Serial No. 446,502; Oct. 14. Class 42.
McLain, Percy L., Needles, Calif. Medicinal agent for coughs, bronchial irritations, and congestion due to colds. Serial No. 446,581; Oct. 14. Class 6.
McKesson & Robbins, Inc., New York, N. Y. Vitamin products. Serial Nos. 446,363–5; Oct. 14. Class 6.
McKesson & Robbins, Inc., New York, N. Y. Vitamin products. Serial No. 466,367; Oct. 14. Class 6.
Melchior, Armstrong, Dessau Co. of Delaware, Inc., Ridgefield, N. J. Commercial refrigeration equipment. Serial No. 444,195; Oct. 14. Class 31.
Metakloth Company, Lodi, N. J. Waterproof knitted, netted and woven textile fabrics—namely, ducks, twills, drills, and chain cloths. Serial No. 444,876; Oct. 14. Class 50.
Metakloth Company, Lodi, N. J. Mildew proof and rot proof army shelter tents, filled ducks, chain cloths, etc. Serial No. 444,877; Oct. 14. Class 50.
Miura, Roy K., Sacramento, Calif. Fresh vegetables. Serial No. 445,499; Oct. 14. Class 46.
Mohawk Brush Company, Albany, N. Y. Hair brushes, military brushes, clothes brushes, etc. Serial No. 440,751; Oct. 14. Class 29.
Mutual Citrus Products Co., Inc., Anaheim, Calif. Candy. Serial No. 445,099; Oct. 14. Class 46.
Nau, Frank, Portland, Oreg. Sterilizing or bactericidal agent for use as a cleanser of surgical instruments. Serial No. 446,705; Oct. 14. Class 6.
Neptune Meter Company, New York, N. Y. Liquid meters indicating dials and registers for use therewith, etc. Serial No. 443,850; Oct. 14. Class 26.
New York Evening Journal, Inc., New York, N. Y. Newspaper section. Serial No. 446,063; Oct. 14. Class 38.
Newton Downs, Ltd., New York, N. Y. Rainwear for men and women. Serial No. 446,021; Oct. 14. Class 39.
Nolde and Horst Company, The, Reading, Pa. Hosiery. Serial No. 446,003; Oct. 14. Class 39.
Northeastern Products, Inc., Boston, Mass. Talcum powder, after shaving lotions, hair dressings, etc. Serial No. 440,017; Oct. 14. Class 6.
Northeastern Products, Inc., Boston, Mass. Nail polish. Serial No. 443,853; Oct. 14. Class 6.
Nourishine Sales Company, Hollywood, Calif. Preparations for the hair. Serial No. 442,072; Oct. 14. Class 6.
Old Dutch Mustard Company, Inc., Brooklyn, N. Y. Mustard. Serial No. 444,942; Oct. 14. Class 46.
Pacific Peat Products Ltd., Vancouver and Lulu Island, Canada. Peat, peat litter, ground peat, etc. Serial No. 443,370; Oct. 14. Class 1.
Parker, Elgin Rowland, doing business as Southern Water Heater Company, Compton, Calif. Automatic storage gas water heaters. Serial No. 437,958; Oct. 14. Class 34.
Pender, David, Grocery Company, Norfolk, Va. Cracker meal. Serial No. 437,321; Oct. 21. Class 46.
Pickard, Ben, Chicago, Ill. Hair wave nets. Serial No. 445,639; Oct. 14. Class 39.
Plastergon Wall Board Company, Buffalo, N. Y. Insulation wall board. Serial Nos. 445,824–5; Oct. 14. Class 12.
Pollack, Sigmund, Washington, D. C. Preparations containing sulphur in a dissolved form for the treatment of rheumatism, obesity, sciatica, etc. Serial No. 446,632; Oct. 14. Class 6.
Pond's Extract Company, New York, N. Y. Skin cream. Serial No. 446,399; Oct. 14. Class 6.
Premo Pharmaceutical Laboratories, Inc., New York, N. Y. Pharmaceutical preparation for the relief of coughs and bronchial paroxysms. Serial No. 445,857; Oct. 14. Class 6.
Public Gas Co., Miami, Fla. Gas for household purposes. Serial No. 446,527; Oct. 14. Class 6.
Quickies Co. (See Brennan, Edward J.)
Republic Flow Meters Company, Chicago, Ill. Fluid flowmeters, chart type recorders, recorders, etc. Serial No. 445,299; Oct. 14. Class 26.
Richards, Boggs & King, Inc., Chicago, Ill. Shower curtains. Serial No. 445,699; Oct. 14. Class 13.
Richards, Boggs & King, Inc., Chicago, Ill. Raincoats, rain capes, rain hats, etc. Serial No. 445,827; Oct. 14. Class 39.
Royal Typewriter Company, Inc., New York, N. Y. Inking ribbons and carbon paper. Serial No. 446,182; Oct. 14. Class 11.
Royal Typewriter Company, Inc., New York, N. Y. Inking ribbons and carbon paper. Serial No. 446,184; Oct. 14. Class 11.
Scholl Mfg. Co., Inc., The, Chicago, Ill. Extensions for low shoe uppers to prevent heel slipping. Serial No. 446,280; Oct. 14. Class 39.
Simon, Paul H., New York, N. Y. Freshener on sanitary napkins. Serial No. 422,183; Oct. 14. Class 6.
Smoler, Boris, & Sons, Chicago, Ill. Frocks, dresses, slacks, etc. Serial No. 446,221; Oct. 14. Class 39.
Southern Water Heater Company. (See Parker, Elgin R.)
Squibb, E. R., & Sons, New York, N. Y. Capsules containing potent therapeutic agents. Serial No. 435,441; Oct. 14. Class 6.
Stearns, Frederick, & Company, Detroit, Mich. Vitamin preparation. Serial No. 446,800; Oct. 14. Class 6.
Sterling Soap Company, New York, N. Y. Soap, soap powders, flakes, etc. Serial No. 420,729; Oct. 14. Class 4.
Stratton & Terstegge Company, Incorporated, Louisville, Ky. Rubber tires. Serial No. 446,223; Oct. 14. Class 35.
Stuart-Chase Co., North Bergen, N. J. Smelling salts and glass ampoules which have the same effect as smelling salts. Serial No. 446,709; Oct. 14. Class 6.
Sun Valley Togs, Inc., New York, N. Y. Children's skirts, dresses, snow suits, etc. Serial No. 445,863; Oct. 14. Class 39.
Sutton Cosmetics, Inc., New York, N. Y. Lipsticks, rouges, face powders, etc. Serial No. 443,824; Oct. 14. Class 6.
Thormac Chemical Company, Inc., New York, N. Y. Coatings in the nature of paint and enamel coatings. Serial No. 441,333; Oct. 14. Class 16.
United Building Construction Co., Chicago, Ill. Pointing mortar. Serial No. 446,092; Oct. 14. Class 12.
United States Gypsum Company, Chicago, Ill. Roof-covering materials—namely, artificial shingles. Serial No. 407,924; Oct. 14. Class 12.
U. S. Tar Products, Inc., Matawan, N. J. Asphalt sealing material for material for burial vaults and the like. Serial No. 446,093; Oct. 14. Class 12.
Val Vita Food Products, Inc., Fullerton, Calif. Canned fruits, canned vegetables, canned tomato paste, etc. Serial No. 445,59-; Oct. 14. Class 46.
Vanity Fair Silk Mills, Reading, Pa. Underwear and sleeping garments, and hosiery. Serial No. 445,763; Oct. 14. Class 39.
West End Brewing Company, The, Utica, N. Y. Beer and ale. Serial No. 444,623; Oct. 14. Class 48.
Westinghouse Air Brake Company, The, Wilmerding, Pa. Fluid pressure control valves, cutout cocks, diaphragm cocks, etc. Serial No. 445,568; Oct. 14. Class 13.
Williams, Lawrence M., doing business as Lawrence Laboratories, Chicago, Ill. Vitamin and iron preparation for use as a dietary and nutritional supplement. Serial No. 445,441; Oct. 14. Class 6.
Winthrop Chemical Company, Inc., New York, N. Y. Vitamin bread enrichment tablets. Serial No. 445,512; Oct. 14. Class 6.
World's Products Company. (See Laymon, Herman B.)
Ziegler, Louis, Brewing Co., Beaver Dam, Wis. Fermented beverages made of malt, hops, sugar, and added flavoring. Serial No. 446,012; Oct. 14. Class 48.

LIST OF REGISTRANTS OF TRADE-MARKS

Air Reduction Sales Company. (See Davis-Bournonville Company, assignor.)
American Bronze Corporation, to American Non-Gran Bronze Corporation, Berwyn, Pa., successor. Bushings and bearings. 151,418; renewed Feb. 7, 1942.
American Chain & Cable Company, Inc., New York, N. Y., and Bridgeport, Conn. Abrasive cutting machine. 390,941; Oct. 14; Serial No. 442,225; published Aug. 5, 1941. Class 23.
American and Continental Patented Products Inc., New York, N. Y. Necklaces and bracelets, finger rings, etc. 390,958; Oct. 14; Serial No. 443,474; published Aug. 5, 1941. Class 28.
American Decalcomania Co., Inc. Decalcomanias. 390,921; Oct. 14; Serial No. 432,370; published Aug. 5, 1941. Class 38.
American Laundry Machinery Company, The, Norwood Station, Cincinnati, Ohio. Identification appliances for use in laundries. 390,919; Oct. 14; Serial No. 426,937; published Aug. 5, 1941. Class 24.
American Non-Gran Bronze Corporation. (See American Bronze Corporation.)
Anders, D. Webster. (See Freed, Herman, assignor.)
Arango y Arango, also doing business as Arguelles Lopez & Bro. Inc., Tampa, Fla. Cigars. 390,922; Oct. 14; Serial No. 432,914; published Sept. 10, 1940. Class 17.

Arm-A-Lite Company. (See Conley, Alvin M.)
Avondale Mills, Sylacauga, Ala. Cotton fabrics, comprising chambrays and ocverts. 391,024; Oct. 14. Class 42.
Ayshire Patoka Collieries Corporation, Indianapolis, Ind., and Wilmington, Del. Coal. 390,937; Oct. 14; Serial No. 441,848; published Aug. 5, 1941. Class 1.
Beiersdorf, P., & Co. Inc., New York, N. Y., to P. Beiersdorf & Co. Inc., Stamford, Conn. Lactoalbuminous solution used for subcutaneous injections. 151,673; renewed Feb. 14, 1942.
Blackstone Corporation, Jamestown, N. Y. Domestic clothes washing machines, wringers, dryers, etc. 391,010; Oct. 14. Class 24.
Borden Company, The, New York, N. Y. Evaporated milk. 390,923; Oct. 14; Serial No. 433,598; published Aug. 5, 1941. Class 46.
Borg-Warner Corporation, Chicago, Ill. Fluid and solid fuel burning furnaces. 390,926; Oct. 14; Serial No. 437,804; published Aug. 5, 1941. Class 34.
Botany Worsted Mills, Passaic, N. J. Men's sport coats, jackets, windbreakers, reversible jackets. 390,960; Oct. 14; Serial No. 443,595; published July 29, 1941. Class 39.
Boyle, John, & Company, Incorporated, New York, N. Y. Textile fabrics. 150,746; renewed Jan. 10, 1942.
Burbank, Kershaw, doing business as Sing-A-Tina Studio, New York, N. Y. Musical acoustic device. 390,956; Oct. 14; Serial No. 443,397; published Aug. 5, 1941. Class 36.
Burwood Products Company, Traverse City, Mich. Plastic wood products, ash trays and pipe racks. 390,927; Oct. 14; Serial No. 437,806; published Aug. 5, 1941. Class 8.
Calico Printer's Association, Limited, The, Manchester, England. Printed, dyed, and bleached cotton piece goods. 391,002; Oct. 14. Class 42.
Canoga Citrus Association, Canoga Park, Calif. Fresh citrus fruits. 390,971; Oct. 14; Serial No. 444,134; published Aug. 5, 1941. Class 46.
Catechetical Guild, Inc., St. Paul, Minn. Crayons. 390,935; Oct. 14; Serial No. 441,499; published Aug. 5, 1941. Class 37.
Celotex Corporation, The, Chicago, Ill. Latex adhesives and a latex adhesive and a dispersion fluid therefor. 390,916; Oct. 14; Serial No. 419,658; published Aug. 5, 1941. Class 5.
Charleston Sixth Vein Collieries Company, Dawson Springs, Ky. Coal. 391,028; Oct. 14. Class 1.
Chelhar, Lorenz, San Francisco, Calif. Canned cantaloupe juice. 390,943; Oct. 14; Serial No. 442,517; published Aug. 5, 1941. Class 46.
Cheramy, Inc., New York, N. Y. Perfumes, sachets, talcum powder, etc. 151,446; renewed Feb. 7, 1942.
Chesebrough Manufacturing Company, Consolidated, New York, N. Y. Petroleum jelly, oil petrol, white mineral oil, etc. 151,099; renewed Jan. 24, 1942.
Chiron, H., Co., Inc., New York, N. Y. Reeds for musical instruments. 390,946; Oct. 14; Serial No. 442,690; published Aug. 5, 1941. Class 36.
Cho-Cho Company. (See Malt-A-Milk Company of America, assignor.)
Clinton Company, Clinton, Iowa. Modified starches, dextrines, starch gums, etc. 391,004; Oct. 14. Class 6.
Cloutier, Albert E. (See Dresso Polish Co., assignor.)
Coats, J. & P., Limited, Paisley, Scotland, assignor to J. & P. Coats (R. I.) Inc., Pawtucket, R. I. Cotton thread or spool cotton. 20,526; re-renewed Dec. 29, 1941.
Coats, J. & P., Limited, Paisley, Scotland, assignor to J. & P. Coats (R. I.) Inc., Pawtucket, R. I. Spool cotton or cotton thread. 20,527; re-renewed Dec. 29, 1941.
Coats, J. & P., Limited, Paisley, Scotland, assignor to J. & P. Coats (R. I.) Inc., Pawtucket, R. I. Spool cotton or cotton thread. 20,625; re-renewed Jan. 19, 1942.
Colour Incorporated, Chicago, Ill. Printed pictures. 390,918; Oct. 14; Serial No. 425,557; published Aug. 5, 1941. Class 38.
Combustion Engineering Company, Inc., Wilmington, Del., and New York, N. Y. Gas water heaters. 390,942; Oct. 14; Serial No. 442,390; published Aug. 5, 1941. Class 34.
Commonwealth Varnish Company. (See Indiana Indestructible Paint Co., assignor.)
Conley, Alvin M., doing business as Arm-A-Lite Company, Los Angeles, Calif. Electric vehicle light for illuminatiug driver's arm signals. 391,001; Oct. 14. Class 21.
Consolidated Companies Inc., Plaquemine, Morgan City, St. Martinville, New Roads, and White Castle, to Consolidated Companies, Inc., Plaquemine, La. Chewing and smoking tobacco. 152,375; renewed Feb. 28, 1942.
Crucible Steel Company of America, New York, N. Y. Steel rods, bars, blooms, billets, etc. 390,968–9; Oct. 14; Serial Nos. 444,037–8; published Aug. 5, 1941. Class 14.
Darwin & Milner, Inc., New York, N. Y., to Darwin & Milner, Inc., Cleveland, Ohio. Metal cuttings and forming small tools. 151,459; renewed Feb. 7, 1942.
Davis-Bournonville Company, New York, N. Y., and Jersey City, N. J., assignor, by mesne assignments, to Air Reduction Sales Company, New York, N. Y. Cast-iron welding sticks or rods. 150,786; renewed Jan. 10, 1942.
Dayton Rubber Manufacturing Company, The, Dayton, Ohio. Textile machinery. 391,011; Oct. 14. Class 23.
Diamond Match Company, The, New York, N. Y. Paper napkins. 391,025; Oct. 14. Class 37.
Disston, Henry, & Sons, Incorporated, Tacony, Pa. Saws. 390,924; Oct. 14; Serial No. 433,653; published Aug. 5, 1941. Class 23.
Dorr Company, Inc., The, New York, N. Y. Apparatus for the treatment of solids suspended in liquids. 390,978; Oct. 14; Serial No. 444,258; published Aug. 5, 1941. Class 23.
Dresso Polish Co., The, Norwich, Conn., assignor to Albert E. Cloutier, Fall River, Mass. Polish for pianos and automobiles. 147,305; renewed Oct. 11, 1941.
Drug Specialty Company. (See Thornton, Harry C.)
Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Photographic enlargers, parts thereof and/or accessories therefor. 391,017; Oct. 14. Class 26.
Eaton Laboratories. (See Jacobs, Melvin H.)
Fairfield Engineering Company, The, Marion, Ohio. Electrical control switches. 390,979; Oct. 14; Serial No. 444,259; published Aug. 5, 1941. Class 21.
Felsenthal, Ben, & Co. Inc., New York, N. Y. Necklaces, bracelets, earrings, brooches, etc. 391,008; Oct. 14. Class 28.
Freed, Herman, as assignee of D. Webster Anders, assignor to Herman Freed, Boston, Mass. A preparation of liquid form for a treatment of skin diseases. 146,680; renewed Sept. 20, 1941.
Fruit Growers Co-Operative, Sturgeon Bay, Wis. Canned cherries. 390,938; Oct. 14; Serial No. 442,006; published Aug. 5, 1941. Class 46.
General Products Corporation, Union Springs, N. Y. Emergency spark coil for use with an ignition system for an internal combustion engine. 391,022; Oct. 14. Class 21.
Gilbert, A. C. Company, The, New Haven, Conn. Toy railroad accessories, toy trains, toy locomotives, etc. 390,995; Oct. 14; Serial No. 444,761; published Aug. 5, 1941. Class 22.
Gimbel Brothers, Inc., New York, N. Y. Outdoor toys. 390,939; Oct. 14; Serial No. 442,124; published Aug. 5, 1941. Class 22.
Goldsmith Bros., New York, N. Y. Gummed cloth index strips. 390,940; Oct. 14; Serial No. 442,169; published Aug. 5, 1941. Class 37.
Gregg, J. D., Liberty, assignor to Justice Drug Co., Greensboro, N. C. Medicine for use in the treatment of the liver. 148,658; renewed Nov. 22, 1941.
Hallidal, John, and Sons, Limited, Bradford, England. Woolen and worsted suiting in the piece. 391,000; Oct. 14. Class 42.
Harbison-Walker Refractories Company, Pittsburgh, Pa. Powder insulation for tops of ingot molds. 390,925; Oct. 14; Serial No. 436,341; published Aug. 5, 1941. Class 1.
Harden, E. E., doing business as E. E. Harden Packing Co., Salinas, Calif. Fresh vegetables. 391,015; Oct. 14. Class 46.
Harlomoor Company. (See Turner, Halsey Company, assignor.)
Harris, A., & Company, Dallas, Tex. Ladies' wearing apparel—namely, blouses, skirts, suits, etc. 391,003; Oct. 14. Class 39.
Hecker Products Corporation, New York, N. Y. Breakfast cereals. 390,928; Oct. 14; Serial No. 438,572; published Aug. 5, 1941. Class 46.
Hillman, Rita K., New York, N. Y. Magazine. 390,945; Oct. 14; Serial No. 442,629; published Aug. 5, 1941. Class 38.
Home Electric Lighting Company, East Orange, N. J., assignor, by mesne assignments, to Homelite Corporation, East Port Chester, Conn. Electric generating plants. 151,508; renewed Feb. 7, 1942.
Homelite Corporation. (See Home Electric Lighting Company, assignor.)
Hooper, Wm. E., & Sons Co., Baltimore, Md. Netted and knitted fabrics and cotton cloths. 150,411; renewed Jan. 3, 1942.
Hooper, Wm. E., & Sons Co., Baltimore, Md. Rope, cord, and twine. 151,172; renewed Jan. 24, 1942.
Hooper, Wm. E., & Sons Co., Baltimore, Md. Receptacles. 151,173; renewed Jan. 24, 1942.
Hooper, Wm. E., & Sons Co., Baltimore, Md. Belting, hose, filter tubing, and brake banding. 151,809; renewed Feb. 14, 1942.
Horni, Paul P., New York, N. Y. Rotatably driven registers. 390,913–14; Oct. 14; Serial Nos. 407,672–3; published Aug. 5, 1941. Class 21.
Hubbard, J. & Co. (See Miller, Louise, assignor.)
Humason Manufacturing Company, The, Bristol, Conn. Coil and flat springs and set screws, cap nuts, and turned knobs. 150,853; renewed Jan. 10, 1942.
Huyck, F. C., & Sons, Albany, to F. C. Huyck & Sons, Rensselaer and Albany, N. Y. Scarfs; stockings, socks, and sweaters for men, women, and children, of textile fabric. 147,333; renewed Oct. 11, 1941.

Inderrieden Canning Co., assignor to The J. B. Inderrieden Co., Chicago, Ill. Canned vegetables. 151,816; renewed Feb. 14, 1942.

Indiana Indestructible Paint Co., assignor to Commonwealth Varnish Company, Chicago, Ill. Flat paint for finishing interior walls, ceilings, and woodwork. 148,865; renewed Nov. 29, 1941.

International Silver Company, Meriden, Conn. Sterling silver flatware and hollow-ware. 390,987; Oct. 14; Serial No. 444,380; published Aug. 5, 1941. Class 28.

International Silver Company, Meriden, Conn. Silver-plated flat-ware and hollow-ware. 390,994; Oct. 14; Serial No. 444,704; published Aug. 5, 1941. Class 28.

Jacobs, Melvin H., doing business as Eaton Laboratories, Chicago, Ill. Saponaceous material for forming bubbles for use in the bath. 390,965–6; Oct. 14; Serial Nos. 443,934–5; published Aug. 5, 1941. Class 4.

Justice Drug Co. (See Gregg, J. D., assignor.)

Kaylon, Inc., New York, N. Y. Men's, women's, and children's pajamas. 390,929–30; Oct. 14; Serial Nos. 438,842–3; published July 29, 1941. Class 39.

Kees, F. D. Manufacturing Company, Beatrice, Nebr. Screen and storm sash hangers and braces, screen door guards, hooks and staples, etc. 390,949; Oct. 14; Serial No. 442,958; published Aug. 5, 1941. Class 13.

King Features Syndicate, Inc., New York, N. Y. Newspaper cartoons. 390,967; Oct. 14; Serial No. 443,981; published July 29, 1941. Class 38.

Kleinert, I. B., Rubber Company, New York, N. Y. Dress shields. 391,007; Oct. 14. Class 40.

Kleinert, I. B., Rubber Company, New York, N. Y. Dress shields. 391,009; Oct. 14. Class 40.

Korach Brothers, Chicago, Ill. Ladies' dresses. 390,976; Oct. 14; Serial No. 444,223; published July 29, 1941. Class 39.

Lopez, Arguelles, Bro. Inc. (See Arango y Arango.)

Love, K. C., Muskogee, Okla. Nonalcoholic maltless beverages and syrups, extracts, and flavors for making same. 391,012; Oct. 14. Class 45.

Lowe, Joe, Corporation, New York, N. Y. Frozen confections. 391,005; Oct. 14. Class 46.

Malt-A-Milk Company of America, Kansas City, Mo., assignor, by mesne assignments, to Cho-Cho Company, Milwaukee, Wis. Chocolate malted milk. 148,898; renewed Nov. 29, 1941.

Masury, John W., & Son, New York, N. Y. Ready-mixed and paste paints, varnishes, paint enamels, and stains. 390,950; Oct. 14; Serial No. 443,198; published July 15, 1941. Class 16.

Many, Blanc & Co., Inc., Chicago, Ill. Brandies. 390,932; Oct. 14; Serial No. 440,658; published July 1, 1941. Class 49.

Mayflower Dress Co., Inc., New York, N. Y. Ladies' and misses' dresses, dress and jacket ensembles, blouses, etc. 390,980–2; Oct. 14; Serial Nos. 444,268–70; published July 29, 1941. Class 39.

Merrill Woodenware Co., Merrill, Wis. Toothpicks. 391,016; Oct. 14. Class 44.

Michigan Metal Products Company, Battle Creek, Mich. Door-checks. 148,162; renewed Nov. 8, 1941.

Miller Chemical and Fertilizer Corporation, Baltimore, Md. Water soluble fertilizer. 390,997; Oct. 14; Serial No. 445,015; published Aug. 12, 1941. Class 10.

Miller, L., & Sons, Inc., Long Island City, N. Y. Ladies' shoes. 390,972; Oct. 14; Serial No. 444,157; published Aug. 5, 1941. Class 39.

Miller, Louise, West Somerville, Mass., assignor to J. Hubbard & Co., doing business as Odor-Never Co., Nashua, N. H. Prevention of excessive perspiration. 142,049; renewed May 3, 1941.

Minerva, Sociedad Anónima, Malaga, Spain. Alimentary oils. 150,477; renewed Jan. 3, 1942.

Morrell, John, & Co., Ottumwa, Iowa. Canned meat loaf. 390,944; Oct. 14; Serial No. 442,560; published Aug. 5, 1941. Class 46.

Mutual Garment Company, St. Louis, Mo. Women's and misses' slips and petticoats. 390,964; Oct. 14; Serial No. 443,813; published July 29, 1941. Class 39.

Mystic Foam Corporation, The, Cleveland, Ohio. Cleaner. 390,983; Oct. 14; Serial No. 444,271; published Aug. 5, 1941. Class 4.

National Bible Press. (See National Publishing Company.)

National Publishing Company, doing business as National Bible Press, Philadelphia, Pa. Compilations of the books of the Bible and Bible testaments. 390,948; Oct. 14; Serial No. 442,914; published Aug. 5, 1941. Class 38.

National Silver Company, New York, N. Y. Sterling silver and silver plated flatware, hollow-ware, and tableware. 390,991; Oct. 14; Serial No. 444,540; published Aug. 5, 1941. Class 28.

National Silver Company, New York, N. Y. Sterling silver and silver plated flatware, hollow-ware and tableware. 390,992; Oct. 14; Serial No. 444,542; published Aug. 5, 1941. Class 28.

Nebraska Consolidated Mills Company, The, Grand Island and Hastings, to Nebraska Consolidated Mills Company, Omaha, Nebr. Wheat-flour. 147,655; renewed Oct. 25, 1941.

Novel Slide Manufacturing Corporation, New York, N. Y. Slide fasteners. 390,954; Oct. 14; Serial No. 443,339; published Aug. 5, 1941. Class 13.

Odor-Never Co. (See Miller, Louise.)

Oneida Ltd. (See Rogers, Simeon L. & George H., Company, assignors.)

O'Toole-General Tire Company, Baltimore, Md. Pneumatic and solid rubber tires. 391,030; Oct. 14. Class 35.

Paget Manufacturing Company Limited, The, to Paget Manufacturing Company Pty. Limited, Sydney, Australia, successor. Cleansing composition and soap. 145,771; renewed Aug. 16, 1941.

Palmer, Charles M., Washington, D. C. Control handles associated with the depressible pedal for accelerator means. 390,917; Oct. 14; Serial No. 421,436; published Aug. 5, 1941. Class 23.

Phoenix Oil Company, The, Cleveland, Ohio. Chemical compound used for all metal surfaces and machinery as a rust preventive. 391,023; Oct. 14. Class 6.

Pine, William S., Los Angeles, Calif. Tool, valve seats, bushings, etc. 390,952; Oct. 14; Serial No. 443,235; published Aug. 5, 1941. Class 23.

Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Coats, dresses, jackets, outer and under skirts, etc. 390,955; Oct. 14; Serial No. 443,373; published July 22, 1941. Class 39.

Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Laundry washing machines. 391,019; Oct. 14. Class 24.

Pollak, Henry, Inc., New York, N. Y. Millinery braids. 390,933; Oct. 14; Serial No. 441,175; published Aug. 5, 1941. Class 40.

Portland Cordage Company, The, Portland, Oreg. Lariat-rope. 149,485; renewed Dec. 13, 1941.

Portland Cordage Company, The, Portland, Oreg. Lariat-ropes. 150,523; renewed Jan. 3, 1942.

Portland Cordage Company, The, Portland, Oreg. Transmission rope. 150,932; renewed Jan. 10, 1942.

Powell, Frank E., Tacoma, Wash. Device with movable indicators for domestic use for reminding of desired radio broadcasts. 390,920; Oct. 14; Serial No. 432,157; published Aug. 5, 1941. Class 26.

Pure Food Company, Inc., The, New York, N. Y. Bouillon cubes. 391,013; Oct. 14. Class 46.

Reliance Electric & Engineering Company, The, Cleveland, Ohio. Dynamo-electric machine. 390,984; Oct. 14; Serial No. 444,278; published Aug. 5, 1941. Class 21.

Rex Products Corporation, New York, N. Y. Unfilled vanity cases and compacts. 390,915; Oct. 14; Serial No. 416,480; published Aug. 5, 1941. Class 2.

Rock-Ola Manufacturing Corporation, Chicago, Ill. Phonograph record blanks. 390,953; Oct. 14; Serial No. 443,267; published Aug. 5, 1941. Class 36.

Rogers, Simeon L. & George H., Company, Hartford, Conn., assignor to Oneida Ltd., Sherrill and Oneida, N. Y. Silver-plated flat and hollow ware. 151,931; renewed Feb. 14, 1942.

Root Company, The, Bristol, assignor to Veeder-Root Incorporated, Hartford, Conn. Counting machines. 150,959; renewed Jan. 10, 1942.

Ryerson, Joseph T., & Son, Inc., Chicago, Ill. Steel. 390,977; Oct. 14; Serial No. 444,229; published Aug. 5, 1941. Class 14.

Safety Equipment Service Company, The, Cleveland, Ohio. Cloth and canvas leggings and boots used as protective devices for workers. 151,224; renewed Jan. 24, 1942.

Sandvikens Jernverks Aktiebolag, Sandviken, Sweden. Watch-springs. 142,326; renewed May 10, 1941.

Schwab, Armand, & Co., Inc., New York, N. Y. Wool felt hat bodies and hat hoods. 390,963; Oct. 14; Serial No. 443,741; published Aug. 5, 1941. Class 39.

Schwartz, B., & Co., Philadelphia, Pa. Boys' clothing. 390,936; Oct. 14; Serial No. 441,689; published Aug. 5, 1941. Class 39.

Sharaf, Jess, Incorporated, Boston, Mass. Women's dresses. 390,973; Oct. 14; Serial No. 444,161; published July 29, 1941. Class 39.

Sing-A-Tina Studio. (See Burbank, Kershaw.)

Snyder, Chas., Co., Inc., Salinas, Calif. Fresh vegetables. 390,959; Oct. 14; Serial No. 443,519; published Aug. 5, 1941. Class 46.

Sportowne Coat Co. Inc., New York, N. Y. Ladies' and misses' coats and suits. 390,957; Oct. 14; Serial No. 443,437; published July 29, 1941. Class 39.

Standard Computing Scale Company, The, Detroit, Mich. Air heating and humidifying and cooling and drying units. 390,931; Oct. 14; Serial No. 438,909; published Aug. 5, 1941. Class 34.

Standard Knitting Mills, Inc., Knoxville, Tenn. Athletic shirts, shorts, and knitted underwear. 390,993; Oct. 14; Serial No. 444,551; published July 29, 1941. Class 39.

Starobin, Samuel, New York, N. Y. Women's, ladies', and misses' coats, suits, capes, jackets, etc. 390,985; Oct. 14; Serial No. 444,287; published July 29, 1941. Class 39.

Stein-Hall Manufacturing Company, Chicago, Ill. Glues, adhesive gums, and adhesive pastes. 390,951; Oct. 14; Serial No. 443,210; published Aug. 5, 1941. Class 5.

Stewart & Ross Corporation, Long Island City, N. Y. Vitamin capsules. 390,999; Oct. 14. Class 6.

Style Metal Specialties, Inc., New York, N. Y. Brooches, jewelry clips, bar pins, etc. 391,021; Oct. 14. Class 28.

Sunlite Mfg. Company, The, Milwaukee, Wis. Ironing pads. 390,970; Oct. 14; Serial No. 444,130; published Aug. 5, 1941. Class 24.

Superior-Lawrence Bag Company, Middletown, Ohio. Paper bags. 390,974–5; Oct. 14; Serial Nos. 444,207–8; published Aug. 5, 1941. Class 2.

Superior-Lawrence Bag Company, Middletown, Ohio. Paper bags. 390,988–9; Oct. 14; Serial Nos. 444,474–5; published Aug. 5, 1941. Class 2.

Superior-Lawrence Bag Company, Middletown, Ohio. Paper bags. 390,990; Oct. 14; Serial No. 444,477; published Aug. 5, 1941. Class 2.

Swain, R. L., Tobacco Company, Inc., Danville, Va. Cigarettes and smoking tobacco. 391,018; Oct. 14. Class 17.

Teen Frocks, Inc., New York, N. Y. Misses' and girls' dresses, blouses, skirts, culottes, etc. 390,986; Oct. 14; Serial No. 444,289; published July 29, 1941. Class 39.

Tested Papers of America, Inc., Chicago, Ill. Sanitary napkins. 390,996; Oct. 14; Serial No. 444,807; published Aug. 5, 1941. Class 44.

Thornton, Harry C., doing business as Drug Specialty Company, Watsontown, Pa. Deodorant and air-conditioner. 391,014; Oct. 14. Class 6.

Titeflex Metal Hose Corporation, assignor to Titeflex Metal Hose Co., Newark, N. J. Pipe-couplings. 146,379; renewed Sept. 6, 1941.

Treesweet Products Co., Santa Ana, Calif. Canned citrus juices. 390,947; Oct. 14; Serial No. 442,737; published Aug. 5, 1941. Class 46.

Turner, Halsey Company, assignor to Harlomoor Company, Inc., New York, N. Y. Cotton textiles in the piece, bleached, dyed, and printed. 150,627; renewed Jan. 3, 1942.

Turoff, Wm. Jay, New York, N. Y. Women's, misses', and girls' dresses, coats, suits, blouses, etc. 390,934; Oct. 14; Serial No. 441,294; published July 29, 1941. Class 39.

Tyler, W. S., Company, The, Cleveland, Ohio. Vibrated-screen separating machines. 152,523; renewed Feb. 28, 1942.

Union Nurseries & Company, Ltd., Los Angeles, Calif. Flowers and plants. 391,029; Oct. 14. Class 1.

United States Shoe Corporation, The. (See Wise, Robert, Company, assignor.)

Van Dyk and Reeves Inc., assignor to Van Dyk & Reeves Inc., Brooklyn, N. Y. Dates. 146,389; renewed Sept. 6, 1941.

Veeder-Root Incorporated. (See Root Company, The, assignor.)

Vertin-Edmunds Company, Salinas, Calif. Fresh vegetables. 390,961–2; Oct. 14; Serial Nos. 443,738–9; published Aug. 5, 1941. Class 46.

Webb Coal Company, Port Huron, Mich. Coal. 390,998; Oct. 14. Class 1.

Wellington Sears Company, Incorporated, New York, N. Y. Piece goods all or in part of cotton, wool, rayon, etc. 391,026–7; Oct. 14. Class 42.

Williamson, Homer J., Inc., Indianapolis, Ind. Candy. 391,020; Oct. 14. Class 46.

Wise, Robert, Company, The, assignor to The United States Shoe Corporation, Cincinnati, Ohio. Shoes. 151,287; renewed Jan. 24, 1942.

Wool Novelty Co. Inc., New York, N. Y. Pieces of canvas partly embroidered for needlepoint work. 391,006; Oct. 14. Class 40.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Ayshire Patoka Collieries Corporation. 390,937; Oct. 14; Serial No. 441,848; published Aug. 5, 1941.

Coal. Charleston Sixth Vein Collieries Company. 391,028; Oct. 14.

Coal. Webb Coal Company. 390,998; Oct. 14.

Flowers and plants. Union Nurseries & Company. 391,029; Oct. 14.

Powder insulation. Harbison-Walker Refractories Company. 390,925; Oct. 14; Serial No. 436,341; published Aug. 5, 1941.

CLASS 2

Bags, Paper. Superior-Lawrence Bag Company. 390,974–5; Oct. 14; Serial Nos. 444,207–8; published Aug. 5, 1941.

Bags, Paper. Superior-Lawrence Bag Company. 390,988–9; Oct. 14; Serial Nos. 444,474–5; published Aug. 5, 1941.

Bags, Paper. Superior-Lawrence Bag Company. 390,990; Oct. 14; Serial No. 444,477; published Aug. 5, 1941.

Receptacles. Wm. E. Hooper & Sons Co. 151,173; renewed Jan. 24, 1942.

Vanity cases and compacts, Unfilled. Rex Products Corporation. 390,915; Oct. 14; Serial No. 416,480; published Aug. 5, 1941.

CLASS 4

Cleaner. Mystic Foam Corporation. 390,983; Oct. 14; Serial No. 444,271; published Aug. 5, 1941.

Cleansing composition and soap. Paget Manufacturing Company Limited. 145,771; renewed Aug. 16, 1941.

Saponaceous material. M. H. Jacobs. 390,965–6; Oct. 14; Serial Nos. 443,934–5; published Aug. 5, 1941.

CLASS 5

Glues, adhesive gums, and adhesive pastes. Stein-Hall Manufacturing Company. 390,951; Oct. 14; Serial No. 443,210; published Aug. 5, 1941.

Latex adhesives and dispersion fluid therefor. Celotex Corporation. 390,916; Oct. 14; Serial No. 419,658; published Aug. 5, 1941.

CLASS 6

Chemical compound used as a rust preventive. Phoenix Oil Company. 391,023; Oct. 14.

Deodorant and air-conditioner. H. C. Thornton. 391,014; Oct. 14.

Lactoalbuminous solution used for subcutaneous injections. P. Beiersdorf & Co. Inc. 151,673; renewed Feb. 14, 1942.

Medicine for use in the treatment of the liver. J. D. Gregg. 148,658; renewed Nov. 22, 1941.

Perfumes, sachets, talcum powder, etc. Cheramy, Inc. 151,446; renewed Feb. 7, 1942.

Perspiration, Prevention of excessive. L. Miller. 142,049; renewed May 3, 1941.

Preparation of liquid form for a treatment of skin diseases. H. Freed. 146,680; renewed Sept. 20, 1941.

Starches, dextrines, starch gums, etc. Clinton Company. 391,004; Oct. 14.

Vitamin capsules. Stewart & Ross Corporation. 390,999; Oct. 14.

CLASS 7

Rope, cord, and twine. Wm. E. Hooper & Sons Co. 151,172; renewed Jan. 24, 1942.

Rope, Lariat. Portland Cordage Company. 149,485; renewed Dec. 13, 1941.

Rope, Transmission. Portland Cordage Company. 150,932; renewed Jan. 10, 1942.

Ropes, Lariat. Portland Cordage Company. 150,523; renewed Jan. 3, 1942.

CLASS 8

Ash trays and pipe racks. Burwood Products Company. 390,927; Oct. 14; Serial No. 437,806; published Aug. 5, 1941.

CLASS 10

Fertilizer, Water soluble. Miller Chemical and Fertilizer Corporation. 390,997; Oct. 14; Serial No. 445,015; published Aug. 12, 1941.

CLASS 13

Door-checks. Michigan Metal Products Company. 148,162; renewed Nov. 8, 1941.

Fasteners, Slide. Novel Slide Manufacturing Corporation. 390,954; Oct. 14; Serial No. 443,339; published Aug. 5, 1941.

Hangers and braces, screen door guards, hooks and staples, Screen and storm sash. F. D. Kees Manufacturing Company. 390,949; Oct. 14; Serial No. 442,958; published Aug. 5, 1941.

Pipe-couplings. Titeflex Metal Hose Corporation. 146,379; renewed Sept. 6, 1941.

Springs, and set screws, cap nuts, and turned knobs, Coil and flat. Humason Manufacturing Company. 150,853; renewed Jan. 10, 1942.

CLASS 14

Cast-iron welding sticks or rods. Davis-Bournonville Company. 150,786; renewed Jan. 10, 1942.

Steel. J. T. Ryerson & Son, Inc. 390,977; Oct. 14; Serial No. 444,229; published Aug. 5, 1941.

Steel rods, bars, blooms, etc. Crucible Steel Company of America. 390,968–9; Oct. 14; Serial Nos. 444,037–8; published Aug. 5, 1941.

CLASS 15

Petroleum jelly, oil petrol, white mineral oil, etc. Chesebrough Manufacturing Company. 151,099; renewed Jan. 24, 1942.

CLASS 16

Paint for finishing interior walls, ceilings, and woodwork, Flat. Indiana Indestructible Paint Co. 148,865; renewed Nov. 29, 1941.

Paints, varnishes, paint enamels, and stains, Ready-mixed and paste. J. W. Masury & Son. 390,950; Oct. 14; Serial No. 443,198; published July 15, 1941.

Polish for pianos and automobiles. Dresso Polish Co. 147,305; renewed Oct. 11, 1941.

CLASS 17

Cigars. Arango y Arango. 390,922; Oct. 14; Serial No. 432,914; published Sept. 10, 1940.

Cigarettes and smoking tobacco. R. L. Swain Tobacco Company. 391,018; Oct. 14.
Tobacco, chewing and smoking. Consolidated Companies Inc. 152,375; renewed Feb. 28, 1942.

CLASS 21

Dynamo-electric machine. Reliance Electric & Engineering Company. 390,984; Oct. 14; Serial No. 444,278; published Aug. 5, 1941.
Electric generating plants. Home Electric Lighting Company. 151,508; renewed Feb. 7, 1942.
Electric vehicle light. A. M. Conley. 391,001; Oct. 14.
Registers, Rotatably driven. P. P. Horni. 390,913–14; Oct. 14; Serial Nos. 407,672–3; published Aug. 5, 1941.
Spark coil for use with an ignition system for an internal combustion engine, Emergency. General Products Corporation. 391,022; Oct. 14.
Switches, Electrical control. Fairfield Engineering Company. 390,979; Oct. 14; Serial No. 444,259; published Aug. 5, 1941.

CLASS 22

Toy railroad accessories, trains, locomotives, etc. A. C. Gilbert Company. 390,995; Oct. 14; Serial No. 444,761; published Aug. 5, 1941.
Toys, Outdoor. Gimbel Brothers, Inc. 390,939; Oct. 14; Serial No. 442,124; published Aug. 5, 1941.

CLASS 23

Apparatus for the treatment of solids suspended in liquids. Dorr Company. 390,978; Oct. 14; Serial No. 444,258; published Aug. 5, 1941.
Bushings and bearings. American Bronze Corporation. 151,418; renewed Feb. 7, 1942.
Control handles. C. M. Palmer. 390,917; Oct. 14; Serial No. 421,436; published Aug. 5, 1941.
Cutting machine, Abrasive. American Chain & Cable Company. 390,941; Oct. 14; Serial No. 442,225; published Aug. 5, 1941.
Machinery, Textile. Dayton Rubber Manufacturing Company. 391,011; Oct. 14.
Saws. H. Disston & Sons, Incorporated. 390,924; Oct. 14; Serial No. 433,653; published Aug. 5, 1941.
Screen separating machines, Vibrated. W. S. Tyler Company. 152,523; renewed Feb. 28, 1942.
Tool, valve seats, bushings, etc. W. S. Pine. 390,952; Oct. 14; Serial No. 443,235; published Aug. 5, 1941.
Tools, Cutting and forming small. Darwin & Milner, Inc. 151,450; renewed Feb. 7, 1942.

CLASS 24

Identification appliances for use in laundries. American Laundry Machinery Company. 390,919; Oct. 14; Serial No. 426,937; published Aug. 5, 1941.
Ironing pads. Sunlite Mfg. Company. 390,870; Oct. 14; Serial No. 444,130; published Aug. 5, 1941.
Washing machines, wringers, dryers, etc., Clothes. Blackstone Corporation. 391,010; Oct. 14.
Washing machines, Laundry. Plymouth Wholesale Dry Goods Corporation. 391,019; Oct. 14.

CLASS 26

Counting machines. Root Company. 150,959; renewed Jan. 10, 1942.
Device with movable indicators. F. E. Powell. 390,920; Oct. 14; Serial No. 432,157; published Aug. 5, 1941.
Photographic enlargers, parts thereof and/or accessories therefor. Eastman Kodak Company. 391,017; Oct. 14.

CLASS 27

Watch-springs. Sandvikens Jernverks Aktiebolag. 142,326; renewed May 10, 1941.

CLASS 28

Brooches, jewelry clips, bar pins, etc. Style Metal Specialties, Inc. 391,021; Oct. 14.
Flat-ware and hollow-ware, Silver plated. International Silver Company. 390,994; Oct. 14; Serial No. 444,704; published Aug. 5, 1941.
Flatware and hollow-ware, Sterling silver. International Silver Company. 390,987; Oct. 14; Serial No. 444,380; published Aug. 5, 1941.
Necklaces and bracelets, finger rings, etc. American and Continental Patented Products Inc. 390,958; Oct. 14; Serial No. 443,474; published Aug. 5, 1941.
Necklaces, bracelets, earrings, brooches, etc. Ben Felsenthal & Co. Inc. 391,008; Oct. 14.
Silver and silver plated flatware, hollow ware, and tableware, Sterling. National Silver Company. 390,991; Oct. 14; Serial No. 444,540; published Aug. 5, 1941.
Silver and silver plated flatware, hollowware and tableware, Sterling. National Silver Company. 390,992; Oct. 14; Serial No. 444,542; published Aug. 5, 1941.
Silver-plated flat and hollow ware. Simeon L. and George H. Rogers Company. 151,931; renewed Feb. 14, 1942.

CLASS 34

Furnaces, Fluid and solid fuel burning. Borg-Warner Corporation. 390,926; Oct. 14; Serial No. 437,804; published Aug. 5, 1941.
Heaters, Gas water. Combustion Engineering Company. 390,942; Oct. 14; Serial No. 442,390; published Aug. 5, 1941.
Heating and humidifying and cooling and drying units, Air. Standard Computing Scale Company. 390,931; Oct. 14; Serial No. 438,909; published Aug. 5, 1941.

CLASS 35

Belting, hose, filter tubing, and brake banding. Wm. E. Hooper & Sons Co. 151,809; renewed Feb. 14, 1942.
Tires, Pneumatic and solid rubber. O'Toole-General Tire Company. 391,030; Oct. 14.

CLASS 36

Acoustic device, Musical. K. Burbank. 390,956; Oct. 14; Serial No. 443,397; published Aug. 5, 1941.
Record blanks, Phonograph. Rock-Ola Manufacturing Corporation. 390,953; Oct. 14; Serial No. 443,267; published Aug. 5, 1941.
Reeds for musical instruments. H. Chiron Co. 390,946; Oct. 14; Serial No. 442,690; published Aug. 5, 1941.

CLASS 37

Crayons. Catechetical Guild, Inc. 390,935; Oct. 14; Serial No. 441,499; published Aug. 5, 1941.
Index strips, Gummed cloth. Goldsmith Bros. 390,940; Oct. 14; Serial No. 442,169; published Aug. 5, 1941.
Paper napkins. Diamond Match Company. 391,025; Oct. 14.

CLASS 38

Books of the Bible and Bible testaments, Compilations of the. National Publishing Company. 390,948; Oct. 14; Serial No. 442,914; published Aug. 5, 1941.
Cartoons, Newspaper. King Features Syndicate, Inc. 390,967; Oct. 14; Serial No. 443,981; published July 29, 1941.
Decalcomanias. American Decalcomania Co. 390,921; Oct. 14; Serial No. 432,370; published Aug. 5, 1941.
Magazine. R. K. Hillman. 390,945; Oct. 14; Serial No. 442,629; published Aug. 5, 1941.
Pictures, Printed. Colour Incorporated. 390,918; Oct. 14; Serial No. 425,557; published Aug. 5, 1941.

CLASS 39

Clothing, Boys'. B. Schwartz & Co. 390,936; Oct. 14; Serial No. 441,689; published Aug. 5, 1941.
Coats and suits, Ladies' and misses'. Sportowne Coat Co. Inc. 390,957; Oct. 14; Serial No. 443,437; published July 29, 1941.
Coats, dresses, jackets, outer and under skirts, etc. Plymouth Wholesale Dry Goods Corporation. 390,955; Oct. 14; Serial No. 443,373; published July 22, 1941.
Coats, jackets, wind-breakers, etc., Men's sport. Botany Worsted Mills. 390,960; Oct. 14; Serial No. 443,595; published July 29, 1941.
Coats, suits, capes, etc. S. Starobin. 390,985; Oct. 14; Serial No. 444,287; published July 29, 1941.
Dresses. Korach Brothers. 390,976; Oct. 14; Serial No. 444,223; published July 29, 1941.
Dresses. Jess Sharaf Incorporated. 390,973; Oct. 14; Serial No. 444,161; published July 29, 1941.
Dresses, blouses, skirts, etc. Teen Frocks, Inc. 390,986; Oct. 14; Serial No. 444,289; published July 29, 1941.
Dresses, coats, suits, blouses, etc. Wm. J. Turoff. 390,934; Oct. 14; Serial No. 441,294; published July 29, 1941.
Dresses, dress and jacket ensembles, blouses, etc. Mayflower Dress Co. 390,980–2; Oct. 14; Serial Nos. 444,268–70; published July 29, 1941.
Hat bodies and hat hoods, Wool felt. Schwab, Armand, & Co. 390,963; Oct. 14; Serial No. 443,741; published Aug. 5, 1941.
Leggings and boots, Cloth and canvas. Safety Equipment Service Company. 151,224; renewed Jan. 24, 1942.
Pajamas. Kaylon, Inc. 390,929–30; Oct. 14; Serial Nos. 438,842–3; published July 29, 1941.
Scarfs, stockings, sockets, and sweaters of textile fabric. F. C. Huyck & Sons. 147,333; renewed Oct. 11, 1941.
Shirts, shorts, and knitted underwear, Athletic. Standard Knitting Mills, Inc. 390,993; Oct. 14; Serial No. 444,551; published July 29, 1941.
Shoes. I. Miller & Sons, Inc. 390,972; Oct. 14; Serial No. 444,157; published Aug. 5, 1941.
Shoes. Robert Wise Company. 151,287; renewed Jan. 24, 1942.
Slips and petticoats. Mutual Garment Company. 390,964; Oct. 14; Serial No. 443,813; published July 29, 1941.
Wearing apparel, Ladies'. A. Harris & Company. 391,003; Oct. 14.

CLASS 40

Braids, Millinery. Henry Pollak Inc. 390,933; Oct. 14; Serial No. 441,175; published Aug. 5, 1941.
Canvas, Pieces of. Wool Novelty Co. Inc. 391,006; Oct. 14.
Dress shields. I. B. Kleinert Rubber Company. 391,007; Oct. 14.
Dress shields. I. B. Kleinert Rubber Company. 391,009; Oct. 14.

CLASS 42

Fabrics and cotton cloths, Netted and knitted. Wm. E. Hooper & Sons Co. 150,411; renewed Jan. 3, 1942.
Fabrics, comprising chambrays and coverts, Cotton. Avondale Mills. 391,024; Oct. 14.
Fabrics, Textile. John Boyle & Company. 150,746; renewed Jan. 10, 1942.
Piece goods. Wellington Sears Company. 391,026–7; Oct. 14.
Piece goods, Printed, dyed, and bleached cotton. Calico Printers' Association, Limited. 391,002; Oct. 14.
Suitings in the piece, Woolen and worsted. John Hallidal and Sons, Limited. 391,000; Oct. 14.
Textiles in the piece, bleached, dyed, and printed, Cotton. Turner, Halsey Company. 150,627; renewed Jan. 3, 1942.

CLASS 43

Cotton or cotton thread, Spool. J. & P. Coats, Limited. 20,625; re-renewed Jan. 19, 1942.
Cotton or cotton thread, Spool. J. & P. Coats, Limited. 20,527; re-renewed Dec. 29, 1941.
Cotton thread or spool cotton. J. & P. Coats, Limited. 20,526; re-renewed Dec. 29, 1941.

CLASS 44

Sanitary napkins. Tested Papers of America, Inc. 390,996; Oct. 14; Serial No. 444,807; published Aug. 5, 1941.
Toothpicks. Merrill Woodenware Co. 391,016; Oct. 14.

CLASS 45

Beverages and syrups, extracts, and flavors used in making same, Nonalcoholic maltless. K. C. Love. 391,012; Oct. 14.

CLASS 46

Alimentary oils. Minerva, Sociedad Anónima. 150,477; renewed Jan. 3, 1942.
Bouillon cubes. Pure Food Company. 391,013; Oct. 14.
Candy. Homer J. Williamson, Inc. 391,020; Oct. 14.
Canned cantaloupe juice. L. Chelhar. 390,943; Oct. 14; Serial No. 442,517; published Aug. 5, 1941.
Canned cherries. Fruits Growers Co-Operative. 390,938; Oct. 14; Serial No. 442,006; published Aug. 5, 1941.
Canned citrus juices. Treesweet Products Co. 390,947; Oct. 14; Serial No. 442,737; published Aug. 5, 1941.
Canned meat loaf. John Morrell & Co. 390,944; Oct. 14; Serial No. 442,560; published Aug. 5, 1941.
Canned vegetables. Inderrieden Canning Co. 151,816; renewed Feb. 14, 1942.
Cereals, Breakfast. Hecker Products Corporation. 390,928; Oct. 14; Serial No. 438,572; published Aug. 5, 1941.
Citrus fruits, Fresh. Canoga Citrus Association. 390,971; Oct. 14; Serial No. 444,134; published Aug. 5, 1941.
Confections, Frozen. Joe Lowe Corporation. 391,005; Oct. 14.
Dates. Van Dyk and Reeves Inc. 146,389; renewed Sept. 6, 1941.
Malted milk, Chocolate. Malt-A-Milk Company of America. 148,898; renewed Nov. 29, 1941.
Milk, Evaporated. Borden Company. 390,923; Oct. 14; Serial No. 433,598; published Aug. 5, 1941.
Vegetables, Fresh. E. E. Harden. 391,015; Oct. 14.
Vegetables, Fresh. Chas. Snyder Co. 390,959; Oct. 14; Serial No. 443,519; published Aug. 5, 1941.
Vegetables, Fresh. Vertin-Edmunds Company. 390,961–2; Oct. 14; Serial Nos. 443,738–9; published Aug. 5, 1941.
Wheat-flour. Nebraska Consolidated Mills Company. 147,655; renewed Oct. 25, 1941.

CLASS 49

Brandies. Many, Blanc & Co. 390,932; Oct. 14; Serial No. 440,658; published July 1, 1941.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 14TH DAY OF OCTOBER, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Electric valve circuit. Re. 21,919; Oct. 14.

Bechman, William O., and R. A. Holmberg, Chicago, Ill., assignors to International Harvester Company. Wheel. Re. 21,920; Oct. 14.

General Electric Company. (See Alexanderson, Ernst F. W., assignor.)

Glauber Brass Manufacturing Company, The. (See Smith, Horace S., assignor.)

Greulich, Gerald G., Mount Lebanon, Pa. Welded structural member. Re. 21,921; Oct. 14.

Holmberg, Rudolph A. (See Bechman, W. O., and Holmberg.)

Hopff, Heinrich, Ludwigshafen-on-the-Rhine, Germany, assignor, by mesne assignments, to Winthrop Chemical Company, Inc., New York, N. Y. Production of alcohols. Re. 21,922; Oct. 14.

International Harvester Company. (See Holmberg, R. A., and Bechman, assignors.)

Mizer, Joseph J., Racine, Wis., assignor to Walker Manufacturing Company of Wisconsin. Lifting mechanism. Re. 21,923; Oct. 14.

Mueller, Harald C., Winnetka, assignor to The Powers Regulator Company, Chicago, Ill. Damper control for unit heaters. Re. 21,924; Oct. 14.

Powers Regulator Company, The. (See Mueller, Harald C., assignor.)

Smith, Horace S., assignor to The Glauber Brass Manufacturing Company, Kinsman, Ohio. Sink fixture. Re. 21,925; Oct. 14.

Walker Manufacturing Company of Wisconsin. (See Mizer, Joseph, assignor.)

Winthrop Chemical Company. (See Hopff, Heinrich, assignor.)

LIST OF DESIGN PATENTEES

Anderson, Alvin W., Granger, Wyo. Pack-rope securing device. 129,913; Oct. 14.

Andis, Mathew, Racine, Wis. Hair clipper casing. 129,973; Oct. 14.

Andis, Mathew, Racine, Wis. Hair clipper casing. 129,974; Oct. 14.

Arver, Laura, Aurora, Ill. Dress ensemble. 129,988; Oct. 14.

Autoyre Company, The. (See Sanford, Roy S., assignor.)

Axelrad, Ben, New York, N. Y. Dress. 129,989; Oct. 14.

Bernhardt, Rudolph, Chicago, Ill. Serving tongs or similar article. 129,956; Oct. 14.

Bingham, George H., Jr., Lincoln, assignor to Cambridge Rubber Co., Chambridge, Mass. Rubber boot. 129,914; Oct. 14.

Blum, Arthur, Brooklyn, N. Y. Spectacle frame. 129,915; Oct. 14.

Bohland, Gustav, Miami Beach, Fla. Game board. 129,916; Oct. 14.

Buckingham, John D., assignor to Lucien Lelong, Inc., Chicago, Ill. Cologne bottle or similar article. 129,957; Oct. 14.

Bulova Watch Company. (See Lux, Eugene, assignor.)

Cadwallader, Robert, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Lamp lens. 129,917; Oct. 14.

Cambridge Rubber Co. (See Bingham, George H., Jr., assignor.)

Chess, Mary, Inc. (See Robinson, Grace C., assignor.)

Christen, Marcel, New York, N. Y. Textile fabric. 129,958; Oct. 14.

Christen, Marcel, New York, N. Y. Textile fabric. 129,959; Oct. 14.

Christen, Marcel, New York, N. Y. Textile fabric. 129,975; Oct. 14.

Chrysler Corporation. (See Cadwallader, Robert, assignor.)

Clement, Theodore G., Rochester, N. Y. Projector. 129,990; Oct. 14.

Conroy, Edward J., assignor to International Silver Company, Meriden, Conn. Spoon or other article of flatware. 129,991; Oct. 14.

Cree, A. A., et al. (See Dean, Frank H., assignor.)

Dean, Frank H., assignor of sixteen and one-third per cent to A. A. Cree, sixteen and one-third per cent to H. J. Goff, and sixteen and one-third per cent to E. O. Setzer, Stockton, Calif. Game board. 129,992; Oct. 14.

Derham, Philip A., and Jesse H. Newport, Jr., Rosemont, Pa., assignors to Victor Metal Products Corporation, Brooklyn, N. Y. Rouge box. 129,960; Oct. 14.

Detroit Harvester Company. (See Floraday, Burton S., assignor.)

Doty, Chester C., Silver Creek, N. Y. Pipe bit. 129,961; Oct. 14.

Dreyfuss, Henry, New York, N. Y., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control instrument casing. 129,962; Oct. 14.

Dreyfuss, Henry, New York, N. Y., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control instrument casing. 129,976; Oct. 14.

Eck, William, assignor to Wisconsin Aluminum Foundry Co., Inc., Manitowoc, Wis. Cooking vessel. 129,963; Oct. 14.

Fishlove, Irving H. (See Kolar, Joseph J., assignor.)

Floraday, Burton S., Toledo, Ohio, assignor to Detroit Harvester Company, Detroit, Mich. Vehicle door handle. 129,918; Oct. 14.

Floraday, Burton S., Toledo, Ohio, assignor to Detroit Harvester Company, Detroit, Mich. Regulator handle for vehicle doors. 129,919; Oct. 14.

Forsberg, Axel A., Stora Essingen, Sweden. Vacuum cleaner. 129,993; Oct. 14.

Gaulke, John E. (See Kodama, George T., assignor.)

General Electric Company. (See Petzold, William B., assignor.)

General Motors Corporation. (See Hamilton, H. L., Otter, and Meyer, assignors.)

General Motors Corporation. (See Loewy, Raymond, assignor.)

Gershuny, Abe, New York, N. Y. Dress. 130,003; Oct. 14.

Goff, H. J., et al. (See Dean, Frank H., assignor.)

Good Seed Company. (See Patton, Frank H., assignor.)

Gorski, Julian, Brooklyn, N. Y. Electric rim stretcher for spectacle frames. 129,994; Oct. 14.

Grand Rapids Store Equipment Company. (See Williams, Paul G., assignor.)

Gross, Henry H., Brooklyn, N. Y. Slipper. 129,920; Oct. 14.

Hamilton, Harold L., Los Altos, Calif., W. D. Otter, Oak Park, Ill., and P. A. Meyer, assignors to General Motors Corporation, Detroit, Mich. Two-unit locomotive body. 129,964; Oct. 14.

Hamilton, Harold L., Los Altos, Calif., W. D. Otter, Oak Park, Ill., and P. A. Meyer, assignors to General Motors Corporation, Detroit, Mich. Two-unit locomotive body. 129,995; Oct. 14.

Hamilton, Harold L., Los Altos, Calif., W. D. Otter, Oak Park, Ill., and P. A. Meyer, assignors to General Motors Corporation, Detroit, Mich. Two-unit locomotive body. 129,996; Oct. 14.

Horn and Hardart Baking Co. (See Lowther, Leonard W., assignor.)

Hurwitz, Bernard, New York, N. Y. Dress. 130,004; Oct. 14.

Hygrade Sylvania Corporation. (See MacCarthy, Charles F., assignor.)

International Silver Company. (See Conroy, Edward J., assignor.)

Irelan, Frank H., Dayton, Ohio. Medal. 129,965; Oct. 14.

Irmischer, Paul H., Chicago, Ill. Lamp head. 129,921; Oct. 14.

Irmischer, Paul H., Chicago, Ill. Lamp head. 129,922; Oct. 14.

Jacobson, Rose, New York, N. Y. Hat or similar article. 129,997; Oct. 14.

Kaltenbach, Irene B., Los Angeles, Calif. Lip-stick applicator. 129,923; Oct. 14.

Kaperst, Philip, New York, N. Y. Dress. 130,005; Oct. 14.

Kessler, Charles J., Cleveland Heights, assignor to Perfection Stove Company, Cleveland, Ohio. Heating stove. 129,938; Oct. 14.

Kodama, George T., assignor to J. E. Gaulke, Milwaukee, Wis. Coin actuated calendar bank. 129,939; Oct. 14.

Kolar, Joseph J., Wheaton, assignor to I. H. Fishlove, Chicago, Ill. Smoking pipe and the like. 129,966; Oct. 14.
Lambert, Frank B., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control instrument casing. 129,967; Oct. 14.
Lamothe, Paul H., Jersey City, N. J. Combined display frame and clock. 129,998; Oct. 14.
Lelong, Lucien, Inc. (See Buckingham, John D., assignor.)
Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc. Connecting yoke for tractor and trailer. 129,999; Oct. 14.
Le Tourneau, R. G., Inc. (See Le Tourneau, Robert G., assignor.)
Lightfoot Schultz Company. (See Williamson, Marshall I., assignor.)
Loewy, Raymond, New York, N. Y., assignor to General Motors Corporation, Dayton, Ohio. Refrigerator cabinet. 130,000; Oct. 14.
Lowther, Leonard W., Merchantville, N. J., assignor to Horn and Hardart Baking Co., Philadelphia, Pa. Restaurant counter. 129,924; Oct. 14.
Lux, Eugene, assignor to Bulova Watch Company, Incorporated, New York, N. Y. Display box. 129,925; Oct. 14.
MacCarthy, Charles F., assignor to Hygrade Sylvania Corporation, Salem, Mass. Fluorescent lamp fixture. 129,940; Oct. 14.
McCoy, Marion, St. Louis, Mo. Dress. 130,006; Oct. 14.
Meyer, Paul A. (See Hamilton, H. L., Otter, and Meyer.)
Minneapolis-Honeywell Regulator Company. (See Dreyfuss, Henry, assignor.)
Minneapolis-Honeywell Regulator Company. (See Lambert, Frank B., assignor.)
Morris, Gilbert L., Cleveland, Ohio. Dog collar or similar article. 130,001; Oct. 14.
National Vendors, Inc. (See Thelander, Clement C. J., assignor.)
Newport, Jesse H., Jr. (See Derham, P. A., and Newport, Jr.)
Oswell, Benjamin M., Los Angeles, Calif. Display case. 130,002; Oct. 14.
Otter, William D. (See Hamilton, H. L., Otter, and Meyer.)
Patton, Frank H., assignor to Good Seed Company, Inc., Freedonia, N. Y. Display stand. 129,926; Oct. 14.
Peat, Roy L., Huntington Park, assignor to Plastic and Die Cast Products Corporation, Los Angeles, Calif. Drawer pull. 129,927; Oct. 14.
Pellegrin, Elmer D., Woodstock, assignor to Geo. D. Roper Corporation, Rockford, Ill. Pitcher-spout pump. 129,928; Oct. 14.
Perfection Stove Company. (See Kessler, Charles J., assignor.)
Perfection Stove Company. (See Rausch, Karl W., assignor.)
Perfection Stove Company. (See Resek, Marc, assignor.)
Peters, Lewis E., assignor to R. M. Price, Chicago, Ill., doing business under the name of Raymond M. Price and Associates. Illuminable advertising sign. 129,941; Oct. 14.
Petzold, William B., Pittsfield, Mass., assignor to General Electric Company. Lipstick container. 129,942; Oct. 14.
Petzold, William B., Pittsfield, Mass., assignor to General Electric Company. Lipstick container. 129,943; Oct. 14.
Petzold, William B., Pittsfield, Mass., assignor to General Electric Company. Lipstick container. 129,944; Oct. 14.
Philippe, Alfred, New York, N. Y. Earring or similar article. 129,977; Oct. 14.
Philippe, Alfred, New York, N. Y. Earring or similar article. 129,978; Oct. 14.
Philippe, Alfred, New York, N. Y. Earring or similar article. 129,979; Oct. 14.
Philippe, Alfred, New York, N. Y. Earring or similar article. 129,980; Oct. 14.
Philippe, Alfred, New York, N. Y. Earring or similar article. 129,981; Oct. 14.
Philippe, Alfred, New York, N. Y. Earring or similar article. 129,982; Oct. 14.
Philippe, Alfred, New York, N. Y. Earring or similar article. 129,983; Oct. 14.
Philippe, Alfred, New York, N. Y. Earring or similar article. 129,984; Oct. 14.
Plastic and Die Cast Products Corporation. (See Peat, Roy L., assignor.)
Pressman, Jacob, New York, N. Y. Toy work bench. 129,929; Oct. 14.
Price, Raymond M. (See Peters, Lewis E., assignor.)
Punzak, Joseph F., assignor to United Metal Goods Manufacturing Co., Inc., Brooklyn, N. Y. Clock. 130,012; Oct. 14.
Ranney, Fred T., Minneapolis, Minn. Combination filler and valve for gasoline tanks or the like. 130,007; Oct. 14.
Rausch, Karl W., Cleveland Heights, assignor to Perfection Stove Company, Cleveland, Ohio. Heating stove. 129,945; Oct. 14.
Resek, Marc, Cleveland Heights, assignor to perfection Stove Company, Cleveland, Ohio. Heating stove. 129,946; Oct. 14.
Robbins & Myers, Inc. (See Wilcoxson, Arthur F., assignor.)
Robinson, Grace C., assignor to Mary Chess, Inc., New York, N. Y. Bottle or similar container. 129,968; Oct. 14.
Roche, William J., New York, N. Y. Stretchable textile fabric. 129,969; Oct. 14.
Roper, Geo. D., Corporation. (See Pellegrin, Elmer D., assignor.)
Saloff, Frieda B., New York, N. Y. Dress. 130,008; Oct. 14.
Sanford, Roy S., assignor to The Autoyre Company, Incorporated, Oakville, Conn. Towel rack. 129,947; Oct. 14.
Sanford, Roy S., assignor to The Autoyre Company, Incorporated, Oakville, Conn. Towel rack. 129,948; Oct. 14.
Sanford, Roy S., assignor to The Autoyre Company, Incorporated, Oakville, Conn. Towel rack. 129,949; Oct. 14.
Sanford, Roy S., assignor to The Autoyre Company, Incorporated, Oakville, Conn. Towel rack. 129,950; Oct. 14.
Sauer, Robert A., Butte Meadows, Calif. Game board. 129,930; Oct. 14.
Scateni, Enio, Chicago, Ill. Combined manicure stand and lamp. 129,951; Oct. 14.
Schultz, William F., Ripon, Wis. Casing for a liquid measuring apparatus. 129,931; Oct. 14.
Setzer, E. O., et al. (See Dean, Frank H., assignor.)
Smith, Howard H., Lock Haven, Pa. Electric lamp. 129,932; Oct. 14.
Sparks Machine Tool Corporation, The. (See Sparks, Stanley W., assignor.)
Sparks, Stanley W., assignor to The Sparks Machine Tool Corporation, Norwalk, Conn. Lathe. 130,009; Oct. 14.
Steczynski, Myron E., Chicago, Ill. Service back bar counter. 129,952; Oct. 14.
Steczynski, Myron E., Chicago, Ill. Service back bar counter. 129,953; Oct. 14.
Steczynski, Myron E., Chicago, Ill. Service back bar counter. 129,954; Oct. 14.
Steczynski, Myron E., Chicago, Ill. Service back bar counter. 129,955; Oct. 14.
Sutcliffe, Harry L., New York, N. Y. Shoe. 129,985; Oct. 14.
Thelander, Clement C. J., Chicago, Ill., assignor to National Vendors, Inc., St. Louis, Mo. Vending machine. 129,933; Oct. 14.
United Metal Goods Manufacturing Co. (See Punzak, Joseph F., assignor.)
Valentine, Arthur H., Wichita, Kans. Portable building. 129,934; Oct. 14.
Vallée, Julia, New York, N. Y. Dress. 129,986; Oct. 14.
Victor Metal Products Corporation. (See Derham, P. A., and Newport, assignor.)
Walker, Joset, New York, N. Y. Dress. 129,987; Oct. 14.
Wenzow, Michael J., Chicago, Ill. Airplane. 129,970; Oct. 14.
Wilcoxson, Arthur F., assignor to Robbins & Myers, Inc., Springfield, Ohio. Ventilating fan. 129,935; Oct. 14.
Williams, Paul G., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich. Display case. 129,936; Oct. 14.
Williamson, Marshall I., assignor to Lightfoot Schultz Company, New York, N. Y. Merchandise dispensing carton. 129,971; Oct. 14.
Wisconsin Aluminum Foundry Co. (See Eck, William, assignor.)
Wolff, Malvina, New York, N. Y. Dress. 130,010; Oct. 14.
Wolff, Malvina, New York, N. Y. Dress. 130,011; Oct. 14.
Wrigley, Philip K., Chicago, Ill. Drawer pull. 129,937; Oct. 14.
Young, Fred M., Racine, Wis. Oil cooling unit. 129,972; Oct. 14.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 14TH DAY OF OCTOBER, 1941

NOTE.--Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott Laboratories. (See Raiziss, G. W., Clemence, and Kremens, assignors.)
Abel, E. Reed. (See Gulley, Ennis A., assignor.)
Adams, Arthur H., Jr., F. D. Leech, and H. Epstein, assignors to Colorspace Patent Corporation, Newark, N. J. Textile fabric. 2,259,283; Oct. 14.
Adams, Arthur H., Jr. (See Leech, F. D., and Adams.)
Adams, Elmer W., Hammond, Ind., and T. E. Sharp, assignors to Standard Oil Company, Chicago, Ill. Insecticidal oil spray. 2,258,833; Oct. 14.
Adams, Paul G. (See Lewis, R. H., and Adams.)
Addressograph-Multigraph Corporation. (See Richter, Elmer F., assignor.)
Aetna Standard Engineering Company, The. (See Matteson, E. A., and Bowman, assignors.)
Agnew, Norman F., and W. P. Place, Wilkinsburg, Pa. Electrical fence charging apparatus. 2,258,609; Oct. 14.
Ahrens, Robert S., assignor to Seeger Refrigerator Company, St. Paul, Minn. Refrigerator illuminating means. 2,259,147; Oct. 14.
Aiello, Venry, Sr., assignor of one-third to A. K. Slack, Kenosha, Wis. Blade sharpener. 2,259,095; Oct. 14.
Ainslie Knitting Machine Company. (See Imbriani, Louis, assignor.)
Air Reduction Company. (See Anderson, James L., assignor.)
Aktiengesellschaft Dynamit Nobel. (See Müller, W. J., and Niessner, assignors.)
Albee, Ray L., Midland, Mich. Motor vehicle accessory. 2,258,922; Oct. 14.
Aldeen, Gedor W., assignor to American Cabinet Hardware Corp., Rockford, Ill. Chest structure. 2,258,838; Oct. 14.
Alden, Milton, Brockton, Mass. Socket. 2,259,096; Oct. 14.
All America Cables, Incorporated. (See Peterman, William C., assignor.)
Allen, Norval D., Seguin, Tex. Stem for core drills. 2,259,191; Oct. 14.
Allen, Raymond W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Mixing mill. 2,259,058; Oct. 14.
Altorfer Brothers Company. (See Castricone, John A., assignor.)
Aluminum Company of America. (See Hoglund, Gustav O., assignor.)
American Anode Inc. (See Hansen, Merrill E., assignor.)
American Bosch Corporation. (See Schwarzmann, Wolfgang E., assignor.)
American Brake Shoe and Foundry Company, The. (See Dewey, W. R., and Spokes, assignors.)
American Cabinet Hardware Corp. (See Aldeen, Gedor W., assignor.)
American Can Company. (See Hothersall, John M., assignor.)
American Cyanamid Company. (See Davis, Arnold R., assignor.)
American Cyanamid Company. (See Jayne, D. W., and Lento, assignors.)
American Cyanamid Company. (See Kienle, R. H., and Pelker, assignors.)
American Cyanamid Company. (See Thurston, J. T., and Kaiser, assignors.)
American Forging & Socket Company, The. (See Tracht, Irwin, assignor.)
American Foundry Equipment Company, The. (See Turnbull, David C., assignor.)
American Hoist & Derrick Company. (See Gray, Donald C., assignor.)
American Hyalsol Corporation. (See Schmitt, Friedrich, assignor.)
American Machine & Foundry Company. (See Schlemmer, Phil G., assignor.)
American Perforator Company. (See Below, John R., assignor.)
American Sales Book Company. (See Pringle, W. A., and Manuel, assignors.)
American Sales Book Company. (See Templeton, Robert P., assignor.)
American Steel and Wire Company of New Jersey, The. (See Febrey, Harold H., assignor.)
American Stove Company. (See Brumbaugh, I. V., Kauffman, and Reinhart, assignors.)
American Zinc, Lead & Smelting Company. (See MacIntire, Walter H., assignor.)
Ames, Evelyn H., executrix. (See Ames, John F.)
Ames, John F., Selma, Ala., deceased; E. H. Ames, executrix. Variable bag closure. 2,259,192; Oct. 14.
Andersen Corporation. (See Swanson, Earl C., assignor.)
Anderson, Charles E. (See De Forest, Robert D., assignor.)
Anderson, James L., Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Speed control of torch carriages. 2,258,670; Oct. 14.
Anderson, James M., Broomall, Pa., assignor to General Electric Company. Circuit breaker. 2,259,097; Oct. 14.
Anderson, Marshall C., and O. Estes, Hines, Oreg. Rotary cutter. 2,259,015; Oct. 14.
Anderson, Walter A., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Variable paper feeding mechanism for accounting machines. 2,258,695; Oct. 14.
Andrew, Frank W., Palmyra, Ill. Automatic tractor control. 2,259,193; Oct. 14.
Apex Machine and Tool Company, The. (See Frank, Walter N., assignor.)
Arduser, Ray A. (See Cross, G. C., Loetscher, and Arduser.)
Armstrong Cork Company. (See Park, A. D., and Brown, assignors.)
Arnold, Guy W., Indianapolis, assignor to Continental Steel Corporation, Kokomo, Ind. Metallic roofing. 2,259,194; Oct. 14.
Arras, George, Chicago, Ill. Making reflectors. 2,258,875; Oct. 14.
Associated Electric Laboratories, Inc. (See Herrick, Roswell H., assignor.)
Associated Electric Laboratories, Inc. (See Peterson, S. E., and Griffins, assignors.)
Associated Patentees, Inc. (See Koch, Frederick, assignor.)
Associated Telephone & Telegraph Company. (See Wright, Denis, assignor.)
Atwell, Harold V., White Plains, assignor to Process Management Company, Incorporated, New York, N. Y. Treating hydrocarbon fluids. 2,258,726; Oct. 14.
Atwell, Harold V., White Plains, assignor to Process Management Company, Inc., New York, N. Y. Motor fuel production. 2,258,839; Oct. 14.
Automatic Linker, Inc. (See Demarest, D. D., Berendt, and Karius, assignors.)
Autoyre Company, The. (See Sanford, Roy S., assignor.)
Bach, Peter J. (See Miller, J. B., and Bach.)
Backer, George, Brooklyn, N. Y. Fabric. 2,258,581; Oct. 14.
Bacchi, George, Franklin, Pa., assignor to Joy Manufacturing Company. Discharge conveyer for loading machines. 2,258,965; Oct. 14.
Baehr, Hans, and W. Deiters, Leuna, Germany, assignors, by mesne assignments, to Jisco, Incorporated. Production of dehydrogenation products from aliphatic hydrocarbons and halogenated hydrocarbons. 2,259,195; Oct. 14.
Bailey Meter Company. (See Gorrie, Harvard H., assignor.)
Baitinger, Carl E., Oakland, Calif. Book protector marker holder. 2,259,363; Oct. 14.
Baker, Clifford H., and D. H. Fisher, Philadelphia, Pa. Globe and lamp guard. 2,259,237; Oct. 14.
Baker, Eugene L., Taunton, Mass. Cooking range. 2,259,016; Oct. 14.
Balaban & Katz Corporation. (See Eddy, William C., assignor.)
Baldwin, Millard W., Jr., Glen Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sweep circuits. 2,259,284; Oct. 14.
Baltimore Broom Machine Company, The. (See McCaffray, E., and Oyler, assignors.)
Bank of America National Trust and Savings Association. (See Bassler, Carlos J., assignor.)
Banning, Thomas A., Jr., Chicago, Ill., assignor to Bendix Aviation Corporation, South Bend, Ind. Trailer brake and the like. 2,258,876; Oct. 14.
Bannister, Walter F., assignor of forty-nine per cent to H. G. Hard, Birmingham, Ala. Drill grinding apparatus. 2,258,727; Oct. 14.
Barber, Alfred W., Flushing, N. Y. Electrical circuit damping. 2,258,877; Oct. 14.
Barnes, Thomas D., West Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Meter. 2,259,285; Oct. 14.
Barnes, William A., Mansfield, Ohio, assignor to Dominion Electrical Manufacturing Company. Electric iron. 2,258,639; Oct. 14.
Barney, Freeman. (See Lee, J. E., and Barney.)

Barnsteiner, Alfons, and J. H. Reifenberg, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric heating unit. 2,259,286; Oct. 14.

Bartholomew, Robert J., assignor to Fletcher Works, Inc., Philadelphia, Pa. Winding device. 2,259,364; Oct. 14.

Bartlett, C. O., & Snow Company, The. (See Smith, Benjamin A., assignor.)

Barton, Theophilus F., Upper Montclair, N. J., assignor to General Electric Company. Regulating system. 2,259,098; Oct. 14.

Bassler, Carlos J., Alhambra, Calif., assignor, by mesne assignments, to Bank of America National Trust and Savings Association. Fluid metering device. 2,258,878; Oct. 14.

Batten, Percy H., et al., as trustees. (See Lysholm, A., and Boestad.)

Battey, Alexander J. (See Rabezzana, H., and Battey.)

Baudry, René A. (See Kilgore, L. A., and Baudry.)

Beckette, Edmund S., East St. Louis, assignor to General Steel Castings Corporation, Granite City, Ill. Railway center plate structure. 2,258,640; Oct. 14.

Beckstrom, Harry A., Seattle, Wash. Engine. 2,259,196; Oct. 14.

BeDell, Milo N. (See Young, L., and BeDell.)

Bedford, Alda V., Collingswood, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Television transmitting device. 2,258,728; Oct. 14.

Bedford, Alda V., Collingswood, N. J., assignor to Radio Corporation of America. Synchronizing signal generator. 2,258,943; Oct. 14.

Bell Telephone Laboratories, Incorporated. (See Baldwin, Millard W., Jr., assignor.)

Bell Telephone Laboratories, Incorporated. (See Bjornson, Bjorn G., assignor.)

Bell Telephone Laboratories, Incorporated. (See Dagnall, Clarence H., assignor.)

Bell Telephone Laboratories, Incorporated. (See Dahl, Jack F., assignor.)

Bell Telephone Laboratories, Incorporated. (See Davis, R. C., Newsom, and Strickler.)

Bell Telephone Laboratories, Incorporated. (See Drake, Percy R., assignor.)

Bell Telephone Laboratories, Incorporated. (See Eagon, L. L., and McKim, assignors.)

Bell Telephone Laboratories, Incorporated. (See Grisdale, Richard O., assignor.)

Bell Telephone Laboratories, Incorporated. (See Hibbard, Frank H., assignor.)

Bell Telephone Laboratories, Incorporated. (See Higgins, William H. C., assignor.)

Bell Telephone Laboratories, Incorporated. (See Hovland, Henry, assignor.)

Bell Telephone Laboratories, Incorporated. (See Mason, Warren P., assignor.)

Bell Telephone Laboratories, Incorporated. (See Nyquist, Harry, assignor.)

Bell Telephone Laboratories, Incorporated. (See Pearson, Gerald L., assignor.)

Bell Telephone Laboratories, Incorporated. (See Snow, William B., assignor.)

Below, John R., Glen Ellyn, assignor to American Perforator Company, Chicago, Ill. Perforating apparatus. 2,258,641; Oct. 14.

Beman, Archibald S., Oakland, assignor of one-half to W. C. Little, Piedmont, Calif., and by decree of court one-half to S. W. Beman. Brush. 2,258,840; Oct. 14.

Beman, Sallie W., et al. (See Beman, Archibald S., assignor.)

Bemis Bro. Bag Company. (See Stohlman, William D., assignor.)

Bendix Aviation Corporation. (See Banning, Thomas A., Jr., assignor.)

Bendix Aviation Corporation. (See Humphrey, William J., assignor.)

Bendix Aviation Corporation. (See La Brie, Ludger E., assignor.)

Bendix Aviation Corporation. (See MacBlane, James, assignor.)

Bendix Aviation Corporation. (See Price, Harold W., assignor.)

Bendix Aviation Corporation. (See Torkelson, Eliet M., assignor.)

Bendix Products Corporation. (See Brown, Jesse B., assignor.)

Bendix Products Corporation. (See Frank, Frederick C., assignor.)

Bendix Products Corporation. (See La Brie, Ludger E., assignor.)

Bendix Products Corporation. (See Price, Earl R., assignor.)

Bendz, Waldemar L., Arlington, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Photoelectric control. 2,259,287; Oct. 14.

Bennett, Charles R., Cleveland, Ohio. Measuring closure. 2,259,017; Oct. 14.

Bennett, Raymond A., Weymouth, Mass. Closed paper container. 2,258,592; Oct. 14.

Benson, Robert W., Orion, Ill. Decoy duck. 2,259,018; Oct. 14.

Berard, Arthur A. (See Cortella, Alfonso, assignor.)

Berendt, Carl. (See Demarest, D. D., Berendt, and Karius.)

Berg, Henry, Jr., Orange, N. J., assignor to Hat Corporation of America. Hatbox. 2,258,582; Oct. 14.

Berkman, Herbert A., and W. S. West, Chicago, Ill., assignors to Zim Manufacturing Company. Can opener. 2,258,583; Oct. 14.

Bernamont, Jean, deceased, by M. C. E. Pinguet and R. E. Pietre, administrators, Paris, France, assignors to International Standard Electric Corporation, New York, N. Y. Electron discharge tube. 2,259,099; Oct. 14.

Bernhard, Lucian, New York, N. Y. Typesetting. 2,259,238; Oct. 14.

Best, Millard W., Hamilton, Ontario, Canada. Draft regulator for hot air furnaces. 2,258,729; Oct. 14.

Bethell, Bailey O., Manteca, Calif. Bed warmer. 2,258,944; Oct. 14.

Better, Adolph, assignor to Reinad Novelty Co., Inc., New York, N. Y. Chain ornament. 2,259,059; Oct. 14.

Betz, Paul L., Baltimore, Md., and S. Karrer, Washington, D. C., assignors to Consolidated Gas Electric Light and Power Company of Baltimore, Baltimore, Md. Storage water heater. 2,258,696; Oct. 14.

Bichowski, Francis R., Ann Arbor, Mich., assignor, by mesne assignments, to General Motors Corporation. Refrigerating apparatus. 2,258,730; Oct. 14.

Bilde, Tord E. D., Ulvsunda, assignor to Bolinder's Fabriks Aktiebolag, Stockholm, Sweden. Packing for dishwashing machines. 2,259,197; Oct. 14.

Biro, Laszlo J., assignor to L. Lang, Buenos Aires, Argentina. Fountain pen. 2,258,841; Oct. 14.

Bjornson, Bjorn G., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Control of transmission in two-way signaling systems. 2,258,966; Oct. 14.

Black, Lawrence F., Washington, D. C. Calibrating roentgenographic machines. 2,258,593; Oct. 14.

Blakeney, Francis M. (See Ring, Ernest A., assignor.)

Blankenbuehler, John H., Edgewood, and T. C. Fockler, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Dynamoelectric machine. 2,259,288; Oct. 14.

Blazek, John Y., Bedford, and V. R. Roy and G. E. Sears, Cleveland, assignors to Lempco Products, Inc., Bedford, Ohio. Surfacing machine. 2,258,879; Oct. 14.

Blumenthal, Alexander E., Pittsburgh, Pa. Combination lamp and fan unit. 2,258,731; Oct. 14.

Blumentritt, Wilhelm, Berlin-Haselhorst, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Half-wave spot welding. 2,259,289; Oct. 14.

Blumlein, Alan D., Ealing, London, and E. L. C. White, Hillingdon, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England. Electric signal pulse controlling circuits. 2,258,732; Oct. 14.

Bobst, Henri, Prilly, near Lausanne, Switzerland. Platen press for working cardboard blanks. 2,258,880; Oct. 14.

Bock, Ashley P., Catonsville, Md., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Triplex circuit for radiophone transmitters. 2,259,290; Oct. 14.

Boecler, Albert, Berlin, and K. Bratring, Dahlem, Berlin, Germany, assignors, by mesne assignments, to Neoceli Products Corporation. Apparatus for producing articles from dissolved plastic substances by immersion. 2,258,642; Oct. 14.

Boestad, Gustav K. W. (See Lysholm, A., and Boestad.)

Bokovoy, Samuel A., Audubon, N. J., assignor to Radio Corporation of America. Mounting piezoelectric crystals. 2,258,967; Oct. 14.

Bolinder's Fabriks Aktiebolag. (See Bilde, Tord E. D., assignor.)

Bosch, Robert, Gesellschaft mit beschränkter Haftung. (See Glässing, Karl, assignor.)

Bowman, Kiel B. (See Matteson, E. A., and Bowman.)

Brackett, Tracy F., assignor to General Motors Corporation, Detroit, Mich. Sanding machine. 2,258,733; Oct. 14.

Brady, David R., Highland Park, assignor to D. R. Brady and J. W. Davis, as joint trustees for the Brady Research Company, Detroit, Mich. Peg for athletic shoes. 2,258,734; Oct. 14.

Brady Research Company. (See Brady, David R., assignor.)

Bramfitt, Thomas. (See Oberholser, E. H., Ward, and Bramfitt.)

Bramley, Arthur. (See Brewer, A. K., and Bramley.)

Brancheau, Leo L., Bay City, Mich. Detachable support. 2,258,735; Oct. 14.

Bratring, Kurt. (See Boecler, A., and Bratring.)

Breitling, Ernst, Berlin, Germany, assignor, by mesne assignments, to The National Cash Register Co., Dayton, Ohio. Bookkeeping machine. 2,258,697; Oct. 14.

Brewer, Aubrey K., Washington, D. C., and A. Bramley, Ocean City, N. J., assignors to C. R. Wickard, as Secretary of Agriculture of the United States of America, and to his successors in office. Method and apparatus for separating gases and isotopes. 2,258,594; Oct. 14.

Brian, William S., Owensboro, Ky., assignor to General Motors Corporation, Detroit, Mich. Mercury interrupter. 2,258,736; Oct. 14.

Bricher, Emanuel, Sugar City, Idaho. Razor. 2,259,198; Oct. 14.

Briggs, Arthur J., Syracuse, assignor to Magazine Repeating Razor Company, New York, N. Y. Razor blade pack. 2,258,968; Oct. 14.

Briggs, Fred D. (See Scott, Archibald J., Jr., assignor.)

Brockett, Ivan, Hayward, Calif. Adjustable-width tailgate spreader. 2,258,842; Oct. 14.

Brogdex Company. (See Waggoner, Walter L., assignor.)

Brooke, Francis M., Bryn Mawr, Pa. Camera to give perspective to moving pictures. 2,258,945; Oct. 14.

Brostrom, Charles G., Salem, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Roughing machine. 2,258,698; Oct. 14.

Brown, Arthur H., Denver, Colo. Blanking die. 2,258,843; Oct. 14.

Brown, Claude E., Santa Ana, Calif. Saw vise. 2,258,969; Oct. 14.

Brown, George M., New York, N. Y., and J. E. Snyder, Akron, Ohio, assignors to Wingfoot Corporation, Wilmington, Del. Manufacture of bags. 2,259,239; Oct. 14.

Brown, Hurley L. and W. M., Van Buren, Ind. Train order crane. 2,258,923; Oct. 14.

Brown, Jesse B., Detroit, Mich., assignor to Bendix Products Corporation, South Bend, Ind. Brake. 2,258,881; Oct. 14.

Brown, Lillian B. (See Brown, Walter and L. B.)

Brown, Milton G. (See Park, A. D., and Brown.)

Brown, Walter and L. B., Cleveland, Ohio. Device for straightening hair. 2,258,844; Oct. 14.

Brown, William T., Short Hills, N. J., assignor to A. G. Spaulding & Bros. Inc., Chicopee, Mass. Ball. 2,259,060; Oct. 14.

Brown, Woneta M. (See Brown, H. L. and W. M.)

Browne, Cecil O., West Acton, London, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Plug and socket connection. 2,258,737; Oct. 14.

Bruce, S. S., as trustee. (See Morgan, Thomas H., assignor.)

Brumbaugh, Isaac V., L. S. Kauffman, and H. C. Reinhart, assignors to American Stove Company, St. Louis, Mo. Automatic fuel control. 2,258,924; Oct. 14.

Buchanan, Stephen N., Washington, D. C. Binding post. 2,258,738; Oct. 14.

Bucknam, James H., Cranford, and W. B. M. Clark, Roselle, N. J., assignors to The Linde Air Products Company. Welding. 2,258,739; Oct. 14.

Budd, Edward G., Manufacturing Company. (See Meadowcroft, Joseph W., assignor.)

Budd, Edward G., Manufacturing Company. (See Watter, Michael, assignor.)

Buettell, Marc A., assignor to Ideal Commutator Dresser Company, Sycamore, Ill. Variable speed transmission device. 2,258,970; Oct. 14.

Burg, Jean M., Philadelphia, Pa. Combination knitting needle and rule. 2,258,925; Oct. 14.

Burke, James P., Knoxville, Tenn., assignor to B. L. Quarnstrom and F. L. McLaughlin, Detroit, Mich. Clip nut. 2,258,845; Oct. 14.

Burkhart, William L., Cleveland, Ohio. Lighting attachment for telephones. 2,259,148; Oct. 14.

Burnham, Bradshaw. (See Merriman, W. E., and Burnham.)

Butler, Frank D., U. S. Navy. Fluid-pressure reducing and regulating valve. 2,258,595; Oct. 14.

Buxton, Loran O., Belleville, assignor to National Oil Products Company, Harrison, N. J. Refining of fat-soluble vitamin-containing materials. 2,258,671; Oct. 14.

Buxton, Loran O., Belleville, assignor to National Oil Products Company, Harrison, N. J. Treating fat-soluble vitamin-containing materials. 2,258,673; Oct. 14.

Buxton, Loran O., and H. B. Colman, Belleville, assignors to National Oil Products Company, Harrison, N. J. Refining fatty substances. 2,258,672; Oct. 14.

Byers, A. M., Company. (See Story, Edward B., assignor.)

Caffier, Pierre L., Brooklyn, N. Y. Thermoresponsive device. 2,259,061; Oct. 14.

Caldwell, Walter T. (See Failing, G. J. C., and Caldwell.)

Calvo-Mackenna, Domingo, Santiago, Chile. Propeller. 2,258,699; Oct. 14.

Cameron, Colin M., and A. T. Heath, assignors to Ransomes & Rapier Limited, Ipswich, England. Machine provided with walking apparatus. 2,259,199; Oct. 14.

Cameron, Colin M., and A. T. Heath, assignors to Ransomes & Rapier Limited, Ipswich, England. Traction or propulsion mechanism of the walking type. 2,259,200; Oct. 14.

Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Air filter. 2,258,926; Oct. 14.

Carey, Jack P., Kinston, N. C. Oil burning furnace for tobacco barns. 2,259,201; Oct. 14.

Carlson, Philip, Long Hill, Conn. Lift door. 2,258,971; Oct. 14.

Carlson, Philip, Long Hill, Conn. Lift door. 2,258,972; Oct. 14.

Carlson, Vernon E., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,258,740; Oct. 14.

Carlson, Wendell L., Haddonfield, N. J., assignor to Radio Corporation of America. Frequency-modulation receiving system. 2,258,599; Oct. 14.

Carr, Richard H., Chicago, Ill., and K. A. Covell, and C. F. Terrell, Jr., Tulsa, Okla., assignors, by mesne assignments, to Sullivan Machinery Company. Apparatus for pumping oil wells. 2,259,019; Oct. 14.

Carswell, Firman L., Johnson County, Kans., and O. W. Schmidt, Kansas City, Mo. Subdrain pipe. 2,259,335; Oct. 14.

Casco Products Corporation. (See Lehmann, Herbert G., assignor.)

Castricone, John A., assignor to Altorfer Brothers Company, Peoria, Ill. Ironer roll release. 2,259,062; Oct. 14.

Caterpillar Tractor Co. (See Gustafson, Carl A., assignor.)

Catlett, James T. (See Somerville, G. G., and Catlett.)

Cauwenberg, Winfred J. (See Ryan, L. W., and Cauwenberg.)

Cease, Robert R. (See Travilla, J. C., and Cease.)

Cederstrom, Harold A., deceased, by H. W. Cederstrom, administrator, Minneapolis, Minn. V-belt clutch pulley. 2,259,149; Oct. 14.

Cederstrom, Horace W., administrator. (See Cederstrom, Harold A.)

Celanese Corporation of America. (See Mosler, Arthur R., Jr., assignor.)

Celanese Corporation of America. (See Pool, William, assignor.)

Ceska, George D., Dormont, Pa. Reamer. 2,258,674; Oct. 14.

Chadwick, Virginia H., Louisville, Ky., assignor to Earnshaw Knitting Company, Newton, Mass. Protective garment. 2,258,946; Oct. 14.

Challenge Machinery Company, The. (See Lee, J. E., and Barney, assignors.)

Chambers, Laura A., St. Louis, Mo. Powder dispenser. 2,259,240; Oct. 14.

Champion, Charles H., and F. H. Denham, Westport, Conn., assignors to R. T. Vanderbilt Company, Incorporated, New York, N. Y. Adhesive and preparing same. 2,258,741; Oct. 14.

Champion, William J. (See Neal, M. P., and Champion.)

Chapman, Penrose E., St. Louis, Mo. Traverse mechanism for winding machines. 2,259,291; Oct. 14.

Chemical Marketing Company Inc. (See Sitte, Fritz, assignor.)

Cherryfield Corporation. (See Wallace, Archibald L., assignor.)

Chicago Forging & Manufacturing Company. (See Hill, Rowland, assignor.)

Chicago Seal Company. (See Karlberg, Arvid E., assignor.)

Childs, Henry R., and W. T. Jackson, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Production of crimped cellulose derivative staple fibers. 2,259,150; Oct. 14.

Christmann, Friedrich. (See Pier, M., and Christmann.)

Chromogen, Incorporated. (See Glaser, Erich, assignor.)

Cincinnati Sheet Metal and Roofing Company, The. (See Ingels, James J., assignor.)

Cincinnati Tool Company, The. (See Thurston, Elmer A., assignor.)

Cinema-Television Limited. (See Tingley, George R., assignor.)

Clark, Claud W., Meridian, Miss., and W. P. Edmonds, Emelle, Ala. Vehicle wheel. 2,259,022; Oct. 14.

Clark, Earl K., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Making heating elements. 2,259,242; Oct. 14.

Clark, Earl K. (See Lockwood, E. H., and Clark.)

Clark, Harry H., Los Angeles, Calif., assignor to The National Supply Company, Pittsburgh, Pa. Grief collar. 2,259,023; Oct. 14.

Clark, Winslow, B. M. (See Bucknam, J. H., and Clark.)

Clarke, Albert V., Leicester, England. Knitting machine. 2,258,927; Oct. 14.

Claspy, Hugh J., assignor to Phoenix Glass Company, Monaca, Pa. Support for illuminating ware. 2,259,151; Oct. 14.

Claspy, Hugh J., assignor to Phoenix Glass Company, Monaca, Pa. Lighting fixture. 2,259,152; Oct. 14.

Clemence, Le Roy W. (See Ralziss, G. W., Clemence, and Kremens.)

Cleveland, Ralph E., Waterbury, Conn. Drying drum. 2,259,024; Oct. 14.

Cleveland Tungsten, Inc. (See Mansfield, William E., assignor.)

Cluett, Peabody & Co. (See Oberholser, E. H., Ward, and Bramfitt, assignors.)

Cohn, Willi M., El Cerrito, Calif. Mineral welding flux and method. 2,258,675; Oct. 14.

Colacurcio, Michael J. (See Strubbe, E. H., and Colacurcio.)

Colman, Howard B. (See Buxton, L. O., and Colman.)

Colorspace Patent Corporation. (See Adams, A. H., Leech, and Epstein, assignors.)

Colorspace Patent Corporation. (See Leech, F. D., and Adams, assignors.)

Conklin, James W., Audubon, N. J., assignor to Radio Corporation of America. Amplifier. 2,258,598; Oct. 14.

Conklin, James W., Audubon, N. J., assignor to Radio Corporation of America. Ultra short wave apparatus. 2,259,292; Oct. 14.

Conover, Warren C., assignor to Outboard Marine and Manufacturing Company, Waukegan, Ill. Water pump. 2,259,153; Oct. 14.

Consolidated Edison Company of New York, Inc. (See Williams, E., and Xenis, assignors.)

Consolidated Gas Electric Light and Power Company of Baltimore. (See Betz, P. L., and Karrer, assignors.)

Consolidated Mining & Smelting Company of Canada, Limited, The. (See Hannay, W. H., and Walsh, assignors.)

Consolidated Sewing Machine & Supply Co. Inc. (See Ingwer, Max, assignor.)

Continental Steel Corporation. (See Arnold, Guy, W., assignor.)

Continental Steel Corporation. (See Theiss, Harry W., assignor.)

Cook, Willard G., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Strip reel drive. 2,259,241; Oct. 14.

Cooper, Wilfrid B., Rome, Ga., assignor to Tubize Chatillon Corporation, New York, N. Y. Thread control device for rayon spinning machines. 2,259,202; Oct. 14.

Coreco, Inc. (See Murphy, Harry S., assignor.)

Cortella, Alfonso, New York, assignor to A. A. Berard, Mount Vernon, N. Y. Recording and reproducing element. 2,258,596; Oct. 14.

Cosgro, Daniel J., Cohoes, N. Y. Cleaning device for pots and pans and the like. 2,259,025; Oct. 14.

Cotter, Bart, assignor to General Motors Corporation, Detroit, Mich. Molding clip. 2,258,742; Oct. 14.

Cotter, Bart. (See Meyer, E. A., and Cotter.)

Couch, Glenn P., assignor to The Symington-Gould Corporation, Rochester, N. Y. Journal box. 2,258,584; Oct. 14.

Courtney, Joseph F., Chicago, Ill. Combined overturn and ignition switch. 2,258,846; Oct. 14.

Covell, Kenneth A. (See Carr, R. H., Covell, and Terrell.)

Cox, Joseph H., Pittsburgh, and H. C. Myers, Irwin, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Vapor electric system. 2,259,293; Oct. 14.

Cox, Joseph H., and R. R. Longwell, Forest Hills, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Arc snuffing circuit. 2,259,294; Oct. 14.

Cox, Joseph H., and R. R. Longwell, Forest Hills, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Protective system for vapor electric devices. 2,259,295; Oct. 14.

Cox, Joseph H. (See Slepian, J., and Cox.)

Craig, Charles V., Boise, Idaho. Fireplace construction. 2,258,882; Oct. 14.

Cramer, Howard I., Cuyahoga Falls, Ohio. Preparing metal dithiocarbamates. 2,258,847; Oct. 14.

Cramer, Stanley S., Haddon Heights, assignor of one-half to E. G. Van Name, Haddonfield, N. J. Rivet-setting machine. 2,259,296; Oct. 14.

Cramer, Stanley S., Haddon Heights, assignor of one-half to E. G. Van Name, Haddonfield, N. J. Fabricating machine safety clutch. 2,259,297; Oct. 14.

Crary, Selden B., Schenectady, N. Y., assignor to General Electric Company. Regulator system. 2,259,125; Oct. 14.

Crary, Selden B. (See Thompson, L. W., and Crary.)

Creamery Package Mfg. Company, The. (See Farrall, A. W., and Hanson, assignors.)

Cressler, Edward P., Newton, Kans. Rinser for teeth and gums. 2,258,883; Oct. 14.

Crompton & Knowles Loom Works. (See Payne, Oscar V., assignor.)

Crosley Corporation, The. (See Tyzzer, Howard J., assignor.)

Crosley Corporation, The. (See Wedig, Frank L., Jr., assignor.)

Cross, Garrett P. S., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for separating shoes from lasts. 2,258,597; Oct. 14.

Cross, George C., Sioux Falls, S. Dak., and J. A. Loetscher, and R. A. Arduser, assignors to Farley & Loetscher Manufacturing Company, Dubuque, Iowa. Window sash. 2,258,973; Oct. 14.

Crowell, Joyce H., Orchard Park, assignor to National Aniline and Chemical Company, Inc., New York, N. Y. Production of itaconic and citraconic anhydrides. 2,258,947; Oct. 14.

Cullen, Julien F. (See Hirsch, A. C., Cullen, Krause, and Hutchens.)

Currie, William E. (See Pier, M., and Christmann, assignors.)

Curtis, John C., Claremont, N. H., assignor to Sullivan Machinery Company. Intermittent grip device. 2,258,950; Oct. 14.

Curtis, John C., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drill. 2,258,951; Oct. 14.

Curtiss Wright Corporation. (See Wells, W. L., and Rugge, assignors.)

Cutler-Hammer, Inc. (See Lassen, Elvind U., assignor.)

Cutting Room Appliances, Corp. (See Gilbert, Herman W., assignor.)

Dagnall, Clarence H., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave transmission network. 2,258,974; Oct. 14.

Dahl, Jack F., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Operator's position circuit. 2,259,100; Oct. 14.

Daimler-Benz Aktiengesellschaft. (See Links, Heinz, assignor.)

Daman, Arthur C., assignor to Mining Process and Patent Company, Denver, Colo. Flotation apparatus and method. 2,259,243; Oct. 14.

Dame, Charles V., Lanark, Ill. Portable electric lamp. 2,259,154; Oct. 14.

Darby, George M., Westport, Conn., A. J. Fischer, Flushing, N. Y., and W. C. Weber, Westport, Conn., assignors to The Dorr Company, Inc., New York, N. Y. Purification of liquids. 2,259,221; Oct. 14.

Daub, Rudolph, Paterson, N. J., assignor to Wright Aeronautical Corporation. Internal combustion engine. 2,259,102; Oct. 14.

Davis, Albert G., Newton Center, Mass., assignor to The Nevins-Church Press, New York, N. Y. Attachable article holder. 2,259,244; Oct. 14.

Davis, Albert G., Newton Center, Mass., assignor to The Nevins-Church Press, New York, N. Y. Box. 2,259,245; Oct. 14.

Davis, Arnold R., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Complex diaryl guanidine metal salt addition compounds and preparation thereof. 2,259,063; Oct. 14.

Davis, Arnold R., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of complex diaryl guanidine metal salt addition products. 2,259,064; Oct. 14.

Davis, Arnold R., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of complex diaryl guanidine metal salt addition compounds. 2,259,414; Oct. 14.

Davis, Cortland W., and W. B. Engh, Alexandria, Ind., assignors to The Mantle Lamp Company of America, Chicago, Ill. Tubular wick for liquid fuel burners. 2,259,246; Oct. 14.

Davis, Edward H., Baltimore, Md. Freezing unit. 2,258,975; Oct. 14.

Davis, J. Windsor, joint trustee. (See Brady, David R., assignor.)

Davis, L. Bernard, et al. (See Ryder, James, assignor.)

Davis, Richard C., and J. B. Newsom, Great Neck, N. Y., and W. B. Strickler, East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,259,101; Oct. 14.

Dax, Albert, Budapest, Hungary. Stethoscope. 2,258,743; Oct. 14.

Dearing, Le Roy M., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic sound track. 2,258,976; Oct. 14.

De Forest, Robert D., Phalanx Station, assignor of one-half to C. E. Anderson, Warren, Ohio. Wheel jack. 2,259,365; Oct. 14.

De Grier, Johannes, A. A. Kruithof, and F. M. Penning, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Distortion correction for cathode ray tubes. 2,258,643; Oct. 14.

De González Pagliere, Maria A. A., Buenos Aires, Argentina. Back covering for vehicle seats. 2,259,026; Oct. 14.

Delters, Wilhelm. (See Baehr, H., and Delters.)

De Lano, Clyde N., Los Angeles, Calif. Bottle drier. 2,258,676; Oct. 14.

De Loache, Robert L., Atlanta, Ga., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Reversing line starter. 2,259,298; Oct. 14.

Demarest, Daniel D., Little Neck, N. Y., and C. Berendt, East Orange, and W. Karius, Irvington, assignors to Automatic Linker, Inc., Newark, N. J. Thread gripping and guiding device. 2,258,644; Oct. 14.

Denham, Fred H. (See Champion, C. H., and Denham.)

Des Rosiers, John A., Windsor, Ontario, Canada. Electric water heater. 2,258,744; Oct. 14.

Detroit Lubricator Company. (See Wile, Daniel D., assignor.)

Dewey, Maurice J., Detroit, Mich. Heating apparatus. 2,259,299; Oct. 14.

Dewey, William R., Detroit, and R. E. Spokes, Ann Arbor, Mich., assignors to The American Brake Shoe and Foundry Company, New York, N. Y. Duct leader. 2,258,745; Oct. 14.

De Zarate, Pedro O., and D. S. Drabble, Buenos Aires, Argentina. Rotary compressor. 2,259,027; Oct. 14.

Dickerson, Rawson P., East Orange, N. J. Calendar and like display device. 2,259,336; Oct. 14.

Dickey, Joseph B., and M. M. Levine, assignors to Eastman Kodak Company, Rochester, N. Y. Azo compounds and material colored therewith. 2,258,978; Oct. 14.

Dickey, Joseph B., and M. M. Levine, assignors to Eastman Kodak Company, Rochester, N. Y. Azo compounds and material colored therewith. 2,258,979; Oct. 14.

Dickey, Joseph B., and J. G. McNally, assignors to Eastman Kodak Company, Rochester, N. Y. Azo compounds and material colored therewith. 2,258,977; Oct. 14.

Dickinson, Edgar D., Beverly, Mass., assignor to General Electric Company. Elastic fluid turbine. 2,259,126; Oct. 14.

Dickman, David et al. (See Dickman, Jacob I., assignor.)

Dickman, Jacob I., assignor to S. and D. Dickman, Los Angeles, Calif. Steam generator. 2,258,746; Oct. 14.

Dickman, Simon et al. (See Dickman, Jacob I., assignor.)

Dictograph Products Company. (See Zarth, William A., assignor.)

Diehl, David R. (See Gill, Leo, assignor.)

Dijksman, Albert J. (See Moser, F. R., and Dijksman.)

Dijkstra, Folkert. (See van den Berge, J., and Dijkstra.)

Ditto, Incorporated. (See Neal, M. P., and Champion, assignors.)

Diwoky, Roy J. (See Steininger, H. M., and Diwoky.)

Doane, Harry C., Flint, assignor to General Motors Corporation, Detroit, Mich. Direction signal. 2,258,747; Oct. 14.

Doll, Henri G., Paris, France, assignor, by mesne assignments, to Schlumberger Well Surveying Corporation, Houston, Tex. Recording apparatus. 2,258,700; Oct. 14.

Dominion Electrical Manufacturing Company. (See Barnes, William A., assignor.)

Dornier, Claude, assignor of one-half to Dornier-Werke G. m. b. H., Friedrichshafen-on-the-Bodensee, Germany. Propeller blade. 2,259,247; Oct. 14.

Dornier-Werke G. m. b. H. (See Dornier, Claude, assignor.)

Dorr Company, The. (See Darby, G. M., Fischer, and Weber, assignors.)

Dorr Company, The. (See Scott, Charles H., assignor.)

Dorr Company, The. (See Weiss, Robert G. A., assignor.)

Dostal & Lowey Co. (See Read, Philip C., assignor.)

Douglas, H. A., Mfg. Co. (See Foster, William M., assignor.)

Douglas, H. A., Mfg. Co. (See Schmid, William, assignor.)

Dow Chemical Company, The. (See Hefley, D. G., and Staudt, assignors.)

Dow Chemical Company, The. (See Shelley, Paul G., assignor.)

Dow Chemical Company, The. (See Simmons, Drury M., assignor.)

Doyle, William F. (See Taylor, Edwin, assignors.)

Drabble, Dudley S. (See de Zarate, P. O., and Drabble.)

Drake, Harcourt C., Hempstead, N. Y., assignor to Sperry Products, Inc., Hoboken, N. J. Tube tester. 2,258,748; Oct. 14.

Drake, Percy B., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic switching device. 2,259,103; Oct. 14.

Dresser, Willis R., Stratford, Conn., assignor to Tobe Deutschmann Corporation, Canton, Mass. Electrical apparatus. 2,258,677; Oct. 14.

Driggs, Louis L., Jr., Tipp City, assignor to The Kilgore Manufacturing Company, Westerville, Ohio. Fireworks. 2,259,155; Oct. 14.

Duffy, Benjamin J., Sr., Burbank, Calif. Poultry tendon puller. 2,258,884; Oct. 14.

Duisberg, Walter H. (See Schlecht, Helmut and L., assignors.)

Duisberg, Walter H. (See von Zeppelin, Helmut, assignor.)

Duisberg, Walter H. (See Wenzel, W., and Hayek, assignors.)

Duke, Holmes, Beaumont, Tex. Making markers. 2,258,885; Oct. 14.

Duke, William O., assignor to Mullins Manufacturing Corporation, Salem, Ohio. Roll stop for wringers. 2,258,848; Oct. 14.

Dunlop, James, Ridgewood, assignor to Westinghouse Electric Elevator Company, Jersey City, N. J. Electric stairway. 2,259,366; Oct. 14.

Du Pont, E. I., de Nemours & Company. (See Iler, Ralph K., assignor.)

Du Pont, E. I., de Nemours & Company. (See Langkammerer, Carl M., assignor.)

Du Pont, E. I., de Nemours & Company. (See Rothrock, Henry S., assignor.)

Du Pont, E. I., de Nemours & Company. (See Walker, Herbert W., assignor.)

Du Pont Film Manufacturing Corporation. (See Hill, John R., assignor.)

Durk, Henry. (See Pringle, W. A., and Manuel.)

Dyer, Lloyd W., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,259,300; Oct. 14.

Eagon, Lloyd L., Great Neck, and J. B. McKim, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,258,980; Oct. 14.

Earnshaw Knitting Company. (See Chadwick, Virginia H., assignor.)

Eastman Kodak Company. (See Childs, H. R., and Jackson, assignors.)

Eastman Kodak Company. (See Dearing, Le Roy M., assignor.)

Eastman Kodak Company. (See Dickey, J. B., and Levine, assignors.)

Eastman Kodak Company. (See Dickey, J. B., and McNally, assignors.)

Eastman Kodak Company. (See Gordon, J. J., and Zeigler, assignors.)

Eastman Kodak Company. (See Hopkinson, Frederick J., assignor.)

Eastman Kodak Company. (See Hutchison, Miller R., Jr., assignor.)

Eastman Kodak Company. (See McNally, James G., assignor.)

Eastman Kodak Company. (See Merriman, W. E., and Burnham, assignors.)

Eastman Kodak Company. (See Nadeau, Gale F., assignor.)

Eastman Kodak Company. (See Schade, Willy, assignor.)

Eastman Kodak Company. (See Simmons, Arthur B., assignor.)

Eastman Kodak Company. (See Talbot, Ralph H., assignor.)

Eaton, Gerald L., Glen Osborne, Pa., assignor to The Polymerization Process Corporation, Jersey City, N. J. Treatment of hydrocarbon fluids. 2,258,749; Oct. 14.

Eaton, John, Schenectady, N. Y., assignor to General Electric Company. Electromagnet. 2,259,127; Oct. 14.

Ebert, Edward A., and N. J. Gleiser, Buffalo, assignors to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Sequence selector for automatic phonographs. 2,259,156; Oct. 14.

Eby, Hugh H., assignor to Hugh H. Eby, Inc., Philadelphia, Pa. Thermionic tube socket. 2,259,157; Oct. 14.

Eby, Hugh H., Inc. (See Eby, Hugh H., assignor.)

Eddy, William C., Kenilworth, assignor to Balaban & Katz Corporation, Chicago, Ill. Camera focusing device. 2,259,415; Oct. 14.

Edison General Electric Appliance Company. (See Shroyer, Jacob L., assignor.)

Edmonds, Wallace P. (See Clark, C. W., and Edmonds.)

Egan, George F., Jersey City, N. J. Sewer construction. 2,259,128; Oct. 14.

Eichwald, Benjamin, New York, N. Y. Terminal block. 2,258,750. Oct. 14.

Electric & Musical Industries Limited. (See Blumlein, A. D., and White, assignors.)

Electric & Musical Industries Limited. (See Browne, Cecil O., assignor.)

Eliot, Samuel, Newton, Mass. Automobile lighting system. 2,259,028; Oct. 14.

Ellis-Foster Company. (See Rust, John B., assignor.)

Elwood, Claude K., Glendo, Wyo. Trailer hitch and steering device. 2,258,678; Oct. 14.

Ely, Paul C., and J. M. Hopkins, McKeesport, Pa., assignors to National Tube Company. Apparatus for cooling pipe insides. 2,259,367; Oct. 14.

Engel, Karl, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Upper shaping machine. 2,258,600; Oct. 14.

Engh, Walter B. (See Davis, C. W., and Engh.)

Engster, Frank W., Mount Vernon, N. Y., assignor to General Electric Company. Gas filled cable. 2,259,129; Oct. 14.

Epstein, Herman. (See Adams, A. H., Leech, and Epstein.)

Erhardt, Anton, assignor to The National Tool Company, Cleveland, Ohio. Gear cutter. 2,258,849; Oct. 14.

Erisman, Adolph C., Port Richmond, and M. C. Smith, Elmhurst, N. Y. Watchman's clock. 2,259,065; Oct. 14.

Ernst, Walter, Mount Gilead, Ohio, assignor to The Hydraulic Development Corp. Inc., Wilmington, Del. Mechanism for varying the speed of hydraulic press rams. 2,258,886; Oct. 14.

Ernst, Walter, Mount Gilead, Ohio, assignor to The Hydraulic Press Corp. Inc., Wilmington, Del. Selective delivery reduction means for variable delivery pumps. 2,258,981; Oct. 14.

Ernst, Walter. (See Shaw, V. S., and Ernst.)

Estes, Owen. (See Anderson, M. C., and Estes.)

Eulenstein, Fritz, Cologne-on-the-Rhine, and A. Krus, Sturzelberg uber Neuss, assignors to Sachtleben Aktiengesellschaft, Cologne-on-the-Rhine, Germany. Desulphurizing iron or iron alloys. 2,258,850; Oct. 14.

Evans, Harry L., Newport, R. I., assignor to United States Automatic Box Machinery Co., Inc., Roslindale, Mass. Mechanism for and method of producing receptacles. 2,259,301; Oct. 14.

Evans, Harry L., Newport, R. I., assignor to United States Automatic Box Machinery Co. Inc., Roslindale, Mass. Package making and filling machine. 2,259,302; Oct. 14.

Evans, Seth, assignor to Hughes Tool Company, Houston, Tex. Making welded tool joints. 2,258,751; Oct. 14.

Ewerth, Anton G., Stocksund, assignor to E. V. W. H. Von Geijer, Stockholm, Sweden. Harrowing scraper in seed sowing machines. 2,259,303; Oct. 14.

Ewins, Arthur J., Gidea Park, Romford, and M. A. Phillips, Romford, assignors to May & Baker, Limited, London, England. Preparation of sulphanilamide derivatives. 2,259,222; Oct. 14.

Failing, George E., Supply Company, The. (See Failing, G. J. C., and Caldwell, assignors.)

Failing, George J. C., and W. T. Caldwell, assignors to The George E. Failing Supply Company, Enid, Okla. Cylinder and piston structure for pressure devices. 2,259,432; Oct. 14.

Fairbanks, Morse and Company. (See Hadley, Harlan A., assignor.)

Fairbanks, Morse & Co. (See Vogel, Edward A., assignor.)
Farley & Loetscher Manufacturing Company. (See Cross, G. C., Loetscher, and Arduser, assignors.)
Farley & Loetscher Manufacturing Company. (See Hurd, Clifford W., assignor.)
Farrall, Arthur W., Wilmette, and R. L. Hanson, assignors to The Creamery Package Mfg. Company, Chicago, Ill. Method and apparatus for mxing edible materials. 2,258,645; Oct. 14.
Febrey, Harold H., South Orange, N. J., assignor to The American Steel and Wire Company of New Jersey. Self-contained rail bond stud terminal. 2,259,368; Oct. 14.
Federal-Mogul Corporation. (See Willi, Albert B., assignor.)
Feller, John E. O., Canton, Ohio. Ice cream scoop. 2,259,337; Oct. 14.
Ferreby, Rolla B., Los Angeles, Calif. Waving sign. 2,258,601; Oct. 14.
Fewings, David J., and R. J. Kemp, Chelmsford, England, assignors to Radio Corporation of America. Sawtooth wave generator circuit arrangement. 2,258,752; Oct. 14.
Fichter, Ludwig. (See Schwarz, Bertram A., and Fichter.)
Fidelity Machine Company. (See Larkin, Walter, assignor.)
Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung. (See Jauch, Eugen, assignor.)
Fides Gesellschaft für die Verwaltung und Verwertung von Gewerblichen Schutzrechten m. b. H. (See Kuchley, J., and Pinell, assignors.)
Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung. (See Noack, Karl, assignor.)
"Fides" Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten m. b. H. (See Scherer, Karl, assignor.)
Field, Edward A., Jr., Chicago, Ill. Draft control device. 2,259,130; Oct. 14.
Filer & Stowell Co., The. (See Read, Everett C., assignor.)
Finch, James L., Patchogue, N. Y., assignor to Radio Corporation of America. Air flow interlock. 2,259,104; Oct. 14.
Finnigan, Lawrence L., Seattle, Wash. Burner control system. 2,258,753; Oct. 14.
Firestone Tire & Rubber Company, The. (See Allen, Raymond W., assignor.)
First National Bank of Bartlesville, administrator. (See Frey, F. E., and Fitch.)
Fischer, Anthony J. (See Darby, G. M., Fischer, and Weber.)
Fisher, Dana H. (See Baker, C. H., and Fisher.)
Fisher, Ernest F., Springfield, Ill. Sludge separator. 2,259,029; Oct. 14.
Fisher, Ernest F., Boston, Mass. Wet dust collector and air washer. 2,259,030; Oct. 14.
Fisher, Ernest F., Boston, Mass. Wet dust collector and air washer. 2,259,031; Oct. 14.
Fisher, Ernest F., Boston, Mass. Gas washer. 2,259,032; Oct. 14.
Fisher, Ernest F., Boston, Mass. Liquid and air contact column for cleaning air and gases. 2,259,033; Oct. 14.
Fisher, Ernest F., Boston, Mass. Gas washer. 2,259,034; Oct. 14.
Fisher, Harry C., Cincinnati, and W. E. Sooy, assignors to The Gardner-Richardson Company, Middletown, Ohio. Manufacture of greaseproof material. 2,258,851; Oct. 14.
Fitch, Louis H., Jr. (See Frey, F. E., and Fitch.)
Fitzgerald, John R., Harlingen, Tex. Garment stretcher. 2,258,701; Oct. 14.
Fitzgerald, John R., Harlingen, Tex. Quick-operating dial adjustment for garment shaping machines. 2,259,369; Oct. 14.
Fitzgerald, John R., Harlingen, Tex. Skirt spreader for garment shaping machines. 2,259,370; Oct. 14.
Fleischer, Frank H., and W. J. Morrill, Fort Wayne, Ind., assignors to General Electric Company. Vibrator. 2,259,131; Oct. 14.
Fleming, Frank E., Jr., Joliet, Ill. Identifying book contents. 2,259,203; Oct. 14.
Fletcher Works, Inc. (See Bartholomew, Robert J., assignor.)
Flikkie, Henry J., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Storage battery cell cover assembly. 2,259,158; Oct. 14.
Floyd, Francis M. (See Kannenstine, F. M., and Floyd, assignors.)
Fockler, Theodore C. (See Blankenbuehler, J. H., and Fockler.)
Follansbee, Merrill N., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Trimming machine. 2,258,602; Oct. 14.
Folsom, George I. (See Grothey I. W., and Folsom.)
Foot-Sadl, Inc. (See Smith, Iredell M., assignor.)
Forbell, Charles H., Bayside, N. Y. Educational and amusement device. 2,258,603; Oct. 14.
Fortune, James C., assignor to Reed Roller Bit Company, Houston, Tex. Stuffing box. 2,258,887; Oct. 14.
Foster, William M., assignor to H. A. Douglas Mfg. Co., Bronson, Mich. Push button switch. 2,259,304; Oct. 14.
Frank, Frederick C., assignor to Bendix Products Corporation, South Bend, Ind. Brake. 2,258,888; Oct. 14.
Frank, Walter N., Miamisburg, assignor to The Apex Machine and Tool Company, Dayton, Ohio. Universal joint. 2,259,338; Oct. 14.
Frederick, Fred A. (See Horn, H. J., and Frederick.)
Freeman, George A., East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Automatic exhaust of high pressure lamps. 2,259,105; Oct. 14.
Freeport Sulphur Company. (See Hills, Robert C., assignor.)
Frey, Frederick E., and L. H. Fitch, Jr., deceased, by First National Bank of Bartlesville, administrator, assignors to Phillips Petroleum Company, Bartlesville, Okla. Preparation of resinous reaction products of sulphur dioxide and olefins. 2,258,702; Oct. 14.
Friddle, Needum W. (See Laird, R. O., and Friddle.)
Fulton, Nell, New York, N. Y. Key hold. 2,259,204; Oct. 14.
Funk, James G. (See Schwarz, B. A., Funk, and Stelzl.)
Gabrielson, Samuel, South Lynnfield, Mass., assignor to General Electric Company. Reset for thermal demand meters. 2,259,371; Oct. 14.
Gagnebin, Albert P., Fair Haven, N. J., assignor to The International Nickel Company, Inc., New York, N. Y. Cast steel. 2,258,604; Oct. 14.
Galbreath, R. H., et al. (See Ryder, James, assignor.)
Gardner, George F., Alplaus, N. Y., assignor to General Electric Company. Temperature measuring device. 2,259,132; Oct. 14.
Gardner, Paul N., assignor to Mer-Q-Ree Incorporated, Bethesda, Md. Lamp construction. 2,259,416; Oct. 14.
Gardner-Richardson Company, The. (See Fisher, H. C., and Sooy, assignors.)
Garrison, Nijah L., Oklahoma City, Okla. Bookcase unit. 2,258,948; Oct. 14.
Garth, Ernest D. G., Philadelphia, Pa. Garment supporter. 2,258,605; Oct. 14.
Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drill. 2,258,949; Oct. 14.
Gaston, Donald H., Evansville, Ind., assignor to General Electric Company. Refrigerating machine. 2,259,066; Oct. 14.
Gates, Henry S., Sharon, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Switch operating mechanism. 2,259,305; Oct. 14.
Gates Rubber Company, The. (See Yelm, Charles W., assignor.)
Gehman, Samuel D., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Rubber hydrochloride composition. 2,259,339; Oct. 14.
Geisler, Otmar, assignor to Süddeutsche Apparatefabrik G. m. b. H., Nuremberg, Germany. Light sensitive device. 2,259,372; Oct. 14.
General Electric Company. (See Anderson, James M., assignor.)
General Electric Company. (See Barton, Theophilus F., assignor.)
General Electric Company. (See Crary, Selden B., assignor.)
General Electric Company. (See Dickinson, Edgar D., assignor.)
General Electric Company. (See Eaton, John, assignor.)
General Electric Company. (See Engster, Frank W., assignor.)
General Electric Company. (See Fleischer, F. H., and Morrill, assignors.)
General Electric Company. (See Gabrielson, Samuel, assignor.)
General Electric Company, (See Gardner, George F., assignor.)
General Electric Company. (See Gaston, Donald H., assignor.)
General Electric Company. (See Halvorson, Cromwell A. B., assignor.)
General Electric Company. (See Harrington, Richards H., assignor.)
General Electric Company. (See Heineman, William R., assignor.)
General Electric Company. (See Hill, William S., assignor.)
General Electric Company. (See Hogg, Francis M., assignor.)
General Electric Company. (See Inman, George E., assignor.)
General Electric Company. (See Inutsuka, Hideo, assignor.)
General Electric Company. (See Keiting, Richard C., assignor.)
General Electric Company. (See Krochmann, Eduard, assignor.)
General Electric Company. (See Oesinghaus, Werner, assignor.)
General Electric Company. (See Rankin, William K., assignor.)
General Electric Company. (See Rayden, Raymond G., assignor.)
General Electric Company. (See Russell, John J., assignor.)

General Electric Company. (See Schuck, Carl L., assignor.)
General Electric Company. (See Somerville, G. G., and Catlett, assignors.)
General Electric Company. (See Stoehr, Max, assignor.)
General Electric Company. (See Thompson, L. W., and Crary, assignors.)
General Electric Company. (See Wardwell, George W., Jr., assignor.)
General Motors Corporation. (See Bichowski, Francis R., assignor.)
General Motors Corporation. (See Brackett, Tracy F., assignor.)
General Motors Corporation. (See Brian, William S., assignor.)
General Motors Corporation. (See Cotter, Bart, assignor.)
General Motors Corporation. (See Doane, Harry C., assignor.)
General Motors Corporation. (See Hecker, Carl, assignor.)
General Motors Corporation. (See Hill, Robert H., assignor.)
General Motors Corporation. (See Loney, Neil M., assignor.)
General Motors Corporation. (See McCormick, Francis H., assignor.)
General Motors Corporation. (See Meyer, E. A., and Cotter, assignors.)
General Motors Corporation. (See Pearce, George C., assignor.)
General Motors Corporation. (See Rabezzana, Hector, assignor.)
General Motors Corporation. (See Rabezzana, H., and Battey, assignors.)
General Motors Corporation. (See Ross, Arthur, assignor.)
General Motors Corporation. (See Schwarz, B. A., and Fichter, assignors.)
General Motors Corporation. (See Schwarz, B. A., Funk, and Stelzl, assignors.)
General Motors Corporation. (See Strickland, George H., assignor.)
General Motors Corporation. (See Williams, Fred, assignor.)
General Steel Castings Corporation. (See Beckette, Edmund S., assignor.)
General Steel Castings Corporation. (See McCormick, John A., assignor.)
General Steel Castings Corporation. (See Meyer, William H., assignor.)
General Steel Castings Corporation. (See Sheehan, W. M., and Travilla, assignors.)
General Steel Castings Corporation. (See Travilla, J. C., Jr., and Cease, assignors.)
Gilbert, Herman W., Kew Gardens, assignor to Cutting Room Appliances Corp., New York, N. Y. Counting apparatus. 2,259,159; Oct. 14.
Gill, Leo, Allentown, assignor of thirty per cent to D. R. Diehl, Weissport, Pa. Frangible license plate for automobiles and the like. 2,258,754; Oct. 14.
Gillican, Charles C., Homerville, Ga., assignor, by mesne assignments, to The Glidden Company, Cleveland, Ohio. Rosin package. 2,259,035; Oct. 14.
Giroux, Joseph A., Southbridge, Mass. Projection apparatus. 2,259,340; Oct. 14.
Glaser, Clifford G., Buffalo, N. Y. Orthodontic device. 2,259,160; Oct. 14.
Glaser, Erich, Brussels-Uccle, Belgium, assignor, by mesne assignments, to Chromogen, Incorporated. Manufacture of dyed gelatin layers for photographic purposes. 2,258,755; Oct. 14.
Glässing, Karl, assignor to Robert Bosch Gesellschaft mit beschränkter Haftung, Stuttgart, Germany. Electromagnetically operated petrol supply pump 2,258,586; Oct. 14.
Gleiser, Nelson J. (See Ebert, E. A., and Gleiser)
Glickman, Samuel L. (See Sholkin, M. E., and Glickman.)
Glidden Company, The. (See Gillican, Charles C., assignor.)
Globe-Union, Inc. (See Rubinstein, Harry W., assignor.)
Goldfield, Edwin R., University Heights, and E. B. Graves, South Euclid, assignors to Picker X-Ray Corporation, Waite Manufacturing Division, Inc., Cleveland, Ohio. X-ray apparatus. 2,259,036; Oct. 14.
Goodale, Uel R., New Suffolk, N. Y. Gas fired boiler. 2,259,373; Oct. 14.
Goodner, Ernest F., Berkeley, assignor to Standard Oil Company of California, San Francisco, Calif. Foam composition. 2,258,587; Oct. 14.
Goodrich, B. F., Company, The. (See Flikkie, Henry J., assignor.)
Goodrich, B. F., Company, The. (See Jones, Paul C., assignor.)
Goodrich, B. F., Company, The. (See Küng, Frederick E., assignor.)
Goodrich, B. F., Company, The. (See Schoenfeld, F. K., and Semon, assignors.)
Goodrich, B. F., Company, The. (See Smiley, Pearl Y., assignor.)
Gordon, Jack J., and J. H. Zeigler, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Extraction apparatus. 2,258,982; Oct. 14.
Gore, Robert T. (See Woll, W. G., and Gore.)
Gorn, Elmer J., Brookline, assignor to Raytheon Production Corporation, Newton, Mass. Tube base. 2,258,606; Oct. 14.
Gorrie, Harvard H., Cleveland Heights, Ohio, assignor to Bailey Meter Company. Control system. 2,259,417; Oct. 14.
Gotthard Sachsenberg Zentralgesellschaft mit beschränkter Haftung. (See Hasenzahl, Rudolf, assignor.)
Grabau, William C., San Francisco, Calif., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Voltage regulator. 2,258,607; Oct. 14.
Graham, Adelbert M., Beverly Hills, assignor to W. G. L. Smith, Los Angeles, Calif. Cable spooling device. 2,258,889; Oct. 14.
Graham, James F., West Memphis, Ark. Apparatus for cleaning cotton. 2,258,928; Oct. 14.
Graham, Matthew P. (See Hufferd, G. H., and Graham.)
Gramelspacher, Clarence U., Jasper, Ind. Road construction. 2,259,374; Oct. 14.
Grand Rapids Store Equipment Company. (See Williams, Paul G., assignor.)
Graves, Addie B., Redding, Calif. Ear protector. 2,258,929; Oct. 14.
Graves, Edward B., South Euclid, assignor to Picker X-Ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio. Cooling X-ray tubes. 2,259,037; Oct. 14.
Graves, Edward B. (See Goldfield, E. R., and Graves.)
Gray, Donald C., Rose Township, Ramsey County, assignor to American Hoist & Derrick Company, St. Paul, Minn. Hydraulically controlled brake. 2,258,756; Oct. 14.
Greaves, Valentine F., Oakland, Calif. Progressive separator. 2,258,983; Oct. 14.
Greaves, Valentine F., Oakland, Calif. Progressive separator. 2,258,984; Oct. 14.
Greenough, Henry B., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Machine for operating upon shoes. 2,258,703; Oct. 14.
Greenpoint Metallic Bed Company. (See Raduns, Solomon, assignor.)
Griffins, Morris E. (See Peterson, S. E., and Griffins.)
Grisdale, Richard O., Elmsford, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Resistance material. 2,258,646; Oct. 14.
Grothey, Ivan W., and G. I. Folsom, assignors to Scott & Williams, Incorporated, Laconia, N. H. Clamping and cutting mechanism for circular knitting machines. 2,259,375; Oct. 14.
Guild, Thomas A., Waipahu, Hawaii. Cane grab. 2,259,376; Oct. 14.
Gulley, Ennis A., assignor of one-half to E. R. Abel, Winchester, Ind. Automobile tool. 2,259,038; Oct. 14.
Gustafson, Carl A., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Road grader. 2,258,890; Oct. 14.
Haase, Harold R., River Forest, Ill. Venetian blind and fastener therefor. 2,258,647; Oct. 14.
Hadley, Harlan A., St. Johnsbury, Vt., assignor to Fairbanks, Morse and Company, Chicago, Ill. Understructure for weighing scales. 2,258,648; Oct. 14.
Haefner, Rudolf, Frankfort-on-the-Main, Romerstadt, and M. Schunck, Oberursel, near Frankfort-on-the-Main, Germany. Metal drawing process. 2,258,930; Oct. 14.
Hager, Gustave G., New York, N. Y. Switch mechanism. 2,259,106; Oct. 14.
Hall, Harris S. (See Ralph, R., and Hall.)
Halvorson, Cromwell A. B., Lynn, Mass., assignor to General Electric Company. Luminaire. 2,259,107; Oct. 14.
Hamill, James, West Orange, N. J. Vacuum pan. 2,258,704; Oct. 14.
Hanna, William T., Cincinnati, Ohio. Stoking mechanism. 2,258,757; Oct. 14.
Hannay, William H., and B. J. Walsh, Trail, British Columbia, assignors to The Consolidated Mining & Smelting Company of Canada, Limited, Montreal, Quebec, Canada. Electrolytic manganese process. 2,259,418; Oct. 14.
Hans, Edmund E., Detroit, Mich. Water circulating system for automobile heaters. 2,259,341; Oct. 14.
Hansen, Merrill E., assignor to American Anode Inc., Akron, Ohio. Deposition belt and making the same. 2,259,161; Oct. 14.
Hanson, Rodney L. (See Farrall, A. W., and Hanson.)
Hard, Herbert G. (See Bannister, Walter F., assignor.)
Harder, Oscar E., Columbus, Ohio, assignor to Inland Steel Company, Indiana Harbor, Ind. Adding lead to steel. 2,259,342; Oct. 14.
Harding, William R., Murrysville, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric shovel control. 2,259,306; Oct. 14.
Harper, Elmer E., Kansas City, Mo. Mechanical instrument holder device. 2,259,133; Oct. 14.
Harrington, Charles D., New Rochelle, N. Y. System of notation. 2,258,891; Oct. 14.
Harrington, Richards H., Schenectady, N. Y., assignor to General Electric Company. Bearing alloy. 2,259,108; Oct. 14.

Harris, Benjamin R., Chicago, Ill. Ethers of polyglycerols. 2,258,892; Oct. 14.
Harris, John L., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Motor control system. 2,259,343; Oct. 14.
Harshberger, Russell P., Pasadena, Calif. Razor. 2,258,608; Oct. 14.
Haselton, Merton L. (See Hicks, R. M., and Haselton.)
Hasenzahl, Rudolf, Dessau, assignor to Gotthard Sachsenberg Zentralgesellschaft mit beschränkter Haftung, Berlin, Germany. Internal combustion engine. 2,258,649; Oct. 14.
Hat Corporation, of America. (See Berg, Henry, Jr., assignor.)
Hat Corporation of America. (See Jensen, Axel, assignor.)
Hatzig, Hans, Mannheim-Waldhof, Germany, assignor to Rare Chemicals, Inc., Nepera Park, N. Y. Process for oxidation of halogen compounds of cyclic ketones. 2,259,109; Oct. 14.
Haub, George R., Zanesville, Ohio, assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Fitter mechanism for glassware. 2,259,377; Oct. 14.
Haultain, Herbert E. T., Toronto, Ontario, Canada. Apparatus for controlling the volume of flow of fluids. 2,258,758; Oct. 14.
Hawkinson, Eric. (See L'Hommedieu, A. W., and Hawkinson.)
Hayek, Erich. (See Wenzel, W., and Hayek.)
Hayter, Bruce, assignor to Oil Devices, Santa Fe, N. Mex. Recirculating gasifier or pilot. 2,258,679; Oct. 14.
Hazel-Atlas Glass Company. (See Haub, George R., assignor.)
Heacock, Ralph H., Oaklyn, N. J., assignor to Radio Corporation of America. Sound reproducer. 2,258,759; Oct. 14.
Heath, Alfred T. (See Cameron, C. McL., and Heath.)
Hecker, Carl, Flint, assignor to General Motors Corporation, Detroit, Mich. Thread gauge. 2,258,760; Oct. 14.
Hedene, Edwin E., Oakland, Calif., assignor to Merco Nordstrom Valve Company, Pittsburgh, Pa. Fluid motor controlled valve. 2,258,585; Oct. 14.
Heer, Francis C., and L. Liebl, Sr., Lindenhurst, N. Y. Massaging and invigorating device. 2,258,931; Oct. 14.
Hefley, Dana G., and J. G. Staudt, Tulsa, Okla., assignors to The Dow Chemical Company, Midland, Mich. Well drilling. 2,259,419; Oct. 14.
Heidkamper, Herman H., Kalamazoo, Mich. Lamp socket. 2,259,378; Oct. 14.
Heilpern, Edmund P., Topeka, Kans. Novelty folder. 2,259,205; Oct. 14.
Heineman, William R., Meriden, Conn., assignor to General Electric Company. Electrical insulation material. 2,259,134; Oct. 14.
Herbold, Carl F., Lakewood, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Lighting unit. 2,259,307; Oct. 14.
Hercules Powder Company. (See Kirkpatrick, William J., assignor.)
Hercules Powder Company. (See Ray, Philip A., assignor.)
Herrick, Roswell H., Oak Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Signaling system and apparatus. 2,258,650; Oct. 14.
Herzbruch, August, Sprockhovel, assignor to Stahlwerk Mark Wengern A. G., Wengern, Ruhr, Germany. Pneumatic percussion tool with slide valve control gear. 2,259,379; Oct. 14.
Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake control apparatus. 2,258,761; Oct. 14.
Heylandt, Christian W. P., and R. Mewes, Berlin-Britz, Germany; said Mewes assignor to said Heylandt. Multistage internal combustion engine. 2,259,308; Oct. 14.
Hibbard, Frank H., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Chronometric instrument. 2,259,309; Oct. 14.
Hickok, Willard, Bloomfield, N. J., assignor to Radio Corporation of America. Television system. 2,258,762; Oct. 14.
Hicks, Raymond M., Westfield, N. J., and M. L. Haselton, Rye, assignors to The Teleregister Corporation, New York, N. Y. Quotation system. 2,258,952; Oct. 14.
Higgins, William H. C., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Antenna system. 2,258,953; Oct. 14.
Hill Acme Company, The. (See Lamprecht, Merle W., assignor.)
Hill, Guy, Rondebosch, Cape Town, Cape of Good Hope, Union of South Africa. Mounting postage stamps or the like. 2,258,705; Oct. 14.
Hill, John R., Parlin, N. J., assignor to Du Pont Film Manufacturing Corporation, New York, N. Y. Nonhalation photographic element. 2,258,609; Oct. 14.
Hill, Robert H., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Remote automatic radio control. 2,258,763; Oct. 14.
Hill, Rowland, assignor to Chicago Forging & Manufacturing Company, Chicago, Ill. Front control hood latch. 2,258,680; Oct. 14.
Hill, William S., Westport, Conn., assignor to General Electric Company. Stabilizing system. 2,259,135; Oct. 14.
Hills, Robert C., Port Sulphur, La., assignor to Freeport Sulphur Company, New York, N. Y. Flotation process for oxidized manganese ore. 2,259,420; Oct. 14.
Hinde & Dauch Paper Company, The. (See Larkin, Daniel A., assignor.)
Hirsch, Alf C., J. F. Cullen, A. R. Krause, and H. O. Hutchens, Eau Claire, Wis., assignors, by mesne assignments, to United States Rubber Company, New York, N. Y. Apparatus for manufacturing tires. 2,259,162; Oct. 14.
Hodge, Arthur J., Lomita, Calif., assignor to The National Supply Company, Pittsburgh, Pa. Rotary machine. 2,259,223; Oct. 14.
Hodge, Arthur J., Lomita, Calif., assignor to The National Supply Company, Pittsburgh, Pa. Drill stem drive device. 2,259,224; Oct. 14.
Hogg, Francis M., Erie, Pa., assignor to General Electric Company. Latch. 2,259,136; Oct. 14.
Hoglund, Gustav O., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Joining. 2,258,681; Oct. 14.
Holcomb, Ralph S. (See Williams, D., and Holcomb.)
Holtzman, John, New York, N. Y., assignor to Magazine Repeating Razor Company, Bridgeport, Conn. Shaving device. 2,259,163; Oct. 14.
Hoover Company, The. (See Carlson, Vernon E., assignor.)
Hoover Company, The. (See Kitto, William H., assignor.)
Hopkins, Arnold R., Nevada, Mo. Cathead for drilling apparatus. 2,259,206; Oct. 14.
Hopkins, John M. (See Ely, P. C., and Hopkins.)
Hopkinson, Frederick J., assignor to Eastman Kodak Company, Rochester, N. Y. Manufacture of ketene. 2,258,985; Oct. 14.
Horn, Harry J., and F. A. Frederick, assignors to Motor Wheel Corporation, Lansing, Mich. Dust guard cover. 2,258,852; Oct. 14.
Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Container. 2,258,610; Oct. 14.
Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Container capping machine. 2,258,611; Oct. 14.
Hovland, Henry, Williston Park, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,258,651; Oct. 14.
Hudepohl, Fred H. (See Krueger, F. G., and Hudepohl.)
Hufford, George H., and M. P. Graham, Detroit, Mich., assignors to Thompson Products Incorporated, Cleveland, Ohio. Composite joint stud and making same. 2,259,067; Oct. 14.
Hughes By-Product Coke Oven Corporation. (See Hughes, Charles H., assignor.)
Hughes, Charles H., Glen Ridge, N. J., assignor to Hughes By-Product Coke Oven Corporation, New York, N. Y. Broad coke oven. 2,259,380; Oct. 14.
Hughes, Patrick G., and P. O. Kock, assignors of one-third to C. R. Karst, Cincinnati, Ohio. Traffic signal. 2,258,764; Oct. 14.
Hughes Tool Company. (See Evans, Seth, assignor.)
Hull, Robert W., Connersville, Ind. Refrigerating apparatus. 2,259,039; Oct. 14.
Humphrey, William J., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,258,893; Oct. 14.
Hunt, John W., Philadelphia, Pa. Contact shim for electrical receptacles. 2,259,207; Oct. 14.
Hurd, Clifford W., assignor to Farley & Loetscher Manufacturing Company, Dubuque, Iowa. Window frame. 2,259,310; Oct. 10.
Hutchens Howard O. (See Hirsch, A. C., Cullen, Krause, and Hutchens.)
Hutchison, Cedric W., El Monte, assignor of thirty-five per cent to R. N. Hutchison, Covina, Calif. Fluid clutch. 2,259,208; Oct. 14.
Hutchison, Miller R., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Multiple compartment lantern slide holder. 2,258,986; Oct. 14.
Hutchison, Robert N. (See Hutchison, Cedric W., assignor.)
Hydraulic Development Corp. Inc., The. (See Ernst, Walter, assignor.)
Hydraulic Development Corp. Inc., The. (See Tucker, W. R., and Shaw, assignors.)
Hydraulic Press Corp. Inc., The. (See Ernst, Walter, assignor.)
Hydraulic Press Corporation, The. (See Shaw, V. S., and Ernst, assignors.)
Hydril Company. (See Stone, Albert L., assignor.)
Hygienic Tube & Container Corporation. (See Lermer, Irving S., assignor.)
I-T-E Circuit Breaker Company. (See (Scott, William M., Jr., assignor.)
Ideal Commutator Dresser Company. (See Buettell, Marc A., assignor.)
Iftiger, William C., Sr., Santa Fe Springs, Calif. Coupling. 2,259,137; Oct. 14.
Iler, Ralph K., Cleveland Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of sulphuryl chloride. 2,259,248; Oct. 14.

Imbriani, Louis, assignor to Ainslie Knitting Machine Company, Inc., Brooklyn, N. Y. Method and machine for knitting gloves. 2,259,381; Oct. 14.
Ingels, James J., Chicago, Ill., assignor of one-half to The Cincinnati Sheet Metal and Roofing Company, Cincinnati, Ohio. Corner snap lock. 2,259,382; Oct. 14.
Ingersoll-Rand Company. (See Miller, Frank, assignor.)
Ingwer, Max, Forest Hills, assignor to Consolidated Sewing Machine & Supply Co. Inc., New York, N. Y. Furrier's knife. 2,259,249; Oct. 14.
Inland Steel Company. (See Harder, Oscar E., assignor.)
Inman, George E., East Cleveland, Ohio, assignor to General Electric Company. Electric discharge lamp. 2,259,040; Oct. 14.
Institute of Paper Chemistry, The. (See Smith, Allan K., assignor.)
Interchemical Corporation. (See Ryan, L. W., and Cauwenberg, assignors.)
Inter-Coastal Paint Corporation. (See Weiskirch, Thomas N., assignor.)
International Nickel Company, The. (See Gagnebin, Albert P., assignor.)
International Smelting & Refining Company. (See Woll, W. G., and Gore, assignors.)
International Standard Electric Corporation. (See Bernamont, Jean, assignor.)
International Telephone Development Co. Inc. (See Wendell, Edward N., assignor.)
Inutsuka, Hideo, Tokyo Denki K. K., Japan, assignor to General Electric Company. Preparing electrically insulating material. 2,259,138; Oct. 14.
Jackson, Alexis, Bayside, assignor to V. S. Makaroff, New York, N. Y. Lifting jack. 2,259,421; Oct. 14.
Jackson, Corwill, Ludington, Mich. Concrete placement apparatus. 2,259,110; Oct. 14.
Jackson, Wallace T. (See Childs, H. R., and Jackson.)
Jacob, Frederick N., assignor to Johnson Laboratories, Inc., Chicago, Ill. Securing alignment in a plurality of resonant circuits. 2,259,250; Oct. 14.
Jacobs, James W., Lorenzo, Tex. Agricultural implement. 2,258,932; Oct. 14.
Jakubowski, Bruno K., and A. J. Wolski, Chicago, Ill. Washing device. 2,258,895; Oct. 14.
James, Robert F., Mahwah, N. J., assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Radiating apparatus and method. 2,258,765; Oct. 14.
James, Wilfred H., assignor to Johnson Laboratories, Inc., Chicago, Ill. Mounting device for adjustable inductors. 2,258,652; Oct. 14.
Janco, Nathan, assignor to Reed Roller Bit Company, Houston, Tex. Hard surfacing metal bodies. 2,258,894; Oct. 14.
Jauch, Eugen, Berlin-Siemensstadt, assignor to Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung, Berlin, Germany. Telephone system. 2,258,853; Oct. 14.
Jayne, David W., Jr., Old Greenwich, and L. L. Lento, Jr., Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Purifying guanidine nitrate. 2,258,612; Oct. 14.
Jensen, Axel, Danbury, assignor to Hat Corporation of America, Norwalk, Conn. Hat-blocking machine. 2,258,954; Oct. 14.
Jensen, Louie, Racine, Wis. Shoe holder. 2,258,766; Oct. 14.
Jisco, Incorporated. (See Baehr, H., and Deiters, assignors.)
Johns, George M., assignor to Smithjohns, Inc., Sappington, Mo. Cable clamp. 2,259,068; Oct. 14.
Johns-Manville Corporation. (See Meek, Stuart G., assignor.)
Johnson, Herbert B., assignor to Ritter Products Corporation, Rochester, N. Y. Electrostatic separating apparatus. 2,258,767; Oct. 14.
Johnson Laboratories, Inc. (See Jacob, Frederick N., assignor.)
Johnson Laboratories, Inc. (See James, Wilfred H., assignor.)
Johnson Laboratories, Inc. (See Sinninger, Dwight V., assignor.)
Jones, Paul C., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Reacting sulphur monochloride and amines. 2,259,164; Oct. 14.
Joy Manufacturing Company. (See Baechli, George, assignor.)
Junkers & Co. G. m. b. H. (See Merten, Otto, assignor.)
Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft. (See Wagner, H., Muttray, and Wagensell, assignors.)
Kahlisch, Gustav. (See Reiners, Wilhelm and W., and Kahlisch.)
Kaiser, Donald W. (See Thurston; J. T., and Kaiser.)
Kanp, John C., Buffalo, assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Tone arm trip mechanism for automatic phonographs. 2,259,251; Oct. 14.
Kannenstine, Fabian M., and F. M. Floyd, Houston, Tex.; said Floyd assignor to said Kannenstine. Measuring instrument. 2,258,613; Oct. 14.
Karasick, Samuel, Mount Vernon, N. Y. Incandescent lamp and the like and making the same. 2,259,165; Oct. 14.
Karius, William. (See Demarest, D. D., Berendt, and Karius.)
Karlberg, Arvid E., assignor to Chicago Seal Company, Chicago, Ill. Shaft seal. 2,259,422; Oct. 14.
Karrer, Sebastian. (See Betz, P. L., and Karrer.)
Karst, Carl R. (See Hughes, P. G., and Kock, assignors.)
Kauffman, Lester S. (See Brumbaugh, I. V., Kauffman, and Reinhart.)
Kelker, Rudolph F., Jr., Evanston, Ill. Turnstile. 2,258,896; Oct. 14.
Kelsey-Hayes Wheel Company. (See Main, Frank L., assignor.)
Kelting, Richard C., Orange, N. J., assignor to General Electric Company. Electric discharge apparatus. 2,259,069; Oct. 14.
Kemp, Roland J. (See Fewings, D. J., and Kemp.)
Kendrick, John F., Chicago, Ill., assignor to Sullivan Machinery Company. Treating and producing oil-water wells. 2,258,614; Oct. 14.
Kendrick, John F., Chicago, Ill., assignor to Sullivan Machinery Company. Apparatus for the treatment and producing of oil-water wells. 2,258,615; Oct. 14.
Kendrick, John F., Chicago, Ill., assignor to Sullivan Machinery Company. Treatment and producing of oil wells. 2,258,616; Oct. 14.
Kendrick, Louis W., Springfield, Mass. Towel rack. 2,259,166; Oct. 14.
Kenne, Anthony. (See Kenne, Casper, assignor.)
Kenne, Casper, assignor of one-half to A. Kenne, Des Moines, Iowa. Wall cleaning apparatus. 2,258,588; Oct. 14.
Kent, Edward, Highland Park Mich. Air conditioning system. 2,258,682; Oct. 14.
Ketterer, Robert, Philadelphia, Pa. Insect trap. 2,258,683; Oct. 14.
Kiel, Wilhelm, Glashutte, Germany. Multiple totalizer structure. 2,259,344; Oct. 14.
Kienle, Roy H., Bound Brook, and A. L. Peiker, East Bound Brook, N. J., assignors, by mesne assignments, to American Cyanamid Company, New York, N. Y. Coloring composition for textiles. 2,259,225; Oct. 14.
Kilborn-Sauer Company, The. (See Sauer, Henry J., assignor.)
Kilgore, Lee A., Forest Hills, and R. A. Baudry, Pittsburgh, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric coupling. 2,259,311; Oct. 14.
Kilgore Manufacturing Company, The. (See Driggs, Louis L., Jr., assignor.)
Kimbirl, Avery C., and E. A. Terrell, Charlotte, N. C., assignors to The Terrell Machine Company, Incorporated. Bobbin. 2,258,768; Oct. 14.
Kirkpatrick, William J., Marshallton, assignor to Hercules Powder Company, Wilmington, Del. Preparation of hydrogenation catalyst. 2,259,423; Oct. 14.
Kittel, John J., St. Albans, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 2,258,769; Oct. 14.
Kittilsen, Hjalmar. (See Pearlman, J., and Kittilsen.)
Kitto, William H., Canton, assignor to The Hoover Company, North Canton, Ohio. Heat exchanger. 2,259,433; Oct. 14.
Kleinman, Harold A., Moline, Ill., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Means and method of continuously indicating the rate of rotation of self-ventilated machines. 2,258,770; Oct. 14.
Kline, Crandall R. (See Maas, E. F., and Kline.)
Klingelfuss, Eugene H., assignor to Klingrose Machine Corporation, Brooklyn, N. Y. Printing fluid distributor for printing machines. 2,258,653; Oct. 14.
Klingelhoefer, William C., Syracuse, assignor to The Solvay Process Company, New York, N. Y. Recovery of chlorine from nitrosyl chloride-containing gases. 2,258,771; Oct. 14.
Klingelhoefer, William C., Syracuse, assignor to The Solvay Process Company, New York, N. Y. Recovering chlorine from nitrosyl chloride-containing gases. 2,258,772; Oct. 14.
Klingrose Machine Corporation. (See Klingelfuss, Eugene H., assignor.)
Knapp-Monarch Company. (See Knapp, Raymond, assignor.)
Knapp-Monarch Company. (See Kochner, William B., assignor.)
Knapp, Raymond, Long Island City, N. Y., assignor to Knapp-Monarch Company, St. Louis, Mo. Hair clipper. 2,259,001; Oct. 14.
Knapp, Raymond, Long Island City, N. Y., assignor to Knapp-Monarch Company, St. Louis, Mo. Cutterhead construction for dry shavers. 2,259,002; Oct. 14.
Knauff, Harry A., Pittsburgh, Pa. Latching device. 2,258,617; Oct. 14.
Knob, David P., Long Beach, N. Y. Tobacco pipe bowl filler. 2,258,933; Oct. 14.
Koch, Frederick, Sparta, assignor to Associated Patentees, Inc., Ampere, N. J. Automatic milling machine. 2,259,424; Oct. 14.
Kochner, William B., assignor to Knapp-Monarch Company, St. Louis, Mo. Motor frame construction. 2,258,987; Oct. 14.
Kock, Paul O. (See Hughes, P. G., and Kock.)

Koenig, Werner, Lucerne, assignor to Landis & Gyr, A.-G., Zug, Switzerland. Remote control system. 2,258,654; Oct. 14.

Kozlovskis, Oskar, New York, N. Y. Block and tackle. 2,259,252; Oct. 14.

Kozlovskis, Oskar, New York, N. Y. Block and tackle. 2,259,253; Oct. 14.

Krager, William F., Minneapolis, Kans. Signal switching apparatus. 2,258,706; Oct. 14.

Krause, Arnold R. (See Hirsch, A. C., Cullen, Krause, and Hutchens.)

Kremens, Abraham I. (See Raiziss, G. W., Clemence, and Kremens.)

Krochmann, Eduard, Grunau, Germany, assignor to General Electric Company. Telemetering receiver. 2,259,070; Oct. 14.

Kroon, Reinout P., Swarthmore, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Elastic-fluid turbine. 2,258,773; Oct. 14.

Krueger, Fred G., Norwood, and F. H. Hudepohl, St. Bernard, Ohio. Bottle crate. 2,258,707; Oct. 14.

Kruithof, Arie A. (See de Gier, J., Kruithof, and Penning.)

Krus, Adolf. (See Eulenstein, F., and Krus.)

Kuchley, Josef, Berlin-Siemensstadt, and W. Pinell, Falkensee, near Berlin, assignors to Fides Gesellschaft für die Verwaltung und Verwertung von Gewerblichen Schutzrechten m. b. H., Berlin, Germany. Automatic telephone system. 2,258,854; Oct. 14.

Kühne, Kurt, Kreischa, Germany. Hydraulic towing device for river craft. 2,259,226; Oct. 14.

Küng, Frederick E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Cyanhydrin interchange. 2,259,167; Oct. 14.

Kutz, Hugo J., Grafton, N. Dak. Apparatus for removing liquids from tanks and the like. 2,259,383; Oct. 14.

Kuzmick, Joseph N., assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Manufacture of abrasive products. 2,258,774; Oct. 14.

Kuzmick, Joseph N. and P. L., Clifton, assignors to Raybestos-Manhattan, Inc., Passaic, N. J. Abrasive wheel and reinforcing mounting. 2,259,345; Oct. 14.

Kuzmick, Paul L. (See Kuzmick, Joseph N. and P. L.)

La Brie, Ludger E., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,258,855; Oct. 14.

La Brie, Ludger E., assignor to Bendix Products Corporation, South Bend, Ind. Mechanical servo brake. 2,258,897; Oct. 14.

Laclede Steel Company. (See Young, L., and Be Dell, assignors.)

Laidig, Alfred H., Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Double bimetallic gaseous relay. 2,259,111; Oct. 14.

Laird, Robert O., Cement, Okla., and N. W. Friddle, Kellerville, Tex. Oil well rack device. 2,258,934; Oct. 14.

La Mont Corporation. (See Vorkauf, Heinrich, assignor.)

Lamprecht, Merle W., Rocky River, assignor to The Hill Acme Company, Cleveland, Ohio. Handling apparatus for forging blanks. 2,259,168; Oct. 14.

Landis & Gyr, A.-G. (See Koenig, Werner, assignor.)

Lang, Frederick A., Tacoma, Wash. Rolled material cutting table. 2,258,898; Oct. 14.

Lang, Luis. (See Biro, Laszlo J., assignor.)

Langkammerer, Carl M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Glass article. 2,258,708; Oct. 14.

Larkin, Daniel A., assignor to The Hinde & Dauch Paper Company, Sandusky, Ohio. Display carton. 2,259,041; Oct. 14.

Larkin, Lester U., assignor to Lul Products Inc., Baltimore, Md. Apparatus for the manufacture of finned structures. 2,258,618; Oct. 14.

Larkin, Walter, Norristown, Pa., assignor to Fidelity Machine Company, Wilmington, Del. Knitting head. 2,259,384; Oct. 14.

Lassen, Elvind U., Whitefish Bay, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric conveyor system. 2,258,775; Oct. 14.

Latham, Hubert A. (See Peckham, Josiah F., assignor.)

Layne & Bowler, Incorporated. (See Moehrl, Kenneth E., assignor.)

Lee, James E., Grand Haven, and F. Barney, Spring Lake, assignors to The Challenge Machinery Company, Grand Haven, Mich. Attachment for paper drilling machines. 2,258,856; Oct. 14.

Lee, Paul R., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Manufacturing thermostatic devices. 2,259,312; Oct. 14.

Leech, Florence D., and A. H. Adams, Jr., assignors, by mesne assignments, to Colorspace Patent Corporation, Newark, N. J. Looped textile fabric. 2,259,254; Oct. 14.

Leech, Florence D. (See Adams, A. H., Leech, and Epstein.)

Lehmann, Herbert G., Wood-Ridge, N. J., assignor to Casco Products Corporation, Bridgeport, Conn. Coffee maker. 2,258,589; Oct. 14.

Le Laurin, Louis A., San Antonio, Tex. Refuse truck. 2,258,988; Oct. 14.

Lempco Products, Inc. (See Blazek, J. Y., Roy, and Sears, assignors.)

Lento, Louis L. Jr. (See Jayne, D. W., and Lento.)

Lermer, Irving S., assignor to Hygienic Tube & Container Corporation, Newark, N. J. Packaging device. 2,258,777; Oct. 14.

Letsch, Gabriel, Berlin-Johannisthal, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Contact converter. 2,259,313; Oct. 14.

Lever Brothers Company. (See Maxwell, Bernard L., assignor.)

Levine, Louis, New York, N. Y. Metal hammering apparatus. 2,259,255; Oct. 14.

Levine, Max M. (See Dickey, J. B., and Levine.)

Lewis, Howard B., Venice, assignor to Salsbury Corporation, Inglewood, Calif. Chain adjustment. 2,258,778; Oct. 14.

Lewis, Robert H., North Arlington, and P. G. Adams, Bloomfield, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Demand register. 2,259,314; Oct. 14.

Lewthwaite, Raymond B. (See Young, M. S., and Lewthwaite.)

L'Hommedieu, Arthur W., and E. Hawkinson, assignors to Chas. F. L'Hommedieu & Sons Co., Chicago, Ill. Variable speed mechanism. 2,258,776; Oct. 14.

L'Hommedieu, Chas. F., & Sons, Co. (See L'Hommedieu, A. W., and Hawkinson, assignors.)

Liebl, Louis, Sr. (See Heer, F. C. and Liebl.)

Linde Air Products Company, The. (See Bucknam, J. H., and Clark, assignors.)

Lindenmuth, Henry W., Dearborn, Mich. Reciprocating sleeve. 2,259,385; Oct. 14.

Liner, Joseph L., Toledo, Ohio. Bimetallic temperature indicator. 2,258,989; Oct. 14.

Links, Heins, Gaggenau, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart, Germany. Adjusting device for fuel injection pumps. 2,258,655; Oct. 14.

Little, Julian R., Packanack Lake, N. J., assignor to United States Rubber Company, New York, N. Y. Resinous material. 2,259,169; Oct. 14.

Little, Royal, Providence, R. I., and P. J. Thomas, assignors to U. S. Textile Machine Company, Scranton, Pa. Yarn twisting and winding apparatus. 2,258,899; Oct. 14.

Little, Royal, Providence, R. I., and P. J. Thomas, assignors to U. S. Textile Machine Company, Scranton, Pa. Yarn and tail guide for winding machines. 2,258,900; Oct. 14.

Little, Weare C., et al. (See Beman, Archibald S., assignor.)

Lockridge, Howard L., Augusta Springs, Va. Agricultural implement. 2,259,170; Oct. 14.

Lockwood, Edwin H., and E. K. Clark, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Inverted thermostat dial. 2,259,315; Oct. 14.

Loetscher, John A. (See Cross, G. C., Loetscher, and Arduser.)

Loiseau, Maurice, Paris, France, assignor, by mesne assignments, to The Westinghouse Air Brake Company, Wilmerding, Pa. Steam heating system for vehicles. 2,258,779; Oct. 14.

Lomax, Harold A., Wyomissing, Pa. Alloy steel roll. 2,258,935; Oct. 14.

Loney, Neil M., Royal Oak, assignor to General Motors Corporation, Detroit, Mich. Cushion attachment. 2,258,780; Oct. 14.

Long, Elmer C., Grosse Pointe Park, Mich. Coaster skate. 2,259,346; Oct. 14.

Longwell, Robert R. (See Cox, J. H., and Longwell.)

Lucas, Paul J., Shamokin, Pa. Floral spray holder for caskets. 2,259,209; Oct. 14.

Lul Products, Inc. (See Larkin, Lester U., assignor.)

Lundie, Ernest S., Haddon Heights, N. J., assignor to Radio Corporation of America. Electric piano. 2,258,990; Oct. 14.

Lundquist, Wilton G., Hoboken, N. J., assignor to Wright Aeronautical Corporation. Planetary gear. 2,259,112; Oct. 14.

Luse, Gordon B., Big Spring, Tex. Vacuum cleaner. 2,259,386; Oct. 14.

Lustig, Walter R., Rockford, Ill. Lid support. 2,258,781; Oct. 14.

Lykken, Henry G., Minneapolis, Minn. Classifier. 2,258,901; Oct. 14.

Lyle, Frederick W., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Highway radio system. 2,259,316; Oct. 14.

Lyon, George A., Allenhurst, N. J. Wheel structure. 2,259,071; Oct. 14.

Lysholm, Alf, Stockholm, and G. K. W. Boestad, Lidingo, Sweden, assignors, by mesne assignments, to J. C. Marble, L. M. Merrill, and P. H. Batten, trustees. Variable speed power transmission. 2,258,684; Oct. 14.

Maas, Elov F., near Cuyahoga Falls, and C. R. Kline, Akron, Ohio, assignors to Wingfoot Corporation, Wilmington, Del. Container making. 2,259,256; Oct. 14.

MacBlane, James, Elmira Heights, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Operating mechanism for punch presses. 2,259,257; Oct. 14.

Mace, Charles, Denver, Colo. Developing tank. 2,259,259; Oct. 14.

MacFadden, Ross. (See Yates, George, assignor.)

MacIntire, Walter H., Knoxville, Tenn., assignor to American Zinc, Lead & Smelting Company, St. Louis, Mo. Sulphated selectively calcined dolomite and making the same. 2,258,709; Oct. 14.

Magazine Repeating Razor Company. (See Briggs, Arthur J., assignor.)

Magazine Repeating Razor Company. (See Holtzman, John, assignor.)

Magnetic Analysis Corporation. (See Zuschlag, Theodor, assignor.)

Main, Frank L., Birmingham, assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Brake mechanism. 2,259,074; Oct. 14.

Main, Frank L., Birmingham, assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Brake mechanism. 2,259,075; Oct. 14.

Makaroff, Vadim S. (See Jackson, Alexis, assignor.)

Mall, Arthur W., Flossmoor, assignor to Mall Tool Company, Chicago, Ill. Rotor for concrete vibrators. 2,259,113; Oct. 14.

Mall Tool Company. (See Mall, Arthur W., assignor.)

Mallory, Gerald D., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Laminating film. 2,259,347; Oct. 14.

Mansfield, William E., Garfield Heights, assignor, by mesne assignments, to Cleveland Tungsten, Inc., Cleveland, Ohio. Forming contacts. 2,258,992; Oct. 14.

Mantle Lamp Company of America, The. (See Davis, C. W., and Engh, assignors.)

Manuel, Charles J. (See Pringle, W. A., and Manuel.)

Marble, Jarvis C., et al., as trustee. (See Lysholm, A., and Boestad.)

Marbon Corporation. (See Winkelmann, H. A., and Moffett, assignors.)

Markey, Roscoe I., East Orange, assignor to Pollak Manufacturing Company, Arlington, N. J. Cowl fastener. 2,259,076; Oct. 14.

Marsh Valve Company. (See Mayne, Walter L., assignor.)

Marvel Equipment Corporation. (See Roethel, John H., assignor.)

Marx, Joseph, and H. P. Siegler, Cincinnati, Ohio. Exhaust gas return device for internal combustion engines. 2,258,902; Oct. 14.

Mason, John M. (See White, D. E., and Mason.)

Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric crystal apparatus. 2,259,317; Oct. 14.

Massey-Harris Company, The. (See Pfost, Lester S., assignor.)

Matsinger, Harry L., Philadelphia, Pa., assignor to Radio Corporation of America. Sound recording apparatus. 2,258,993; Oct. 14.

Matteson, Elwin A., and K. B. Bowman, assignors to The Aetna Standard Engineering Company, Youngstown, Ohio. Cleaning strip. 2,259,260; Oct. 14.

Mattiatzki, Alfred, New York, N. Y. Combination memorandum pad and illuminating device. 2,258,685; Oct. 14.

Mawbey, Lawrence, Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Work support. 2,258,711; Oct. 14.

Maxwell, Bernard L., Reading, Mass., assignor to Lever Brothers Company. Preserving soap and resulting product. 2,258,619; Oct. 14.

May & Baker, Limited. (See Ewins, A. J., and Phillips, assignors.)

Mayne, Walter L., Fredonia, assignor to Marsh Valve Company, Dunkirk, N. Y. Valve. 2,259,387; Oct. 14.

McCaffray, B. M. (See McCaffray, E., and Oyler, assignors.)

McCaffray, Edmund, Baltimore, and C. E. Oyler, Halethorpe, assignors to E. and B. M. McCaffray, trading as The Baltimore Broom Machine Company, Baltimore, Md. Broom machine. 2,258,936; Oct. 14.

McCann, George C., Danville, Ill. Mechanical distraction method and device. 2,258,857; Oct. 14.

McCormick, Francis H., assignor to General Motors Corporation, Dayton, Ohio. Domestic appliance. 2,259,258; Oct. 14.

McCormick, John A., Overbrook Hills, Pa., assignor to General Steel Castings Corporation, Granite City, Ill. Railway truck. 2,258,656; Oct. 14.

McDowell, Thomas E., Oak Park, assignor to The Pyle-National Company, Chicago, Ill. Electrical connector. 2,259,072; Oct. 14.

McGlaughlin, Louis E., New York, N. Y. Automatic broiler. 2,259,073; Oct. 14.

McKean, Rogers W., Fort Worth, Tex. Physician's examining table. 2,258,782; Oct. 14.

McKim, James B. (See Eagon, L. L., and McKim.)

McLaughlin, F. L., et al. (See Burke, James P., assignor.)

McMiller, Kenneth W., Hancock, Wis. Rake-cleaning attachment. 2,258,710; Oct. 14.

McNally, James G., assignor to Eastman Kodak Company, Rochester, N. Y. Manufacture of laminated glass. 2,258,991; Oct. 14.

McNally, James G. (See Dickey, J. B., and McNally.)

McNeal, Donald L., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake control means. 2,258,783; Oct. 14.

McNeal, Donald L., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake mechanism. 2,258,784; Oct. 14.

McNeil Machine & Engineering Company, The. (See Soderquist, Leslie E., assignor.)

Meadowcroft, Joseph W., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Sheathing. 2,258,858; Oct. 14.

Meek, Stuart G., Larchmont, assignor to Johns-Manville Corporation, New York, N. Y. Building construction. 2,258,955; Oct. 14.

Melaven, Ralph M., Highland, Ind., and R. V. Shankland, assignors to Standard Oil Company, Chicago, Ill. Catalytic hydrocarbon conversion. 2,258,786; Oct. 14.

Melaven, Ralph M., Highland, Ind., and R. V. Shankland, assignors to Standard Oil Company, Chicago, Ill. Catalytic conversion of hydrocarbon oils. 2,258,787; Oct. 14.

Melim, T. Clifford. (See Stehlin, Theodore A., assignor.)

Mell, Le Roy G., Scarsdale, N. Y. Guard. 2,259,388; Oct. 14.

Merco Nordstrom Valve Company. (See Hedene, Edwin E., assignor.)

Merlin Corporation, The. (See Young, M. S., and Lewthwaite, assignors.)

Mer-Q-Ree Incorporated. (See Gardner, Paul N., assignor.)

Merrill, James A., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Golf ball. 2,259,348; Oct. 14.

Merrill, James A., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Composition for covering golf balls. 2,259,349; Oct. 14.

Merrill, James A., Barberton, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Latex and shellac coating. 2,259,350; Oct. 14.

Merrill, Leslie M., et al., as trustees. (See Lysholm, A., and Boestad.)

Merriman, William E., and B. Burnham, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic printing apparatus. 2,258,994; Oct. 14.

Merten, Otto, Dessau, Anhalt, assignor to Junkers & Co. G. m. b. H., Dessau, Germany. Gas valve for liquid heaters. 2,258,590; Oct. 14.

Metzerott, Oliver, Hyattsville, Md. Latch for the doors of safety deposit structures. 2,259,389; Oct. 14.

Mewes, Rudolf. (See Heylandt, C. W. P., and Mewes.)

Meyer, Engelbert A., and B. Cotter, assignors to General Motors Corporation, Detroit, Mich. Reveal molding clip. 2,258,788; Oct. 14.

Meyer, William H., St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Railway motor truck. 2,258,657; Oct. 14.

Miller, Alexander, Providence, assignor to Royal Electric Company, Incorporated, Pawtucket, R. I. Strain relief for electric cord connectors. 2,258,712; Oct. 14.

Miller, Frank, East Orange, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Drilling mechanism. 2,258,995; Oct. 14.

Miller, Howard W., Wausau, Wis. Self-sealing ball joint. 2,259,171; Oct. 14.

Miller, James B., Webster Groves, and P. J. Bach, Brentwood, assignors to Mines Equipment Company, St. Louis, Mo. Electrical connector. 2,259,261; Oct. 14.

Miller, William J., Swissvale, Pa. Apparatus for making pottery ware. 2,258,658; Oct. 14.

Miner, W. H., Inc. (See Olander, Roland J., assignor.)

Mines Equipment Company. (See Miller, J. B., and Bach, assignors.)

Mining Process and Patent Company. (See Daman, Arthur C., assignor.)

Minneapolis-Honeywell Regulator Company. (See Harris, John L., assignor.)

Mitelman, Leon V., Chicago, Ill. Machine for analyzing curves or graphs. 2,258,859; Oct. 14.

Misuraca, Inc. (See Misuraca, William N., assignor.)

Misuraca, William N., Merrick, N. Y., assignor to Misuraca, Inc., Branchville, N. J. Steel plate for lithographic printing. 2,258,956; Oct. 14.

Mitchell, George A., Pasadena, Calif. Variable focus system for optical instruments. 2,258,903; Oct. 14.

Modave, André, Etterbeek-Brussels, Belgium. Apparatus for drying materials. 2,259,210; Oct. 14.

Modern Steel Equipment Company. (See Wogulis, Stanley G., assignor.)

Moehrl, Kenneth E., assignor to Layne & Bowler, Incorporated, Memphis, Tenn. Means for well cleaning. 2,259,262; Oct. 14.

Moffett, Eugene W. (See Winkelmann, H. A., and Moffett.)

Mojonnier Bros. Co. (See Mojonnier, Harry G., assignor.)

Mojonnier, Harry G., Oak Park, Ill., assignor to Mojonnier Bros. Co. Apparatus for treating liquids. 2,259,263; Oct. 14.

Monckmeier, Gustav C., Davenport, Iowa. Clothes drier. 2,259,390; Oct. 14.

Monnet, Georges, New York, N. Y. Blade preserving means. 2,258,620; Oct. 14.

Monnet, Georges, New York, N. Y. Razor blade package. 2,258,621; Oct. 14.

Monsanto Chemical Company. (See Parkhurst, Frederic A., assignor.)
Morgan, John G. Y. D., Chelsea, London, England. Photographic film album. 2,259,211; Oct. 14.
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Lid knob. 2,259,077; Oct. 14.
Morgan, John S., Jr., Manhattan Beach, Calif., assignor to The National Supply Company, Pittsburgh, Pa. Drawworks. 2,258,785; Oct. 14.
Morgan, Thomas H., Kittanning, assignor to S. S. Bruce, and H. C. Oliver, Pittsburgh, and T. H. Morgan, Kittanning, Pa., trustees. Method of and apparatus for separation of materials. 2,258,789; Oct. 14.
Morgan, T. Hubbard, as trustee. (See Morgan, Thomas H., assignor.)
Morrill, Wayne J. (See Fleischer, F. H., and Morrill.)
Morrison, Willard L., Lake Forest, Ill. Automobile ventilating device or window. 2,258,996; Oct. 14.
Mortell, J. W., Company. (See Scheurer, Oliver R., assignor.)
Moser, Franz R., and A. J. Dijksman, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Lubricating oil composition. 2,258,591; Oct. 14.
Mosler, Arthur R., Jr., Cumberland, Md., assignor to Celanese Corporation of America. Method and device for coating sheet material. 2,258,659; Oct. 14.
Motor Wheel Corporation. (See Horn, H. J., and Frederick, assignors.)
Mouromtseff, Ilia E., Montclair, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Ultra high frequency for therapeutic purposes. 2,259,318; Oct. 14.
Moyer, Henry L., Richmond, Va. Automobile initial holder. 2,259,042; Oct. 14.
Müller, Wolf J., and M. Niessner, Vienna, Germany, assignors to Aktiengesellschaft Dynamit Nobel, Pressburg, Slovakia. Copper-zinc alloy. 2,259,078; Oct. 14.
Mullins Manufacturing Corporation. (See Duke, William O., assignor.)
Murdock, Frederick D., Pawtucket, R. I. Textile cutting machine. 2,259,172; Oct. 14.
Murphy, Harry S., assignor to Coreco, Inc., Buffalo, N. Y. Air tempering device. 2,258,790; Oct. 14.
Murphy, Howard J., Greenwood, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Nut member. 2,259,425; Oct. 14.
Murphy, John D., Chicago, Ill. Animal trap. 2,258,904; Oct. 14.
Muttray, Justus. (See Wagner, H., Muttray, and Wagensell.)
Myers, Henry C. (See Cox, J. H., and Myers.)
N. V. Philips' Gloeilampenfabrieken. (See de Gier, J., Kruithof, and Penning, assignors.)
Nadeau, Gale F., assignor to Eastman Kodak Company, Rochester, N. Y. Manufacture of photographic film. 2,258,997; Oct. 14.
Napier, D., & Son Limited. (See Ramsay, Frank R. F., assignor.)
Nashua Gummed and Coated Paper Company. (See Polley, Robert W., assignor.)
National Aniline and Chemical Company. (See Crowell, Joyce H., assignor.)
National Cash Register Co., The. (See Breitling, Ernst, assignor.)
National Fitch Corporation. (See Norbom, Ragnar, A., assignor.)
National Oil Products Company. (See Buxton, Loran O., assignor.)
National Oil Products Company. (See Buxton, L. O., and Colman, assignors.)
National Park-O-Graf Corporation. (See Rockola, David C., assignor.)
National Supply Company, The. (See Clark, Harry H., assignor.)
National Supply Company, The. (See Hodge, Arthur J., assignor.)
National Supply Company, The. (See Morgan, John S., Jr., assignor.)
National Supply Company, The. (See Spalding, John D., assignor.)
National Supply Company, The. (See Young, Forrest J., assignor.)
National Supply Company, The. (See Zerbe, Lewis E., assignor.)
National Supply Company, The. (See Zerbe, L. E., and Young, assignors.)
National Tool Company, The. (See Erhardt, Anton, assignor.)
National Tube Company. (See Ely, P. C., and Hopkins, assignors.)
Neal, Jay D., Oklahoma City, Okla. Automobile sun shade. 2,259,173; Oct. 14.
Neal, Morris P., Villa Park, and W. J. Champion, La Grange, assignors to Ditto, Incorporated, Chicago, Ill. Duplicating apparatus. 2,259,174; Oct. 14.
Nebel, Martin, Philadelphia, Pa. Musical instrument bow. 2,258,998; Oct. 14.
Nelson, Herbert, Bloomfield, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Image transmitting tube. 2,258,791; Oct. 14.
Neocell Products Corporation. (See Boecler, A., and Bratring, assignors.)
Nevins-Church Press, The. (See Davis, Albert G., assignor.)
New Delphos Manufacturing Company, The. (See Werner, Elmer C., assignor.)
New Haven Clock Company. (See Whitehead, Richard H., assignor.)
New, Winston R., Springfield, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Turbine blading. 2,258,792; Oct. 14.
New, Winston R., Springfield, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Elastic-fluid turbine. 2,258,793; Oct. 14.
New, Winston R., Springfield, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Elastic-fluid turbine. 2,258,795; Oct. 14.
New York Air Brake Company, The. (See Campbell, Charles A., assignor.)
Newsom, James B. (See Davis, R. C., Newsom, and Strickler.)
Nielsen, Lettie, Hyde Park, Utah. Shoulder pad. 2,258,937; Oct. 14.
Niessner, Moritz. (See Müller, W. J., and Niessner.)
Noack, Karl, Berlin-Friedenau, assignor to Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung, Berlin, Germany. Contact bank for automatic switches in telephone systems. 2,258,860; Oct. 14.
Norbom, Ragnar A., assignor to National Fitch Corporation, New York, N. Y. Demountable tank body. 2,259,319; Oct. 14.
Novick, Abraham and D., Flushing, assignors to F. L. Smithe Machine Co., Inc., New York, N. Y. Die press. 2,259,320; Oct. 14.
Novick, Daniel. (See Novick, Abraham and D.)
Nunn, Edward S., Los Angeles, Calif. Golf player's glove. 2,258,999; Oct. 14.
Nyquist, Harry, Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission of frequency modulated waves. 2,259,000; Oct. 14.
Oberholser, Edward H., and W. Ward, Troy, and T. Bramfitt, Watervliet, assignors to Cluett, Peabody & Co., Inc., Troy, N. Y. Trimming machine. 2,259,351; Oct. 14.
Oesinhause, Werner, Berlin-Treptow, Germany, assignor to General Electric Company. Recording apparatus. 2,259,139; Oct. 14.
Oil devices. (See Hayter, Bruce, assignor.)
O'Kelly, David B., Bishopville, S. C. Vehicle direction signaling apparatus. 2,258,796; Oct. 14.
Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Sliding door construction. 2,258,713; Oct. 14.
Oliver, H. C., as trustee. (See Morgan, Thomas H., assignor.)
Olney, Nathaniel M., Jersey City, N. J. Vise. 2,258,686; Oct. 14.
Orenbach, Samuel, Brooklyn, N. Y. Lingerie slide buckle and loop and producing the same. 2,258,957; Oct. 14.
Oslund, Charles H., Worcester, Mass. Picker mechanism. 2,259,212; Oct. 14.
Osterhof, Harold J., Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Making rubber hydrochloride films. 2,259,352; Oct. 14.
Outboard, Marine and Manufacturing Company. (See Conover, Warren C., assignor.)
Overbeke, John, Cleveland Heights, Ohio. Parachute. 2,258,797; Oct. 14.
Oyler, Charles E. (See McCaffray, E., and Oyler.)
Pahl, Arno, Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Lighting device. 2,259,321; Oct. 14.
Park, Arthur D., and M. G. Brown, assignors to Armstrong Cork Company, Lancaster, Pa. Clip applying device. 2,258,861; Oct. 14.
Parkhurst, Frederic A., Suffield, Conn., assignor to Monsanto Chemical Company, St. Louis, Mo. Shoe bottom. 2,259,322; Oct. 14.
Parsons, John B., Toledo, Ohio. Window regulating means. 2,259,264; Oct. 14.
Patrick, Audie R., Kansas City, Mo. Vehicle brake lock. 2,258,798; Oct. 14.
Patzer, William. (See Tratsch, W. A., and Patzer.)
Patzer, William, and W. A. Tratsch, Chicago, Ill. Latch control. 2,258,917; Oct. 14.
Paul, Philip T., Naugatuck, Conn., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Treatment of rubber. 2,259,175; Oct. 14.
Payne, Oscar V., Leicester, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pneumatic thread control system for looms. 2,259,043; Oct. 14.
Payne, Walter B., assignor to The Todd Company, Inc., Rochester, N. Y. Sheet aligning and feeding apparatus. 2,258,799; Oct. 14.
Payne, Oscar V., Leicester, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread placer for cutting mechanism. 2,259,044; Oct. 14.
Pearce, George C., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,259,265; Oct. 14.

Pearlman, Jack, East Hempstead, Long Island, and H. Kittilsen, Springfield Gardens, N. Y. Apparatus for straightening filled cans. 2,258,800; Oct. 14.
Pearlman, Jack, East Hempstead, Long Island, and H. Kittilsen, Springfield Gardens, N. Y. Device for straightening filled cans. 2,258,801; Oct. 14.
Pearlman, Jack, East Hempstead, Long Island, and H. Kittilsen, Springfield Gardens, N. Y. Straightening and testing filled cans. 2,258,802; Oct. 14.
Pearson, Gerald L., Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Conductive device. 2,258,958; Oct. 14.
Peckham, Josiah F., assignor of one-half to H. A. Latham, Providence, R. I. Rip-strip can opener. 2,258,622; Oct. 14.
Peiker, Alfred L. (See Kienle, R. H., and Peiker.)
Pelea, Julius S., New York, N. Y. Birdproofing. 2,258,803; Oct. 14.
Penning, Frans M. (See de Gier, J., Kruithom, and Penning.)
Peroni, John H., Freeport, N. Y. Decorative artificial tree. 2,259,227; Oct. 14.
Peterman, William C., Brooklyn, assignor to All America Cables, Incorporated, New York, N. Y. Photoelectric vacuum tube amplifier. 2,259,323; Oct. 14.
Petersen, Hugo, Berlin-Steglitz, Germany. Manufacture of sulphuric acid. 2,258,938; Oct. 14.
Peterson, Ernest D., Jennings, Kans. Attachment for automobile jacks. 2,258,905; Oct. 14.
Peterson, Seth E., Chicago, and M. E. Griffins, Riverside, assignors to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,258,660; Oct. 14.
Peterson, Thomas F., Worcester, Mass. Concentric cable. 2,258,687; Oct. 14.
Pfleumer, Hans, New Brunswick, N. J., assignor to Rubatex Products, Inc., New York, N. Y. Pressure chamber. 2,258,804; Oct. 14.
Pfost, Lester S., Racine, assignor to The Massey-Harris Company, Racine, Wis. Governor gearshift control device. 2,259,114; Oct. 14.
Phillips, Fred C., Stoughton, Mass. Calk for athletic shoes and the like. 2,258,805; Oct. 14.
Phillips, Montague A. (See Ewins, A. J., and Phillips.)
Phillips Petroleum Company. (See Frey, F. E., and Fitch, assignors.)
Phoenix Glass Company. (See Claspy, Hugh J., assignor.)
Picker X-Ray Corporation Waite Manufacturing Division, Inc. (See Goldfield, E. R., and Graves, assignors.)
Picker X-Ray Corporation Waite Manufacturing Division, Inc. (See Graves, Edward B., assignor.)
Pier, Mathias, Heidelberg, and F. Christmann, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to W. E. Currie, New York, N. Y. Production of lubricants. 2,258,806; Oct. 14.
Pietre, Robert E., administrator. (See Bernamont, Jean.)
Pinell, Walter. (See Kuchley, J., and Pinell.)
Pinguet, Marguerite C. E., administrator. (See Bernamont, Jean.)
Pitkin, Roy S. Jr., Minneapolis, Minn. Communication system. 2,258,807; Oct. 14.
Pitman, Henry L., Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Combined typewriting and computing machine. 2,258,714; Oct. 14.
Pitman, Henry L., Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,258,715; Oct. 14.
Pitney, Earl H., Willmar, Minn. Internal combustion engine. 2,259,176; Oct. 14.
Place, Willard P. (See Agnew, N. F., and Place.)
Poche, John M., Gulfport, Miss., assignor of one-half to L. Vaccaro, New Orleans, La. Armed tank construction. 2,258,939; Oct. 14.
Pollak Manufacturing Company. (See Markey, Roscoe I., assignor.)
Polley, Robert W., assignor to Nashua Gummed and Coated Paper Company, Nashua, N. H. Production of articles with viscous coatings. 2,258,808; Oct. 14.
Polymerization Process Corporation, The. (See Eaton, Gerald L., assignor.)
Pool, William, Spondon, near Derby, England, assignor to Celanese Corporation of America. Production of staple fiber yarns and like products. 2,258,661; Oct. 14.
Porsche, F., Dr. ing. h. c., K.-G. (See Rabe, Karl, assignor.)
Potter, Thomas I., assignor to Refrigeration Patents Corporation, Buffalo, N. Y. Refrigerator. 2,258,959; Oct. 14.
Powell, Clarence J., Charleston, W. Va. Necktie presser. 2,259,045; Oct. 14.
Powers, Frank T., Glen Cove, N. Y. Cooler. 2,258,906; Oct. 14.
Prat-Daniel Corporation. (See Saathoff, George W., assignor.)
Price, Earl R., assignor to Bendix Products Corporation, South Bend, Ind. Brake. 2,258,907; Oct. 14.
Price, Harold W., assignor to Bendix Aviation Corporation, South Bend, Ind. Transmission control. 2,258,908; Oct. 14.
Pringle, William A., deceased, by H. Durk, executor, Niagara Falls, N. Y., and C. J. Manuel, Dover, N. H., assignors to American Sales Book Company, Inc., Niagara Falls, N. Y. Autographic register structure. 2,259,391; Oct. 14.
Process Management Company. (See Atwell, Harold V., assignor.)
Proctor & Schwartz, Incorporated. (See Wanamaker, Harry F., assignor.)
Pusinelli, Eric. (See Serr, William F., assignor.)
Pyle-National Company, The. (See McDowell, Thomas E., assignor.)
Pyle-National Company, The. (See Sipp, E. A., and Raider, assignors.)
Quarnstrom, Bert L., et al. (See Burke, James P., assignor.)
Rabe, Karl, Stuttgart, assignor to Dr. ing h. c. F. Porsche K.-G., Stuttgart-Zuffenhausen, Germany. Brake. 2,259,266; Oct. 14.
Rabezzana, Hector, Flint, assignor to General Motors Corporation, Detroit, Mich. Thermocouple. 2,258,809; Oct. 14.
Rabezzana, Hector, and A. J. Battey, Flint, assignors to General Motors Corporation, Detroit, Mich. Shielded aircraft spark plug. 2,258,810; Oct. 14.
Radio Corporation of America. (See Bedford, Alda V., assignor.)
Radio Corporation of America. (See Bokovoy, Samuel A., assignor.)
Radio Corporation of America. (See Carlson, Wendell L., assignor.)
Radio Corporation of America. (See Conklin, James W., assignor.)
Radio Corporation of America. (See Fewings, D. J., and Kemp, assignors.)
Radio Corporation of America. (See Finch, James L., assignor.)
Radio Corporation of America. (See Heacock, Ralph H., assignor.)
Radio Corporation of America. (See Hickok, Willard, assignor.)
Radio Corporation of America. (See Lundie, Ernest S., assignor.)
Radio Corporation of America. (See Matsigner, Harry L., assignor.)
Radio Corporation of America. (See Nelson, Herbert, assignor.)
Radio Corporation of America. (See Reid, John D., assignor.)
Radio Corporation of America. (See Roberts, Walter van B., assignor.)
Radio Corporation of America. (See Sachtleben, Lawrence T., assignor.)
Raduns, Solomon, assignor to Greenpoint Metallic Bed Company, Inc., Brooklyn, N. Y. Bed structure. 2,258,623; Oct. 14.
Ralder, George K. (See Sipp, E. A., and Raider.)
Raiziss, George W., L. W. Clemence, and A. I. Kremens, Philadelphia, Pa., assignors to Abbott Laboratories, North Chicago, Ill. Substituted meta-n glyeinyl parahydroxy arseno benzenes. 2,258,862; Oct. 14.
Ralph, Reginald, East York, Ontario, and H. S. Hall, Toronto, Ontario, Canada. Confectionery display package. 2,258,716; Oct. 14.
Ramsay, Frank R. F., assignor to D. Napier & Son Limited, London, England. Ignition apparatus for internal combustion engines. 2,259,213; Oct. 14.
Ranken, James O., Portland, Ore. Outdoor sleeping bag. 2,259,267; Oct. 14.
Rankin, William K., Lansdowne, Pa., assignor to General Electric Company. High speed camera. 2,259,228; Oct. 14.
Ransomes & Rapier Limited. (See Cameron, C. M. and Heath, assignors.)
Rare Chemicals, Inc. (See Hatzig, Hans, assignor.)
Ray, Philip A., assignor to Hercules Powder Company, Wilmington, Del. Crustation-inhibited viscose spinning solution. 2,259,426; Oct. 14.
Ray, William A., Glendale, Calif. Electromagnetically controlled operator. 2,258,811; Oct. 14.
Raybestos-Manhattan, Inc. (See Kuzmick, Joseph N., assignor.)
Raybestos-Manhattan, Inc. (See Kuzmick, Joseph N. and P. L., assignors.)
Rayden, Raymond G., Rugby, England, assignor to General Electric Company. Control system. 2,259,115; Oct. 14.
Raytheon Production Corporation. (See Gorn, Elmer J., assignor.)
Read, Everett C., assignor to The Filer & Stowell Co., Milwaukee, Wis. Governor. 2,258,688; Oct. 14.
Read, Philip C., Shorewood, assignor to Dostal & Lowey Co., Inc., Menomonee Falls, Wis. Bottle carrier for bottle washing machines. 2,258,717; Oct. 14.
Redd, Samuel J., et al. (See Thompson, Herbert B., assignor.)
Reed Roller Bit Company. (See Fortune, James C., assignor.)
Reed Roller Bit Company. (See Janco, Nathan, assignor.)
Reens, Max A., Amsterdam, Netherlands. Joint for articles of furniture. 2,258,909; Oct. 14.
Refrigeration Patents Corporation. (See Potter, Thomas I., assignor.)
Reid, John D., Philadelphia, Pa., assignor to Radio Corporation of America. Image rejector circuit. 2,259,003; Oct. 14.
Reifenberg, Joseph H. (See Barnsteiner, A., and Reifenberg.)
Reimann, Ernst. (See Roosenstein, H. O., and Reimann.)

Reinad Novelty Co. (See Better, Adolph, assignor.)
Reiners, Walter. (See Reiners, Wilhelm and W., and Kahlisch.)
Reiners, Wilhelm and W., and G. Kahlisch, assignors to W. Schlafhorst & Co., Gladbach-Rheydt, Germany. Creel mechanism of warping frames. 2,259,079; Oct. 14.
Reinhart, Harold C. (See Brumbaugh, I. V., Kauffman, and Reinhart.)
Research Corporation. (See Roberts, Lawrence M., assignor.)
Reynolds, Earle W., assignor of one-half to J. A. Rickert, Grand Rapids, Mich. Anesthetizing. 2,258,863; Oct. 14.
Richter, Elmer F., Cleveland Heights, assignor to Addressograph-Multigraph Corporation. Address plate. 2,258,624; Oct. 14.
Rickert, James A. (See Reynolds, Earle W., assignor.)
Rieger, Charles, San Francisco, Calif. Theater chair. 2,258,864; Oct. 14.
Ring, Ernest A., Providence, assignor of one-half to F. M. Blakeney, East Providence, R. I. Nose pad or guard for eyeglasses, spectacles, and the like. 2,259,080; Oct. 14.
Ring, Ernest A., Providence, assignor of one-half to F. M. Blakeney, East Providence, R. I. Nose pad or guard for eyeglasses, spectacles, and the like. 2,259,081; Oct. 14.
Ring, Ernest A., Providence, assignor of one-half to F. M. Blakeney, East Providence, R. I. Coated temple bow. 2,259,082; Oct. 14.
Ritter Products Corporation. (See Johnson, Herbert B., assignor.)
Ritzerfeld, Wilhelm, Berlin-Tempelhof, Germany. Form receptacle for duplicating machines. 2,259,116; Oct. 14.
Roberts, Lawrence M., Bridgewater Township, Somerset County, N. J., assignor to Research Corporation, New York, N. Y. Treatment of sewage by electrodialysis. 2,259,046; Oct. 14.
Roberts, Walter V. B., Princeton, N. J., assignor to Radio Corporation of America. Phase modulation. 2,259,392; Oct. 14.
Robinson, Thomas L., Grosse Pointe, Mich. Manufacturing roller bearings. 2,259,324; Oct. 14.
Robinson, Thomas L., Grosse Pointe, Mich. Roller bearing. 2,259,325; Oct. 14.
Robison, George M., Highland Park, Calif. Drum. 2,259,268; Oct. 14.
Rockola, David C., assignor to National Park-O-Graf Corporation, Chicago, Ill. Parking meter. 2,259,177; Oct. 14.
Roessner, Bertha M., as trustee. (See Roessner, William L., assignor.)
Roessner, William L., La Grange, Ill., assignor to B. M. Roessner, trustee, also known as B. L. MacGregor. Thermoresponsive restraining device. 2,258,865; Oct. 14.
Roethel, John H., assignor to Marvel Equipment Corporation, Detroit, Mich. Window regulator. 2,259,083; Oct. 14.
Roosenstein, Hans O., and E. Reimann, assignors to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Television cabinet switch. 2,259,393; Oct. 14.
Roselyn, Leo, San Francisco, Calif. Merchandise display table. 2,258,689; Oct. 14.
Rosenhaft, Walter, Rome, Italy. Hand camera for the production therewith of small-sized photographs in series. 2,259,084; Oct. 14.
Rosenthal, August. (See Rosenthal, Henry L., and A.)
Rosenthal, Henry L. and A., Wauwatosa, assignors to Rosenthal Manufacturing Co., West Allis, Wis. Bag attachment for corn huskers. 2,259,140; Oct. 14.
Rosenthal Manufacturing Co. (See Rosenthal, Henry L. and A., assignors.)
Rosenzweig, Siegfried, Long Island City, N. Y. Vibration isolation base for motorized fans and the like. 2,259,214; Oct. 14.
Ross, Arthur, assignor to General Motors Corporation, Detroit, Mich. Rear fender. 2,258,812; Oct. 14.
Rothrock, Henry S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Esters of ortho inorganic acids of titanium, tin, and aluminum with alpha beta unsaturated primary alcohols. 2,258,718; Oct. 14.
Roy, Vernon R. (See Blazek, J. Y., Roy, and Sears.)
Royal Electric Company. (See Miller, Alexander, assignor.)
Royal Typewriter Company. (See Kittel, John J., assignor.)
Rubatex Products, Inc. (See Pfleumer, Hans, assignor.)
Rubinstein, Harry W., assignor to Globe-Union, Inc., Milwaukee, Wis. Push button control device for radio receivers. 2,258,690; Oct. 14.
Rubissow, George A., New York, N. Y. Flexible accelerator device. 2,258,625; Oct. 14.
Rugge, Raymond A. (See Wells, W. L., and Rugge.)
Russell, John J., Schenectady, N. Y., assignor to General Electric Company. Synthetic rubberlike resinous compositions. 2,259,141; Oct. 14.
Rust, John B., Verona, N. J., assignor to Ellis-Foster Company. Urea-phenolic baking lacquer and making same. 2,259,085; Oct. 14.
Ruth, John L., York, Pa. Universal nut. 2,259,260; Oct. 14.
Ryan, Lonnie W., Westfield, N. J., and W. J. Cauwenberg, Piney River, Va., assignors to Interchemical Corporation, New York, N. Y. Making composite titanium pigments. 2,259,178; Oct. 14.
Ryder, James, assignor of one-half to L. B. Davis, and R. H. Galbreath, Denver, Colo. Solution for electrolytic deposition of tarnish-resisting silver alloys. 2,259,270; Oct. 14.
Rymal, Hazen L., Refugio, Tex. Pipe rack. 2,258,960; Oct. 14.
S. & S. Corrugated Paper Machinery Co. (See Shields, Albert F., assignor.)
Saathoff, George W., South Orange, N. J. Operating vapor generators. 2,258,719; Oct. 14.
Saathoff, George W., South Orange, N. J., assignor to Prat-Daniel Corporation, Port Chester, N. Y. Ejector draft control. 2,258,961; Oct. 14.
Sachtleben Aktiengesellschaft. (See Eulenstein, F., and Krus, assignors.)
Sachtleben, Lawrence T., Camden, N. J., assignor to Radio Corporation of America. Bottle inspecting device. 2,259,394; Oct. 14.
Sachtleben, Lawrence T., Camden, N. J., assignor to Radio Corporation of America. Lens coating. 2,259,395; Oct. 14.
Safetee Torpedo Corporation. (See Sherman, Louie A., assignor.)
Saigman, Edward S., Waverly, Mo. Tourniquet. 2,258,720; Oct. 14.
Sallmann, Richard, Bottmingen, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Condensation products of cyclic amidines. 2,258,721; Oct. 14.
Salsbury Corporation. (See Lewis, Howard B., assignor.)
Sanford, Roy S., assignor to The Autoyre Company, Incorporated, Oakville, Conn. Dispensing container. 2,258,866; Oct. 14.
Satrom, Philip W. R., Galesburg, N. Dak. Packer rim attachment for seeder disks. 2,258,626; Oct. 14.
Sauer, Henry J., assignor to The Kilborn-Sauer Company, Fairfield, Conn. Rear-vision mirror bracket. 2,259,179; Oct. 14.
Saunders, Eldon J., Mount Clemens, Mich. Moving picture projector. 2,258,722; Oct. 14.
Savage Arms Corporation. (See Smith, Wilfred I., assignor.)
Schade, Willy, assignor to Eastman Kodak Company, Rochester, N. Y. Photographic objective. 2,259,004; Oct. 14.
Schaldach, Alfred W., Chaseburg, Wis. Device for holding and cutting sheet material. 2,259,117; Oct. 14.
Scherer, Karl, assignor to "Fides" Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten m. b. H., Berlin, Germany. Regenerative oscillator. 2,258,962; Oct. 14.
Scheurer, Oliver R., Kankakee, Ill., assignor to J. W. Mortell Company. Spray gun. 2,259,215; Oct. 14.
Schlafhorst, W., & Co. (See Reiners, Wilhelm and W., and Kahlisch, assignors.)
Schlecht, Helmut and L., Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to W. H. Duisberg, New York, N. Y. Recovering niobium oxide from its ores. 2,259,396; Oct. 14.
Schlecht, Leo. (See Schlecht, Helmut and L.)
Schlemmer, Phil G., Nanuet, N. Y., assignor to American Machine & Foundry Company. Slicer for bread loaves. 2,259,427; Oct. 14.
Schlesser, Charles C. (See Story, D. D., and Schlesser, Charles C. and E. E.)
Schlesser, Edward E. (See Story, D. D., and Schlesser, Charles C. and E. E.)
Schlumberger Well Surveying Corporation. (See Doll, Henri G., assignor.)
Schmid, Joseph, assignor to The Western Union Telegraph Company, New York, N. Y. Switchboard plug and jack structure. 2,259,086; Oct. 14.
Schmid, William, assignor to H. A. Douglas Mfg. Co., Bronson, Mich. Electric switch. 2,259,326; Oct. 14.
Schmidt, Otto W. (See Carswell, F. L., and Schmidt.)
Schmitt, Friedrich, Chemnitz, Germany, assignor to American Hyalsol Corporation, Wilmington, Del. Treatment of hides and skins. 2,259,087; Oct. 14.
Schoenfeld, Frank K., and W. L. Semon, Silver Lake, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Continuous polymerization. 2,259,180; Oct. 14.
Schön, Ludwig, Essen-Margarethenhohe, Germany. Exciting direct current generator. 2,258,813; Oct. 14.
Schuck, Carl L., Philadelphia, Pa., assignor to General Electric Company. Fuse device and clip therefor. 2,259,142; Oct. 14.
Schulz, Arthur P. (See Teller, J., and Schulz.)
Schunck, Max. (See Haefner, R., and Schunck.)
Schwarz, Bertram A., J. G. Funk, and H. M. Stelzl, Kokomo, Ind., assignors to General Motors Corporation, Detroit, Mich. Mechanical drive. 2,258,814; Oct. 14.
Schwarz, Bertram A., and L. Fichter, Kokomo, Ind., assignors to General Motors Corporation, Detroit, Mich. Tuning mechanism. 2,258,815; Oct. 14.

Schwarzmann, Wolfgang E., Longmeadow, assignor to American Bosch Corporation, Springfield, Mass. Ignition coil. 2,259,229; Oct. 14.
Scott, Archibald J., Jr., West Warwick, assignor of one-half to F. D. Briggs, East Greenwich, R. I. Automatic fuel cutoff. 2,259,047; Oct. 14.
Scott, Charles H., Westport, Conn., assignor to The Dorr Company, Inc., New York, N. Y. Sedimentation apparatus. 2,259,230; Oct. 14.
Scott, Charles H., Westport, Conn., assignor to The Dorr Company, Inc., New York, N. Y. Classifier. 2,259,231; Oct. 14.
Scott, William M., Jr., Bryn Mawr, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Circuit controlling device. 2,259,005; Oct. 14.
Scott & Williams, Incorporated. (See Grothey, I. W., and Folsom, assignors.)
Scott, Winfield, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Accelerator. 2,259,353; Oct. 14.
Scott, Winfield, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Vulcanization of rubber. 2,259,354; Oct. 14.
Sears, Gilbert E. (See Blazek, J. Y., Roy, and Sears.)
Sears, Roebuck and Co. (See Morgan, John R., assignor.)
Seay, James I., Jr., Memphis, Tenn. Padlock. 2,259,271; Oct. 14.
Sebrell, Lorin B., Silver Lake, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Making rubber hydrochloride films. 2,259,355; Oct. 14.
Secretary of Agriculture of the United States of America. (See Brewer, A. K., and Bramley, assignors.)
Seeger Refrigerator Company. (See Ahrens, Robert S., assignor.)
Seeger Refrigerator Company. (See Swedman, Enoch, assignor.)
Seeman, Robert. (See Wood, R. F., and Seeman.)
Semon, Waldo L. (See Schoenfeld, F. K., and Semon.)
Serr, William F., assignor to E. Pusinelli, New York, N. Y. Ski runner. 2,259,327; Oct. 14.
Shankland, Rodney V. (See Melaven, R. M., and Shankland.)
Sharp, Thomas E. (See Adams, E. W., and Sharp.)
Shaw, Victor S. (See Tucker, W. R., and Shaw.)
Shaw-Walker Company, The. (See Walker, Louis C., assignor.)
Shaw, Victor S., and W. Ernst, Mount Gilead, Ohio, assignors to The Hydraulic Press Corporation, Inc., Wilmington, Del. Plastic extrusion press. 2,259,181; Oct. 14.
Sheehan, William M., Philadelphia, Pa., and J. C. Travilla, Jr., University City, Mo., assignors to General Steel Castings Corporation, Granite City, Ill. Railway truck. 2,259,088; Oct. 14.
Shell Development Company. (See Moser, F. R., and Dijksman, assignors.)
Shell Development Company. (See van den Berge, J., and Dijkstra, assignors.)
Shelley, Paul G., assignor to The Dow Chemical Company, Midland, Mich. Treatment of wells. 2,259,428; Oct. 14.
Sherlock, Ralph H., Berwyn, Ill. Smoking pipe. 2,258,867; Oct. 14.
Sherman, Louie A., Florissant, assignor to Safetee Torpedo Corporation, St. Louis, Mo. Fusee and making same. 2,258,868; Oct. 14.
Shields, Albert F., Jamaica, assignor to S. & S. Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y. Cyclical knife adjustment. 2,258,816; Oct. 14.
Sholkin, Murray E., Newtonville, Mass., and S. L. Glickman, New York, N. Y. Signboard. 2,259,272; Oct. 14.
Shoup, Ransom F., Ardmore, assignor to The Shoup Voting Machine Corporation, Philadelphia, Pa. Voting machine. 2,258,817; Oct. 14.
Shoup Voting Machine Corporation, The. (See Shoup, Ransom F., assignor.)
Shroyer, Jacob L., Oak Park, assignor to Edison General Electric Appliance Company, Chicago, Ill. Electric heater. 2,259,143; Oct. 14.
Siegler, Harry P. (See Marx, J., and Siegler.)
Siesennop, John L., Merrill, Wis. Accelerator and brake control. 2,258,627; Oct. 14.
Simmons, Arthur B., assignor to Eastman Kodak Company, Rochester, N. Y. Lens holder. 2,259,006; Oct. 14.
Simmons, Drury M., Shreveport, La., assignor to The Dow Chemical Company, Midland, Mich. Treating wells. 2,259,429; Oct. 14.
Simnett Clarence, Astoria, Long Island, N. Y., assignor to Rinaldo Solari. Composition of matter and production thereof. 2,258,910; Oct. 14.
Singer, Henry. (See Sturgiss, J. T., and Singer.)
Sinninger, Dwight V., assignor to Johnson Laboratories, Inc., Chicago, Ill. Radio stage foundation. 2,259,328; Oct. 14.
Sipp, Edward A., Oak Park, and G. K. Raider, assignors to The Pyle-National Company, Chicago, Ill. Lighting and ventilating panel. 2,259,089; Oct. 14.
Sitte, Fritz, Ratibor, Germany, assignor to Chemical Marketing Company Inc. Apparatus for producing activated carbon. 2,258,818; Oct. 14.
Skoko, Stan, Clackamas County, Oreg. Stovepipe. 2,258,911; Oct. 14.
Slack, Arthur K. (See Aiello, Venry, Sr., assignor.)
Sleplan, Joseph, Pittsburgh, and J. H. Cox, Forest Hills, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Protective system for vapor electric devices. 2,259,329; Oct. 14.
Small, Hervey W., Small, Idaho. Wrench. 2,259,216; Oct. 14.
Smidth, F. L., & Co. (See Treshow, Michael, assignor.)
Smiley, Pearl Y., Kitchener, Ontario, Canada, assignor to The B. F. Goodrich Company, New York, N. Y. Overshoe. 2,259,182; Oct. 14.
Smith, Allan K., assignor to The Institute of Paper Chemistry, Appleton, Wis. Cellulose product. 2,258,628; Oct. 14.
Smith, Benjamin A., Rocky River, assignor to The C. O. Bartlett & Snow Company, Cleveland, Ohio. Preparing sodium phosphate. 2,258,629; Oct. 14.
Smith, Claude H., Talimadge, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Making mercaptobenzothiazoles. 2,259,356; Oct. 14.
Smith, Edward W., Melrose, assignor to Submarine Signal Company, Boston, Mass. Apparatus for treating liquids. 2,258,630; Oct. 14.
Smith, Iredell M., Richmond Heights, Mo., assignor to Foot-Sadl, Inc. Sandal. 2,259,273; Oct. 14.
Smith, Michael C. (See Erisman, A. C., and Smith.)
Smith, Walter G. L. (See Graham, Adelbert M., assignor.)
Smith, Wilfred I., Chicopee Falls, Mass., assignor to Savage Arms Corporation, New York, N. Y. Firing-pin selector device for firearms. 2,259,397; Oct. 14.
Smithe, F. L., Machine Co. (See Novick, Abraham and D., assignors.)
Smithjohns, Inc. (See Johns, George M., assignor.)
Smolensky, Michael, Cleveland, Ohio. Valve mechanism. 2,258,723; Oct. 14.
Snavely, Clarence S., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 2,259,183; Oct. 14.
Snow, William B., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound transmission system. 2,258,662; Oct. 14.
Snyder, Frederick D., East Milton, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Split-phase motor control. 2,259,330; Oct. 14.
Snyder, James E. (See Brown, George M., and Snyder.)
Society of Chemical Industry in Basle. (See Sallmann, Richard, assignor.)
Soderquist, Leslie E., assignor to The McNeil Machine & Engineering Company, Akron, Ohio. Vulcanizing press. 2,259,430; Oct. 14.
Sohn, Edward O., Zumbrota, Minn. Carrier. 2,258,819; Oct. 14.
Solari, Rinaldo. (See Simnett, Clarence, assignor.)
Solvay Process Company, The. (See Klingelhoefer, William C., assignor.)
Somerville, Gareth G., Pittsfield, Mass., and J. T. Catlett, Scotia, N. Y., assignors to General Electric Company. Welding apparatus. 2,259,118; Oct. 14.
Sooy, Walter E. (See Fisher, H. C., and Sooy.)
Sorensen, Andrew J., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake control means. 2,258,820; Oct. 14.
Sowden, Alfred, Arkansas City, Kans. Packing machine for containers and the like. 2,258,631; Oct. 14.
Spalding, A. G., & Bros. Inc. (See Brown, William T., assignor.)
Spalding, John D., Los Angeles, Calif., assignor to The National Supply Company, Pittsburgh, Pa. Rotary machine. 2,259,431; Oct. 14.
Specialties Development Corporation. (See Towart, Archie, Jr., assignor.)
Sperry Products, Inc. (See Drake, Harcourt C., assignor.)
Spohn, Glenn A., Mount Healthy, Ohio. Motor control system. 2,259,357; Oct. 14.
Spokes, Ray E. (See Dewey, W. R., and Spokes.)
Stahlwerk Mark Wengern A. G. (See Herzbruch, August, assignor.)
Standard Oil Company. (See Adams, E. W., and Sharp, assignors.)
Standard Oil Company. (See Melaven, R. M., and Shankland, assignors.)
Standard Oil Company. (See Steininger, H. M., and Diwoky, assignors.)
Standard Oil Company. (See Thiele, Ernest W., assignor.)
Standard Oil Company. (See Weitkamp, Alfred W., assignor.)
Standard Oil Company of California. (See Goodner, Ernest F., assignor.)
Stanton, Samuel W., Madison, Fla. Folding stool. 2,258,940; Oct. 14.
Staudt, John G. (See Hiley, D. G., and Staudt.)
Steen, Herbert, and G. R. Sutherland, Chicago, Ill. Stamp dispensing machine. 2,258,912; Oct. 14.
Stehlin, Theodore A., Los Angeles, Calif., assignor to T. C. Melim, Honolulu, Hawaii. Brake control valve mechanism. 2,259,184; Oct. 14.
Steininger, Herbert M., Kansas City, Mo., and R. J. Diwoky, assignors to Standard Oil Company, Chicago, Ill. Preparing a hydrocarbon oil having drying oil characteristics. 2,258,821; Oct. 14.

Stelzl, Howard M. (See Schwarz, B. A., Funk, and Stelzl.)
Stevenson, William, Blundellsands, Liverpool, England. Shackle. 2,259,217; Oct. 14.
Stoehr, Max, Berlin-Hermsdorf, Germany, assignor to General Electric Company. Electric valve control system. 2,259,119; Oct. 14.
Stoelting, Erwin C., Niagara Falls, N. Y. Pivotal lathe carriage. 2,259,218; Oct. 14.
Stohlman, William D., assignor to Bemis Bro. Bag Company, St. Louis, Mo. Bag. 2,259,274; Oct. 14.
Stone, Albert L., Palos Verdes Estates, assignor to Hydril Company, Los Angeles, Calif. Well pipe joint. 2,259,232; Oct. 14.
Stone, Albert L., Palos Verdes Estates, assignor to Hydril Company, Los Angeles, Calif. Butt welding. 2,258,913; Oct. 14.
Stone, Lawrence, Jr., Denver, Colo. Phonograph record cleaner and needle protector. 2,259,275; Oct. 14.
Story, Daniel D., and C. C., and E. E. Schlesser, Portland, Oreg. Construction of storage compartments. 2,259,007; Oct. 14.
Story, Edward B., Bethel Township, assignor to A. M. Byers Company, Pittsburgh, Pa. Manufacture of wrought iron. 2,258,632; Oct. 14.
Strickland, George H., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,259,219; Oct. 14.
Strickler, Walter B. (See Davis, R. C., Newsom, and Strickler.)
Strubbe, Edward H., and M. J. Colacurcio, Cincinnati, Ohio, assignors to United Biscuit Company of America, Chicago, Ill. Dough brake machine. 2,259,398; Oct. 14.
Stuer, Joseph, Lawrence, Mass. Shuttle placer. 2,259,048; Oct. 14.
Sturgiss, Joseph T., and H. Singer, Honolulu, Hawaii. Riveting clamp. 2,258,822; Oct. 14.
Submarine Signal Company. (See Grabau, William C., assignor.)
Submarine Signal Company. (See Smith, Edward W., assignor.)
Suckow, Frederick G. (See Swan, H. G., and Suckow.)
Süddeutsche Apparatefabrik G. m. b. H. (See Geisler, Otmar, assignor.)
Sullivan Machinery Company. (See Carr, R. H., Covell, and Terrell, assignors.)
Sullivan Machinery Company. (See Curtis, John C., assignor.)
Sullivan Machinery Company. (See Gartin, Elmer G., assignor.)
Sullivan Machinery Company. (See Kendrick, John F., assignor.)
Sullivan Machinery Company. (See Wineman, Wade H., assignor.)
Sutherland, George R. (See Steen, H., and Sutherland.)
Sutter Co., The. (See Sutter, Erwin L., assignor.)
Sutter, Erwin L., Boston, assignor to The Sutter Co., Inc., Allston, Mass. Emergency tire truck. 2,259,399; Oct. 14.
Swabacker, John E. B., Chicago, Ill. Parenteral injection unit. 2,259,276; Oct. 14.
Swan, Horace G., East Aurora, and F. G. Suckow, Bowmansville, assignors to The Symington-Gould Corporation, Rochester, N. Y. Side bearing. 2,259,049; Oct. 14.
Swanson, Earl C., assignor to Andersen Corporation, Bayport, Minn. Weather stripping. 2,259,008; Oct. 14.
Swedman, Enoch, assignor to Seeger Refrigerator Company, St. Paul, Minn. Refrigerator cabinet. 2,259,185; Oct. 14.
Swedman, Enoch, assignor to Seeger Refrigerator Company, St. Paul, Minn. Application of refrigerator molding with concealed securing nails. 2,259,186; Oct. 14.
Sweeney, John B., McKeesport, Pa. Melting and drying machine. 2,259,120; Oct. 14.
Switzer, Robert C., Cleveland, Ohio. Flaw detection. 2,259,400; Oct. 14.
Symington-Gould Corporation. (See Couch, Glenn F., assignor.)
Symington-Gould Corporation, The. (See Swan, H. G., and Suckow, assignors.)
Talbot, Ralph H., assignor to Eastman Kodak Company, Rochester, N. Y. Antiabrasion coating for photographic film. 2,259,009; Oct. 14.
Tamoschat, William, New York, assignor to D. H. Zell, Brooklyn, N. Y. Registering mechanism for coin banks. 2,259,090; Oct. 14.
Tarrant, John G., New York, N. Y. Smoke filter. 2,258,823; Oct. 14.
Taylor, Edwin, Brooklyn, N. Y., assignor of two-fifths to W. F. Doyle, Summit, N. J. Apparatus for combustion of fluid fuel. 2,259,010; Oct. 14.
Taylor, Edwin, Brooklyn, N. Y., assignor of two-fifths to W. F. Doyle, Summit, N. J. Atomizer for liquid fuels. 2,259,011; Oct. 14.
Taylor, Edwin, Brooklyn, N. Y., assignor of two-fifths to W. F. Doyle, Summit, N. J. Heating system. 2,259,012; Oct. 14.
Taylor, Edwin, Brooklyn, N. Y., assignor of two-fifths to W. F. Doyle, Summit, N. J. Apparatus for producing power. 2,259,013; Oct. 14.
Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H. (See Roosenstein, H. O., and Reimann, assignors.)
Telefunken Gesellschaft fur Drahtlose Telegraphie mit beschrankter Haftunk. (See Volgt, Willy, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H. (See Willner, Ernst, assignor.)
Teleregister Corporation, The. (See Hicks, R. M., and Haselton, assignors.)
Teller, G. & J. (See Teller, J., and Schulz, assignors.)
Teller, Jacob, Chicago, Ill., and A. P. Schulz, Michigan City, Ind., assignors to G. & J. Teller, Chicago, Ill. Convertible gas and coal range. 2,258,824; Oct. 14.
Temple, Lemuel M., Scarsdale, N. Y. Radio receiver circuit. 2,259,121; Oct. 14.
Templeton, Robert P., assignor to American Sales Book Company, Inc., Niagara Falls, N. Y. Manifolding strip. 2,259,358; Oct. 14.
Terrell, Charles F., Jr. (See Carr, R. H., Covell, and Terrell.)
Terrell, Edgar A., Charlotte, N. C. Method and means for spinning rims on spool heads. 2,258,691; Oct. 14.
Terrell, Edgar A. (See Kimbirl, A. C., and Terrell.)
Terrell Machine Company, The. (See Kimbirl, A. C., and Terrell, assignors.)
Theiss, Harry W., Louisville, Ohio, assignor to Continental Steel Corporation, Kokomo, Ind. Pickling sheets or the like. 2,259,277; Oct. 14.
Theiss, Harry W., Louisville, Ohio, assignor to Continental Steel Corporation, Kokomo, Ind. Mechanism for feeding metallic sheets through a bath. 2,259,278; Oct. 14.
Thiele, Ernest W., assignor to Standard Oil Company, Chicago, Ill. Gasoline manufacture. 2,258,633; Oct. 14.
Thomas, Pacific J., assignor to U. S. Textile Machine Company, Scranton, Pa. Stop motion for twisting and winding machines. 2,258,914; Oct. 14.
Thomas, Pacific J., Scranton, assignor to U. S. Textile Machine Company, Scranton, Pa. Traverse yarn guide. 2,258,915; Oct. 14.
Thomas, Pacific J. (See Little, R., and Thomas.)
Thompson, Herbert B., assignor of twenty-five per cent to A. H. Ward and twenty-five per cent to S. J. Redd, Pittsburgh, Pa. Pneumatic jack. 2,258,825; Oct. 14.
Thompson, Louis W., and S. B. Crary, Schenectady, N. Y., assignors to General Electric Company. Regulator system. 2,259,091; Oct. 14.
Thompson, Milton E., Ridgway, Pa. Power saver. 2,259,359; Oct. 14.
Thompson Products Incorporated. (See Hufferd, G. H., and Graham, assignors.)
Thurston, Elmer A., Davenport, Iowa, assignor to The Cincinnati, Tool Company, Cincinnati, Ohio. File cleaning device. 2,259,050; Oct. 14.
Thurston, Jack T., Cos Cob, and D. W. Kaiser, Springdale, Conn., assignors to American Cyanamid Company, New York, N. Y. Phenolic esters of carbonic derivatives of alpha-hydroxyisobutyric acid. 2,258,870; Oct. 14.
Tingley, George R., assignor, by mesne assignments, to Cinema-Television Limited, London, England. Cathode ray deflecting apparatus. 2,259,233; Oct. 14.
Tobe Deutschmann Corporation. (See Dresser, Willis R., assignor.)
Todd Company, The. (See Payne, Walter B., assignor.)
Torkelson, Eliet M., Elizabeth, N. J., assignor to Bendix Aviation Corporation, South Bend, Inc. Instrument for use in flying aircraft. 2,258,826; Oct. 14.
Towart, Archie, Jr., Caldwell, assignor to Specialties Development Corporation, Bloomfield, N. J. High pressure fluid medium container and control valve therefor. 2,258,869; Oct. 14.
Tracht, Irwin, assignor to The American Forging & Socket Company, Pontiac, Mich. Lifting jack. 2,258,827; Oct. 14.
Tratsch, Walter A., and W. Patzer, Chicago, Ill. Vending machine. 2,258,916; Oct. 14.
Tratsch, Walter A. (See Patzer, W., and Tratsch.)
Travilla, James C., Jr., University City, Mo., and R. R. Cease, Nameoki, assignors to General Steel Castings Corporation, Granite City, Ill. Railway truck structure. 2,258,663; Oct. 14.
Travilla, James C., Jr. (See Sheehan, W. M., and Travilla.)
Trebert, Henry L., Canandaigua, N. Y. Universal pattern making machine. 2,258,828; Oct. 14.
Trebert, Henry L., Canandaigua, N. Y. Channeling or grooving machine. 2,259,092; Oct. 14.
Treshow, Michael, Los Angeles, Calif., assignor to F. L. Smidth & Co., New York, N. Y. Rotary kiln. 2,258,664; Oct. 14.
Troxel, Hubert B., Denver, Colo. Cinder breaker for locomotive boilers. 2,259,360; Oct. 14.
Tubize Chatillon Corporation. (See Cooper, Wilfrid B., assignor.)
Tucker, Warren R., and V. S. Shaw, Mount Gilead, Ohio, assignors to The Hydraulic Development Corp. Inc., Wilmington, Del. Fluid heat transfer unit. 2,259,401; Oct. 14.
Turke, Joseph F., Collins, N. Y. Electrical glass splitting machine. 2,258,692; Oct. 14.
Turnbull, David C., assignor to The American Foundry Equipment Company, Mishawaka, Ind. Apparatus for cleaning the various surfaces of metallic articles. 2,258,634; Oct. 14.

Turnbull, John T., Detroit, Mich. Heating unit. 2,259,187; Oct. 14.
Tyzzer, Howard J., assignor to The Crosley Corporation, Cincinnati, Ohio. Push button tuning device. 2,259,051; Oct. 14.
Uffrecht, Bernhard, Neuhaldensleben, Germany. Adjustment of cameras. 2,258,635; Oct. 14.
Underwood Elliott Fisher Company. (See Anderson, Walter A., assignor.)
Underwood Elliott Fisher Company. (See Pitman, Henry L., assignor.)
Union Switch & Signal Company, The. (See Snavely, Clarence S., assignor.)
United Biscuit Company of America. (See Strubbe, E. H., and Colacurcio, assignors.)
United-Carr Fastener Corporation. (See Murphy, Howard J., assignor.)
United Shoe Machinery Corporation. (See Brostrom, Charles G., assignor.)
United Shoe Machinery Corporation. (See Cross, Garrett P. S., assignor.)
United Shoe Machinery Corporation. (See Engel, Karl, assignor.)
United Shoe Machinery Corporation. (See Follansbee, Merrill, N., assignor.)
United Shoe Machinery Corporation. (See Greenough, Henry B., assignor.)
United Shoe Machinery Corporation. (See Mawbey, Lawrence, assignor.)
United States Automatic Box Machinery Co. (See Evans, Harry L., assignor.)
United States Rubber Company. (See Hirsch, A. C., Cullen, Krause, and Hutchens, assignors.)
United States Rubber Company. (See Little, Julian R., assignor.)
United States Rubber Company. (See Paul, Philip T., assignor.)
U. S. Textile Machine Company. (See Little, R., and Thomas, assignors.)
U. S. Textile Machine Company. (See Thomas, Pacific J., assignor.)
Upperman, Clyde E., Pittsburgh, Pa. Fuel and air mixing device. 2,259,014; Oct. 14.
Ussett, George E. and G., Chicago, Ill. Applicator for shoe dressings. 2,259,220; Oct. 14.
Ussett, Gustave. (See Ussett, George E. and G.)
Vaccaro, Lucas. (See Poche, John M., assignor.)
Van Dam, Matthew A., Lansing, Ill. Electric time controlled switch. 2,259,402; Oct. 14.
Van den Berge, Jacob, and F. Dijkstra, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Ground fixation with bitumens. 2,258,829; Oct. 14.
Vanderbilt, R. T. Company. (See Champion, C. H., and Denham, assignors.)
Van Name, Elmer G. (See Cramer, Stanley S., assignor.)
Van Yahres, George, Westbury, N. Y. Method and apparatus for treating decayed trees. 2,258,693; Oct. 14.
Vedder, Edwin H., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Protective system for gaseous discharge devices. 2,259,331; Oct. 14.
Vogel, Edward A., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Magneto. 2,258,665; Oct. 14.
Voigt, Willy, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie mit beschrankter Haftung, Berlin, Germany. Shielded electrical device. 2,259,234; Oct. 14.
Volckening, Henry G., Brooklyn, N. Y., assignor to Volckening Inc. Bottle cleaning device. 2,259,144; Oct. 14.
Volckening Inc. (See Volckening, Henry G., assignor.)
Vollrath, Paul, Cologne-on-the-Rhine, Germany. Electric stirring apparatus actuated by hand. 2,258,830; Oct. 14.
Von Geijer, Erik V. W. H. (See Ewerth, Anton G., assignor.)
Von Zeppelin, Helmut, Bitterfeld, Germany, assignor, by mesne assignments, to W. H. Duisberg, New York, N. Y. Production of beryllium chloride. 2,259,403; Oct. 14.
Vorkauf, Heinrich, Berlin, Germany, assignor to La Mont Corporation, New York, N. Y. Feed water by-pass seal for boiler circulating pumps. 2,259,361; Oct. 14.
Wagensell, Ludwig. (See Wagner, H., Muttray, and Wagensell.)
Waggoner, Walter L., Wenatchee, Wash., assignor to Brogdex Company, Pomona, Calif. Supply bin. 2,259,093; Oct. 14.
Wagner, Gustave H. (See Wagner, Harold A. and G. H.)
Wagner, Harold A. and G. H., Portland, Oreg. Self-propelled tilting hoist. 2,258,918; Oct. 14.
Wagner, Herbert, Berlin-Schmargendorf, and J. Muttray, and L. Wagensell, assignors to Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft, Dessau, Germany. Fixation of window panes in aircraft. 2,258,724; Oct. 14.
Waldo, Dorothy D., Grosse Pointe Farms, Mich. Article of furniture. 2,259,145; Oct. 14.
Walker, Herbert W., Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilized polymers of chloroprene and producing the same. 2,259,122; Oct. 14.
Walker, Louis C., North Muskegon, assignor to The Shaw-Walker Company, Muskegon, Mich. Card file. 2,258,666; Oct. 14.
Wallace, Archibald L., Northport, N. Y., assignor, by mesne assignments, of one-half to A. L. Wallace, and one-half to Cherryfield Corporation. Applying hose couplings. 2,258,919; Oct. 14.
Walsh, Basil J. (See Hannay, W. H., and Walsh.)
Walther, Fritz, Zella-Mehlis, Germany. Pistol firing mechanism. 2,259,404; Oct. 14.
Wanamaker, Harry F., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Hosiery moistener. 2,259,405; Oct. 14.
Wanamaker, Harry F., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Hosiery moistener. 2,259,406; Oct. 14.
Ward, Archie H., et al. (See Thompson, Herbert B., assignor.)
Ward, William. (See Oberholser, E. H., Ward, and Bramfitt.)
Wardwell, George W., Jr., Nichols, Conn., assignor to General Electric Company. Wringer. 2,259,146; Oct. 14.
Watter, Michael, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Dolly. 2,259,279; Oct. 14.
Watts, Roger H., Chicago, Ill. Door latch and lock. 2,258,831; Oct. 14.
Way, Stewart, Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Elastic fluid turbine. 2,258,794; Oct. 14.
Wayman, Albert J., Youngstown, Ohio. Double seal connector. 2,258,941; Oct. 14.
Weber, William C. See Darby, G. M., Fischer, and Weber.)
Wedberg, Axel G. W., Chicago, Ill. Form for concrete structures. 2,258,694; Oct. 14.
Wedig, Frank L., Jr., assignor to The Crosley Corporation, Cincinnati, Ohio. Automatic volume control means for facsimile systems. 2,258,871; Oct. 14.
Weisinger, Joseph, New York, N. Y. Start and stop mechanism. 2,258,872; Oct. 14.
Weiskirch, Thomas N., Le May, Mo., assignor to Inter-Coastal Paint Corporation, East St. Louis, Ill. Depilatory composition. 2,259,407; Oct. 14.
Weiskirch, Thomas N., Le May, Mo., assignor to Inter-Coastal Paint Corporation, East St. Louis, Ill. Resinous depilatory composition. 2,259,408; Oct. 14.
Weiss, Robert G. A., Cold Meece, near Stone, England, assignor to The Dorr Company, Inc., New York, N. Y. Filter. 2,259,235; Oct. 14.
Weitkamp, Alfred W., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Insecticidal oil spray. 2,258,832; Oct. 14.
Wellins, Murray. (See Wellins, Sidney and M.)
Wellins, Sidney, Cedarhurst, and M. Wellins, Lawrence, N. Y. Garment. 2,259,236; Oct. 14.
Wellman, Samuel K., Cleveland Heights, assignor to The S. K. Wellman Company, Cleveland, Ohio. Making bodies of compacted powdered material. 2,259,094; Oct. 14.
Wellman, S. K., Company, The. (See Wellman, Samuel K., assignor.)
Wells, Willis L., Clayton, and R. A. Rugge, Ferguson, Mo., assignors to Curtiss Wright Corporation. Aircraft indicating system. 2,259,123; Oct. 14.
Wendell, Edward N., Rockport, Mass., assignor to International Telephone Development Co. Inc., New York, N. Y. Four-course beacon. 2,259,124; Oct. 14.
Wenzel, Wilhelm, Leuna, and E. Hayek, Merseburg, Germany, assignors, by mesne assignments, to W. H. Duisberg, New York, N. Y. Reactivating desulphurizing masses. 2,259,409; Oct. 14.
Werner, Elmer C., assignor to The New Delphos Manufacturing Company, Delphos, Ohio. Metal roofing structure. 2,259,410; Oct. 14.
West, Ruben, Bakerton, Pa. Mine car brake. 2,259,411; Oct. 14.
West, William S. (See Berkman, H. A., and West.)
Western Union Telegraph Company, The. (See Schmid, Joseph, assignor.)
Westinghouse Air Brake Company, The. (See Hewitt, Ellis E., assignor.)
Westinghouse Air Brake Company, The. (See Loiseau, Maurice, assignor.)
Westinghouse Air Brake Company, The. (See McNeal, Donald L., assignor.)
Westinghouse Air Brake Company, The. (See Sorensen, Andrew J., assignor.)
Westinghouse Electric Elevator Company. (See Dunlop, James, assignor.)
Westinghouse Electric & Manufacturing Company. (See Barnes, Thomas D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Barnsteiner, A., and Reifenberg, assignors.)
Westinghouse Electric & Manufacturing Company. (See Bendz, Waldemar L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Blankenbuehler, J. H., and Fockler, assignors.)
Westinghouse Electric & Manufacturing Company. (See Blumentritt, Wilhelm, assignor.)
Westinghouse Electric & Manufacturing Company. (See Bock, Ashley P., assignor.)

Westinghouse Electric & Manufacturing Company. (See Clark, Earl K., assignor.)
Westinghouse Electric & Manufacturing Company. (See Cook, Willard G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Cox, J. H., and Longwell, assignors.)
Westinghouse Electric & Manufacturing Company. (See Cox, J. H., and Myers, assignors.)
Westinghouse Electric & Manufacturing Company. (See de Loache, Robert L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Dyer, Lloyd W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Freeman, George A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Gates, Henry S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Harding, William R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Herbold, Carl F., assignor.)
Westinghouse Electric & Manufacturing Company. (See James, Robert F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kilgore, L. A., and Baudry, assignors.)
Westinghouse Electric & Manufacturing Company. (See Kleinman, Harold A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kroon, Reinout P., assignor.)
Westinghouse Electric & Manufacturing Company. (See Laidig, Alfred H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lee, Paul R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Letsch, Gabriel, assignor.)
Westinghouse Electric & Manufacturing Company. (See Lewis, R. H., and Adams, assignors.)
Westinghouse Electric & Manufacturing Company. (See Lockwood, E. H., and Clark, assignors.)
Westinghouse Electric & Manufacturing Company. (See Lyle, Frederick W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Mouromtseff, Ilia E., assignor.)
Westinghouse Electric & Manufacturing Company. (See New, Winston R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Pahl, Arno, assignor.)
Westinghouse Electric & Manufacturing Company. (See Slepian, J., and Cox, assignors.)
Westinghouse Electric & Manufacturing Company. (See Snyder, Frederick D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Vedder, Edwin H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Way, Stewart, assignor.)

White, David E., Cleveland, Ohio, and J. M. Mason, Washington, D. C.; said Mason assignor to said White. Hand traveling bag. 2,258,942; Oct. 14.
White, Eric L. C. (See Blumlein, A. D., and White.)
Whitehead, Richard H., assignor to New Haven Clock Company, New Haven, Conn. Timing device. 2,259,188; Oct. 14.
Whitman, Robert G., Alvon, W. Va. Smoker's appliance. 2,259,412; Oct. 14.
Wile, Daniel D., Utica, N. Y., assignor to Detroit Lubricator Company, Detroit, Mich. Control device. 2,259,280; Oct. 14.
Wilkinson, Alvin H., Tulsa, Okla. Air cooler. 2,258,725; Oct. 14.
Willi, Albert B., Grosse Pointe, assignor to Federal-Mogul Corporation, Detroit, Mich. Rear main bearing shell for internal combustion engines. 2,258,834; Oct. 14.
Williams, David, and R. S. Holcomb, Warren, Pa. Non-skid attachment. 2,259,189; Oct. 14.
Williams, Ernest, Jackson Heights, and C. P. Xenis, Little Neck, assignors to Consolidated Edison Company of New York, Inc., New York, N. Y. Method and apparatus for soldering connections to cable sheaths. 2,259,281; Oct. 14.
Williams, Ernest, Jackson Heights, and C. P. Xenis, Little Neck, assignors to Consolidated Edison Company of New York, Inc., New York, N. Y. Molding means for cable joints and the like. 2,259,282; Oct. 14.
Williams, Fred, Flint, assignor to General Motors Corporation, Detroit, Mich. Flow switch. 2,258,835; Oct. 14.
Williams, Paul G., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich. Hat display case. 2,258,873; Oct. 14.
Williams, Robert A., Chicago, Ill. Bookbinding. 2,258,874; Oct. 14.
Willner, Ernst, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany. Cathode heater. 2,258,836; Oct. 14.
Wineman, Wade H., Michigan City, Ind., assignor to Sullivan Machinery Company. Apparatus for pumping wells. 2,259,020; Oct. 14.
Wineman, Wade H., Michigan City, Ind., assignor to Sullivan Machinery Company. Apparatus for pumping oil wells. 2,259,021; Oct. 14.
Wingfoot Corporation. (See Brown, G. M., and Snyder, assignors.)
Wingfoot Corporation. (See Gehman, Samuel D., assignor.)
Wingfoot Corporation. (See Maas, E. F., and Kline, assignors.)
Wingfoot Corporation. (See Mallory, Gerald D., assignor.)
Wingfoot Corporation. (See Merrill, James A., assignor.)
Wingfoot Corporation. (See Osterhof, Harold J., assignor.)
Wingfoot Corporation. (See Scott, Winfield, assignor.)
Wingfoot Corporation. (See Sebrell, Lorin B., assignor.)
Wingfoot Corporation. (See Smith, Claude H., assignor.)
Wingfoot Corporation. (See Young, Foster J., assignor.)

Winkelman, William H., Hemet, Calif. Fruit splitter. 2,259,332; Oct. 14.
Winkelmann, Herbert A., Chicago, Ill., and E. W. Moffett, Milwaukee, Wis., assignors to Marbon Corporation, Gary, Ind. Rubber chloride composition and treating same. 2,259,190; Oct. 14.
Wogulis, Stanley G., assignor to Modern Steel Equipment Company, Geneva, Ill. Roller bearing mounting for drawers and the like. 2,258,667; Oct. 14.
Wolaver, Park, Chicago, Ill. Calendar. 2,259,333; Oct. 14.
Woll, Wesley G., Tottenville, N. Y., and R. T. Gore, Drexel Hill, Pa., assignors to International Smelting & Refining Company, New York, N. Y. Production of tellurium. 2,258,963; Oct. 14.
Wolski, Alois J. (See Jakubowski, B. K., and Wolski.)
Wood, John, Manufacturing Company. (See Woodford, Joseph C., assignor.)
Wood, Robert F., Glenside, and R. Seeman, Willow Grove, Pa. Rail securing means. 2,258,964; Oct. 14.
Woodford, Joseph C., Wayne, assignor to John Wood Manufacturing Company, Inc., Conshohocken, Pa. Fluid meter. 2,259,052; Oct. 14.
Wright Aeronautical Corporation. (See Daub, Rudolph, assignor.)
Wright Aeronautical Corporation. (See Lundquist, Wilton G., assignor.)
Wright, Denis, Liverpool, England, assignor to Associated Telephone & Telegraph Company, Chicago, Ill. Impulse sending arrangement for use in telephone or like systems. 2,259,334; Oct. 14.
Wurlitzer, Rudolph, Company, The. (See Ebert, E. A., and Gleiser, assignors.)
Wurlitzer, Rudolph, Company, The. (See Kamp, John C., assignor.)
Xenis, Constantine P. (See Williams, E., and Xenis.)
Xenis, Constantine P., Little Neck, Long Island, N. Y. Limiter. 2,259,053; Oct. 14.
Yates, George, Glendale, assignor to Ross MacFadden, Hollywood, Calif. Hair curler. 2,258,920; Oct. 14.
Yelm, Charles W., assignor to The Gates Rubber Company, Denver, Colo. Picker. 2,259,413; Oct. 14.
Young, Forrest J. (See Zerbe, L. E., and Young.)
Young, Forrest J., Los Angeles, Calif., assignor to The National Supply Company, Pittsburgh, Pa. Slip bushing. 2,259,054; Oct. 14.
Young, Foster J., Kent, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Laminating and stretching. 2,259,362; Oct. 14.
Young, Lafe, and M. N. Be Dell, Alton, Ill., assignors to Laclede Steel Company, St. Louis, Mo. Apparatus for pickling metal articles. 2,258,921; Oct. 14.
Young, Marvin S., Scarsdale, N. Y., and R. B. Lewthwaite, Hasbrouck Heights, N. J., assignors, by mesne assignments, to The Merlin Corporation, New York, N. Y. Lubricant dispensing. 2,258,636; Oct. 14.
Young, Marvin S., Scarsdale, N. Y., and R. B. Lewthwaite, Hasbrouck Heights, N. J., assignors to The Merlin Corporation, New York, N. Y. Portable dispenser for lubricating oil. 2,258,637; Oct. 14.
Zabodiakin, Victor F., Maplewood, N. J. Fastening device. 2,258,668; Oct. 14.
Zarth, William A., Jamaica, assignor to Dictograph Products Company, Inc., New York, N. Y. Bone conduction audiphone. 2,258,638; Oct. 14.
Zeigler, John H. (See Gordon, J. J., and Zeigler.)
Zell, David H. (See Tamoschat, William, assignor.)
Zerbe, Lewis E., Moneta, and F. J. Young, Los Angeles, Calif., assignors to The National Supply Company, Pittsburgh, Pa. Rotary machine. 2,259,055; Oct. 14.
Zerbe, Lewis E., Moneta, Calif., assignor to The National Supply Company, Pittsburgh, Pa. Rotary machine. 2,259,056; Oct. 14.
Zim Manufacturing Company. (See Berkman, H. A., and West, assignors.)
Zimmerla, John A., Cumberland, Md. Hair and scalp tonic applicator. 2,259,057; Oct. 14.
Zuschlag, Theodor, West Englewood, N. J., assignor to Magnetic Analysis Corporation. Electrical testing. 2,258,837; Oct. 14.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 14TH DAY OF OCTOBER, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Alcohols, Production of. H. Hopff. Re. 21,922; Oct. 14.
Damper control for unit heaters. H. C. Mueller. Re. 21,924; Oct. 14.
Lifting mechanism. J. J. Mizer. Re. 21,923; Oct. 14.
Sink fixture. H. S. Smith. Re. 21,925; Oct. 14.
Structural member, Welded. G. G. Greulich. Re. 21,921; Oct. 14.
Valve circuit, Electric. E. F. W. Alexanderson. Re. 21,919; Oct. 14.
Wheel. W. O. Bechman and R. A. Holmberg. Re. 21,920; Oct. 14.

LIST OF DESIGN INVENTIONS

Airplane. M. J. Wenzow. 129,970; Oct. 14.
Bank, Coin actuated calendar. G. T. Kodama. 129,939; Oct. 14.
Boot, Rubber. G. H. Bingham, Jr. 129,914; Oct. 14.
Bottle or similar article, Cologne. J. D. Buckingham. 129,957; Oct. 14.
Bottle or similar container. G. C. Robinson. 129,968; Oct. 14.
Box, Display. E. Lux. 129,925; Oct. 14.
Box, Rouge. P. A. Derham and J. H. Newport, Jr. 129,960; Oct. 14.
Building, Portable. A. H. Valentine. 129,934; Oct. 14.
Cabinet, Refrigerator. R. Loewy. 130,000; Oct. 14.
Carton, Merchandise dispensing. M. I. Williamson. 129,971; Oct. 14.
Case, Display. B. M. Oswell. 130,002; Oct. 14.
Case, Display. P. G. Williams. 129,936; Oct. 14.
Casing, Control instrument. H. Dreyfuss. 129,962; Oct. 14.
Casing, Control instrument. H. Dreyfuss. 129,976; Oct. 14.
Casing, Control instrument. F. B. Lambert. 129,967; Oct. 14.
Casing for a liquid measuring apparatus. W. F. Schultz. 129,931; Oct. 14.
Casing, Hair clipper. M. Andis. 129,973–4; Oct. 14.
Cleaner, Vacuum. A. A. Forsberg. 129,993; Oct. 14.
Clock. J. F. Punzak. 130,012; Oct. 14.
Collar or similar article, Dog. G. L. Morris. 130,001; Oct. 14.
Container, Lipstick. W. B. Petzold. 129,942–4; Oct. 14.
Cooking vessel. W. Eck. 129,963; Oct. 14.
Counter, Restaurant. L. W. Lowther. 129,924; Oct. 14.
Counter, Service back bar. M. E. Steczynski. 129,952–5; Oct. 14.
Display frame and clock, Combined. P. H. Lamothe. 129,998; Oct. 14.
Drawer pull. R. L. Peat. 129,927; Oct. 14.
Drawer pull. P. K. Wrigley; 129,937; Oct. 14.
Dress. B. Axelrad. 129,989; Oct. 14.
Dress. A. Gershuny. 130,003; Oct. 14.
Dress. B. Hurwitz. 130,004; Oct. 14.
Dress. P. Kaperst. 130,005; Oct. 14.
Dress. M. McCoy. 130,006; Oct. 14.
Dress. F. B. Saloff. 130,008; Oct. 14.
Dress. J. Valiée. 129,986; Oct. 14.
Dress. J. Walker. 129,987; Oct. 14.
Dress. M. Wolff. 130,010–11; Oct. 14.
Dress ensemble. L. Arver. 129,988; Oct. 14.
Earring or similar article. A. Philippe. 129,977–84; Oct. 14.
Fabric, Stretchable textile. W. J. Roche. 129,969; Oct. 14.
Fabric, Textile. M. Christen. 129,958–9; Oct. 14.
Fabric, Textile. M. Christen. 129,975; Oct. 14.
Fan, Ventilating. A. F. Wilcoxson. 129,935; Oct. 14.
Filler and valve for gasoline tanks or the like, Combination. F. T. Ranney. 130,007; Oct. 14.
Game board. G. Bohland. 129,916; Oct. 14.
Game board. F. H. Dean. 129,992; Oct. 14.
Game board. R. A. Sauer. 129,930; Oct. 14.
Handle for vehicle doors, Regulator. B. S. Floraday. 129,919; Oct. 14.
Handle, Vehicle door. B. S. Floraday. 129,918; Oct. 14.
Hat or similar article. R. Jacobson. 129,997; Oct. 14.
Lamp, Electric. H. H. Smith. 129,932; Oct. 14.
Lamp fixture, Fluorescent. C. F. MacCarthy. 129,940; Oct. 14.
Lamp head. P. H. Irmischer. 129,921–2; Oct. 14.
Lathe. S. W. Sparks. 130,009; Oct. 14.
Lens, Lamp. R. Cadwallader. 129,917; Oct. 14.
Lip-stick applicator. I. B. Kaltenbach. 129,923; Oct. 14.
Locomotive body, Two-unit. H. L. Hamilton, W. D. Otter, and P. A. Meyer. 129,964; Oct. 14.
Locomotive body, Two-unit. H. L. Hamilton, W. D. Otter, and P. A. Meyer. 129,995–6; Oct. 14.
Medal. F. H. Irelan. 129,965; Oct. 14.
Oil cooling unit. F. M. Young. 129,972; Oct. 14.
Pack-rope securing device. A. W. Anderson. 129,913; Oct. 14.
Pipe bit. C. C. Doty. 129,961; Oct. 14.
Projector. T. G. Clement. 129,990; Oct. 14.
Pump, Pitcher-spout. E. D. Pellegrin. 129,928; Oct. 14.
Rack, Towel. R. S. Sanford. 129,947–50; Oct. 14.
Rim stretcher for spectacle frames, Electric. J. Gorski. 129,994; Oct. 14.
Shoe. H. L. Sutcliffe. 129,985; Oct. 14.
Sign, Illuminable advertising. L. E. Peters. 129,941; Oct. 14.
Slipper. H. H. Gross. 129,920; Oct. 14.
Smoking pipe and the like. J. J. Kolar. 129,966; Oct. 14.
Spectacle frame. A. Blum. 129,915; Oct. 14.
Spoon or other article of flatware. E. J. Conroy. 129,991; Oct. 14.
Stand and lamp, Combined manicure. E. Scateni. 129,951; Oct. 14.
Stand, Display. F. H. Patton. 129,926; Oct. 14.
Stove, Heating. C. J. Kessler. 129,938; Oct. 14.
Stove, Heating. K. W. Rausch. 129,945; Oct. 14.
Stove, Teating. M. Resek. 129,946; Oct. 14.
Tongs or similar article, Serving. R. Bernhardt. 129,956; Oct. 14.
Toy work bench. J. Pressman. 129,929; Oct. 14.
Vending machine. C. C. J. Thelander. 129,933; Oct. 14.
Yoke for tractor and trailer, Connecting. R. G. Le Tourneau. 129,999; Oct. 14.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 14TH DAY OF OCTOBER, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive products, Manufacture of. J. N. Kuzmick. 2,258,774; Oct. 14.
Abrasive wheel and reinforcing mounting. J. N. and P. L. Kuzmick. 2,259,345; Oct. 14.
Accelerator. W. Scott. 2,259,353; Oct. 14.
Accelerator and brake control. J. L. Siesennop. 2,258,627; Oct. 14.
Accelerator device, Flexible. G. A. Rubissow. 2,258,625; Oct. 14.
Address plate. E. F. Richter. 2,258,624; Oct. 14.
Adhesive and preparing same. C. H. Champion and F. H. Denham. 2,258,741; Oct. 14.
Adjusting device for fuel injection pumps. H. Links. 2,258,655; Oct. 14.
Agricultural implement. J. W. Jacobs. 2,258,932; Oct. 14.
Agricultural implement. H. L. Lockridge. 2,259,170; Oct. 14.
Air conditioning system. E. Kent. 2,258,682; Oct. 14.
Air cooler. A. H. Wilkinson. 2,258,725; Oct. 14.
Aircraft, Instrument for use in flying. E. M. Torkelson. 2,258,826; Oct. 14.
Aircraft spark plug, Shielded. H. Rabezzana and A. J. Battey. 2,258,810; Oct. 14.
Air filter. C. A. Campbell. 2,258,926; Oct. 14.
Album, Photographic film. J. G. Y. D. Morgan. 2,259,211; Oct. 14.
Alloy: *See*—
  Bearing alloy. Copper-zinc alloy.
Amidines, Condensation products of cyclic. R. Sallmann. 2,258,721; Oct. 14.
Amplifier. J. W. Conklin. 2,258,598; Oct. 14.
Amplifier, Photoelectric vacuum tube. W. C. Peterman. 2,259,323; Oct. 14.
Anesthetizing, Method of. E. W. Reynolds. 2,258,863; Oct. 14.
Anhydrides, Production of itaconic and citraconic. J. H. Crowell. 2,258,947; Oct. 14.
Animal trap. J. D. Murphy. 2,258,904; Oct. 14.
Antenna system. W. H. C. Higgins. 2,258,953; Oct. 14.
Apparatus for cleaning cotton. J. F. Graham. 2,258,928; Oct. 14.
Apparatus for cooling pipe insides. P. C. Ely and J. M. Hopkins. 2,259,367; Oct. 14.
Apparatus for cleaning the various surfaces of metallic articles. D. C. Turnbull. 2,258,634; Oct. 14.
Apparatus for combustion of fluid fuel. E. Taylor. 2,259,010; Oct. 14.
Apparatus for controlling the volume of flow of fluids. H. E. T. Haultain. 2,258,758; Oct. 14.
Apparatus for drying materials. A. Modave. 2,259,210; Oct. 14.
Apparatus for making pottery ware. W. J. Miller. 2,258,658; Oct. 14.
Apparatus for the manufacture of tires. A. C. Hirsch, J. F. Cullen, A. R. Krause, and H. O. Hutchens. 2,259,162; Oct. 14.
Apparatus for pickling metal articles. L. Young and M. N. Re Dell. 2,258,921; Oct. 14.
Apparatus for producing activated carbon. F. Sitte. 2,258,818; Oct. 14.
Apparatus for producing articles from dissolved plastic substances by immersion. A. Boecler and K. Bratring. 2,258,642; Oct. 14.
Apparatus for producing power. E. Taylor. 2,259,013; Oct. 14.
Apparatus for pumping oil wells. R. H. Carr, K. A. Covell, and C. F. Terrell, Jr. 2,259,019; Oct. 14.
Apparatus for pumping oil wells. W. H. Wineman. 2,259,021; Oct. 14.
Apparatus for pumping wells. W. H. Wineman. 2,259,020; Oct. 14.
Apparatus for removing liquids from tanks and the like. H. J. Kutz. 2,259,383; Oct. 14.
Apparatus for straightening filled cans. J. Pearlman and H. Kittilsen. 2,258,800; Oct. 14.
Apparatus for the manufacture of finned structures. L. U. Larkin. 2,258,618; Oct. 14.
Apparatus for treating liquids. H. C. Mojonnier. 2,259,263; Oct. 14.
Apparatus for treating liquids. E. W. Smith. 2,258,630; Oct. 14.
Applicator for shoe dressings. G. E. and G. Ussett. 2,259,220; Oct. 14.
Applicator, Hair and scalp tonic. J. A. Zimmerla. 2,259,057; Oct. 14.
Arc snuffing circuit. J. H. Cox and R. R. Longwell. 2,259,294; Oct. 14.
Article holder, Attachable. A. G. Davis. 2,259,244; Oct. 14.
Articles with viscous coatings, Production of. R. W. Polley. 2,258,808; Oct. 14.
Atomizer for liquid fuels. E. Taylor. 2,259,011; Oct. 14.
Attachment for automobile jacks. E. D. Peterson. 2,258,905; Oct. 14.
Audiphone, Bone conduction. W. A. Zarth. 2,258,638; Oct. 14.
Autographic register structure. W. A. Pringle and C. J. Manuel. 2,259,391; Oct. 14.
Automatic volume control means for facsimile systems. F. L. Wedig, Jr. 2,258,871; Oct. 14.
Automobile initial holder. H. L. Moyer. 2,259,042; Oct. 14.
Automobile tool. E. A. Gulley. 2,259,038; Oct. 14.
Azo compounds and material colored therewith. J. B. Dickey and M. M. Levine. 2,258,978–9; Oct. 14.
Azo compounds and material colored therewith. J. B. Dickey and J. G. McNally. 2,258,977; Oct. 14.
Bag: *See*—
  Hand traveling bag. Sleeping bag.
Bag. W. D. Stohlman. 2,259,274; Oct. 14.
Bag attachment for corn huskers. H. L. and A. Rosenthal. 2,259,140; Oct. 14.
Bag closure, Variable. J. F. Ames. 2,259,192; Oct. 14.
Bags, Manufacture of. G. M. Brown and J. E. Snyder. 2,259,239; Oct. 14.
Ball. W. T. Brown. 2,259,060; Oct. 14.
Battery cell cover assembly, Storage. H. J. Flikkie. 2,259,158; Oct. 14.
Beacon, Four-course. E. N. Wendell. 2,259,124; Oct. 14.
Bearing: *See*—
  Roller bearing. Side bearing.
Bearing alloy. R. H. Harrington. 2,259,108; Oct. 14.
Bearing shell for internal combustion engines, Rear main. A. B. Willi. 2,258,834; Oct. 14.
Bed structure. S. Raduns. 2,258,623; Oct. 14.
Bed warmer. B. O. Bethell. 2,258,944; Oct. 14.
Beryllium chloride, Production of. H. von Zeppelin. 2,259,403; Oct. 14.
Bin, Supply. W. L. Waggoner. 2,259,093; Oct. 14.
Birdproofing. J. S. Peles. 2,258,803; Oct. 14.
Blade preserving means. G. Monnet. 2,258,620; Oct. 14.
Blanking die. A. H. Brown. 2,258,843; Oct. 14.
Binding post. S. N. Buchanan. 2,258,738; Oct. 14.
Blind and fastener therefor, Venetian. H. R. Haase. 2,258,647; Oct. 14.
Block: *See*—
  Terminal block.
Block and tackle. O. Kozlovskis. 2,259,252–3; Oct. 14.
Bobbin. A. C. Kimbirl and E. A. Terrell. 2,258,768; Oct. 14.
Bodies of compacted powdered material, Method for making. S. K. Wellman. 2,259,094; Oct. 14.
Boiler: *See*—
  Gas fired boiler.
Book contents, Means for identifying. F. E. Fleming, Jr. 2,259,203; Oct. 14.
Book protector marker holder. C. E. Baltinger. 2,259,363; Oct. 14.
Bookbinding. R. A. Williams. 2,258,874; Oct. 14.
Bookcase unit. N. I. Garrison. 2,258,948; Oct. 14.
Bookkeeping machine. E. Breitling. 2,258,697; Oct. 14.
Bottle carrier for bottle washing machines. P. C. Read. 2,258,717; Oct. 14.
Bottle cleaning device. H. G. Volckening. 2,259,144; Oct. 14.
Bow, Coated temple. E. A. Ring. 2,259,082; Oct. 14.
Box: *See*—
  Journal box. Stuffing box.
Box. A. G. Davis. 2,259,245; Oct. 14.
Bracket: *See*—
  Rear-vision mirror bracket.
Brake: *See*—
  Hydraulically controlled brake. Mechanical servo brake. Mine car brake.
Brake. J. B. Brown. 2,258,881; Oct. 14.
Brake. F. C. Frank. 2,258,888; Oct. 14.
Brake. W. J. Humphrey. 2,258,893; Oct. 14.
Brake. L. E. La Brie. 2,258,853; Oct. 14.
Brake. E. R. Price. 2,258,907; Oct. 14.
Brake. K. Rabe. 2,259,266; Oct. 14.
Brake control apparatus. E. E. Hewitt. 2,258,761; Oct. 14.
Brake control means. A. J. Sorensen. 2,258,820; Oct. 14.
Brake control valve mechanism. T. A. Stehlin. 2,259,184; Oct. 14.

Brake mechanism. F. L. Main. 2,259,074–5; Oct. 14.
Brake mechanism. D. L. McNeal. 2,258,784; Oct. 14.
Breaker for locomotive boilers, Cinder. H. B. Troxel. 2,259,360; Oct. 14.
Broilers, Automatic. L. E. McGlaughlin. 2,259,073; Oct. 14.
Broom machine. E. McCaffray and C. E. Oyler. 2,258,936; Oct. 14.
Brush. A. S. Beman. 2,258,840; Oct. 14.
Buckle and loop and producing the same, Lingerie slide. S. Orenbach. 2,258,937; Oct. 14.
Building construction. S. G. Meek. 2,258,955; Oct. 14.
Burner control system. L. L. Finnigan. 2,258,753; Oct. 14.
Bushing, Slip. F. J. Young. 2,259,054; Oct. 14.
Cabinet: *See*—
  Refrigerator cabinet.
Cable: *See*—
  Concentric cable. Gas filled cable.
Cable clamp. G. M. Johns. 2,259,068; Oct. 14.
Cable spooling device. A. M. Graham. 2,258,889; Oct. 14.
Calendar. P. Wolaver. 2,259,333; Oct. 14.
Calendar and like display device. R. P. Dickerson. 2,259,336; Oct. 14.
Calk for athletic shoes and the like. F. C. Phillips. 2,258,805; Oct. 14.
Camera focusing device. W. C. Eddy. 2,259,415; Oct. 14.
Camera for production therewith of small-sized photographs in series, Hand. W. Rosenhaft. 2,259,084; Oct. 14.
Camera, High speed. W. K. Rankin. 2,259,228; Oct. 14.
Camera to give perspective to moving pictures. F. M. Brooke. 2,258,945; Oct. 14.
Cameras, Adjustment of. B. Uffrecht. 2,258,635; Oct. 14.
Cane grab. T. A. Guild. 2,259,376; Oct. 14.
Cans, Straightening and testing filled. J. Pearlman and H. Kittilsen. 2,258,802; Oct. 14.
Carrier. E. O. Sohn. 2,258,819; Oct. 14.
Carton, Display. D. A. Larkin. 2,259,041; Oct. 14.
Case: *See*—
  Hat display case.
Catalyst, Preparation of hydrogenation. W. J. Kirkpatrick. 2,259,423; Oct. 14.
Cathead for drilling apparatus. A. R. Hopkins. 2,259,206; Oct. 14.
Cathode heater. E. Willner. 2,258,836; Oct. 14.
Cathode ray deflecting apparatus. G. R. Tingley. 2,259,233; Oct. 14.
Cellulose product. A. K. Smith. 2,258,628; Oct. 14.
Chain adjustment. H. B. Lewis. 2,258,778; Oct. 14.
Chair: *See*—
  Theater chair.
Channeling or grooving machine. H. L. Trebert. 2,259,092; Oct. 14.
Charging apparatus, Electrical fence. N. F. Agnew and W. P. Place. 2,258,669; Oct. 14.
Chest structure. G. W. Aldeen. 2,258,838; Oct. 14.
Chlorine from nitrosyl chloride-containing gases, Recovery of. W. C. Klingelhoefer. 2,258,771–2; Oct. 14.
Chronometric instrument. F. H. Hibbard. 2,259,309; Oct. 14.
Circuit: *See*—
  Arc snuffing circuit. Image rejector circuit.
  Electric signal pulse controlling circuit. Operator's position circuit. Radio receiver circuit.
Circuit breaker. J. M. Anderson. 2,259,097; Oct. 14.
Circuit controlling device. W. M. Scott, Jr. 2,259,005; Oct. 14.
Circuit damping, Electrical. A. W. Barber. 2,258,877; Oct. 14.
Circuit for radiophone transmitters, Triplex. A. P. Bock. 2,259,290; Oct. 14.
Circuit interrupter. L. W. Dyer. 2,259,300; Oct. 14.
Circuits, Securing alignment in a plurality of resonant. F. N. Jacob. 2,259,250; Oct. 14.
Circuits, Sweep. M. W. Baldwin, Jr. 2,259,284; Oct. 14.
Clamp: *See*—
  Cable clamp. Riveting clamp.
Clamping and cutting mechanism for circular knitting machines. I. W. Grothey and G. I. Folsom. 2,259,375; Oct. 14.
Classifier. H. G. Lykken. 2,258,901; Oct. 14.
Classifier. C. H. Scott. 2,259,231; Oct. 14.
Cleaner: *See*—
  Suction cleaner. Vacuum cleaner.
Cleaning apparatus, Wall. C. Kenne. 2,258,588; Oct. 14.
Cleaning device, File. E. A. Thurston. 2,259,050; Oct. 14.
Cleaning device for pots and pans and the like. D. J. Cosgro. 2,259,025; Oct. 14.
Clip: *See*—
  Molding clip. Reveal molding clip.
Clip applying device. A. D. Park and M. G. Brown. 2,258,861; Oct. 14.
Clock, Watchman's. A. C. Erisman and M. C. Smith. 2,259,065; Oct. 14.
Closure, Measuring. C. R. Bennett. 2,259,017; Oct. 14.
Clothes drier. G. C. Monckmeier. 2,259,390; Oct. 14.
Clutch: *See*—
  Fluid clutch. Safety clutch.
Coating for photographic film, Antiabrasion. R. H. Talbot. 2,259,009; Oct. 14.
Coffee maker. H. G. Lehmann. 2,258,589; Oct. 14.
Coil, Ignition. W. E. Schwarzmann. 2,259,229; Oct. 14.
Coke oven, Broad. C. H. Hughes. 2,259,380; Oct. 14.
Collar, Grief. H. H. Clark. 2,259,023; Oct. 14.
Coloring composition for textiles. R. H. Kienle and A. L. Peiker. 2,259,225; Oct. 14.
Communication system. R. S. Pitkin, Jr. 2,258,807; Oct. 14.
Composition for covering golf balls. J. A. Merrill. 2,259,349; Oct. 14.
Composition of matter and production thereof. C. Simnett. 2,258,910; Oct. 14.
Compressor, Rotary. P. O. de Zarate and D. S. Drabble. 2,259,027; Oct. 14.
Concentric cable. T. F. Peterson. 2,258,687; Oct. 14.
Concrete placement apparatus. C. Jackson. 2,259,110; Oct. 14.
Conductive device. G. L. Pearson. 2,258,958; Oct. 14.
Connection, Plug and socket. C. O. Browne. 2,258,737; Oct. 14.
Connector: *See*—
  Double seal connector. Electrical connector.
Contact bank for automatic switches in telephone systems. K. Noack. 2,258,860; Oct. 14.
Contacts, Forming. W. E. Mansfield. 2,258,992; Oct. 14.
Container: *See*—
  Dispensing container. Paper container.
Container. J. M. Hothersall. 2,258,610; Oct. 14.
Container capping mechanism. J. M. Hothersall. 2,258,611; Oct. 14.
Container making. E. F. Maas and C. R. Kline. 2,259,256; Oct. 14.
Control device. D. D. Wile. 2,259,280; Oct. 14.
Control device, Draft. E. A. Field, Jr. 2,259,130; Oct. 14.
Control device for radio receivers, Push button. H. W. Rubinstein. 2,258,690; Oct. 14.
Control device, Governor gearshift. L. S. Pfost. 2,259,114; Oct. 14.
Control means, Brake. D. L. McNeal. 2,258,783; Oct. 14.
Control system. H. H. Gorrie. 2,259,417; Oct. 14.
Control system. R. G. Rayden. 2,259,115; Oct. 14.
Control system, Electric valve. M. Stoehr. 2,259,119; Oct. 14.
Control system, Motor. J. L. Harris. 2,259,343; Oct. 14.
Control system, Motor. G. A. Spohn. 2,259,357; Oct. 14.
Converter, Contact. G. Letsch. 2,259,313; Oct. 14.
Conveyer for loading machines, Discharge. G. Baechli. 2,258,965; Oct. 14.
Conveyer system, Electric. E. U. Lassen. 2,258,775; Oct. 14.
Cooler: *See*—
  Air cooler.
Cooler. F. T. Powers. 2,258,906; Oct. 14.
Copper-zinc alloy. W. J. Müller and M. Niessner. 2,259,078; Oct. 14.
Corner snap lock. J. J. Ingels. 2,259,382; Oct. 14.
Counting apparatus. H. W. Gilbert. 2,259,159; Oct. 14.
Coupling: *See*—
  Electric coupling.
Coupling. W. C. Ittiger, Sr. 2,259,137; Oct. 14.
Cover: *See*—
  Dust guard cover.
Covering for vehicle seats, Back. M. A. A. de González Pagliere. 2,259,026; Oct. 14.
Cowl fastener. R. I. Markey. 2,259,076; Oct. 14.
Crane, Train order. H. L. and W. M. Brown. 2,258,923; Oct. 14.
Crate, Bottle. F. G. Krueger and F. H. Hudepohl. 2,258,707; Oct. 14.
Creel mechanism of warping frames. W. and W. Reiners and G. Kahlisch. 2,259,079; Oct. 14.
Crystals, Mounting piezoelectric. S. A. Bokovoy. 2,258,967; Oct. 14.
Cushion attachment. N. M. Loney. 2,258,780; Oct. 14.
Cutter: *See*—
  Gear cutter. Rotary cutter.
Cutterhead construction for dry shavers. R. Knapp. 2,259,002; Oct. 14.
Cyanhydrin interchange. F. E. Küng. 2,259,167; Oct. 14.
Cylinder and piston structure for pressure devices. G. J. C. Failing and W. T. Caldwell. 2,259,432; Oct. 14.
Decoy duck. R. W. Benson. 2,259,018; Oct. 14.
Dehydrogenation products for aliphatic hydrocarbons and halogenated hydrocarbons, Production of. H. Baehr and W. Delters. 2,259,195; Oct. 14.
Delivery reduction means for variable delivery pumps, Selective. W. Ernst. 2,258,981; Oct. 14.
Depilatory composition. T. N. Weiskirch. 2,259,407; Oct. 14.
Depilatory composition, Resinous. T. N. Weiskirch. 2,259,408; Oct. 14.
Deposition belt and method of making the same. M. E. Hansen. 2,259,161; Oct. 14.
Desulphurizing iron or iron alloys, Process for. F. Eulenstein and A. Krus. 2,258,850; Oct. 14.
Desulphurizing masses, Reactivating. W. Wenzel and E. Hayek. 2,259,409; Oct. 14.

Detachable support. L. L. Brancheau. 2,258,735; Oct. 14.
Developing tank. C. Mace. 2,259,259; Oct. 14.
Device for holding and cutting sheet material. A. W. Schaldach. 2,259,117; Oct. 14.
Device for straightening filled cans. J. Pearlman. 2,258,801; Oct. 14.
Device for straightening hair. W. and L. B. Brown. 2,258,844; Oct. 14.
Dial adjustment for garment shaping machines, Quick-operating. J. R. Fitzgerald. 2,259,369; Oct. 14.
Die: *See*—
Blanking die.
Die press. A. and D. Novick. 2,259,320; Oct. 14.
Direct current generator, Exciting. L. Schön. 2,258,813; Oct. 14.
Direction signal. H. C. Doane. 2,258,747; Oct. 14.
Dispenser: *See*—
Powder dispenser.
Dispenser for lubricating oil, Portable. M. S. Young and R. B. Lewthwaite. 2,258,637; Oct. 14.
Dispensing container. R. S. Sanford. 2,258,866; Oct. 14.
Distortion correction for cathode ray tubes. J. de Gier, A. A. Kruithof, and F. M. Penning. 2,258,643; Oct. 14.
Distraction method and device, Mechanical. G. C. McCann. 2,258,857; Oct. 14.
Distributer for printing machines, Printing fluid. E. H. Klingelfuss. 2,258,653; Oct. 14.
Dolly. M. Watter. 2,259,279; Oct. 14.
Dolomite and making the same, Sulphated selectively calcined. W. H. MacIntire. 2,258,709; Oct. 14.
Domestic appliance. F. H. McCormick. 2,259,258; Oct. 14.
Door: *See*—
Lift door.
Door construction, Sliding. R. J. Olander. 2,258,713; Oct. 14.
Door latch and lock. R. H. Watts. 2,258,831; Oct. 14.
Double seal connector. A. J. Wayman. 2,258,941; Oct. 14.
Dough brake machine. E. H. Strubbe and M. J. Colacurcio. 2,259,398; Oct. 14.
Draft control, Ejector. G. W. Saathoff. 2,258,961; Oct. 14.
Draft regulator for hot air furnaces. M. W. Best. 2,258,729; Oct. 14.
Drawworks. J. S. Morgan, Jr. 2,258,785; Oct. 14.
Drier: *See*—
Clothes drier.
Drier, Bottle. C. N. De Lano. 2,258,676; Oct. 14.
Drill: *See*—
Rock drill.
Drill grinding apparatus. W. F. Bannister. 2,258,727; Oct. 14.
Drill stem drive device. A. J. Hodge. 2,259,224; Oct. 14.
Drilling mechanism. F. Miller. 2,258,995; Oct. 14.
Drive, Mechanical. B. A. Schwarz, J. G. Funk, and H. M. Steizl. 2,258,814; Oct. 14.
Drive, Strip reel. W. G. Cook. 2,259,241; Oct. 14.
Drum. G. M. Robison. 2,259,268; Oct. 14.
Drum, Drying. R. E. Cleveland. 2,259,024; Oct. 14.
Duct leader. W. R. Dewey and R. E. Spokes. 2,258,745; Oct. 14.
Duplicating apparatus. M. P. Neal and W. J. Champion. 2,259,174; Oct. 14.
Dust collector and air washer, Wet. E. F. Fisher. 2,259,030–1; Oct. 14.
Dust guard cover. H. J. Horn and F. A. Frederick. 2,258,852; Oct. 14.
Dynamoelectric machine. J. H. Blankenbuehler and T. C. Fockler. 2,259,288; Oct. 14.
Ear protector. A. B. Graves. 2,258,929; Oct. 14.
Educational and amusement device. C. H. Forbell. 2,258,603; Oct. 14.
Electric coupling. L. A. Kilgore and R. A. Baudry. 2,259,311; Oct. 14.
Electric discharge apparatus. R. C. Kelting. 2,259,069; Oct. 14.
Electric discharge lamp. G. E. Inman. 2,259,040; Oct. 14.
Electric heater. J. L. Shroyer. 2,259,143; Oct. 14.
Electric iron. W. A. Barnes. 2,258,639; Oct. 14.
Electric lamp, Portable. C. V. Dame. 2,259,154; Oct. 14.
Electric signal pulse controlling circuits. A. D. Blumlein and E. L. C. White. 2,258,732; Oct. 14.
Electric stirring apparatus actuated by hand. P. Vollrath. 2,258,830; Oct. 10.
Electric switch. W. Schmid. 2,259,326; Oct. 14.
Electric water heater. J. A. Des Rosiers. 2,258,744; Oct. 14.
Electrical apparatus. W. R. Dresser. 2,258,677; Oct. 14.
Electrical connector. T. E. McDowell. 2,259,072; Oct. 14.
Electrical connector. J. B. Miller and P. J. Bach. 2,259,261; Oct. 14.
Electrical device, Shielded. W. Voigt. 2,259,234; Oct. 14.
Electrical testing. T. Zuschlag. 2,258,837; Oct. 14.
Electrolytic deposition of tarnish-resisting silver alloys, Solution for. J. Ryder. 2,259,270; Oct. 14.
Electrolytic manganese process. W. H. Hannay and B. J. Walsh. 2,259,418; Oct. 14.
Electromagnet. J. Eaton. 2,259,127; Oct. 14.
Electron discharge tube. J. Bernamont. 2,259,099; Oct. 14.
Electrostatic separating apparatus. H. B. Johnson. 2,258,767; Oct. 14.
Engine: *See*—
Internal combustion engine.
Engine. H. A. Beckstrom. 2,259,196; Oct. 14.
Esters of carbonic derivatives of alphahydroxyisobutyric acid, Phenolic. J. T. Thurston and D. W. Kaiser. 2,258,870; Oct. 14.
Esters of ortho inorganic acids of titanium, tin, and aluminum with alpha beta unsaturated primary alcohols. H. S. Rothrock. 2,258,718; Oct. 14.
Ethers of polyglycerols. B. R. Harris. 2,258,892; Oct. 14.
Exhaust of high pressure lamps, Automatic. G. A. Freeman. 2,259,105; Oct. 14.
Extraction apparatus. J. J. Gordon and J. H. Zeigler. 2,258,982; Oct. 14.
Fabric: *See*—
Textile fabric.
Fabric. G. Backer. 2,258,581; Oct. 14.
Fastener: *See*—
Cowl fastener.
Fastening device. V. F. Zahodiakin. 2,258,668; Oct. 14.
Fatty substances, Refining. L. O. Buxton and H. B. Colman. 2,258,672; Oct. 14.
Fender, Rear. A. Ross. 2,258,812; Oct. 14.
Fibers, Production of crimped cellulose derivative staple. H. R. Childs and W. T. Jackson. 2,259,150; Oct, 14.
File, Card. L. C. Walker. 2,258,666; Oct. 14.
Filler, Tobacco pipe bowl. D. P. Knob. 2,258,933; Oct. 14.
Film, Laminating. G. D. Mallory. 2,259,347; Oct. 14.
Film, Manufacture of photographic. G. F. Nadeau. 2,258,997; Oct. 14.
Films, Making rubber hydrochloride. H. J. Osterhof. 2,259,352; Oct. 14.
Films, Making rubber hydrochloride. L. B. Sebrell. 2,259,355; Oct. 14.
Filter: *See*—
Air filter. Smoke filter.
Filter. R. G. A. Weiss. 2,259,235; Oct. 14.
Fireplace construction. C. V. Craig. 2,258,882; Oct. 14.
Fireworks. L. L. Driggs, Jr. 2,259,155; Oct. 14.
Firing-pin selector device for firearms. W. I. Smith. 2,259,397; Oct. 14.
Fitter mechanism for glassware. G. R. Haub. 2,259,377; Oct. 14.
Flaw detection. R. C. Switzer. 2,259,400; Oct. 14.
Floral spray holder for caskets. P. J. Lucas. 2,259,209; Oct. 14.
Flotation apparatus and method. A. C. Daman. 2,259,243; Oct. 14.
Flotation process for oxidized manganese ore. R. C. Hills. 2,259,420; Oct. 14.
Flow switch. F. Williams. 2,258,835; Oct. 14.
Fluid clutch. C. W. Hutchison. 2,259,208; Oct. 14.
Fluid medium container and control valve therefor, High pressure. A. Towart, Jr. 2,258,869; Oct. 14.
Fluid meter. J. C. Woodford. 2,259,052; Oct. 14.
Fluid metering device. C. J. Bassler. 2,258,878; Oct. 14.
Fluid motor control valve. E. E. Hedene. 2,258,585; Oct. 14.
Fluid-pressure reducing and regulating valve. F. D. Butler. 2,258,595; Oct. 14.
Foam composition. E. F. Goodner. 2,258,587; Oct. 14.
Focus system for optical instruments, Variable. G. A. Mitchell. 2,258,903; Oct. 14.
Folder, Novelty. E. P. Heilpern. 2,259,205; Oct. 14.
Form for concrete structures. A. G. W. Wedberg. 2,258,694; Oct. 14.
Frame: *See*—
Window frame.
Freezing unit. E. H. Davis. 2,258,975; Oct. 14.
Front control hood latch. R. Hill. 2,258,680; Oct. 14.
Fruit splitter. W. H. Winkelman. 2,259,332; Oct. 14.
Fuel control, Automatic. I. V. Brumbaugh, L. S. Kauffman, and H. C. Reinhart. 2,258,924; Oct. 14.
Fuel cutoff, Automatic. A. J. Scott, Jr. 2,259,047; Oct. 14.
Fuel production, Motor. H. V. Atwell. 2,258,839; Oct. 14.
Furniture, Article of. D. D. Waldo. 2,259,145; Oct. 14.
Fusee and method of making same. L. A. Sherman. 2,258,868; Oct. 14.
Fuse device and clip therefor. C. L. Schuck. 2,259,142; Oct. 14.
Garment. S. and M. Wellins. 2,259,236; Oct. 14.
Garment, Protective. V. H. Chadwick. 2,258,946; Oct. 14.
Gas filled cable. F. W. Engster. 2,259,129; Oct. 14.
Gas fired boiler. U. R. Goodale. 2,259,373; Oct. 14.
Gas return device for internal combustion engines, Exhaust. J. Marx and H. P. Siegler. 2,258,902; Oct. 14.
Gas valve for liquid heaters. O. Merten. 2,258,590; Oct. 14.
Gas washer. E. F. Fisher. 2,259,032; Oct. 14.
Gas washer. E. F. Fisher. 2,259,034; Oct. 14.
Gaseous discharge devices, Protective system for. E. H. Vedder. 2,259,331; Oct. 14.

Gases and isotopes, Method and apparatus for separating. A. K. Brewer and A. Bramley. 2,258,594; Oct. 14.
Gaseous relay, Double bimetallic. A. H. Laidig. 2,259,111; Oct. 14.
Gasifier or pilot, Recirculating. B. Hayter. 2,258,679; Oct. 14.
Gasoline manufacture. E. W. Thiele. 2,258,633; Oct. 14.
Gauge: *See*—
Thread gauge.
Gear: *See*—
Planetary gear.
Gear cutter. A. Erhardt. 2,258,849; Oct. 14.
Gelatin layers for photographic purposes, Manufacture of dyed. E. Glaser. 2,258,755; Oct. 14.
Generator: *See*—
Direct current generator. Synchronizing signal generator.
Steam generator.
Generators, Operating vapor. G. W. Saathoff. 2,258,719; Oct. 14.
Glass article. C. M. Langkammerer. 2,258,708; Oct. 14.
Glass, Manufacture of laminated. J. G. McNally. 2,258,991; Oct. 14.
Glass splitting machine, Electrical. J. F. Turke. 2,258,692; Oct. 14.
Glove, Golf player's. E. S. Nunn. 2,258,999; Oct. 14.
Gloves, Method and machine for knitting. L. Imbriani. 2,259,381; Oct. 14.
Golf ball. J. A. Merrill. 2,259,348; Oct. 14.
Governor. E. C. Read. 2,258,688; Oct. 14.
Grader, Road. C. A. Gustafson. 2,258,890; Oct. 14.
Greaseproof material, Manufacture of. H. C. Fisher and W. E. Sooy. 2,258,851; Oct. 14.
Grip device, Intermittent. J. C. Curtis. 2,258,950; Oct. 14.
Gripping and guiding device, Thread. D. D. Demarest, C. Berendt, and W. Karius. 2,258,644; Oct. 14.
Ground fixation with bitumens, Method of. J. van den Berge and F. Dijkstra. 2,258,829; Oct. 1.
Guard. L. G. Mell. 2,259,388; Oct. 14.
Guard, Globe and lamp. C. H. Baker and D. H. Fisher. 2,259,237; Oct. 14.
Guide, Traverse yarn. P. J. Thomas. 2,258,915; Oct. 14.
Hair clipper. R. Knapp. 2,259,001; Oct. 14.
Hair curler. G. Yates. 2,258,920; Oct. 14.
Hand traveling bag. D. E. White and J. M. Mason. 2,258,942; Oct. 14.
Handling apparatus for forging blanks. M. W. Lamprecht. 2,259,168; Oct. 14.
Hatbox. H. Berg, Jr. 2,258,582; Oct. 14.
Hat-blocking machine. A. Jensen. 2,258,954; Oct. 14.
Hat display case. P. G. Williams. 2,258,873; Oct. 14.
Heat exchanger. W. H. Kitto. 2,259,433; Oct. 14.
Heat transfer unit, Fluid. W. R. Tucker and V. S. Shaw. 2,259,401; Oct. 14.
Heater: *See*—
Cathode heater. Electric water heater.
Electric heater. Storage water heater.
Heating apparatus. M. J. Dewey. 2,259,299; Oct. 14.
Heating elements, Process for making. E. K. Clark. 2,259,242; Oct. 14.
Heating system. E. Taylor. 2,259,012; Oct. 14.
Heating system for vehicles, Steam. M. Loiseau. 2,258,779; Oct. 14.
Heating unit. J. T. Turnbull. 2,259,187; Oct. 14.
Heating unit, Electric. A. Barnsteiner and J. H. Reifenberg. 2,259,286; Oct. 14.
Hides and skins, Process for the treatment of. F. Schmitt. 2,259,087; Oct. 14.
High frequency for therapeutic purposes, Ultra. I. E. Mouromtseff. 2,259,318; Oct. 14.
Hitch and steering device, Trailer. C. K. Elwood. 2,258,678; Oct. 14.
Hoist, Self-propelled tilting. H. A. and G. H. Wagner. 2,258,918; Oct. 14.
Holder: *See*—
Article holder. Lantern slide holder.
Automobile initial holder. Lens holder.
Book protector marker holder. Shoe holder.
Holder device, Mechanical instrument. E. E. Harper. 2,259,133; Oct. 14.
Hose coupling, Applying. A. L. Wallace. 2,258,919; Oct. 14.
Hydraulically controlled brake. D. C. Gray. 2,258,756; Oct. 15.
Hydrocarbon conversion, Catalytic. R. M. Melaven and R. V. Shankland. 2,258,786; Oct. 14.
Hydrocarbons fluids, Treating. H. V. Atwell. 2,258,726; Oct. 14.
Hydrocarbon oil having drying oil characteristics, Preparing a. H. M. Steininger and R. J. Diwoky. 2,258,821; Oct. 14.
Hydrocarbon fluids, Treatment of. G. L. Eaton. 2,258,749; Oct. 14.
Ignition apparatus for internal combustion engines. F. R. F. Ramsay. 2,259,213; Oct. 14.
Image rejector circuit. J. D. Reid. 2,259,003; Oct. 14.
Image transmitting tube. H. Nelson. 2,258,791; Oct. 14.
Impulse sending arrangement for use in telephone or like systems. D. Wright. 2,259,334; Oct. 14.
Incandescent lamp and the like and making the same. S. Karasick. 2,259,165; Oct. 14.
Indicating system, Aircraft. W. L. Wells and R. A. Rugge. 2,259,123; Oct. 14.
Indicator: *See*—
Temperature indicator.
Injection unit, Parenteral. J. E. B. Swabacker. 2,259,276; Oct. 14.
Insect trap. R. Ketterer. 2,258,683; Oct. 14.
Inspecting device, Bottle. L. T. Sachtleben. 2,259,394; Oct. 14.
Insulating material, Preparing electrically. H. Inutsuka. 2,259,138; Oct. 14.
Insulation material, Electrical. W. R. Heineman. 2,259,134; Oct. 14.
Interlock, Air flow. J. L. Finch. 2,259,104; Oct. 14.
Internal combustion engine. R. Daub. 2,259,102; Oct. 14.
Internal combustion engine. R. Hasenzahl. 2,258,649; Oct. 14.
Internal combustion engine. E. H. Pitney. 2,259,176; Oct. 14.
Internal combustion engine, Multistage. C. W P. Heylandt and R. Mewes. 2,259,308; Oct. 14.
Interrupter, Mercury. W. S. Brian. 2,258,736; Oct. 14.
Iron: *See*—
Electric iron.
Iron, Manufacture of wrought. E. B. Story. 2,258,632; Oct. 14.
Ironer roll release. J. A. Castricone. 2,259,062; Oct. 14.
Jack: *See*—
Lifting jack. Wheel jack.
Pneumatic jack.
Joining, Method of. G. O. Hoglund. 2,258,681; Oct. 14.
Joint: *See*—
Self sealing ball joint. Well pipe joint.
Universal joint.
Joint for articles of furniture. M. A. Reens. 2,258,909; Oct. 14.
Joints, Method of making welded tool. S. Evans. 2,258,751; Oct. 14.
Journal box. G. F. Couch. 2,258,584; Oct. 14.
Ketene, Process for the manufacture of. F. J. Hopkinson. 2,258,985; Oct. 14.
Key hold. N. Fulton. 2,259,204; Oct. 14.
Kiln, Rotary. M. Treshow. 2,258,664; Oct. 14.
Knife adjustment, Cyclical. A. F. Shields. 2,258,816; Oct. 14.
Knife, Furrier's. M. Ingwer. 2,259,249; Oct. 14.
Knitting head. W. Larkin. 2,259,384; Oct. 14.
Knitting machine. A. V. Clarke. 2,258,927; Oct. 14.
Knitting needle and rule, Combination. J. M. Burg. 2,258,925; Oct. 14.
Knob, Lid. J. R. Morgan. 2,259,077; Oct. 14.
Lacquer and making same, Urea-phenolic baking. J. B. Rust. 2,259,085; Oct. 14.
Laminating and stretching. F. J. Young. 2,259,362; Oct. 14.
Lamp: *See*—
Electric lamp. Electric discharge lamp.
Lamp and fan unit, Combination. A. E. Blumenthal. 2,258,731; Oct. 14.
Lamp construction. P. N. Gardner. 2,259,416; Oct. 14.
Lantern slide holder, Multiple compartment. M. R. Hutchison, Jr. 2,258,986; Oct. 14.
Latch: *See*—
Front control hood latch.
Latch. F. M. Hogg. 2,259,136; Oct. 14.
Latch control. W. Patzer and W. A. Tratsch. 2,258,917; Oct. 14.
Latch for the doors of safety deposit structures. O. Metzerott. 2,259,389; Oct. 14.
Latching device. H. A. Knauff. 2,258,617; Oct. 14.
Latex and shellac coating. J. A. Merrill. 2,259,350; Oct. 14.
Lathe carriage, Pivotal. E. C. Stoelting. 2,259,218; Oct. 14.
Lead to steel, Method of adding. O. E. Harder. 2,259,342; Oct. 14.
Lens coating. L. T. Sachtleben. 2,259,395; Oct. 14.
Lens holder. A. B. Simmons. 2,259,006; Oct. 14.
License plate for automobiles and the like, Frangible. L. Gill. 2,258,754; Oct. 14.
Lid support. W. R. Lustig. 2,258,781; Oct. 14.
Lift door. P. Carlson. 2,258,971–2; Oct. 14.
Lifting jack. A. Jackson. 2,259,421; Oct. 14.
Lifting jack. I. Tracht. 2,258,827; Oct. 14.
Light sensitive device. O. Geisler. 2,259,372; Oct. 14.
Lighting and ventilating panel. E. A. Sipp and G. K. Raider. 2,259,089; Oct. 14.
Lighting attachment for telephones. W. L. Burkhart. 2,259,148; Oct. 14.
Lighting device. A. Pahl. 2,259,321; Oct. 14.
Lighting fixture. H. J. Claspy. 2,259,152; Oct. 14.
Lighting system, Automobile. S. Eliot. 2,259,028; Oct. 14.
Lighting unit. C. F. Herbold. 2,259,307; Oct. 14.
Limiter. C. P. Xenis. 2,259,053; Oct. 14.
Liquid and air contact column for cleaning air and gases. E. F. Fisher. 2,259,033; Oct. 14.
Liquids, Purification of. G. M. Darby, A. J. Fischer, and W. C. Weber. 2,259,221; Oct. 14.
Lock: *See*—
Corner snap lock. Vehicle brake lock.
Lubricant dispensing. M. S. Young and R. B. Lewthwaite. 2,258,636; Oct. 14.

Lubricants, Production of. M. Pier and F. Christmann. 2,258,806; Oct. 14.
Luminaire. C. A. B. Halvorson. 2,259,107; Oct. 14.
Machine for analyzing curves or graphs. L. V. Mitelman. 2,258,859; Oct. 14.
Machine for separating shoes from lasts. G. P. S. Cross. 2,258,597; Oct. 14.
Machine provided with walking apparatus. C. M. Cameron and A. T. Heath. 2,259,199; Oct. 14.
Magneto. E. A. Vogel. 2,258,665; Oct. 14.
Markers, Method of making. H. Duke. 2,258,885; Oct. 14.
Massaging and invigorating device. F. C. Heer and L. Liebl, Sr. 2,258,931; Oct. 14.
Material cutting table, Rolled. F. A. Lang. 2,258,898; Oct. 14.
Measuring device, Temperature. G. F. Gardner. 2,259,132; Oct. 14.
Measuring instrument. F. M. Kannenstine and F. M. Floyd. 2,258,613; Oct. 14.
Mechanical servo brake. L. E. La Brie. 2,258,897; Oct. 14.
Mechanism for varying the speed for hydraulic press rams. W. Ernst. 2,258,886; Oct. 14.
Melting and drying machine. J. B. Sweeney. 2,259,120; Oct. 14.
Memorandum pad and illuminating device, Combination. A. Mattlatzki. 2,258,685; Oct. 14.
Mercaptobenzothiazoles, Making. C. H. Smith. 2,259,356; Oct. 14.
Merchandise display table. L. Roselyn. 2,258,689; Oct. 14.
Metal dithiocarbamates, Preparing. H. I. Cramer. 2,258,847; Oct. 14.
Metal bodies, Hard surfacing. N. Janco. 2,258,894; Oct. 14.
Metal drawing process. R. Haefner and M. Schunck. Oct. 14.
Metal hammering apparatus. L. Levine. 2,259,255; Oct. 14.
Metal salt addition compounds, Preparation of complex diaryl guanidine. A. R. Davis. 2,259,414; Oct. 14.
Metallic sheets through a bath, Mechanism for feeding. H. W. Theiss. 2,259,278; Oct. 14.
Meta-N glycinyl parahydroxy arseno benzenes, Substituted. G. W. Raiziss, L. W. Clemence, and A. I. Kremens. 2,258,862; Oct. 14.
Meter: *See*—
Fluid meter. Parking meter.
Meter. T. D. Barnes. 2,259,285; Oct. 14.
Method and apparatus for mixing edible materials. A. W. Farrall and R. L. Hanson. 2,258,645; Oct. 14.
Method and apparatus for separation of materials. T. H. Morgan. 2,258,789; Oct. 14.
Mill: *See*—
Mixing mill.
Milling machine, Automatic. F. Koch. 2,259,424; Oct. 14.
Mine car brake. R. West. 2,259,411; Oct. 14.
Mixing device, Fuel and air. C. E. Upperman. 2,259,014; Oct. 14.
Mixing mill. R. W. Allen. 2,259,058; Oct. 14.
Modulation, Phase. W. van B. Roberts. 2,259,392; Oct. 14.
Moistener, Hosiery. H. F. Wanamaker. 2,259,405–6; Oct. 14.
Molding clip. B. Cotter. 2,258,742; Oct. 14.
Molding means for cable joints and the like. E. Williams and C. P. Xenis. 2,259,282; Oct. 14.
Motor control, Split-phase. F. D. Snyder. 2,259,330; Oct. 14.
Motor frame construction. W. B. Kochner. 2,258,987; Oct. 14.
Motor vehicle accessory. R. L. Albee. 2,258,922; Oct. 14.
Mounting device for adjustable inductors. W. H. James. 2,258,652; Oct. 14.
Musical instrument bow. M. Nebel. 2,258,998; Oct. 14.
Niobium oxide from its ores, Recovering. H. and L. Schlecht. 2,259,396; Oct. 14.
Nitrate, Purifying guanidine. D. W. Jayne, Jr., and L. L. Lento, Jr. 2,258,612; Oct. 14.
Nonskid attachment. D. Williams and R. S. Holcomb. 2,259,189; Oct. 14.
Notation, System of. C. E. Harrington. 2,258,891; Oct. 14.
Nut, Clip. J. P. Burke. 2,258,845; Oct. 14.
Nut member. H. J. Murphy. 2,259,425; Oct. 14.
Nut, Universal. J. L. Ruth. 2,259,269; Oct. 14.
Oil burning furnace for tobacco barns. J. P. Carey. 2,259,201; Oct. 14.
Oil composition, Lubricating. F. R. Moser and A. J. Dijksman. 2,258,591; Oct. 14.
Oil-water wells, Treating and producing. J. F. Kendrick. 2,258,614–5; Oct. 14.
Oil well rack device. R. O. Laird and N. W. Friddle. 2,258,934; Oct. 14.
Oil wells, Treatment and producing of. J. F. Kendrick. 2,258,616; Oct. 14.
Oils, Catalytic conversion of hydrocarbon. R. M. Melaven and R. V. Shankland. 2,258,787; Oct. 14.
Opener, Can. H. A. Berkman and W. S. West. 2,258,583; Oct. 14.
Opener, Rip-strip can. J. F. Peckham. 2,258,622; Oct. 14.
Operator, Electromagnetically controlled. W. A. Ray. 2,258,811; Oct. 14.
Operator's position circuit. J. F. Dahl. 2,259,100; Oct. 14.
Ornament, Chain. A. Better. 2,259,059; Oct. 14.
Orthodontic device. C. G. Glaser. 2,259,160; Oct. 14.
Oscillator, Regenerative. K. Scherer. 2,258,962; Oct. 14.
Overshoe. P. Y. Smiley. 2,259,182; Oct. 14.
Overturn and ignition switch, Combined. J. F. Courtney. 2,258,846; Oct. 14.
Oxidation of halogen compounds of cyclic ketones. Process for. H. Hatzig. 2,259,109; Oct. 14.
Pack, Razor blade. A. J. Briggs. 2,258,968; Oct. 14.
Package, Confectionery display. R. Ralph. 2,258,716; Oct. 14.
Package making and filling machine. H. L. Evans. 2,259,302; Oct. 14.
Package, Razor blade. G. Monnet. 2,258,621; Oct. 14.
Package, Rosin. C. C. Gillican. 2,259,035; Oct. 14.
Packaging device. I. S. Lermer. 2,258,777; Oct. 14.
Packing for dishwashing machines. T. E. D. Bilde. 2,259,197; Oct. 14.
Packing machine for containers and the like. A. Sowden. 2,258,631; Oct. 14.
Pad: *See*—
Shoulder pad:
Pad or guard for eyeglasses, spectacles, and the like, Nose. E. A. Ring. 2,259,080–1; Oct. 14.
Padlock. J. I. Seay. 2,259,271; Oct. 14.
Pan, Vacuum. J. Hamill. 2,258,704; Oct. 14.
Paper container, Closed. R. A. Bennett. 2,258,592; Oct. 14.
Paper drilling machines, Attachment for. J. E. Lee and F. Barney. 2,258,856; Oct. 14.
Paper feeding mechanism for accounting machines, Variable. W. A. Anderson. 2,258,695; Oct. 14.
Parachute. J. Overbeke. 2,258,797; Oct. 14.
Parking meter. D. C. Rockola. 2,259,177; Oct. 14.
Pattern making machine, Universal. H. L. Trebert. 2,258,828; Oct. 14.
Peg for athletic shoes. D. R. Brady. 2,258,734; Oct. 14.
Pen, Fountain. L. J. Biro. 2,258,841; Oct. 14.
Percussion tool with slide valve control gear, Pneumatic. A. Herzbruch. 2,259,379; Oct. 14.
Perforating apparatus. J. R. Below. 2,258,641; Oct. 14.
Petrol supply pump, Electromagnetically operated. K. Glässing. 2,258,586; Oct. 14.
Phonograph record cleaner and needle protector. L. Stone, Jr. 2,259,275; Oct. 14.
Photoelectric control. W. I. Bendz. 2,259,287; Oct. 14.
Photographic element, Nonhalation. J. R. Hill. 2,258,609; Oct. 14.
Photographic objective. W. Schade. 2,259,004; Oct. 14.
Physician's examining table. R. W. McKean. 2,258,782; Oct. 14.
Piano, Electric. E. S. Lundie. 2,258,990; Oct. 14.
Picker. C. W. Yelm. 2,259,413; Oct. 14.
Picker mechanism. C. H. Oslund. 2,259,212; Oct. 14.
Picture projector, Moving. E. J. Saunders. 2,258,722; Oct. 14.
Piezoelectric crystal apparatus. W. P. Mason. 2,259,317; Oct. 14.
Pipe: *See*—
Smoking pipe. Subdrain pipe.
Pipe rack. H. L. Rymal. 2,258,960; Oct. 14.
Pistol firing mechanism. F. Walther. 2,259,404; Oct. 14.
Planetary gear. W. G. Lundquist. 2,259,112; Oct. 14.
Plastic extrusion press. V. S. Shaw and W. Ernst. 2,259,181; Oct. 14.
Plate for lithographic printing, Steel. W. N. Misuraca. 2,258,956; Oct. 14.
Platen press for working cardboard blanks. H. Bobst. 2,258,880; Oct. 14.
Plug: *See*—
Aircraft spark plug.
Pneumatic jack. H. B. Thompson. 2,258,825; Oct. 14.
Polymerization, Method for continuous. F. K. Schoenfeld and W. L. Semon. 2,259,180; Oct. 14.
Polymers of chloroprene and producing the same, Stabilized. H. W. Walker. 2,259,122; Oct. 14.
Poultry tendon puller. B. J. Duffy, Sr. 2,258,884; Oct. 14.
Powder dispenser. L. A. Chambers. 2,259,240; Oct. 14.
Power saver M. E. Thompson. 2,259,359; Oct. 14.
Power transmission, Variable speed. A. Lysholm and G. K. W. Boestad. 2,258,684; Oct. 14.
Press: *See*—
Die press. Vulcanizing press.
Plastic extrusion press.
Presser, Necktie. C. J. Powell. 2,259,045; Oct. 14.
Pressure chamber. H. Pfienmer. 2,258,804; Oct. 14.
Printing apparatus, Photographic. W. E. Merriman and B. Burnham. 2,258,994; Oct. 14.
Progressive separator. V. F. Greaves. 2,258,983–4; Oct. 14.
Projection apparatus. J. A. Giroux. 2,259,340; Oct. 14.
Propeller. D. Calvo-Mackenna. 2,258,699; Oct. 14.
Propeller blade. C. Dornier. 2,259,247; Oct. 14.
Protector: *See*—
Ear protector.
Pulley, V belt clutch. H. A. Cederstrom. 2,259,149; Oct. 14.

Pump: *See*—
Petrol supply pump. Water pump.
Punch presses, Operating mechanism for. J. MacBlane. 2,259,257; Oct. 14.
Push button switch. W. M. Foster. 2,259,304; Oct. 14.
Quotation system. R. M. Hicks. and M. L. Haselton. 2,258,952; Oct. 14.
Rack: *See*—
Pipe rack. Towel rack.
Radiating apparatus and method. R. F. James. 2,258,765; Oct. 14.
Radio control, Remote automatic. R. H. Hill. 2,258,763; Oct. 14.
Radio receiver circuit. L. M. Temple. 2,259,121; Oct. 14.
Radio stage foundation. D. V. Sinninger. 2,259,328; Oct. 14.
Radio system, Highway. F. W. Lyle. 2,259,316; Oct. 14.
Rail securing means. R. F. Wood and R. Seeman. 2,258,964; Oct. 14.
Railway center plate structure. E. S. Beckette. 2,258,640; Oct. 14.
Rake-cleaning attachment. K. W. McMiller. 2,258,710; Oct. 14.
Range, Convertible gas and coal. J. Teller and A. P. Schulz. 2,258,824; Oct. 14.
Range, Cooking. E. L. Baker. 2,259,016; Oct. 14.
Razor. E. Bricher. 2,259,198; Oct. 14.
Razor. R. P. Harshberger. 2,258,608; Oct. 14.
Reamer. G. D. Ceska. 2,258,674; Oct. 14.
Rear-vision mirror bracket. H. J. Sauer. 2,259,179; Oct. 14.
Receiver, Telemetering. E. Krochmann. 2,259,070; Oct. 14.
Receiving system, Frequency-modulation. W. L. Carlson. 2,258,599; Oct. 14.
Receptacle for duplicating machines, Form. W. Ritzerfeld. 2,259,116; Oct. 14.
Receptacles, Mechanism for and method of producing. H. L. Evans. 2,259,301; Oct. 14.
Recording and reproducing element. A. Cortella. 2,258,596; Oct. 14.
Recording apparatus. H. G. Doll. 2,258,700; Oct. 14.
Recording apparatus. W. Oesinghaus. 2,259,139; Oct. 14.
Reflectors, Method of making. G. Arras. 2,258,875; Oct. 14.
Refrigerating apparatus. F. R. Bichowski. 2,258,730; Oct. 14.
Refrigerating apparatus. R. W. Hull. 2,259,039; Oct. 14.
Refrigerating apparatus. G. C. Pearce. 2,259,265; Oct. 14.
Refrigerating apparatus. G. H. Strickland. 2,259,219; Oct. 14.
Refrigerating machine. D. H. Gaston. 2,259,066; Oct. 14.
Refrigerator. T. I. Potter. 2,258,959; Oct. 14.
Refrigerator cabinet. E. Swedman. 2,259,185; Oct. 14.
Refrigerator illuminating means. R. S. Ahrens. 2,259,147; Oct. 14.
Refrigerator molding with concealed securing nails, Method of application of. E. Swedman. 2,259,186; Oct. 14.
Register, Demand. R. H. Lewis and P. G. Adams. 2,259,314; Oct. 14.
Registering mechanism for coin banks. W. Tamoschat. 2,259,090; Oct. 14.
Regulating system. T. F. Barton. 2,259,098; Oct. 14.
Regulator: *See*—
Voltage regulator. Window regulator.
Regulator system. S. B. Crary. 2,259,125; Oct. 14.
Regulator system. L. W. Thompson and S. B. Crary. 2,259,091; Oct. 14.
Relay, Electrical. C. S. Snavely. 2,259,183; Oct. 14.
Remote control system. W. Koenig. 2,258,654; Oct. 14.
Resinous compositions, Synthetic rubberlike. J. J. Russell. 2,259,141; Oct. 14.
Resinous material. J. R. Little. 2,259,169; Oct. 14.
Resinous reaction product of sulphur dioxide and olefins, Preparation of. F. E. Frey and L. H. Fitch, Jr. 2,258,702; Oct. 14.
Resistance material. R. O. Grisdale. 2,258,646; Oct. 14.
Reveal molding clip. E. A. Meyer and B. Cotter. 2,258,788; Oct. 14.
Rim attachment for seeder disks, Packer. P. W. R. Satrom. 2,258,626; Oct. 14.
Rims on spool heads, Spinning. E. A. Terrell. 2,258,691; Oct. 14.
Rinser for teeth and gums. E. P. Cressler. 2,258,883; Oct. 14.
Riveting clamp. J. T. Sturgiss and H. Singer. 2,258,822; Oct. 14.
Rivet-setting machine. S. S. Cramer. 2,259,296; Oct. 14.
Road construction. C. U. Gramelspacher. 2,259,374; Oct. 14.
Rock drill. J. C. Curtis. 2,258,951; Oct. 14.
Rock drill. E. G. Gartin. 2,258,949; Oct. 14.
Roentgenographic machines, Method of calibrating. L. F. Black. 2,258,593; Oct. 14.
Roller bearing. T. L. Robinson. 2,259,325; Oct. 14.
Roller bearing mounting for drawers and the like. S. G. Wogulis. 2,258,667; Oct. 14.
Roller bearings, Method of manufacture. T. L. Robinson. 2,259,324; Oct. 14.
Roofing, Metallic. G. W. Arnold. 2,259,194; Oct. 14.
Roofing structure, Metal. E. C. Werner. 2,259,410; Oct. 14.
Rotary cutter. M. C. Anderson and O. Estes. 2,259,015; Oct. 14.
Rotary machine. A. J. Hodge. 2,259,223; Oct. 14.
Rotary machine. J. D. Spalding. 2,259,431; Oct. 14.
Rotary machine. L. E. Zerbe. 2,259,056; Oct. 14.
Rotary machine. L. E. Zerbe and F. J. Young. 2,259,055; Oct. 14.
Rotation of self-ventilated machines, Means and method of continuously indicating the rate of. H. A. Kleinman. 2,258,770; Oct. 14.
Rotor for concrete vibrators. A. W. Mall. 2,259,113; Oct. 14.
Roughing machine. C. G. Brostrom. 2,258,698; Oct. 14.
Rubber chloride composition and treating same. H. A. Winkelmann and E. W. Moffett. 2,259,190; Oct. 14.
Rubber hydrochloride composition. S. D. Gehman. 2,259,339; Oct. 14.
Rubber, Treatment of. P. T. Paul. 2,259,175; Oct. 14.
Rubber, Vulcanization of. W. Scott. 2,259,354; Oct. 14.
Safety clutch, Fabricating machine. S. S. Cramer. 2,259,297; Oct. 14.
Salt addition compounds and preparation thereof, Complex diaryl guanidine metal. A. R. Davis. 2,259,063; Oct. 14.
Salt addition products, Preparation of complex diaryl guanidine metal. A. R. Davis. 2,259,064; Oct. 14.
Sandal. I. M. Smith. 2,259,273; Oct. 14.
Sanding machine. T. F. Brackett. 2,258,733; Oct. 14.
Sash, Window. G. C. Cross, J. A. Loetscher, and R. A. Arduser. 2,258,973; Oct. 14.
Scoop, Ice cream. J. E. O. Feller. 2,259,337; Oct. 14.
Seal for boiler circulating pumps, Feed water by-pass. H. Vorkauf. 2,259,361; Oct. 14.
Seal, Shaft. A. E. Karlberg. 2,259,422; Oct. 14.
Sedimentation apparatus. C. H. Scott. 2,259,230; Oct. 14.
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Selector for automatic phonographs, Sequence. E. A. Ebert and N. J. Gleiser. 2,259,156; Oct. 14.
Self-sealing ball joint. H. W. Miller. 2,259,171; Oct. 14.
Separator: *See*—
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Sewage by electrodialysis, Treatment of. L. M. Roberts. 2,259,046; Oct. 14.
Sewer construction. G. F. Egan. 2,259,128; Oct. 14.
Shackle. W. Stevenson. 2,259,217; Oct. 14.
Shade, Automobile sun. J. D. Neal. 2,259,173; Oct. 14.
Sharpener, Blade. V. Aiello, Sr. 2,259,095; Oct. 14.
Shaving device. J. Holtzman. 2,259,163; Oct. 14.
Sheathing. J. W. Meadowcroft. 2,258,858; Oct. 14.
Sheet aligning and feeding apparatus. W. B. Payne. 2,258,799; Oct. 14.
Sheet material, Method and device for coating. A. R. Mosier, Jr. 2,258,659; Oct. 14.
Sheets or the like, Method of pickling. H. W. Theiss. 2,259,277; Oct. 14.
Shim for electrical receptacles, Contact. J. W. Hunt. 2,259,207; Oct. 14.
Shoe bottom. F. A. Parkhurst. 2,259,322; Oct. 14.
Shoe holder. L. Jensen. 2,258,766; Oct. 14.
Shoes, Machine for operating upon. H. B. Greenough. 2,258,703; Oct. 14.
Short wave apparatus, Ultra. J. W. Conklin. 2,259,292; Oct. 14.
Shoulder pad. L. Nielsen. 2,258,937; Oct. 14.
Shovel control, Electric. W. R. Harding. 2,259,306; Oct. 14.
Shuttle placer. J. Stuer. 2,259,048; Oct. 14.
Side bearing. H. G. Swan and F. G. Suckow. 2,259,049; Oct. 14.
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Signal switching apparatus. W. F. Krager. 2,258,706; Oct. 14.
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Slicer for bread loaves. P. G. Schlemmer. 2,259,427; Oct. 14.
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Strain relief for electric cord connectors. A. Miller. 2,258,712; Oct. 14.
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Suction cleaner. V. E. Carlson. 2,258,740; Oct. 14.
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Telephone system. H. Hovland. 2,258,651; Oct. 14.
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Temperature indicator, Bimetallic. J. I. Liner. 2,258,989; Oct. 14.
Tempering device, Air. H. S. Murphy. 2,258,790; Oct. 14.
Terminal block. B. Eichwald. 2,258,750; Oct. 14.
Terminal, Self-contained rail bond stud. H. H. Febrey. 2,259,368; Oct. 14.
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Theater chair. C. Rieger. 2,258,864; Oct. 14.
Thermal demand meters, Reset for. S. Gabrielson. 2,259,371; Oct. 14.
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Thread control device for rayon spinning machines. W. B. Cooper. 2,259,202; Oct. 14.
Thread control system for looms, Pneumatic. O. V. Payne. 2,259,043; Oct. 14.
Thread gauge. C. Hecker. 2,258,760; Oct. 14.
Thread placer for cutting mechanism. O. V. Payne. 2,259,044; Oct. 14.
Time controlled switch, Electric. M. A. Van Dam. 2,259,402; Oct. 14.
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Titanium pigments, Method of making composite. L. W. Ryan and W. J. Cauwenberg. 2,259,178; Oct. 14.
Tone arm trip mechanism for automatic phonographs. J. C. Kamp. 2,259,251; Oct. 14.
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Totalizer structure, Multiple. W. Kiel. 2,259,344; Oct. 14.
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Towing device for river craft, Hydraulic. K. Kühne. 2,259,226; Oct. 14.
Traction or propulsion mechanism of the walking type. C. M. Cameron and A. T. Heath. 2,259,200; Oct. 14.
Tractor control, Automatic. F. W. Andrew. 2,259,193; Oct. 14.
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Trailer brake and the like. T. A. Banning, Jr. 2,258,876; Oct. 14.
Transmission control. H. W. Price. 2,258,908; Oct. 14.
Transmission in two-way signaling systems, Control of. B. G. Bjornson. 2,258,966; Oct. 14.
Transmission of frequency modulated waves. H. Nyquist. 2,259,000; Oct. 14.
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Truck, Emergency tire. E. L. Sutter. 2,259,399; Oct. 14.
Truck, Railway. J. A. McCormick. 2,258,656; Oct. 14.
Truck, Railway. W. M. Sheehan and J. C. Travilla, Jr. 2,259,088; Oct. 14.
Truck, Railway motor. W. H. Meyer. 2,258,657; Oct. 14.
Truck structure, Railway. J. C. Travilla, Jr., and R. R. Cease. 2,258,663; Oct. 14.

Truck, Refuse. L. A. Le Laurin. 2,258,988; Oct. 14.
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Tuning device, Push button. H. J. Tyzzer. 2,259,051; Oct. 14.
Tuning mechanism. B. A. Schwarz and L. Fichter. 2,258,815; Oct. 14.
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Vehicle wheel. C. W. Clark and W. P. Edmonds. 2,259,022; Oct. 14.
Vending machine. W. A. Tratsch and W. Patzer. 2,258,916; Oct. 14.
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Vibration isolation base for motorized fans and the like. S. Rosenzweig. 2,259,214; Oct. 14.
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Vise, Saw. C. E. Brown. 2,258,969; Oct. 14.
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Water pump. W. C. Conover. 2,259,153; Oct. 14.
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Weather stripping. E. C. Swanson. 2,259,008; Oct. 14.
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Yarns and like products, Production of staple fiber. W. Pool. 2,258,661; Oct. 14.

CLASSIFICATION OF PATENTS

ISSUED OCTOBER 14, 1941

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Ansen, William. (See Woronock, David.)

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Bianchini, Férier, Inc., New York, N. Y. Piece goods of silk, wool, hair, etc. Serial Nos. 446,379–80; Oct. 21. Class 42.

Bonilla, Frances, Long Island City, N. Y. Powdered modified milk product especially for infant feeding. Serial No. 446,413; Oct. 21. Class 46.

Borden Company, The, New York, N. Y. Evaporated, homogenized, sterilized therapeutic preparation. Serial No. 443,802; Oct. 21. Class 6.

Brown Bros., New York, N. Y. Ladies' hats. Serial No. 446,017; Oct. 21. Class 39.

Browner, A. Edward, New York, N. Y. Ladies', misses', and children's handbags and pocketbooks. Serial No. 446,791; Oct. 21. Class 3.

Carson Pirie Scott & Company, Chicago, Ill. Closet accessories—namely, garment bags, blanket bags, shoe bags, etc. Serial No. 432,676; Oct. 21. Class 2.

Cia Licorera Julia. (See Julia, Angel P.)

Cohen & Wilks, Limited, Manchester, England. Coats, capes, cloaks, etc. Serial No. 440,153; Oct. 21. Class 39.

Collegiate Manufacturing Company, Inc., New York, N. Y. Nightgowns, pajamas, slips, panties, etc. Serial No. 446,562; Oct. 21. Class 39.

Comfort Manufacturing Company, Chicago, Ill. Chemical compound for spraying around trees and shrubbery to repel dogs and cats. Serial No. 446,130; Oct. 21. Class 6.

Consolidated Research Corporation, New York, N. Y. Cameras and camera cases. Serial No. 443,977; Oct. 21. Class 26.

Continental Elastic Corporation, The, New Bedford, Mass. Narrow elastic fabrics. Serial No. 445,805; Oct. 21. Class 40.

Cooper Alloy Foundry Co., The, Elizabeth, N. J. Castings made out of cast stainless steel. Serial No. 446,020; Oct. 21. Class 14.

Cooper, Wells & Company, St. Joseph, Mich. Hosiery. Serial No. 445,839; Oct. 21. Class 39.

Cream Top Bottle Corporation, Albany, N. Y. Spoons and cream separators made of base metal. Serial No. 445,259; Oct. 21. Class 23.

De Rosa, M., Inc., New York, N. Y. Canned tomatoes and tomato paste. Serial No. 444,930; Oct. 21. Class 46.

Diamond K Vineyards. (See Kasparian, Vartoohi.)

Dillon-Beck Mfg. Co., Irvington, N. J. Plastic toy boats. Serial No. 444,758; Oct. 21. Class 22.

Distilled Liquors Import Co., Inc., New York, N. Y. Wines. Serial No. 444,177; Oct. 21. Class 47.

Douglas, Emma G., Berwyn, Ill. Calculating charts for use in determining periods in menstrual cycle. Serial No. 446,316; Oct. 21. Class 26.

Dowty Equipment Corporation, New York, N. Y. Hydraulic pumps. Serial No. 445,410; Oct. 21. Class 23.

Electric Storage Battery Company, The, Philadelphia, Pa. Storage batteries. Serial No. 445,653; Oct. 21. Class 21.

Evalyn Marie Products Company. (See Addison, Ben C.)

Fairy Silk Mills, Shellington, Pa., and New York, N. Y. Underwear. Serial No. 445,844; Oct. 21. Class 39.

French Art Silk Creations Co. (See Tardy, Suzanne.)

Frills, Inc., Chicago, Ill. Candied popcorn. Serial No. 444,827; Oct. 21. Class 46.

Full-Knit Hosiery Mills, Inc., Burlington, N. C. Men's hosiery. Serial No. 446,388; Oct. 21. Class 39.

Galen Company, Inc., The, Berkeley, Calif. Beverage consisting of milk supplemented with powdered caro, cocoa, and other ingredients. Serial No. 434,686; Oct. 21. Class 46.

Gallagher, Theodore J., Co. Inc., New York, N. Y. Rayon and silk piece goods. Serial No. 446,454; Oct. 21. Class 42.

Gleason Works, The, Rochester, N. Y. Gear cutting tools and blades therefor. Serial No. 446,427; Oct. 21. Class 23.

Goelitz Confectionery Co., North Chicago, Ill. Candy. Serial No. 445,152; Oct. 21. Class 46.

Goldsmith Bros., New York, N. Y. Drawing ink. Serial No. 446,390; Oct. 21. Class 11.

Grover, J. J., Shoe Company, Boston, Mass. Shoes. Serial No. 445,723; Oct. 21. Class 39.

Gulf Brewing Company, Houston, Tex. Lager beer. Serial No. 434,829; Oct. 21. Class 48.

Haggard & Marcusson Co., Chicago, Ill. Bed spring. Serial No. 446,519; Oct. 21. Class 32.

Hayes, James A., Yonkers, N. Y. Bread. Serial No. 442,903; Oct. 21. Class 46.

Helt-Ahrbecker, Inc., Indianapolis, Ind. Electrically operated phonograph record players and changers with and without radio. Serial No. 440,005; Oct. 21. Class 36.

Hermanos, Benegas, y Compañía Limitada Sociedad Anónima Industrial y Comercial, Buenos Aires, Argentina. Wines. Serial No. 445,915; Oct. 21. Class 47.

Hermanos, Peters, Compañía Comercial e Industrial S. A., Buenos Aires, Argentina. Wines and vermouth. Serial No. 441,709; Oct. 21. Class 47.

Hermanos, Peters, Compañía Comercial e Industrial S. A., Buenos Aires, Argentina. Alcoholic bitters, aperitives, liqueurs. Serial No. 441,710; Oct. 21. Class 49.

Hewitt Soap Company, Inc., The, Dayton, Ohio. Soap—namely, toilet soap. Serial No. 446,079; Oct. 21. Class 4.

Hillside Citrus Co., Inc., Riverside, Calif. Fresh citrus fruits. Serial No. 446,736; Oct. 21. Class 46.

Holland Rantos Co., Inc., New York, N. Y. Surgical masks and caps. Serial No. 446,925; Oct. 21. Class 44.

Holly-Min, Ltd., Los Angeles, Calif. Unguent which promotes healing, prevents destruction of tissue and alleviates pain. Serial No. 444,185; Oct. 21. Class 6.

Holman, A. J., Company, Philadelphia, Pa. Particular edition of the New Testament. Serial No. 446,573; Oct. 21. Class 38.

Hub-Henry C. Lytton & Sons, The, Chicago, Ill. Suits, overcoats, hats, neckties, etc. Serial No. 431,356; Oct. 21. Class 39.

Import Stylists, Inc., New York, N. Y. Knitted sweaters, hats, and twin sweater sets, etc. Serial No. 445,579; Oct. 21. Class 39.

Janssen, Lena, doing business as Janssen's Rural Poultry Farm and Hatchery, Zeeland, Mich. Baby chicks. Serial No. 446,025; Oct. 21. Class 46.

Joyce, Inc., Pasadena, Calif. Shoes. Serial No. 444,829; Oct. 21. Class 39.

Julia, Angel P., doing business as Cia Licorera Julia, Santurce, P. R. Rum. Serial No. 445,989; Oct. 21. Class 49.

Kasparian, Vartoohi, doing business as Diamond K Vineyards, assignor to Diamond K Vineyards, Inc., Exeter, Calif. Fresh grapes. Serial No. 414,195; Oct. 21. Class 46.

Kellogg Company, Battle Creek, Mich. Glass tableware. Serial No. 444,970; Oct. 21. Class 33.

Kraus Bros. & Co. Inc., New York, N. Y. Brandy. Serial No. 443,365; Oct 21. Class 49.

Lea Fabrics, Inc., Newark, N. J. Valve packing and cup-type packing for pumping machinery. Serial No. 446,523. Oct. 21. Class 35.

Leeds Ltd. Coats, Inc., New York, N. Y. Coats, suits, jackets, skirts, etc. Serial No. 446,297; Oct. 21. Class 39.

Levy Bros. China Co. Inc., New York, N. Y. China ware—namely, vases and dishes. Serial No. 427,106; Oct. 21. Class 30.

Lichtenstein, Ira, Baldwin, N. Y. Preparation for the relief of piles. Serial No 446,920; Oct. 21. Class 6.

Lovich, Ray K., Los Angeles, Calif. Printed bulletins. Serial No. 444,347; Oct. 21. Class 38.

Lubin-Weeker Co., Inc., New York, N. Y. Men's pajamas. Serial No. 439,818; Oct 21. Class 39.
Lufkin Rule Company, The, Saginaw, Mich. Measuring instruments, particularly measuring tapes. Serial No. 441,477; Oct. 21. Class 26.
Mack, Harold L., doing business as Mack Dental Co., Monterey, Calif. Dentrifice. Serial No. 446,921; Oct. 21. Class 6.
Maltine Company, The, New York, N. Y. Pharmaceutical preparation, more particularly vitamin and iron capsules. Serial No. 443,168; Oct. 21. Class 6.
Mantell, Herman, New York, N. Y. Hosiery. Serial No. 446,362; Oct. 21. Class 39.
Marionette, Inc., Lancaster, Pa. Children's dresses. Serial No. 446,432; Oct. 21. Class 39.
Megs Macaroni Company. (See Wolfe, Clarence W.)
Mid-West Abrasive Company, Detroit, Mich. Artificial abrasive stones. Serial No. 446,329; Oct 21. Class 4.
Moore Grocery Co., doing business as The Sledge Manufacturing Co., Tyler, Tex. Work shirts, jackets, trousers, and overalls. Serial No. 442,872; Oct. 21. Class 39.
Nahill Manufacturing Co., Inc., Arlington, N. J. Mechanical pencil Serial No. 439,602; Oct. 21. Class 37.
National Cash Register Company, The, Dayton, Ohio. Printing ink, ink pads for inking type and electros, ink applicators, etc. Serial Nos. 444,574–5; Oct. 21. Class 11.
News Map of the Week, Inc., Chicago, Ill. Periodical publication. Serial No. 429,369; Oct. 21. Class 38.
Novocol Chemical Mfg. Co., Inc., Brooklyn, N. Y. Hypnotics, particularly sodium ethyl 1 methyl butyl barbiturate. Serial No. 446,113; Oct. 21. Class 6.
Omar Incorporated, Omaha, Nebr. Corn meal, rye flour, and prepared pancake flour. Serial No. 446,278; Oct. 21. Class 46.
Parker Brothers Inc., Portland, Maine, and Salem, Mass. Game played with movable tiles. Serial No. 446,924; Oct. 21. Class 22.
Patricia Petticoat Co., Inc., The, New York, N. Y. Slips and petticoats. Serial No. 446,142; Oct. 21. Class 39.
Pelhan & Son, Louisville, Ky. Household cleanser. Serial No 433,044; Oct. 21. Class 4.
Penn Craft Hat Company, Philadelphia, Pa. Hats and caps. Serial No. 442,049; Oct. 21. Class 39.
Plastics Patents Trust, Dayton, Ohio. Plastic coated or finished articles such as drawer knobs, door knobs, etc. Serial No. 434,809; Oct. 21. Class 13.
Prince, Earl S., doing business as Prince Castles Company, Sterling, Ill. Hamburger sandwiches. Serial No. 441,059; Oct. 21. Class 46.
Printz-Biederman Company, The, Cleveland, Ohio. Wearing apparel, particularly coats, suits, and dresses. Serial No. 446,241; Oct. 21. Class 39.
Purdy Brush Company, Portland, Oreg. Paint brushes. Serial No. 416,697; Oct. 21. Class 29.
Rankin, J. P., Bakersfield, Calif. Ground beef and pork sandwiches. Serial No. 445,435; Oct. 21. Class 46.
Rasmussen Shoe Company, Westboro, Mass. Shoes. Serial No. 445,860; Oct. 21. Class 39.
Raygram Corporation, New York, N. Y. Photographic developers and fixer hardeners. Serial No. 446,243; Oct. 21. Class 6.
Royal Typewriter Company, Inc., New York, N. Y. Inking ribbons and carbon paper. Serial Nos. 446,401–2; Oct 21. Class 11.
Rumboll, Ernest A., Buenos Aires, Argentina. Leaflets, booklets, and advertising material sold as such. Serial No. 441,060; Oct. 21. Class 38.
Russell, Anna E., Greenwich, Conn. Cattle. Serial No. 446,305; Oct. 21. Class 46.
Schwarz, F. A. O., New York, N. Y. Jig-saw puzzles. Serial No. 446,638; Oct. 21. Class 22.
Selby Shoe Company, The, Portsmouth, Ohio. Shoes. Serial Nos. 445,534–5; Oct. 21. Class 39.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Medicinal and pharmaceutical preparations for internal use. Serial No. 446,065; Oct. 21. Class 6.
Shedd Products Company. (See Addison, Ben C.)
Sices & Rieger, Incorporated, Chicago, Ill. Ladies' cloth coats. Serial No. 443,860; Oct. 21. Class 39.
Silo, Estelle C. (Howe), doing business as James P. Silo, New York, N. Y. Household and office chairs, tables, desks, etc. Serial No. 442,571; Oct. 21. Class 32.
Simpson & Barker, Inc., St. Louis, Mo. Whiskey. Serial No. 443,173; Oct. 21. Class 49.
Sisson, George, doing business as Sisson Printing Company, Chicago, Ill. Greeting cards and printed announcements. Serial No. 445,437; Oct. 21. Class 38.
Sledge Manufacturing Co., The. (See Moore Grocery Co.)
Sosa, Jacinto, doing business as American Drug Exchange, Brooklyn, N. Y. Laxatives and cathartics for the relief of stomach distress, gas and hyperacidity. Serial No. 444,804; Oct. 21. Class 6.
South Carolina Peach Growers Association, Spartanburg, S. C. Canned peaches. Serial No. 445,756; Oct. 21. Class 46.
Standard Oil Company of New Jersey, Wilmington, Del. Refined petroleum for illuminating, heating, and power purposes, etc. Serial No. 446,375; Oct. 21. Class 15.
Star Expansion Bolt Company, New York, N. Y. Percussion twist drills and drill holders. Serial No. 445,673; Oct. 21. Class 23.
Swift and Company, Chicago, Ill. Lard. Serial No. 437,847; Oct. 21. Class 46.
Tardy, Susanne, doing business as French Art Silk Creations Co., New York, N. Y. Neckties, scarfs, bathrobes, shirts, etc. Serial No. 446,033; Oct. 21. Class 39.
Taylor Wine Company, The, Hammondsport, N. Y. Champagne wines. Serial No. 442,434; Oct. 21. Class 47.
Taylor Wine Company, The, Hammondsport, N. Y. Vermouth wines. Serial No. 442,435; Oct. 21. Class 47.
Taylor Wine Company, The, Hammondsport, N. Y. Wines. Serial No. 442,436; Oct 21. Class 47.
Taylor Wine Company, The, Hammondsport, N. Y. Vermouth wines. Serial No. 442,437; Oct. 21. Class 47.
Taylorcraft Aviation Corporation, Alliance, Ohio. Airplanes. Serial No. 445,161; Oct. 21. Class 19.
Tested Papers of America Inc., Chicago, Ill. Display racks. Serial No. 435,820; Oct. 21. Class 32.
United Buyers Corporation, Chicago, Ill. Publication. Serial No. 442,292; Oct. 21. Class 38.
United States Department of Agriculture, Washington, D. C. Live poultry and eggs. Serial No 444,848; Oct. 21. Class 46.
United States Harmonica Corporation, Greenwich, Conn. Harmonicas. Serial No. 442,886; Oct. 21. Class 36.
Usheo Manufacturing Company, Inc., Buffalo, N. Y. Upholstered sofas, couches and chairs. Serial No. 446,930; Oct. 21. Class 32.
Vanity Fair Silk Mills, Reading, Pa. Underwear, sleeping garments, hosiery, etc. Serial No. 445,762; Oct. 21. Class 39.
Vanity Fair Silk Mills, Reading, Pa. Nightgowns, pajamas, bed jackets, and dressing gowns. Serial No. 445,764; Oct. 21. Class 39.
Volume Sprayer Manufacturing Company, Inc., Tulsa, Okla. Games. Serial No. 446,309; Oct. 21. Class 22.
Wembley, Inc., New Orleans, La. Neckties and scarfs. Serial No. 445,540; Oct. 21. Class 39.
Wolfe, Clarence W., doing business as Megs Macaroni Company, Harrisburg, Pa. Macaroni, elbow macaroni, spaghetti, and egg noodles. Serial No. 424,611; Oct. 21. Class 46.
Woronock, David, and William Ansen, New York, N. Y. Ceramic table and cooking ware and ceramic jars and vases. Serial No. 435,337; Oct. 21. Class 30.

LIST OF REGISTRANTS OF TRADE-MARKS

All-American Comics, Inc., New York, N. Y. Magazine publication. 391,108; Oct. 21; Serial No. 444,484; published Aug. 12, 1941. Class 38.
Allen-Wales Adding Machine Corporation. (See Wales Adding Machine Company.)
Allied Stores Corporation, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash. Carpet sweepers. 391,032; Oct. 21; Serial No. 442,249; published Aug. 12, 1941. Class 23.
Aluminum Flake Company, Akron, Ohio. A finely-divided or pulverized clay product. 153,095; renewed Mar. 14, 1942.
American Apothecaries Company, New York, to American Apothecaries Company, Long Island City, N. Y. A general tonic and reconstructive. 152,112; renewed Feb. 21, 1942.
American Decalcomania Co., Inc., Chicago, Ill. Decalcomanias. 391,039; Oct. 21; Serial No. 432,371; published Aug. 12, 1941. Class 38.
American Floor Surfacing Machine Company, The, Toledo, Ohio. Floor-surfacing machines. 153,096; renewed Mar. 14, 1942.
American Piano Corporation, New York, N. Y. Pianos. 391,098; Oct. 21; Serial No. 444,371; published Aug. 12, 1941. Class 36.
American Pin Company, The, assignor to Scovill Manufacturing Company, Waterbury, Conn. Pins, safety-pins, and hooks and eyes. 147,747; renewed Nov. 1, 1941.
Anchor Packing Company, The, Philadelphia, Pa. Machinery packing. 391,118; Oct. 21; Serial No. 445,032; published Aug. 12, 1941. Class 35.
Appel, Robert, New York, N. Y. Handbags. 391,117; Oct. 21; Serial No. 445,004; published Aug. 12, 1941. Class 3.
Arden, Elizabeth, Sales Corporation, New York, N. Y. Toilet soaps. 391,115; Oct. 21; Serial No. 444,785; published Aug. 12, 1941. Class 4.
Atlantic Refining Company, The, Philadelphia, Pa. Burn-out games. 391,064–5; Oct. 21; Serial Nos. 442,821–2; published Aug. 12, 1941. Class 22.
Atlantic Refining Company, The, Philadelphia, Pa. Cleaner for automobile bodies. 391,091; Oct. 21; Serial No. 443,969; published Aug. 12, 1941. Class 4.

Atlantic Stamping Company, Rochester, N. Y. Wash tubs and wash boilers. 152,674; renewed Mar. 7, 1942.
Baby's Boudoir, Portland, Oreg. Knit diaper cloth, knit towels, knit wash clothes, etc. 391,062; Oct. 21; Serial No. 441,899; published Aug. 5, 1941. Class 42.
Baker, H. W., Linen Company, New York, N. Y. Face and bath towels. 391,093; Oct. 21; Serial No. 444,034; published Aug. 5, 1941. Class 42.
Baldwin Company, Inc., Atlantic City, N. J. Fountain pens and mechanical pencils. 391,132; Oct. 21. Class 37.
Belnap and Thompson, Inc., Chicago, Ill. Advertising material sold to the trade as such. 391,035; Oct. 21; Serial No. 424,231; published Aug. 12, 1941. Class 38.
Beneke Corporation, Columbus, Miss. Toilet seats. 391,133; Oct. 21. Class 13.
Better Products Company. (See Brewer, Raymond.)
Bianchini, Ferier, Lyon, France, assignor to Bianchini, Ferier, Inc., New York, N. Y. Piece goods of silk, wool, and cotton. 152,350; renewed Feb. 28, 1942.
Bon Marche. (See Allied Stores Corporation.)
Bosak Manufacturing Co., Scranton, Pa., by change of name to Gold Seal Manufacturing Company. Reconstructive tonic. 146,182; renewed Sept. 6, 1941.
Bowser, S. F., & Company, Incorporated, Fort Wayne, Ind. Measuring and dispensing apparatus. 391,061; Oct. 21; Serial No. 439,799; published Aug. 12, 1941. Class 26.
Brewer, Raymond, doing business as Better Products Company, Marion, Ind. Shoe laces, bobby pins, and combs, etc. 391,131; Oct. 21. Class 40.
Brog, Victor. (See Schneider, Emil D., assignor.)
Brown, Robert, doing business as Coffette Co., Long Island City and New York, N. Y. Soap. 391,057; Oct. 21; Serial No. 441,277; published Aug. 12, 1941. Class 4.
Brunswig Drug Co., Los Angeles, Calif. Whiskey. 391,121; Oct. 21. Class 49.
Centennial Mill Company, Seattle and Spokane, assignor to Centennial Flouring Mills Co., Seattle, Wash. Wheat flour. 152,705; renewed Mar. 7, 1942.
Central Paper Company, Menasha, Wis. Adding-machine paper. 152,366; renewed Feb. 28, 1942.
Chemical Paper Manufacturing Company, Holyoke, Mass. Index, check, ledger, envelope, and colored laid writing papers. 152,711; renewed Mar. 7, 1942.
Chemical Paper Manufacturing Company, Holyoke, Mass. Index, check, ledger, envelope, and colored laid writing papers. 152,712; renewed Mar. 7, 1942.
Chemical Paper Manufacturing Co., Holyoke, Mass. Manifold light-weight onion-skin paper. 152,713; renewed Mar. 7, 1942.
Coast Manufacturing & Supply Company, Livermore, Calif. Nonelectrical safety fuse. 153,138; renewed Mar. 14, 1942.
Coffette Co. (See Brown, Robert.)
Columbus Dental Manufacturing Company, The, Columbus, Ohio. Dental ceramic materials that are marketed as a complete kit. 391,040; Oct. 21; Serial No. 433,428; published Aug. 12, 1941. Class 44.
Converse Rubber Shoe Company, The, assignor to Converse Rubber Company, Malden, Mass. Boots and shoes made of rubber or fabric and rubber. 150,781; renewed Jan. 10, 1942.
Corro-Lith Corporation, New York, N. Y. Floor merchandise display bins and containers. 391,074; Oct. 21; Serial No. 443,398; published Aug. 12, 1941. Class 2.
Defender Photo Supply Co., Inc., Rochester, N. Y. Sensitized photographic paper. 152,745; renewed Mar. 7, 1942.
De Forest, Lee, Laboratories, Los Angeles, Calif. Ultra short wave and short wave diathermy devices. 391,095–6; Oct. 21; Serial Nos. 444,343–4; published Aug. 12, 1941. Class 44.
Deitrich, Epily C. (See Pittsburgh Applicator Co., assignor.)
De La Luz, Orden C., Tampa, Fla. Publication. 391,111; Oct. 21; Serial No. 444,578; published Aug. 12, 1941. Class 38.
Dow, Henry J., doing business as Trophy Radio Co., St. Paul, Minn. Radio receiving sets. 391,075–7; Oct. 21; Serial Nos. 443,406–8; published Aug. 12, 1941. Class 21.
E. & E. Manufacturing Company, Detroit, Mich. Portable and fixed fire escapes. 391,087; Oct. 21; Serial No. 443,806; published Aug. 5, 1941. Class 12.
Eisenberg, S., & Sons, New York, N. Y. Cotton fabrics in the form of piece goods. 153,158; renewed Mar. 14, 1942.
Ekstrom & Linne Baking Co., Chicago, Ill. Biscuits and crackers. 152,754; renewed Mar. 7, 1942.
Electric Arc Cutting and Welding Company, Newark, N. J., by change of name to Electric Arc, Inc. Electric welding-machines. 148,007; renewed Nov. 8, 1941.
Electric Arc, Inc. (See Electric Arc Cutting and Welding Company.)
Elliott, John R., Philadelphia, Pa. Instrument for checking the paces of marching persons. 391,052; Oct. 21; Serial No. 440,323; published Aug. 12, 1941. Class 26.
Esch, Walter H., Chicago, Ill. Compound used for cleaning boilers and hot water coils. 391,129; Oct. 21. Class 6.
First Textile Corporation, The, New York, N. Y. Velvet piece goods. 391,099; Oct. 21; Serial No. 444,403; published Aug. 5, 1941. Class 42.
Fitzpatrick Bros., Chicago, Ill. Soap. 151,757–9; renewed Feb. 14, 1942.
Fleischmann, E. M., Distilling Corporation, Lansdowne, Md. Whiskey. 391,124–6; Oct. 21. Class 49.
Flents Products Co. Inc., New York, N. Y. Compressible plug. 391,109; Oct. 21; Serial No. 444,493; published Aug. 12, 1941. Class 44.
Foerderer, Robert H., assignor to Robert H. Foerderer, Incorporated, Philadelphia, Pa. Shoes. 20,721; renewed Feb. 16, 1942.
Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 391,102–4; Oct. 21; Serial Nos. 444,443–5; published Aug. 5, 1941. Class 42.
Gallagher Fruit Company, San Jose, Calif. Fresh deciduous fruits. 391,046; Oct. 21; Serial No. 438,876; published Aug. 12, 1941. Class 46.
General Motors Corporation, Detroit, Mich. Anti-friction bearings and parts thereof. 391,045; Oct. 21; Serial No. 438,800; published Aug. 12, 1941. Class 23.
General Tire & Rubber Company, The, Akron, Ohio. Pneumatic tires. 391,119; Oct. 21; Serial No. 445,054; published Aug. 12, 1941. Class 35.
Gerard Publishing Co., The, New York, N. Y. Periodical. 391,081; Oct. 21; Serial No. 443,600; published Aug. 12, 1941. Class 38.
Glidden Company, The, Cleveland, Ohio. Publications released from time to time. 391,067; Oct. 21; Serial No. 442,901; published Aug. 12, 1941. Class 38.
Gold Seal Importers, Incorporated, New York, N. Y. Hand bags. 391,088; Oct. 21; Serial No. 443,880; published Aug. 12, 1941. Class 3.
Gold Seal Manufacturing Company. (See Bosak Manufacturing Co.)
Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Rubber heels and soles. 391,100; Oct. 21; Serial No. 444,407; published Aug. 12, 1941. Class 39.
Goodyear Tire & Rubber Company, The, Akron, Ohio. Tires composed wholly or principally of rubber and inner tubes therefor. 391,123; Oct. 21. Class 35.
Gorr, Carl, Printing Co., Chicago, Ill. Phonograph records. 391,059; Oct. 21; Serial No. 441,573; published Aug. 12, 1941. Class 36.
Greenfield Tap and Die Corporation, Greenfield, Mass. Thread-cutting taps. 149,084; renewed Dec. 6, 1941.
Greenfield Tap and Die Corporation, Greenfield, Mass. Tools and parts of machinery. 149,933; renewed Dec. 27, 1941.
Gross, Zoldo & Ronay Inc., New York, N. Y., by change of name to Benjamin & Edward J. Gross Co., Inc. Finger rings and mountings therefor. 152,803; renewed Mar. 7, 1942.
Guild of Prescription Opticians of America, Inc., Philadelphia, Pa. Lens cleaning fluid. 391,066; Oct. 21; Serial No. 442,846; published June 24, 1941. Class 4.
Hadfields Limited, Sheffield, England. Certain unwrought and partly-wrought steel products. 149,398; renewed Dec. 13, 1941.
Halowax Corporation, New York, N. Y. Plastic sealing compounds. 391,105; Oct. 21; Serial No. 444,451; published Aug. 12, 1941. Class 21.
Hamlin, Norman T., San Francisco, Calif. Flooring material and accessories therefor, and comprising blocks and connectors. 391,127; Oct. 21. Class 12.
Hammel, Riglander & Co., New York, N. Y., by changes of name to Hammel, Riglander & Co., Inc. Small metallic washers placed under clock and watch dials and known as "dial washers". 152,810; renewed Mar. 7, 1942.
Hartmann Trunk Company, Racine, Wis. Hand luggage cases, hat boxes, overnight cases, etc. 391,120; Oct. 21; Serial No. 445,055; published Aug. 12, 1941. Class 3.
Health Builders. (See Wheelan, Robert B.)
Heller, L., & Son, Inc., assignor to Heller Hope Company, Inc., New York, N. Y. Precious stones, viz, rubies, emeralds, and pearls. 148,431; renewed Nov. 15, 1941.
Herr, Max, Chicago, Ill. Fluorescent electric lamps. 391,033; Oct. 21; Serial No. 442,359; published Aug. 12, 1941. Class 21.
Hinckley & Schmitt, Chicago, Ill. Drinking water, ginger ale, root beer, and sarsparilla. 151,504; renewed Feb. 7, 1942.
Italian American Wine Co., Inc., New York, N. Y. Vermouth. 391,078; Oct. 21; Serial No. 443,569; published July 22, 1941. Class 47.
Jelenko, J. F., & Co., assignor to J. F. Jelenko & Co. Inc., New York, N. Y. Dental appliances. 151,150; renewed Jan. 24, 1942.
Jewett & Sowers Oil Company, The, Chicago, Ill. Motor-lubricating oils. 149,420; renewed Dec. 13, 1941.
Kelley Brothers Company, Minneapolis, Minn. Whiskey. 391,031; Oct. 21; Serial No. 420,008; published Aug. 1, 1939. Class 49.
Krauth & Benninghofen, Hamilton, Ohio. Music stands. 391,082; Oct. 21; Serial No. 443,606; published Aug. 12, 1941. Class 36.
Lang, Gerhard, Brewery, Buffalo, N. Y. Malt sirup, malt extract and malt beverages. 151,134; renewed Jan. 24, 1942.

Lewin-Mathes Company, East St. Louis, Ill. Metal tubes and tubing. 391,097; Oct. 21; Serial No. 444,345; published Aug. 12, 1941. Class 13.

Licensee, Inc., Washington, D. C. Periodical publication. 391,071; Oct. 21; Serial No. 443,214; published Aug. 12, 1941. Class 38.

Lincoln Wine Company and Embros Wine Company. (See Miglioretti Brothers.)

Loose-Wiles Biscuit Company, Long Island City, N. Y. Cakes, crackers, and biscuits. 147,789; renewed Nov. 1, 1941.

Loose-Wiles Biscuit Company, Kansas City, Mo. Candy. 148,803; renewed Nov. 29, 1941.

Loose-Wiles Biscuit Company. (See Tru-Blu Biscuit Company, assignor.)

Matthews, W. N., Corporation, St. Louis, Mo. Lightning protection devices. 391,110; Oct. 21; Serial No. 444,508; published Aug. 12, 1941. Class 21.

McGraw-Hill Publishing Company, Inc., New York, N. Y. Periodical published monthly. 391,134; Oct. 21. Class 38.

Memovox, Inc., Los Angeles, Calif. Plastic record blanks in disc form. 391,122; Oct. 21. Class 36.

Michigan Potato Growers' Exchange, Inc., Cadillac, Mich. Potatoes. 391,048; Oct. 21; Serial No. 439,203; published Aug. 12, 1941. Class 46.

Miglioretti Brothers, also doing business as Lincoln Wine Company and Embros Wine Company, Baltimore, Md. Wines. 391,056; Oct. 21; Serial No. 441,057; published Aug. 5, 1941. Class 47.

Muscat Co-Operative Winery Association, Kingsburg, Calif. Wines. 391,092; Oct. 21; Serial No. 444,008; published July 29, 1941. Class 47.

NEA Service, Inc., Cleveland, Ohio. Comic drawings. 391,112; Oct. 21; Serial No. 444,602; published Aug. 12, 1941. Class 38.

National Cash Register Company, The, assignor to The National Cash Register Company, Dayton, Ohio. Periodicals. 148,174; renewed Nov. 8, 1941.

National Needlecraft Bureau, New York, N. Y. Publication, a magazine on needlecraft published annually. 391,042; Oct. 21; Serial No. 434,993; published Aug. 12, 1941. Class 38.

National Ring Traveler Co., Pawtucket, R. I. Travelers for use on spinning and twisting rings. 391,106; Oct. 21; Serial No. 444,466; published Aug. 12, 1941. Class 23.

New York Canners, Inc., Rochester, N. Y., by change of name to Snider Packing Corporation. Canned fruits, vegetables, fruit jams and fruit preserves. 152,910; renewed Mar. 7, 1942.

New York Canners, Inc., Rochester, N. Y., by change of name to Snider Packing Corporation. Canned fruits and canned vegetables. 152,912; renewed Mar. 7, 1942.

New York Canners, Inc., Rochester, N. Y., by change of name to Snider Packing Corporation. Canned fruits and vegetables. 153,267; renewed Mar. 14, 1942.

No-Pans Washer Co. (See Walker, Edward.)

Nottebaum, Leopoldine. (See Noxon Chemical Products Co., assignor.)

Noxon Chemical Products Co., assignor, by mesne assignments, to Leopoldine Nottebaum, Newark, N. J. Cleaner polish for metals, glass, and porcelain. 153,269; renewed Mar. 14, 1942.

Oakland Canning Company, Oakland, Calif. Canned fruits, canned vegetables. 391,128; Oct. 21. Class 46.

Pacific Mills, Lawrence and Boston, to Pacific Mills, Lawrence, Mass. Cotton piece goods. 149,467; renewed Dec. 13, 1941.

Para Manufacturing Co., Inc., Newark, N. J. Shower curtains and matching window drapes. 391,113; Oct. 21; Serial No. 444,607; published Aug. 12, 1941. Class 13.

Patent Cereals Company, The, Geneva, N. Y. Breakfast cereals, hominy grits, flours, corn meal, corn oil, and salad and cooking oil. 152,935; renewed Mar. 7, 1942.

Peerless Carbon Black Company, The, Pittsburgh, Pa. Black carbon pigment. 391,058; Oct. 21; Serial No. 441,486; published Aug. 5, 1941. Class 16.

Perkins, B. F., & Son, Inc., Holyoke, Mass. Electric motor-driven fans. 153,275; renewed Mar. 14, 1942.

Pittsburgh Applicator Co., assignor to Eplly C. Dietrich, Pittsburgh, Pa. Combined shoe polish applicator and shoe brush. 391,038; Oct. 21; Serial No. 432,154; published Aug. 5, 1941. Class 29.

Poldi Steel Corporation of America, New York, N. Y., assignor to Poldihütte Aktiengesellschaft, Prague, Czechoslovakia. Steel, billets, bars, forgings, and disks. 150,058; renewed Dec. 27, 1941.

Poldihütte Aktiengesellschaft. (See Poldi Steel Corporation of America, assignor.)

Pollak, Henry, Inc., New York, N. Y. Millinery braids. 391,060; Oct. 21; Serial No. 441,628; published Aug. 5, 1941. Class 40.

Prescott, J. L., Company, New York, N. Y., to J. L. Prescott Company, Passaic, N. J. Laundry blue. 150,063; renewed Dec. 27, 1941.

Procter & Gamble Company, The, Cincinnati, Ohio. Vegetable fat and oil for puff pastry shortening. 391,072; Oct. 21; Serial No. 443,237; published Aug. 12, 1941. Class 46.

Quest Manufacturing Company, Chicago, Ill. Typewriter carbon paper and typewriter ribbons. 151,920; renewed Feb. 14, 1942.

Red Jacket Consolidated Coal and Coke Company, Red Jacket, W. Va., to Red Jacket Coal Corporation, Columbus, Ohio, successor. Coal and coke. 148,938; renewed Nov. 29, 1941.

Reichmuth, Anton, doing business as Tony's Winery and Grand Life Champagne Winery, San Francisco, Calif. Champagne. 391,061; Oct. 21; Serial No. 441,876; published July 15, 1941. Class 47.

Reliance Coal & Coke Company, The, Cincinnati, Ohio. Coal. 153,291; renewed Mar. 14, 1942.

Ripperger, Henrietta, Brooklyn, N. Y. Section or column appearing in a newspaper or periodical. 391,037; Oct. 21; Serial No. 428,561; published Aug. 12, 1941. Class 38.

Ritter Dental Manufacturing Company, Inc., Rochester, N. Y. Airplane dual control columns, tab controls, and pilot's rudder pedal assemblies. 391,083; Oct. 21; Serial No. 443,701; published Aug. 5, 1941. Class 19.

Ritter Dental Manufacturing Company, Inc., Rochester, N. Y. Miscellaneous electric coils and electric motors. 391,084; Oct. 21; Serial No. 443,702; published Aug. 12, 1941. Class 21.

Ruglatex Carpet Mills Company, Chicago, Ill. Rugs and carpets. 391,073; Oct. 21; Serial No. 443,269; published Aug. 5, 1941. Class 42.

Scheck-Loewe, Inc., New York, N. Y. Cotton piece goods. 391,135; Oct. 21. Class 42.

Schneider, Emil D., assignor to Victor Brog, Memphis, Tenn. Cold-creams, vanishing creams, toilet waters, hair-dressings, general and medicinal tonics. 146,864; renewed Sept. 20, 1941.

Scovill Manufacturing Company. (See American Pin Company, assignor.)

Sears, Roebuck and Co., Chicago, Ill. Curtains, draperies, drapery fabrics, etc. 391,044; Oct. 21; Serial No. 438,089; published Aug. 5, 1941. Class 42.

Sears, Roebuck and Co., Chicago, Ill. Venetian blinds and slip covers. 391,116; Oct. 21; Serial No. 444,945; published Aug. 12, 1941. Class 32.

Skouras, Constantine J., New York, N. Y. Wine. 391,053–4; Oct. 21; Serial Nos. 440,525–6; published July 1, 1941. Class 47.

Snider Packing Corporation. (See New York Canners, Inc.)

Sociedad Anonima Viñedos y Bodegas Arizu, Buenos Aires, Argentina. Wines. 391,049; Oct. 21; Serial No. 439,242; published July 1, 1941. Class 47.

South Imperial Valley Growers Cooperative Association, Inc., El Centro, Calif. Fresh vegetables, fresh deciduous fruits, and melons. 391,080; Oct. 21; Serial No. 443,957; published Aug. 12, 1941. Class 46.

Southern Silk Mills, Spring City, Tenn. Piece goods. 391,043; Oct. 21; Serial No. 436,707; published Aug. 5, 1941. Class 42.

Spaulding-Moss Company, Boston, Mass. Sensitized direct positive paper and cloth, sensitized blue print paper and cloth, etc. 391,034; Oct. 21; Serial No. 442,640; published Aug. 12, 1941. Class 26.

Spaulding-Moss Company, Boston, Mass. Litho prints. 391,094; Oct. 21; Serial No. 444,102; published Aug. 12, 1941. Class 38.

Spotswood Specialty Company, Lexington, Ky. Toys simulating lariats. 391,063; Oct. 21; Serial No. 442,806; published Aug. 12, 1941. Class 22.

Standard Milling Company, New York, N. Y. Wheat flour. 391,047; Oct. 21; Serial No. 439,129; published Aug. 12, 1941. Class 46.

Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Cleaning solvents. 391,114; Oct. 21; Serial No. 444,660; published Aug. 12, 1941. Class 4.

Star Expansion Bolt Company, New York, N. Y. Toggle bolts. 391,079; Oct. 21; Serial No. 443,586; published Aug. 12, 1941. Class 13.

Stubb Company, Brooklyn, N. Y. Beard softener and mentholated and medicated brushless shaving cream. 391,068; Oct. 21; Serial No. 442,920; published Aug. 12, 1941. Class 4.

Superior-Lawrence Bag Company, Middletown, Ohio. Paper bags. 391,107; Oct. 21; Serial No. 444,476; published Aug. 12, 1941. Class 2.

Taylor Instrument Companies, Rochester, N. Y. Clinical thermometers, thermometers, barometers, and compasses. 391,085; Oct. 21; Serial No. 443,785; published Aug. 12, 1941. Class 26.

Taylor Instrument Companies, Rochester, N. Y. Thermometers, barometers, altimeters, etc. 391,086; Oct. 21; Serial No. 443,786; published Aug. 12, 1941. Class 26.

Texas Company, The, Houston, Tex., and New York, N. Y., assignor to The Texas Company, New York, N. Y. Turpentine substitute. 150,138; renewed Dec. 27, 1941.

Texas Company, The, Houston and Port Arthur, Tex., and New York, N. Y., assignor to The Texas Company, New York, N. Y. Petroleum and certain named products thereof. 150,620; renewed Jan. 3, 1942.

Tony's Winery and Grand Life Champagne Winery. (See Reichmuth, Anton.)

Tower, A. J., Company, Boston, Mass. Waterproof coats. 147,420; renewed Oct. 11, 1941.

Toycraft Rubber Company, The, Ashland, Ohio. Certain named rubber toys. 151,981; renewed Feb. 14, 1942.

Tri-Valley Packing Association, San Francisco, Calif. Canned fruits and canned vegetables. 391,055; Oct. 21; Serial No. 440,891; published Aug. 12, 1941. Class 46.

Trophy Radio Co. (See Dow, Henry J.)

Tru-Blu Biscuit Company, assignor to Loose-Wiles Biscuit Company, Spokane, Wash. Biscuit and bakery products. 150,625–6; renewed Jan. 3, 1942.

Turbine Sewer Machine Company, Milwaukee, Wis. Gaskets. 391,036; Oct. 21; Serial No. 426,914; published Aug. 12, 1941. Class 35.

Uddo Taormina Corp., Brooklyn, N. Y. Peanut, cottonseed, corn oils, and olive oil. 391,090; Oct. 21; Serial No. 443,962; published Aug. 12, 1941. Class 46.

Unanue, P., New York, N. Y. Olive oil, vinegar, and Spanish capers. 391,069; Oct. 21; Serial No. 442,923; published Aug. 12, 1941. Class 46.

Vassar Swiss Underwear Co., Chicago, Ill., by change of name to Vassar Company. Knitted and woven union suits, vests, and drawers. 151,990; renewed Feb. 14, 1942.

Vernat, Inc., New York, N. Y. Vermouths. 391,080; Oct. 21; Serial No. 443,587; published July 22, 1941. Class 47.

Wales Adding Machine Company, Kingston, Pa., to Allen-Wales Adding Machine Corporation, New York, N. Y., successor. Adding, listing, and calculating machines. 134,199; renewed Aug. 17, 1940.

Walker, Edward, doing business as No-Pans Washer Co., Cliffside Park, N. J. Plumbing faucet and valve washers. 391,041; Oct. 21; Serial No. 433,747; published Aug. 12, 1941. Class 13.

Washington Growers Packing Corporation, Vancouver, Wash. Dried fruits. 146,907; renewed Sept. 20, 1941.

Wheelan, Robert B., doing business as Health Builders, New York, N. Y. Phonograph-record disks. 153,056; renewed March 7, 1942.

White, H. N., Company, The, Cleveland, Ohio. Wind instruments. 391,101; Oct. 21; Serial No. 444,429; published Aug. 12, 1941. Class 36.

Whitman, Clarence, & Son, Inc., Katonah and New York, by change of name to Clarence Whitman & Sons, Inc., New York, N. Y. Cotton sheets and pillowcases. 153,060; renewed Mar. 7, 1942.

Williams, William G., assignor to The Williams Mfg. Co., Inc., Elgin, Ill. Adjustable tables and parts thereof for use by doctors, surgeons, chiropractics, and osteopaths. 153,070; renewed Mar. 7, 1942.

Williamson Candy Company, Chicago, Ill. Candy. 152,550; renewed Feb. 28, 1942.

Wilson Metal Products Company, The, Columbus, Ohio. Extruded plastic moldings. 391,070; Oct. 21; Serial No. 443,178; published Aug. 5, 1941. Class 12.

Woolsulate, Incorporated, Salt Lake City, Utah. Thermal insulating material. 391,050; Oct. 21; Serial No. 439,766; published Aug. 5, 1941. Class 12.

Young, Luther A., University City, to Young Dental Manufacturing Company, St. Louis, Mo., successor. Dental polishers. 153,088; renewed Mar. 7, 1942.

Ziff-Davis Publishing Company, Chicago, Ill. Periodical. 391,130; Oct. 21. Class 38.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Clay product, A finely-divided or pulverized. Aluminum Flake Company. 153,095; renewed Mar. 14, 1942.

Coal. Reliance Coal & Coke Company. 153,291; renewed Mar. 14, 1942.

Coal and coke. Red Jacket Consolidated Coal and Coke Company. 148,938; renewed Nov. 29, 1941.

CLASS 2

Bags, Paper. Superior-Lawrence Bag Company. 391,107; Oct. 21; Serial No. 444,476; published Aug. 12, 1941.

Bins and containers, Floor merchandise display. Corro-Lith Corporation. 391,074; Oct. 21; Serial No. 443,398; published Aug. 12, 1941.

CLASS 3

Bags, Hand. Gold Seal Importers, Incorporated. 391,088; Oct. 21; Serial No. 443,880; published Aug. 12, 1941.

Handbags. R. Appel. 391,117; Oct. 21; Serial No. 445,004; published Aug. 12, 1941.

Luggage cases, hat boxes, overnight cases, Hand, etc. Hartmann Trunk Company. 391,120; Oct. 21; Serial No. 445,055; published Aug. 12, 1941.

CLASS 4

Beard softener and mentholated and medicated brushless shaving cream. Stubb Company. 391,068; Oct. 21; Serial No. 442,920; published Aug. 12, 1941.

Cleaner for automobile bodies. Atlantic Refining Company. 391,091; Oct. 21; Serial No. 443,969; published Aug. 12, 1941.

Cleaner polish for metals, glass, and porcelain. Noxon Chemical Products Co. 153,269; renewed Mar. 14, 1942.

Cleaning fluid, Lens. Guild of Prescription Opticians of America, Inc. 391,066; Oct 21; Serial No. 442,846; published June 24, 1941.

Cleaning solvents. Standard Oil Company of Calif. 391,114; Oct. 21; Serial No. 444,660; published Aug. 12, 1941.

Soap, R. Brown. 391,057; Oct. 21; Serial No. 441,277; published Aug. 5, 1941.

Soap. Fitzpatrick Bros. 151,757–9; renewed Feb. 14, 1942.

Soaps, Toilet. Elizabeth Arden Sales Corporation. 391,115; Oct. 21; Serial No. 444,785; published Aug. 12, 1941.

CLASS 6

Blue, Laundry. J. L. Prescott Company. 150,063; renewed Dec. 27, 1941.

Cold-creams, vanishing creams, toilet waters, hair-dressings, etc. E. D. Schneider. 146,864; renewed Sept. 20, 1941.

Compound used for cleaning boilers and hot water coils. W. H. Esch. 391,129; Oct. 21.

Tonic and reconstructive. General. American Apothecaries Company. 152,112; renewed Feb. 21, 1942.

Tonic, Reconstructive. Bosak Manufacturing Co. 146,182; renewed Sept. 6, 1941.

CLASS 9

Safety fuse, Nonelectrical. Coast Manufacturing & Supply Company. 153,138; renewed Mar. 14, 1942.

CLASS 11

Typewriter carbon paper and ribbons. Quest Manufacturing Company. 151,920; renewed Feb. 14, 1942.

CLASS 12

Fire escapes, Portable and fixed. E. & E. Manufacturing Company. 391,087; Oct. 21; Serial No. 443,806; published Aug. 5, 1941.

Flooring material and accessories therefor. N. T. Hamlin. 391,127; Oct. 21.

Insulating material, Thermal. Woolsulate, Incorporated. 391,050; Oct. 21; Serial No. 439,766; published Aug. 5, 1941.

Plastic moldings, Extruded. Wilson Metal Products Company. 391,070; Oct. 21; Serial No. 443,178; published Aug. 5, 1941.

CLASS 13

Bolts, Toggle. Star Expansion Bolt Company. 391,079; Oct. 21; Serial No. 443,586; published Aug. 12, 1941.

Curtains and matching window drapes, Shower. Para Manufacturing Co. 391,113; Oct. 21; Serial No. 444,607; published Aug. 12, 1941.

Metal tubes and tubing. Lewin-Mathes Company. 391,097; Oct. 21; Serial No. 444,345; published Aug. 12, 1941.

Plumbing faucet and valve washers. E. Walker. 391,041; Oct. 21; Serial No. 433,747; published Aug. 12, 1941.

Toilet seats. Beneke Corporation. 391,133; Oct. 21.

CLASS 14

Steel, billets, bars, forgings, and disks. Poldi Steel Corporation of America. 150,058; renewed Dec. 27, 1941.

Steel products, Certain unwrought and partly-wrought. Hadfields Limited. 149,398; renewed Dec. 13, 1941.

CLASS 15

Oils, Motor-lubricating. Jewett & Sowers Oil Company. 149,420; renewed Dec. 13, 1941.

Petroleum and certain named products thereof. Texas Company. 150,620; renewed Jan. 3, 1942.

CLASS 16

Black carbon pigment. Peerless Carbon Black Company. 391,058; Oct. 21; Serial No. 441,486; published Aug. 5, 1941.

Turpentine substitute. Texas Company. 150,138; renewed Dec. 27, 1941.

CLASS 19

Airplane dual control columns, tab controls, and pilots' rubber pedal assemblies. Ritter Dental Manufacturing Company. 391,083; Oct. 21; Serial No. 443,701; published Aug. 5, 1941.

CLASS 21

Electric coils and electric motors, Miscellaneous. Ritter Dental Manufacturing Company, Inc. 391,084; Oct. 21; Serial No. 443,702; published Aug. 12, 1941.

Electric motor-driven fans. B. F. Perkins & Son, Inc. 153,275; renewed Mar. 14, 1942.

Electric welding machines. Electric Arc Cutting and Welding Company. 148,007; renewed Nov. 8, 1941.
Lamps, Fluorescent electric. M. Herr. 391,033; Oct. 21; Serial No. 442,359; published Aug. 12, 1941.
Lightning protection devices. W. N. Matthews Corporation. 391,110; Oct. 21; Serial No. 444,508; published Aug. 12, 1941.
Radio receiving sets. H. J. Dow. 391,075–7; Oct. 21; Serial Nos. 443,406–8; published Aug. 12, 1941.
Sealing compounds, Plastic. Halowax Corporation. 391,105; Oct. 21; Serial No. 444,451; published Aug. 12, 1941.

CLASS 22

Games, Burn-out. Atlantic Refining Company. 391,064–5; Oct. 21; Serial Nos. 442,821–2; published Aug. 12, 1941.
Toys, Certain named rubber. Toycraft Rubber Company. 151,981; renewed Feb. 14, 1942.
Toys simulating lariats. Spotswood Specialty Company. 391,063; Oct. 21; Serial No. 442,800; published Aug. 12, 1941.

CLASS 23

Bearings and parts thereof, Anti-friction. General Motors Corporation. 391,045; Oct. 21; Serial No. 438,800; published Aug. 12, 1941.
Surfacing machines, Floor. American Floor Surfacing Machine Company. 153,096; renewed Mar. 14, 1942.
Sweepers, Carpet. Allied Stores Corporation. 391,032; Oct. 21; Serial No. 442,249; published Aug. 12, 1941.
Tape, Thread-cutting. Greenfield Tap and Die Corporation. 149,084; renewed Dec. 6, 1941.
Tools and parts of machinery. Greenfield Tap and Die Corporation. 149,933; renewed Dec. 27, 1941.
Travelers for use on spinning and twisting rings. National Ring Traveler Co. 391,106; Oct. 21; Serial No. 444,466; published Aug. 12, 1941.

CLASS 24

Tubs and wash boilers, Wash. Atlantic Stamping Company. 152,674; renewed Mar. 7, 1942.

CLASS 26

Adding, listing, and calculating machines. Wales Adding Machine Company. 134,199; renewed Aug. 17, 1940.
Clinical thermometers, thermometers, barometers, and compasses. Taylor Instrument Companies. 391,085; Oct. 21; Serial No. 443,785; published Aug. 12, 1941.
Instrument for checking the paces of marching persons. J. R. Elliott. 391,052; Oct. 21; Serial No. 440,323; published Aug. 12, 1941.
Measuring and dispensing apparatus. S. F. Bowser & Company. 391,061; Oct. 21; Serial No. 439,799; published Aug. 12, 1941.
Photographic paper, Sensitized. Defender Photo Supply Co. 152,745; renewed Mar. 7, 1942.
Sensitized direct positive paper and cloth, sensitized blue print paper and cloth, etc. Spaulding-Moss Company. 391,034; Oct. 21; Serial No. 442,640; published Aug. 12, 1941.
Thermometers, barometers, altimeters, etc. Taylor Instrument Companies. 391,086; Oct. 21; Serial No. 443,786; published Aug. 12, 1941.

CLASS 27

Washers, Small metallic. Hammel, Rigiander & Co. 152,810; renewed Mar. 7, 1942.

CLASS 28

Precious stones—viz, rubies, emeralds, and pearls, etc. L. Heller & Son, Inc. 148,431; renewed Nov. 15, 1941.
Rings and mountings therefor, Finger. Gross, Zoldo & Ronay Inc. 152,803; renewed Mar. 7, 1942.

CLASS 29

Shoe polish applicator and shoe brush, Combined. Pittsburgh Applicator Co. 391,038; Oct. 21; Serial No. 432,154; published Aug. 5, 1941.

CLASS 32

Venetian blinds and slip covers. Sears, Roebuck and Co. 391,116; Oct. 21; Serial No. 444,945; published Aug. 12, 1941.

CLASS 35

Gaskets. Turbine Sewer Machine Company. 391,036; Oct. 21; Serial No. 426,914; published Aug. 12, 1941.
Machinery packing. Anchor Packing Company. 391,118; Oct. 21; Serial No. 445,032; published Aug. 12, 1941.
Tires composed wholly or principally of rubber and inner tubes therefor. Goodyear Tire & Rubber Company. 391,123; Oct. 21.
Tires, Pneumatic. General Tire & Rubber Company. 391,119; Oct. 21; Serial No. 445,054; published Aug. 12, 1941.

CLASS 36

Music stands. Krauth & Benninghofen. 391,082; Oct. 21; Serial No. 443,606; published Aug. 12, 1941.
Phonograph records. Carl Gorr Printing Co. 391,059; Oct. 21; Serial No. 441,573; published Aug. 12, 1941.
Phonograph-record disks. R. B. Wheelan. 153,056; renewed Mar. 7, 1942.
Pianos. American Piano Corporation. 391,098; Oct. 21; Serial No. 444,371; published Aug. 12, 1941.
Record blanks in disc form, Plastic. Memovox, Inc. 391,122; Oct. 21.
Wind instruments. H. N. White Company. 391,101; Oct. 21; Serial No. 444,429; published Aug. 12, 1941.

CLASS 37

Paper, Adding-machine. Central Paper Company. 152,366; renewed Feb. 28, 1942.
Paper, Index, check, ledger, envelope, and colored laid writing. Chemical Paper Manufacturing Company. 152,711; renewed Mar. 7, 1942.
Paper, Manifold light-weight onion-skin. Chemical Paper Manufacturing Co. 152,713; renewed Mar. 7, 1942.
Papers, Index, check, ledger, envelope, and colored laid writing. Chemical Paper Manufacturing Company. 152,712; renewed Mar. 7, 1942.
Pens and mechanical pencils, Fountain. Baldwin Company, Inc. 391,132; Oct. 21.

CLASS 38

Advertising material sold to the trade as such. Belnap and Thompson, Inc. 391,035; Oct. 21; Serial No. 424,231; published Aug. 12, 1941.
Decalcomanias. American Decalcomania Co. 391,039; Oct. 21; Serial No. 432,371; published Aug. 12, 1941.
Drawings, Comic. Nea Service, Inc. 391,112; Oct. 21; Serial No. 444,602; published Aug. 12, 1941.
Periodical. Gerard Publishing Co. 391,081; Oct. 21; Serial No. 443,600; published Aug. 12, 1941.
Periodical. McGraw-Hill Publishing Company, Inc. 391,134; Oct. 21.
Periodical. Ziff-Davis Publishing Company. 391,130; Oct. 21.
Periodicals. National Cash Register Company. 148,174; renewed Nov. 8, 1941.
Prints, Litho. Spaulding-Moss Company. 391,094; Oct. 21; Serial No. 444,102; published Aug. 12, 1941.
Publication. O. C. De La Luz. 391,111; Oct. 21; Serial No. 444,578; published Aug. 12, 1941.
Publication. Licensee, Inc. 391,071; Oct. 21; Serial No. 443,214; published Aug. 12, 1941.
Publication, a magazine on needlecraft. National Needlecraft Bureau. 391,042; Oct. 21; Serial No. 434,993; published Aug. 12, 1941.
Publication, Magazine. All-American Comics, Inc. 391,108; Oct. 21; Serial No. 444,484; published Aug. 12, 1941.
Publications. Glidden Company. 391,067; Oct. 21; Serial No. 442,901; published Aug. 12, 1941.
Section or column appearing in a newspaper or periodical. H. Ripperger. 391,037; Oct. 21; Serial No. 428,561; published Aug. 12, 1941.

CLASS 39

Boots and shoes. Converse Rubber Shoe Company. 150,781; renewed Jan. 10, 1942.
Coats, Waterproof. A. J. Tower Company. 147,420; renewed Oct. 11, 1941.
Heels and soles, Rubber. B. F. Goodrich Company. 391,100; Oct. 21; Serial No. 444,407; published Aug. 12, 1941.
Shoes. R. H. Foerderer. 20,721; re-renewed Feb. 16, 1942.
Union suits, vests, and drawers, Knitted and woven. Vassar Swiss Underwear Co. 151,990; renewed Feb. 14, 1942.

CLASS 40

Millinery braids. Henry Pollak Inc. 391,060; Oct. 21; Serial No. 441,628; published Aug. 5, 1941.
Pins, safety-pins, and hooks and eyes. American Pin Company. 147,747; renewed Nov. 1, 1941.
Shoe laces, bobby pins, and combs, etc. R. Brewer. 391,131; Oct. 21.

CLASS 42

Curtains, draperies, drapery fabrics, etc. Sears, Roebuck and Co. 391,044; Oct. 21; Serial No. 438,089; published Aug. 5, 1941.
Fabrics in the form of piece goods, Cotton. S. Eisenberg & Sons. 153,158; renewed Mar. 14, 1942.
Knit diaper cloth, towels, wash clothes, etc. Baby's Boudoir. 391,062; Oct. 21; Serial No. 441,899; published Aug. 5, 1941.
Piece goods, Cotton. Pacific Mills. 149,467; renewed Dec. 13, 1941.
Piece goods. Southern Silk Mills. 391,043; Oct. 21; Serial No. 436,707; published Aug. 5, 1941.
Piece goods, Cotton. Scheck-Loewe, Inc. 391,135; Oct. 21.
Piece goods of silk, wool, and cotton. Bianchini, Ferier. 152,350; renewed Feb. 28, 1942.
Piece goods, Velvet. First Textile Corporation. 391,099; Oct. 21; Serial No. 444,403; published Aug. 5, 1941.
Piece goods, Woolen. Forstmann Woolen Co. 391,102–4; Oct. 21; Serial Nos. 444,443–5; published Aug. 5, 1941.

Rugs and carpets. Ruglatex Carpet Mills Company. 391,073; Oct. 21; Serial No. 443,269; published Aug. 5, 1941.
Sheets and pillowcases, Cotton. Clarence Whitman & Son, Inc. 153,060; renewed Mar. 7, 1942.
Towels, Face and bath. H. W. Baker Linen Company. 391,093; Oct. 21; Serial No. 444,034; published Aug. 5, 1941.

CLASS 44

Dental appliances. J. F. Jelenko & Co. 151,150; renewed Jan. 24, 1942.
Dental ceramic materials. Columbus Dental Manufacturing Company. 391,040; Oct. 21; Serial No. 433,428; published Aug. 12, 1941.
Dental polishers. L. A. Young. 153,088; renewed Mar. 7, 1942.
Diathermy devices, Ultra short wave and short wave. Lee De Forest Laboratories. 391,095–6; Oct. 21; Serial Nos. 444,343–4; published Aug. 12, 1941.
Plug, Compressible. Flents Products Co. Inc. 391,109; Oct. 21; Serial No. 444,493; published Aug. 12, 1941.
Tables and parts thereof for use by doctors, surgeons, etc., Adjustable. W. G. Williams. 153,070; renewed Mar. 7, 1942.

CLASS 45

Drinking water, ginger ale, root beer, and sarsaparilla. Hinckley & Schmitt. 151,504; renewed Feb. 7, 1942.

CLASS 46

Biscuit and bakery products. Tru-Blu Biscuit Company. 150,625–6; renewed Jan. 3, 1942.
Biscuits and crackers. Ekstrom & Linne Baking Co. 152,754; renewed Mar. 7, 1942.
Cakes, crackers, and biscuits. Loose-Wiles Biscuit Company. 147,789; renewed Nov. 1, 1941.
Candy. Loose-Wiles Biscuit Company. 148,893; renewed Nov. 29, 1941.
Candy. Williamson Candy Company. 152,550; renewed Feb. 28, 1942.
Canned fruits and canned vegetables. New York Canners, Inc. 152,912; renewed Mar. 7, 1942.
Canned fruits and canned vegetables. Tri-Valley Packing Association 391,055; Oct. 21. Serial No. 440,891; published Aug. 12, 1941.
Canned fruits, canned vegetables. Oakland Canning Company. 391,128; Oct. 21.
Canned fruits and vegetables. New York Canners, Inc. 153,267; renewed Mar. 14, 1942.
Canned fruits, vegetables, fruit jams, fruit preserves. New York Canners, Inc. 152,910; renewed Mar. 7, 1942.
Cereals, hominy grits, flours, corn meal, corn oil, and salad and cooking oil, Breakfast. Patent Cereals Company. 152,935; renewed Mar. 7, 1942.
Flour, Wheat. Centennial Mill Company. 152,705; renewed Mar. 7, 1942.
Flour, Wheat. Standard Milling Company. 391,047; Oct. 21. Serial No. 439,129; published Aug. 12, 1941.
Fruits, Dried. Washington Growers Packing Corporation. 146,907; renewed Sept. 20, 1941.
Fruits, Fresh deciduous. Gallagher Fruit Company. 391,046; Oct. 21. Serial No. 438,876; published Aug. 12, 1941.
Olive oil, vinegar, and spanish capers. P. Unanue. 391,069; Oct. 21. Serial No. 442,923; published Aug. 12, 1941.
Peanut, cottonseed, corn oils and olive oil. Uddo Taormina Corp. 391,090; Oct. 21. Serial No. 443,962; published Aug. 12, 1941.
Potatoes. Michigan Potato Growers' Exchange, Inc. 391,048; Oct. 21. Serial No. 439,203; published Aug. 12, 1941.
Vegetable fat and oil for puff pastry shortening. Procter & Gamble Company. 391,072; Oct. 21. Serial No. 443,237; published Aug. 12, 1941.
Vegetables, fresh deciduous fruits and melons, Fresh. South Imperial Valley Growers Co-Operative Association, Inc. 391,089; Oct. 21; Serial No. 443,957; published Aug. 12, 1941.

CLASS 47

Champagne. A. Reichmuth. 391,061; Oct. 21. Serial No. 441,876; published July 15, 1941.
Vermouth. Italian-American Wine Co., Inc. 391,078; Oct. 21. Serial No. 443,569; published July 22, 1941.
Vermouths. Vernat, Inc. 391,080; Oct. 21. Serial No. 443,587; published July 22, 1941.
Wine. C. J. Skouras. 391,053–4; Oct. 21. Serial Nos. 440,525–6; published July 1, 1941.
Wines. Miglioretti Brothers. 391,056; Oct. 21; Serial No. 441,057; published Aug. 5, 1941.
Wines. Muscat Co-Operative Winery Association. 391,092; Oct. 21. Serial No. 444,008; published July 29, 1941.
Wines. Sociedad Anonima Viñedos y Bodegas Arizu. 391,049; Oct. 21. Serial No. 439,242; published July 1, 1941.

CLASS 48

Malt sirup, extract, and beverages. Gerhard Lang Brewery. 151,134; renewed Jan. 24, 1942.

CLASS 49

Whiskey. Brunswig Drug Co. 391,121; Oct. 21.
Whiskey. E. M. Fleischmann Distilling Corporation. 391,124–6; Oct. 21.
Whiskey. Kelley Brothers Company. 391,031; Oct. 21; Serial No. 420,008; published Aug. 1, 1939.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 21ST DAY OF OCTOBER, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Bormann, Elisabeth, Berlin-Charlottenburg, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. High tension rubber insulated cable. Re. 21,926; Oct. 21.

Brace, Porter H., and C. S. Williams, Forest Hills, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electromagnetic testing system. Re. 21,927; Oct. 21.

Eaton Manufacturing Company. (See Voorhies, Carl and H. E., assignors.)

Madison, Ralph E., Detroit, Mich., and A. T. Saunders, Tulsa, Okla., assignors to Truscon Laboratories, Inc. Color treatment of concrete. Re. 21,928; Oct. 21.

Mathey, Alcide E. (See Scully, F. P., and Mathey.)

Metropolitan Device Corporation. (See Rypinski, Albert B., assignor.)

Rypinski, Albert B., Laurelton, N. Y., assignor to Metropolitan Device Corporation. Meter trough. Re. 21,929; Oct. 21.

Saunders, Arthur T. (See Madison, R. E., and Saunders.)

Scully, Frank P., Cambridge, and A. E. Mathey, Boston, assignors to Scully Signal Company, Cambridge, Mass. Audible signal device. Re. 21,930; Oct. 21.

Scully Signal Company. (See Scully, F. P., and Mathey, assignors.)

Siemens-Schuckertwerke Aktiengesellschaft. (See Bormann, Elisabeth, assignor.)

Truscon Laboratories, Inc. (See Madison, R. E., and Saunders, assignors.)

Voorhies, Carl, Detroit, and H. E. Voorhies, Grosse Pointe, Mich., assignors, by mesne assignments, to Eaton Manufacturing Company, Cleveland, Ohio. Tappet construction. Re. 21,931; Oct. 21.

Voorhies, Harry E. (See Voorhies, Carl and H. E.)

Westinghouse Electric & Manufacturing Company. (See Brace, P. H., and Williams, assignors.)

Williams, Clifton S. (See Brace, P. H., and Williams.)

LIST OF DESIGN PATENTEES

Abernethy, James, Seattle, Wash. Toy airplane model. 130,013; Oct. 21.

Arver, Laura, Aurora, Ill. Apron. 130,090; Oct. 21.

Barofsky, Jack, Los Angeles, Calif. Piano or similar article. 130,038; Oct. 21.

Bates, George F., Brooklyn, N. Y. Radio cabinet or the like. 130,055; Oct. 21.

Berger, Arthur M., New York, N. Y. Uniform. 130,106; Oct. 21.

Berger, Arthur M., New York, N. Y. Uniform. 130,107; Oct. 21.

Blackburn, Jasper, Webster Groves, Mo. Electrical connector. 130,039; Oct. 21.

Blatz, Francis J., Stapleton, N. Y. Combined ash tray and glass holder. 130,014; Oct. 21.

Boos, Joseph B., deceased, by L. R. Boos, Kansas City, Mo., executor. Wrench. 130,015; Oct. 21.

Boos, Lyal R., executor. (See Boos, Joseph B.)

Borden Company, The. (See Watson, John F., assignor.)

Burgess, Robert T., Holden, W. Va. Electric blasting fuse igniter. 130,062; Oct. 21.

Burton, Alice, St. Louis, Mo. Combination spoon and bottle cap remover. 130,056; Oct. 21.

Chandler, Edward S., Valley Stream, N. Y. Emblem pin. 130,063; Oct. 21.

Chernow, Michael, New York, N. Y. Bracelet. 130,016; Oct. 21.

Chernow, Michael, New York, N. Y. Bracelet. 130,017; Oct. 21.

Chernow, Michael, New York, N. Y. Bracelet. 130,018; Oct. 21.

Chicago Electric Manufacturing Company. (See Preston, Edward S., assignor.)

Cincinnati Ball Crank Company, The. (See Hand, Thomas L., assignor.)

Consolidated Aircraft Corporation. (See Laddon, Isaac M., assignor.)

Darvie, Bernard, New York, N. Y. Brooch or similar article. 130,081; Oct. 21.

Darvie, Bernard, New York, N. Y. Brooch or similar article. 130,091; Oct. 21.

Darvie, Bernard, New York, N. Y. Brooch or similar article. 130,092; Oct. 21.

Derham, Philip A., Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Container cap. 130,064; Oct. 21.

Digby Stores, Inc. (See Low, Lawrence, assignor.)

Di Rico, Frank, and A. Libertine, Quincy, Mass., assignors to Hub Folding Box Co., Boston, Mass. Folding bottle-carrier. 130,065; Oct. 21.

Dunn, Olivia A., Orange, N. J. Doll. 130,019; Oct. 21.

Edwards, Ellis H., Scarsdale, N. Y. Gynecologic instrument. 130,093; Oct. 21.

Eidinger, Otto, Chicago, Ill., assignor to Hydro-Tex Corporation. Clothes hamper. 130,066; Oct. 21.

Epstein, Alvin N., Chicago, Ill. Telephone holder. 130,067; Oct. 21.

Fatheriey, Robert E., New York, N. Y. Textile fabric. 130,094; Oct. 21.

Fein, Martin, New York, N. Y. Dress ensemble. 130,108; Oct. 21.

Fein, Martin, New York, N. Y. Dress. 130,109; Oct. 21.

Fein, Martin, New York, N. Y. Dress. 130,110; Oct. 21.

Fisch, Max, Brooklyn, N. Y. Novelty postcard box. 130,057; Oct. 21.

Foley, James P., Los Angeles, Calif. Electric fly swatter. 130,020; Oct. 21.

Frascino, Mario, New York, N. Y. Fur collar. 130,068; Oct. 21.

Friedman, Jane, New York, N. Y. Textile fabric. 130,095; Oct. 21.

Gaston, Sidney, New Rochelle, N. Y. Textile fabric. 130,102; Oct. 21.

Goeller, Erwin. (See Owen, S., and Goeller, assignor.)

Goldstein, Irving, New York, N. Y. Dress. 130,111; Oct. 21.

Halleck, Frank A., Oak Park, Ill., assignor to Sullivan Machinery Company. Compressor. 130,058; Oct. 21.

Hamilton, Fred P., Jr., Omaha, Nebr. Transit transfer. 130,021; Oct. 21.

Hand, Thomas L., assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio. Lubricator cabinet. 130,022; Oct. 21.

Hand, Thomas L., assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio. Lubricator cabinet. 130,023; Oct. 21

Hermann, Clare E. (See Murray, E. F., and Hermann.)

Harper, Kennard W., East Aurora, N. Y., assignor to Spencer Lens Company, Buffalo, N. Y. Spectroscope. 130,069; Oct. 21.

Hawkins, Guy W., Kansas City, Mo. Wrench. 130,024; Oct. 21.

Herr, Max, Chicago, Ill. Fluorescent lighting fixture. 130,059; Oct. 21.

Hub Folding Box Co. (See Di Rico, F., and Libertine.)

Hydro-Tex Corporation. (See Eidinger, Otto, assignor.)

Kilgariff, Andrew J., Pittsburgh, Pa. Advertising figure. 130,025; Oct. 21.

Kirst, Wilford J., Yonkers, N. Y. Frame for ladies' hand bags. 130,026; Oct. 21.

Koch, Roderic M., Evansville, Ind. Floral container. 130,027; Oct 21.

Kropp, Willis A., River Forest, assignor to Victor Adding Machine Company, Chicago, Ill. Adding machine casing. 130,070; Oct. 21.

Kurlash Company, Inc., The. (See Tuttle, W. R., and Stickel, assignors.)

Laddon, Isaac M., San Diego, Calif., assignor to Consolidated Aircraft Corporation. Flying boat. 130,040; Oct. 21.

Larsen, Chris H., Chicago, Ill. Hand bouquet holder or analogous article. 130,071; Oct. 21.

Leabo, Louis C., Kansas City, Mo. Restaurant building. 130,028; Oct. 21.

Leef, John H., Minneapolis, Minn. Garment pocket ironer. 130,029; Oct. 21.

Libertine, Angelo (See Di Rico, F., and Libertine.)

Low, Lawrence, assignor to Digby Stores, Inc., New York, N. Y. Pin or similar article. 130,072; Oct. 21.

Marshall & Meier. (See Worth, Cardross, assignor.)

Meyer, Maximilian C., Brooklyn, N. Y. Lipstick case. 130,030; Oct. 21.

Meyer, Maximilian C., Brooklyn, N. Y. Display stand. 130,041; Oct. 21.

Meyer, Maximilian C., Brooklyn, N. Y. Display stand. 130,042; Oct. 21.

Meyer, Maximilian C., Brooklyn, N. Y. Display stand. 130,043; Oct. 21.
Meyer, Maximilian C., Brooklyn, N. Y. Display stand. 130,044; Oct. 21.
Meyer, Maximilian C., Brooklyn, N. Y. Display stand 130,045; Oct. 21.
Meyer, Maximilian C., Brooklyn, N. Y. Display stand 130,046; Oct. 21.
Mir, David, New York, N. Y. Brooch or similar article. 130,082; Oct. 21.
Mir, David, New York, N. Y. Brooch or similar article. 130,096; Oct. 21.
Murray, Earl F., and C. E. Hermann, Minneapolis, Minn. Cigarette package holder. 130,031; Oct. 21.
National Nu Grape Company. (See Randall, Ony R., assignor.)
National Vulcanized Fibre Co. (See Reynolds, George C., assignor.)
Otto, Ferdinand P., assignor to Quaker Lace Company Incorporated, Philadelphia, Pa. Lace tablecloth. 130,047; Oct. 21.
Owen, Sidney, and E. Goeller, Lincoln, Nebr.; said Goeller assignor to said Owen. Necktie rack. 130,073; Oct. 21.
Park, Malcolm S., Mount Kisco, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine or similar article. 130,074; Oct. 21.
Philippe, Alfred, New York, N. Y. Bracelet. 130,083; Oct. 21.
Philippe, Alfred, New York, N. Y. Bracelet. 130,084; Oct. 21.
Philippe, Alfred, New York, N. Y. Earring or similar article. 130,085; Oct. 21.
Philippe, Alfred, New York, N. Y. Bracelet. 130,097; Oct. 21.
Philippe, Alfred, New York, N. Y. Bracelet. 130,098; Oct. 21.
Philippe, Alfred, New York, N. Y. Earring or similar article. 130,099; Oct. 21.
Pollock, Leo, New York, N. Y. Decorative illuminating device. 130,060; Oct. 21.
Preston, Edward S., Hinsdale, assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Fan propeller. 130,032; Oct. 21.
Quaker Lace Company. (See Otto, Ferdinand P., assignor.)
Quaker Lace Company. (See Waterfield, James, assignor.)
Quaker Lace Company. (See Wolf, William, assignor.)
Randall, Ony R., assignor to National Nu Grape Company, Inc., Atlanta, Ga. Bottle. 130,075; Oct. 21.
Reynolds, George C., St. Louis, Mo., assignor to National Vulcanized Fibre Co., Wilmington, Del. Kidney guard. 130,033; Oct. 21.
Roberts, Henry T., Cuba Township, assignor to J. P. Seeburg Corporation, Chicago, Ill. Cabinet for automatic phonograph. 130,034; Oct. 21.
Roberts, Henry T., Cuba Township, assignor to J. P. Seeburg Corporation, Chicago, Ill. Cabinet for automatic phonograph. 130,048; Oct. 21.
Rosenblum, Benjamin W., New York, N. Y. Textile fabric. 130,100; Oct. 21.
Rosenblum, Benjamin W., New York, N. Y. Textile fabric. 130,101; Oct. 21.
Rosenblum, Benjamin W., New York, N. Y. Textile fabric. 130,102; Oct. 21.
Rubin, Jack, New York, N. Y. Textile fabric 130,103; Oct. 21.
Rubin, Jack, New York, N. Y. Textile fabric. 130,104; Oct. 21.
Rubin, Jack, New York, N. Y. Textile fabric. 130,105; Oct. 21.
Schechter, Leo, New York, N. Y. Textile fabric. 130,049; Oct. 21.
Schultheiss, John P., assignor to R. F. Simmons Company, Attleboro, Mass. Watch bracelet strap. 130,112; Oct. 21.
Seeburg, J. P., Corporation. (See Roberts, Henry T., assignor.)
Simmons Company, R. F. (See Schultheiss, John P., assignor.)
Singer Manufacturing Company, The. (See Park, Malcolm S., assignor.)
Spaney, Alfred, New York, N. Y. Brooch or similar article. 130,086; Oct. 21.
Spaney, Alfred, New York, N. Y. Brooch or similar article. 130,087; Oct. 21.
Spaney, Alfred, New York, N. Y. Brooch or similar article. 130,088; Oct. 21.
Spaney, Alfred, New York, N. Y. Brooch or similar article. 130,089; Oct. 21.
Spencer Lens Company. (See Harper, Kennard W., assignor.)
Stickel, Charles W. (See Tuttle, W. R., and Stickel.)
Sullivan Machinery Company. (See Halleck, Frank A., assignor.)
Tuttle, William R., and C. W. Stickel, assignors to The Kurlash Company, Inc., Rochester, N. Y. Cosmetic container. 130,050; Oct. 21.
Ulrich, William P., Spokane, Wash. Game board. 130,035; Oct. 21.
Victor Adding Machine Company. (See Kropp, Willis A., assignor.)
Victor Metal Products Corporation. (See Derham, Philip A., assignor.)
Vondenbosh, Frederick J., Los Angeles, Calif. Automobile cooler. 130,076; Oct. 21.
Wandrey, Clarence W., Elmwood Park, assignor to Zenith Radio Corporation, Chicago, Ill. Escutcheon plate for automobile radio sets or the like. 130,036; Oct. 21.
Waterfield, Edith B., administratrix. (See Waterfield, James.)
Waterfield, James, deceased, by E. B. Waterfield, administratrix, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth or similar article. 130,061; Oct. 21.
Watson, John F., Maplewood, N. J., assignor to The Borden Company, New York, N. Y. Bottle. 130,077;
Weidner, Willy, New York, N. Y. Shoe sole or similar article. 130,078; Oct. 21.
Weinblum, Abraham, New York, N. Y. Veiling. 130,037; Oct. 21.
Weissenborn, Oscar E., Verona, N. J. Pencil ferrule. 130,051; Oct. 21.
Weller, Gladys W., New York, N. Y. Portable service table. 130,079; Oct. 21.
Wolf, William, assignor to Quaker Lace Company Incorporated, Philadelphia, Pa. Lace tablecloth. 130,052; Oct. 21.
Worth, Cardross, assignor to Marshall & Meier, New York, N. Y. Hat rack or similar article. 130,053; Oct. 21.
Wynkoop, Albro G., Piedmont, Calif. Food tray. 130,080; Oct. 21.
Young, Fred M., Racine, Wis. Radiator front. 130,054; Oct. 21.
Zenith Radio Corporation. (See Wandrey, Clarence W., assignor.)

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 21ST DAY OF OCTOBER, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott, Henry, East Orange, and W. C. Moodie, Montclair, N. J., assignors to The Calculagraph Company, New York, N. Y. Elapsed time recording device. 2,259,677; Oct. 21.
Abramson, Alvin A., assignor to Central States Paper & Bag Company, St. Louis, Mo. Manufacture of containers. 2,259,508; Oct. 21.
Abramson, Alvin A., assignor to Central States Paper & Bag Company, St. Louis, Mo. Container lid. 2,259,509; Oct. 21.
Adler, Lee E., Dallas, Tex. Repeater for telephone systems. 2,259,788; Oct. 21.
Ahnert, Max, assignor to Billeter & Klunz, Werkzeugmaschinenfabrik & Eisengiesserei, Aschersleben, Germany. Machine tool. 2,259,870; Oct. 21.
Aiken, David, Winnsboro, assignor of one-third to J. W. Douglass, Jr., Greenville, S. C. Toothbrush. 2,259,981; Oct. 21.
Akins, Clifford M., assignor to Marquette Manufacturing Co., Inc., Minneapolis, Minn. Hook for bumper jacks or the like. 2,259,789; Oct. 21.
Alesi, John. (See Fener, A., and Alesi.)
Alexander, Harold M., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Building unit. 2,259,718; Oct. 21.
Alexanderson, Ernst F. W., F. G. Patterson, and C. A. Nickle, Schenectady, N. Y., assignors to General Electric Company. Radio distance meter. 2,259,982; Oct. 21.
Alford, Andrew, San Mateo, Calif., assignor to Mackay Radio & Telegraph Company, New York, N. Y. Coupling arrangement for high frequency transmission systems. 2,259,510; Oct. 21.
Alkan, Robert, Paris, France. Automatic stabilizing arrangement for aircraft. 2,259,600; Oct. 21.
Allen, Clyve C., Wichita, Kans., assignor to Shell Development Company, San Francisco, Calif. Insecticide and repellent. 2,259,869; Oct. 21.
Allen, Earl H., Fanwood, assignor, by mesne assignments, to Condenser Development Corporation, Newark, N. J. Radio station selector. 2,259,719; Oct. 21.
Allis-Chalmers Manufacturing Company. (See Newhouse, Ray C., assignor.)
Amdal, Hans, Seattle, Wash. Apparatus for operating lifesaving buoys. 2,260,109; Oct. 21.
American Bosch Corporation. (See Hogeman, Hans, assignor.)
American Can Company. (See Davis, Ernest H., assignor.)
American Can Company. (See Robinson, John E., assignor.)
American Can Company. (See Taylor, Russell C., assignor.)
American Cyanamid & Chemical Corporation. (See Bonnett, Charles F., assignor.)
American Cyanamid Company. (See Anderson, G. W., and Roblin, Jr., assignors.)
American Cyanamid Company. (See Caldwell, William F., assignor.)
American Cyanamid Company. (See Crossley, M. L., and Shafer, assignors.)
American Cyanamid Company. (See Hill, William H., assignor.)
American Cyanamid Company. (See West, H. J., and Layman, assignors.)
American District Telegraph Company. (See Muehter, Manfred W., assignor.)
American Machine & Foundry Company. (See Arelt, Charles, assignor.)
American Machine and Foundry Company. (See Leary, James W., assignor.)
Amesbury, Robert R., Auburndale, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Nut and nut assembly. 2,259,720; Oct. 21.
Andersen, Arthur A., assignor to Breene-Taylor Engineering Corporation, Los Angeles, Calif. Internal combustion motor. 2,259,983; Oct. 21.
Andersen, Carl N., Wellesley Hills, Mass., assignor to Lever Brothers Company. Decolorizing oils. 2,259,968; Oct. 21.
Anderson, Dwight M., Cleveland Heights, Ohio. Vacuum breaking valve. 2,259,984; Oct. 21.
Anderson, George W., Stamford, and R. O. Roblin, Jr., Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Sulphonyl cyanamides. 2,259,721; Oct. 21.
Anderson, John. (See Ballard, S. A., and Anderson.)
Anderson, William W. (See Monson, L. T., and Anderson.)
Arelt, Charles, Richmond Hill, N. Y., assignor to American Machine & Foundry Company. Package stamper. 2,259,445; Oct. 21.
Aresee Company Inc. (See Walker, F. H., and Chandler, assignors.)
Arey, Ralph G., Swampscott, Mass., assignor to General Electric Company. Parking meter. 2,259,985; Oct. 21.
Armstrong, John H., and R. D. Tarr, Biddeford, Maine, assignors to Saco-Lowell Shops, Boston, Mass. Spinning and roving frame. 2,260,130; Oct. 21.
Arp, Ewald A., assignor to Tobin-Arp Manufacturing Company, Minneapolis, Minn. Machine for boring bearing shells. 2,260,158; Oct. 21.
Arrow-Hart & Hegeman Electric Company, The. (See Gates, Rowland F., assignor.)
Askue, Albert R. (See Penote, V. S., and Askue.)
Asper, Dennis C., Aspers, Pa. Abrasive ceramic granules. 2,259,601; Oct. 21.
Atchison, Leonard W., Schenectady, N. Y., assignor to General Electric Company. Refrigerator. 2,259,986; Oct. 21.
Atlantic Refining Company, The. (See Griesinger, W. K., and Bettman, assignors.)
Atwood, Wilfrid L., L. N. Jones, and H. L. Smith, Jr., Richmond, Va., assignors to The Bristol Company, Waterbury, Conn. Automatic control system. 2,260,131; Oct. 21.
Auditorium Conditioning Corporation. (See Seid, Herman, assignor.)
Auten, Jay C., Royal Oak, assignor to Chrysler Corporation, Highland Park, Mich. Windshield wiper. 2,259,790; Oct. 21.
Automatic Coinwrapping Machine Corporation. (See Millard, John S., assignor.)
Ayres, Arthur U., Chestnut Hill, assignor to The Sharples Corporation, Philadelphia, Pa. Purification of hydrogenated fatty oils. 2,259,540; Oct. 21.
Babcock & Wilcox Company, The. (See Stillman, Thomas B., assignor.)
Bacon, Hollis P., Cleveland Heights, and L. A. Eiben, assignors to Northern Blower Company, Cleveland, Ohio. Dust collector. 2,259,919; Oct. 21.
Badertscher, Dana K. (See Baits, S. G., and Badertscher.)
Badertscher, Darwin E. (See Berger, H. G., James, and Badertscher.)
Baer, Alvin H., South Orange, N. J. Ice making apparatus. 2,259,920; Oct. 21.
Bailey Meter Company. (See Johnson, Clarence, assignor.)
Baillie, Alfred J., Wyndmoor, Pa. Child's vehicle. 2,259,987; Oct. 21.
Baits, Stuart G., and D. K. Badertscher, Grosse Pointe Park, assignors to Hudson Motor Car Company, Detroit, Mich. Internal combustion engine. 2,260,132; Oct. 21.
Bake, Kurt, Zerbst, Anhalt, assignor to Junkers Flugzeug-und-Motorenwerke, A. G., Dessau, Dessau, Germany. Broaching tool. 2,259,969; Oct. 21.
Baker, David B., Riverside, C. R. Rogers, Oak Park, and W. O. Bechman, Chicago, Ill., assignors to International Harvester Company. Clutch control. 2,259,871; Oct. 21.
Baldeschwieler, Emile L., Cranford, and R. D. Chew, Elizabeth, N. J., assignors to Standard Oil Development Company. Flushing composition. 2,259,872; Oct. 21.
Baldwin, Alfred W., H. A. Piggott, and F. S. Statham, Blackley, Manchester, England, assignors to Imperial Chemical Industries. Manufacture of substituted amides. 2,259,602; Oct. 21.
Bales, James E., assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Locker structure. 2,259,722; Oct. 21.
Balinski, Benjamin S., Chicago, Ill. Automatic calendar. 2,259,603; Oct. 21.
Ball, Albert P., assignor to Briggs Manufacturing Company, Detroit, Mich. Ventilating window. 2,260,133; Oct. 21.
Ballard, John R., San Francisco, Calif. Air conditioning apparatus. 2,259,541; Oct. 21.
Ballard, Seaver A., and J. Anderson, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Alkylation process. 2,259,723; Oct. 21.
Ballmann, William H., Long Island City, N. Y. Body pad. 2,260,134; Oct. 21.
Balz, William G., and E. D. Clickner, assignors to Shakespeare Company, Kalamazoo, Mich. Fishing rod handle. 2,260,204; Oct. 21.

Banks, Daniel B., Drexel Hill, assignor to Sun Oil Company, Philadelphia, Pa. Heat exchanger. 2,259,604; Oct. 21.

Banks, George B., Billericay, England, assignor to Radio Corporation of America. Microphone. 2,259,511; Oct. 21.

Bany, Herman, Lansdowne, Pa., assignor to General Electric Company. Automatic control arrangement. 2,259,988; Oct. 21.

Barclay, William R. (See Kestell, T. A., and Barclay.)

Bargen, William J., Waukegan, Ill. Pedestal base structure. 2,260,241; Oct. 21.

Barnes, Carl E., Worcester, Mass., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Mixed anhydrides of formic acid and acrylic and the alpha substituted acrylic acids. 2,259,512; Oct. 21.

Barnes, Carl E., Worcester, Mass., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Inhibiting polymerization of unsaturated methylene compounds. 2,259,513; Oct. 21.

Barnes, Charles H., Nichols, Conn., assignor to Remington Arms Company, Inc. Firearm. 2,259,989; Oct. 21.

Barnhart, George E., Pasadena, Calif. Differential pressure indicator. 2,259,446; Oct. 21.

Barrett-Cravens Company. (See Harlan, Stephen O., assignor.)

Barrow, Alma M., Rigby, Idaho. Cow tail holder. 2,259,791; Oct. 21.

Barrows, Donald S., and G. F. Couch, assignors to The Symington-Gould Corporation, Rochester, N. Y. Journal box assembly. 2,259,447; Oct. 21.

Barrows, Donald S., and G. F. Couch, assignors to The Symington-Gould Corporation, Rochester, N. Y. Journal box assembly. 2,259,448; Oct. 21.

Bartholow, Cecil D., Huron, S. Dak. Road sweeper. 2,259,724; Oct. 21.

Bartholomew, James H., Warsaw, N. Y. Collective control system. 2,259,449; Oct. 21.

Batcheller, Hugh W., Newton, assignor to Standard Mfg. Co., Worcester, Mass. Reversing switch and rheostat. 2,259,792; Oct. 21.

Battelle Memorial Institute. (See Harder, Oscar E., assignor.)

Baumann, Karl, Wilmslow, England, assignor to General Electric Company. Valve. 2,259,990; Oct. 21.

Baumgartner, Heinrich, Furthweg, Vienna, Germany, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Indicator tube circuit. 2,259,873; Oct. 21.

Baun, Hermann E., Indianapolis, Ind. Apparatus for controlling movement of knitting machine carrier friction boxes. 2,260,162; Oct. 21.

Baxendale, Samuel, Dearborn, assignor to Modern Collet & Machine Company, Ecorse, Mich. Stock feeder for hollow spindle machine tools. 2,259,605; Oct. 21.

Bayer, Anna, and G. A. Manning, New York, N. Y. Vehicle tire. 2,260,205; Oct. 21.

Bayerische Motoren Werke Aktiengesellschaft. (See Schleicher, Rudolf, assignor.)

Bayne, Richard A., Detroit, Mich. Ice block forming and dispensing device. 2,260,159; Oct. 21.

Bazzoni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Shielding device. 2,259,450; Oct. 21.

Beardslee, Arthur C., Arcade, and G. W. Wilson, Watertown, assignors to The Borden Company, New York, N. Y. Drying apparatus. 2,259,606; Oct. 21.

Bechman, William O. (See Baker, D. B., Rogers, and Bechman.)

Beecher, John W., assignor to The Bristol Company, Waterbury, Conn. Venting device for seals in liquid measuring systems. 2,260,135; Oct. 21.

Bell, Ray W., Hot Springs, Ark., assignor to Bel-Ray, Incorporated. Furnace block, arch, and wall. 2,260,242; Oct. 21.

Bell Telephone Laboratories, Incorporated. (See Benning, H. H., and Leibe, assignors.)

Bell Telephone Laboratories, Incorporated. (See Branson, David E., assignor.)

Bell Telephone Laboratories, Incorporated. (See Curl, Herbert C., assignor.)

Bell Telephone Laboratories, Incorporated. (See Flanders, Paul B.)

Bell Telephone Laboratories, Incorporated. (See Hearn, Richard B., assignor.)

Bell Telephone Laboratories, Incorporated. (See Koerner, Lawrence F., assignor.)

Bell Telephone Laboratories, Incorporated. (See Mason, Warren P., assignor.)

Bell Telephone Laboratories, Incorporated. (See McLean, David A., assignor.)

Bell Telephone Laboratories, Incorporated. (See Pollard, Charles E., assignor.)

Bell Telephone Laboratories, Incorporated. (See Vella, Alton C., assignor.)

Bell Telephone Laboratories, Incorporated. (See Wente, Edward C., assignor.)

Bellavance, Paul J., Attleboro, Mass. Bracelet or the like. 2,259,542; Oct. 21.

Bellinghieri, Santo, Foston, Mass. Pipe seasoner and rejuvenator. 2,260,206; Oct. 21.

Bel-Ray, Incorporated. (See Bell, Ray W., assignor.)

Bendix Aviation Corporation. (See Chappell, R. R., and Colt, assignors.)

Bendix Aviation Corporation. (See Rylsky, Gregory V., assignor.)

Benjamin, Bert R., Oak Park, Ill., assignor to International Harvester Company. Agricultural implement. 2,259,874; Oct. 21.

Bennett, Edward H., Toledo, Ohio, assignor to Libbey Glass Company. Spindle jaw and blank cooling apparatus. 2,259,991; Oct. 21.

Bennett, Willard H., Newark, Ohio, assignor to Slayter Electronic Corporation. Method and apparatus for electric discharge. 2,259,451; Oct. 21.

Benning, Harvey H., Lincoln Park, N. J., and F. A. Leibe, Quakertown, Pa., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Location and identification of faults in signaling transmission systems. 2,260,160; Oct. 21.

Bent, Franklin A., and A. G. Loomis, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Treating oil and gas wells. 2,259,875; Oct. 21.

Benzick, Alexander, Milwaukee, assignor to Nash Kelvinator Corporation, Kenosha, Wis. Hinge. 2,259,970; Oct. 21.

Berg, Quentin, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,260,207; Oct. 21.

Bergan, Martin D., Westfield, assignor to The Thomas & Betts Co., Elizabeth, N. J. Electrical grounding connector. 2,260,136; Oct. 21.

Berger, Henry G., W. H. James, and D. E. Badertscher, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Mineral oil composition and improving agent therefor. 2,259,452; Oct. 21.

Berland, Antoine, San Quentin, Calif. Frog feeding device. 2,259,876; Oct. 21.

Berthold, Albert F., assignor of fifty per cent to C. C. Potter, Pottstown, Pa. Defect finder and stop for circular knitting machines. 2,259,607; Oct. 21.

Bettman, Bernard. (See Griesinger, W. K., and Bettman.)

Beyer, Walter O., and T. R. Tarn, Pittsburgh, Pa. Coupling unit. 2,259,453; Oct. 21.

Billeter & Klunz, Werkzeugmaschinenfabrik & Eisengiesserei. (See Ahnert, Max, assignor.)

Billings, Howard J., Acton, Mass., assignor, by mesne assignments, to The Cream of Wheat Corporation, Minneapolis, Minn. Fortified cereal. 2,259,543; Oct. 21.

Binks Manufacturing Company. (See Erikson, Harry, assignor.)

Binnon, Georges, Paris, France, assignor to The Food Dispenser Company. Dispenser and support therefor. 2,259,992; Oct. 21.

Bissell Carpet Sweeper Company. (See Hall, W. G., and Pullen, assignors.)

Black and Decker Manufacturing Company, The. (See Decker, Alonzo G., Jr., assignor.)

Black and Decker Manufacturing Company, The. (See Wilhide, Glenn C., assignor.)

Black, George A., W. R. Lancaster, and P. Dahl, Pine Grove, Calif. Ash tray. 2,259,793; Oct. 21.

Black, John F., assignor to Circo Products Company, Cleveland, Ohio. Portable solvent degreaser. 2,259,544; Oct. 21.

Black, John F., assignor to Circo Products Company, Cleveland, Ohio. Portable degreasing apparatus. 2,259,545; Oct. 21.

Black, John F., assignor to Circo Products Company, Cleveland, Ohio. Apparatus for degreasing and coating hollow metal bodies. 2,259,546; Oct. 21.

Blackburn, Philip W., East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Trigger for discharge devices. 2,259,947; Oct. 21.

Blackhawk Mfg. Co. (See Pfauser, Edward M., assignor.)

Blankshain, Harold H., Chicago, Ill. Transmission for outboard motors. 2,259,921; Oct. 21.

Blattner, Emil H., assignor to The Symington-Gould Corporation, Rochester, N. Y. Side bearing. 2,259,608; Oct. 21.

Blaw-Knox Company. (See Leckrone, Roy J., assignor.)

Blaw-Knox Company. (See Loxterman, Henry R., assignor.)

Block, Robert. (See Sommers, A. L., and Block.)

Blodgett, Clarence M., New York, N. Y. Picture frame. 2,259,434; Oct. 21.

Blohm, Sophus T., Portland, Oreg. Device for lawn development. 2,260,110; Oct. 21.

Blood, Louis H., Covington, Ky., assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Arbor support and harness structure. 2,260,098; Oct. 21.

Blow, Arthur E., et al. (See Dautrick, Owen L., assignor.)

Boddy, Edwin H., Erie, Pa., assignor to General Electric Company. Refrigerator cabinet. 2,259,993; Oct. 21.

Boersch, Hans, Berlin-Charlottenburg, and E. Brüche, and H. Mahl, Berlin-Reinickendorf, Germany, assignors to General Electric Company. Electron microscope. 2,259,994; Oct. 21.

Bohlander, Chester P., Pritchett, Colo. Flywheel rotating tool. 2,259,922; Oct. 21.

Bohnenblust, Alvin A., Kansas City, Kans., assignor, by mesne assignments, to Kansas City Broom Company, Kansas City, Mo. Mop. 2,259,725; Oct. 21.

Boldt, Werner F., Clayton, assignor to Wagner Electric Corporation, St. Louis, Mo. Braking and steering mechanism. 2,259,794; Oct. 21.

Bolger, Bouwe. (See Ruys, J. D., and Bolger.)

Bolton, Walter G., Foxboro, Mass. Oar. 2,259,678; Oct. 21.

Bonnet, Charles F., Monrovia, Calif., assignor to American Cyanamid & Chemical Corporation, New York, N. Y. Breaking petroleum emulsions. 2,259,995; Oct. 21.

Booher, Herbert S. (See Ernst, W., Shaw, Pocock, and Booher.)

Boor, Ladislav, New Canaan, Conn. Adjustable filter holder. 2,260,208; Oct. 21.

Boos, Wilfred J., assignor to Walk-Easy Foot Rest Manufacturing Company, St. Louis, Mo. Orthopedic appliance. 2,260,270; Oct. 21.

Booth, Alexander, Baltimore, Md. Dauber. 2,259,547; Oct. 21.

Borden Company, The. (See Beardslee, A. C., and Wilson, assignors.)

Borgadt, John B., East Cleveland, Ohio. Electrical connection. 2,260,209; Oct. 21.

Borglin, Joseph N., assignor to Hercules Powder Company, Wilmington, Del. Producing refined, noncrystallizable rosin. 2,259,726; Oct. 21.

Bourne, Roland B., West Hartford, assignor to The Maxim Silencer Company, Hartford, Conn. Visual tip for vibrating indicators. 2,260,210; Oct. 21.

Bowers, Harold E., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Tempering glass. 2,259,727; Oct. 21.

Bowers, Thomas A., assignor to Power Research Corporation, Boston, Mass. Oil ring structure. 2,259,548; Oct. 21.

Boyd, John E., Jr. (See Burgess, B. C., and Boyd.)

Boyd, William W., Tulsa, Okla., assignor to "Flexitallic" Gasket Company, Camden, N. J. Gasket. 2,259,609; Oct. 21.

Braden, Rene A., Collingswood, N. J., assignor to Radio Corporation of America. Superregenerative magnetron receiver. 2,259,549; Oct. 21.

Branson, David E., River Edge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electromagnetic device. 2,259,514; Oct. 21.

Brant, David O., Canoga Park, Calif. Shaving appliance. 2,259,996; Oct. 21.

Braun-Knecht-Heimann Co. (See Smith, Bryan H., Jr., assignor.)

Braun, William F. H., Wynnewood, Pa. Molding machine. 2,260,161; Oct. 21.

Bray, A. O., Company. (See Neill, Harvey, assignor.)

Breene-Taylor Engineering Corporation. (See Andersen, Arthur A., assignor.)

Brewster Aeronautical Corp. (See Gwinn, Joseph M., Jr., assignor.)

Brewster, Morris B., Co. Inc. (See Turner, Guilford S., assignor.)

Brewster, Morris B., Co. (See Wright, William, assignor.)

Bridges, Donald A., Muncie, Ind., assignor to Owens-Illinois Glass Company. Apparatus for making hollow glass building blocks. 2,259,728; Oct. 21.

Briggs Manufacturing Company. (See Ball, Albert P., assignor.)

Briggs Manufacturing Company. (See Hathawny, Edward R., assignor.)

Briggs Manufacturing Company. (See Marshall, William, assignor.)

Briggs Manufacturing Company. (See Prance, Alvin W., assignor.)

Briggs Manufacturing Company. (See Wetzel, Edward A., assignor.)

Briggs Manufacturing Company. (See Zablocki, Eugene C., assignor.)

Briskin, Theodore, assignor to Excel Auto Radiator Company, Chicago, Ill. Windshield heater. 2,259,550; Oct. 21.

Bristol Company, The. (See Atwood, W. L., Jones, and Smith, assignors.)

Bristol Company, The. (See Beecher, John W., assignor.)

Brixner, Frederick W. (See Hailes, W. D., and Brixner.)

Brooks, Walter. (See Croft, C. M., Seymour, and Brooks.)

Brower, Homer H., Oakland, Calif. Apparatus for separating multiple invoices and carbons. 2,259,795; Oct. 21.

Brown and Sharpe Manufacturing Company. (See Renier, William S., assignor.)

Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Shuttle box. 2,259,997; Oct. 21.

Brown, George M., Scotia, N. Y., assignor to General Electric Company. Automatic gain controlled amplifier. 2,259,998; Oct. 21.

Brown, Myron J., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Tuning unit for choke coils. 2,260,163; Oct. 21.

Brown, Myron J., and E. T. Hughes, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Double-frequency resonant choke coil. 2,260,164; Oct. 21.

Brüche, Ernst. (See Boersch, H., Brüche, and Mahl.)

Brunner, Albert. (See Schnell, S., and Brunner.)

Bryant, Frank D., Stratford, and W. R. Young, Fairfield, Conn., assignors to General Electric Company. Angle adapter. 2,259,999; Oct. 21.

Bryson, Will H., assignor of fifty-five per cent to L. S. Dougan, Columbus, Ohio. Removable and replaceable traffic marker. 2,259,610; Oct. 21.

Buckeye Forging Company, The. (See Meek, John B., assignor.)

Buckeye Steel Castings Company, The. (See Johnson, G. T., and Wolfe, assignors.)

Buffalo Electro-Chemical Company. (See Noder, Anna, assignor.)

Bullard Company, The. (See Bullard, Edward P., III, assignor.)

Bullard, Edward P., III, Fairfield, Conn., assignor to The Bullard Company. Indexing mechanism for machine tools. 2,259,948; Oct. 21.

Burger, George M., Detroit, Mich. Drill. 2,259,611; Oct. 21.

Burgess, Blandford C., and J. E. Boyd, Jr., Spruce Pine, N. C., assignors to Feldspathic Research Corporation, New York, N. Y. Ceramic composition. 2,260,000; Oct. 21.

Burke, Mark P., Long Beach, Calif. Fluid lift. 2,259,949; Oct. 21.

Burke, Myles J., Jersey City, N. J. Exercising horse. 2,259,551; Oct. 21.

Burke, William O. (See North, E. W., and Burke.)

Burkhardt, George R., Chicago, Ill. Torsion-resisting rail. 2,260,211; Oct. 21.

Burnside, James H., II, assignor to Circuit Breakers, Inc., New York, N. Y. Circuit breaker. 2,259,454; Oct. 21.

Burtnett, Edith G. (See Burtnett, Everett R., assignor.)

Burtnett, Everett R., assignor of one-third to E. G. Burtnett, Los Angeles, Calif. Automatic change speed transmission. 2,259,729; Oct. 21.

Burtnett, Everett R., assignor of one-half to E. G. Burtnett, Los Angeles, Calif. Multiclutch mechanism. 2,259,730; Oct. 21.

Burtnett, Everett R., assignor of one-half to E. G. Burtnett, Los Angeles, Calif. Transmission mechanism. 2,259,731; Oct. 21.

Burtnett, Everett R., assignor of one-half to E. G. Burtnett, Los Angeles, Calif. Power transmitting mechanism. 2,259,732; Oct. 21.

Burtnett, Everett R., assignor of one-half to E. G. Burtnett, Los Angeles, Calif. Transmission mechanism. 2,259,733; Oct. 21.

Bushby, David, assignor to The Vacuum Air Pressure Company Limited, Regina, Saskatchewan, Canada. Piston and liner. 2,260,001; Oct. 21.

Bush, A. G. (See Criner, Harry J., assignor.)

Byrne, Aelred A., and J. C. Carey, Louisville, Ky. Truck and trailer control. 2,259,923; Oct. 21.

Cadwell, Leon L. (See Williams, B. E., and Cadwell.)

Cahn, Frank J. (See Harris, B. R., and Cahn.)

Calculagraph Company, The. (See Abbott, H., and Moodie, assignors.)

Caldwell, William F., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Apparatus for conducting chemical reactions at constant temperature. 2,260,111; Oct. 21.

Calhoun, Ernest N., assignor to E. L. Wiegand, Pittsburgh, Pa. Heating means. 2,260,165; Oct. 21.

Callahan Can Machine Co. (See Knutsen, B., and Quis, assignors.)

Canister Company, The. (See Morgan, H. W., and Wakefield, assignors.)

Carbide and Carbons Chemicals Corporation. (See Eversole, J. F., and Plewes, assignors.)

Carborundum Company, The. (See Houchins, Henry R., assignor.)

Carey, James C. (See Byrne, A. A., and Carey.)

Carey, Philip, Manufacturing Company, The. (See Lundberg, J. L., Smith, and Snyder, assignors.)

Cary, Philip E., Chicago, Ill. Control system. 2,259,877; Oct. 21.

Carmody, Michael A., assignor of one-half to H. Schaefer, Jr., Buffalo, N. Y. Automatically coupling tractor-semitrailer combinations. 2,259,612; Oct. 21.

Caro, Gottfried, Bitterfeld, A. Rieche, Wolfen, Kreis Bitterfeld, W. Rudolph, Bitterfeld, and H. Wassenegger, Desau in Anhalt, Germany. Manufacture of water-insoluble artificial resins. 2,259,455; Oct. 21.

Carpenter, Morris T., assignor to Standard Oil Company, Chicago, Ill. Catalyst purging. 2,259,486; Oct. 21.

Carrier Corporation. (See Cunningham, Thomas M., assignor.)

Carter, Edward V., Huntington, W. Va. Sign. 2,259,679; Oct. 21.

Casco Products Corporation. (See Johnson, Arthur A., assignor.)

Castings Patent Corporation. (See Hagemeyer, Henry F., assignor.)

Castleton, W. A. (See Lucas, Joseph E., assignor.)

Caterpillar Tractor Co. (See Gustafson, Carl A., assignor.)

Caudell, William S., Toccoa, Ga. Workman's protective hood. 2,259,680; Oct. 21.

Celanese Corporation of America. (See Croft, C. M., Seymour, and Brooks, assignors.)

Cellulose Research Corporation, The. (See Goff, L. E., and Lopata, assignors.)
Central Soya Company. (See Kruse, N. F., and Soldner, assignors.)
Central States Paper & Bag Company. (See Abramson, Alvin A., assignor.)
Cerveny, James P., Yakima, Wash. Stroboscopic meter tester. 2,259,613; Oct. 21.
Chain Belt Company. (See Klaucke, Hermann, assignor.)
Champion Foundry and Machine Company. (See Naylor, W. E., and Magnuson, assignors.)
Chandler, Daniel L. (See Walker, F. H., and Chandler.)
Chaney, John L. (See Wappner, Ralph C., assignor.)
Chang, Fred, Oakland, Calif. Clearance indicator for automobiles. 2,259,614; Oct. 21.
Chappell, Ralph R., Richmond, Va., and R. B. Colt, Baltimore, Md., assignors to Bendix Aviation Corporation, South Bend, Ind. Wind velocity indicator. 2,259,615; Oct. 21.
Chemical Marketing Company Inc. (See Koenig, Franz, assignor.)
Chemical Marketing Company Inc. (See Spanner, Jakob, assignor.)
Chenoweth, Albert J., Elkins, W. Va. Van body end closure. 2,260,099; Oct. 21.
Chew, Robert D. (See Baldeschwieler, E. L., and Chew.)
Chicago Development Company. (See Dean, Reginald S., assignor.)
Chicago Metallic Manufacturing Company. (See Langel, Adrien L., assignor.)
Christensen, Christian F. (See Lombardi, L., Spicer, and Christensen.)
Christie, Hugh K., assignor to Whiting Corporation, Harvey, Ill. Drop pit apparatus. 2,259,552; Oct. 21.
Chrysler Corporation. (See Auten, Jay C., assignor.)
Chrysler Corporation. (See Johnson, Ira E., assignor.)
Chrysler Corporation. (See McReynolds, John O., assignor.)
Cinch Manufacturing Corporation. (See Del Camp, Scipione M., assignor.)
Cincinnati Milling Machine Co., The. (See Blood, Louis H., assignor.)
Circo Products Company. (See Black, John F., assignor.)
Circuit Breakers, Inc. (See Burnside, James H., II, assignor.)
Clancy, Roderick S., Los Angeles, Calif. Apparatus for making and securing bag handles. 2,259,878; Oct. 21.
Clapper, John S., assignor to Toro Manufacturing Corporation of Minnesota, Minneapolis, Minn. Mower. 2,259,553; Oct. 21.
Clark, Howard L., Ballston Lake, N. Y., assignor to General Electric Company. Impedance device. 2,260,002; Oct. 21.
Clark, J. Andrew, Port Chester, N. Y., assignor to Sylvania Industrial Corporation, Fredericksburg, Va. Treating materials and products produced. 2,259,796; Oct. 21.
Clark, Oliver A., assignor to The Safety Grinding Wheel & Machine Company, Springfield, Ohio. Abrasive wheel. 2,259,554; Oct. 21.
Clausen, Sigurd, Brooklyn, N. Y., assignor to International Cigar Machinery Company. Tobacco feed for scrap bunch cigar machines. 2,259,616; Oct. 21.
Clay Products Association. (See Manley, Ralph H., assignor.)
Clayette, Claude J., Paris, France. Signal transmission device. 2,259,681; Oct. 21.
Clermont, Lena M., Washington, D. C. Brassière. 2,259,617; Oct. 21.
Cleveland Pneumatic Tool Company, The. (See Greve, Louis W., assignor.)
Cleveland Pneumatic Tool Company. (See Van Sittert, Paul, assignor.)
Cleveland Trencher Company, The. (See Penote, V. S., and Askue, assignor.)
Clickner, Earle D. (See Balz, W. G., and Clickner.)
Coderre, Patrick E. E., Port Chester, N. Y. Trackway for toy trains. 2,260,003; Oct. 21.
Cohen, Maurice M., Cleveland, Ohio. Manicuring tool holder. 2,259,797; Oct. 21.
Cole, John E., and B. F. Skiles, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Indigoid dye and making the same. 2,259,618; Oct. 21.
Collier, Virgil G. (See Perkins, Raymond A., assignor.)
Collins, James K., Wickliffe, Ohio. Receptacle. 2,259,682; Oct. 21.
Collins, John E. (See Sinclair, A. F., and Collins.)
Collins, William D., Chicago, Ill. Structural exhibition device. 2,259,435; Oct. 21.
Colt, Rutger B. (See Chappell, R. R., and Colt.)
Commercial Solvents Corporation. (See Lippincott, Samuel B., assignor.)
Commercial Solvents Corporation. (See Martin, Jerome, assignor.)
Commercial Solvents Corporation. (See Morey, Glen H., assignor.)
Commercial Solvents Corporation. (See Senkus, Murray, assignor.)
Commercial Solvents Corporation. (See Tarvin, Noble R., assignor.)
Condenser Development Corporation. (See Allen, Earl H., assignor.)
Connolly, Frederick W., Washington, D. C. Braking means for invalid chairs. 2,259,924; Oct. 21.
Connor, James R., New York, N. Y. Display device. 2,259,436; Oct. 21.
Consolidated Engineering Corporation. (See Morgan, Charles G., assignor.)
Container Corporation of America. (See Kienlen, Alex, assignor.)
Coons, Curtis C., assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,260,212; Oct. 21.
Cooper, Fred D., Tacoma, Wash. Miter square. 2,259,619; Oct. 21.
Cope, Frank T., assignor to The Electric Furnace Company, Salem, Ohio. Fuel burner. 2,260,166; Oct. 21.
Cope, Frank T., assignor to The Electric Furnace Company, Salem, Ohio. Pilot for fuel burners. 2,260,167; Oct. 21.
Corbett, Harvey W. (See Hasenburger, H., and Corbett.)
Cornelius, Willie H., Packard, Ky. Dumping apparatus. 2,259,798; Oct. 21.
Corrigan, Joseph P., Leavenworth, Kans. Electric outlet plug. 2,259,799; Oct. 21.
Costanza, Lucy, Brooklyn, assignor to Perfection Frocks, New York, N. Y. Dress. 2,260,168; Oct. 21.
Couch, Glenn F. (See Barrows, D. S., and Couch.)
Couch, Glenn F., assignor to The Symington-Gould Corporation, Rochester, N. Y. Journal box. 2,259,620; Oct. 21.
Couch, Royden O., Grant, Fla. Reversible flow pump. 2,260,169; Oct. 21.
Covey, Elsy E., Niagara Falls, N. Y. Apparatus for making paper. 2,259,859; Oct. 21.
Cox, Bernie, Harrisburg, Ill. Electrical connector. 2,259,800; Oct. 21.
Crawford, Arthur N., Chinese Camp, Calif. Bucket tooth unit. 2,259,456; Oct. 21.
Cream of Wheat Corporation, The. (See Billings, Howard J., assignor.)
Criner, Harry E. (See Jennings, L. D., Ramik, and Criner.)
Criner, Harry J., assignor of one-half to A. G. Bush, Davenport, Iowa. Bread slicing machine. 2,259,801; Oct. 21.
Croft, Cyril M., G. W. Seymour, and W. Brooks, Cumberland, Md., assignors to Celanese Corporation of America. Dyeing cellulose derivative materials. 2,259,515; Oct. 21.
Croll, William A., Norristown, Pa. Powdered metal and alloys. 2,259,457; Oct. 21.
Crompton & Knowles Loom Works. (See Turner, Richard G., assignor.)
Crosby, Henry S., Long Lake, Minn., and T. P. Ring, Buffalo, N. Y., assignors to General Mills, Inc. Puffing gun. 2,259,802; Oct. 21.
Crossley, Moses L., Plainfield, and L. M. Shafer, Upper Montclair, N. J., assignors to American Cyanamid Company, New York, N. Y. Metallized acid polyazo dyes. 2,259,734; Oct. 21.
Crossley, Moses L., Plainfield, and L. M. Shafer, Upper Montclair, N. J., assignors to American Cyanamid Company, New York, N. Y. Metallized acid polyazo dyes. 2,259,735; Oct. 21.
Crossley, Moses L., Plainfield, and L. M. Shafer, Upper Montclair, N. J., assignors to American Cyanamid Company, New York, N. Y. Metallized acid polyazo dyes. 2,259,736; Oct. 21.
Crown Can Company. (See Weisenburg, Andrew, assignor.)
Crum, Carlos L. (See Perky, S. H. and Crum.)
Cumming, Ford J., Hopkins, Minn. Refrigerating plant. 2,259,803; Oct. 21.
Cummings, James M., Turtle Creek, and R. H. Leitzel, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit breaker. 2,259,971; Oct. 21.
Cunningham, Thomas M., Chicago, Ill., assignor to Carrier Corporation, Syracuse, N. Y. Duct construction. 2,259,737; Oct. 21.
Curl, Herbert C., Jackson Heights, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission system embodying loud-spakers. 2,260,170; Oct. 21.
Cushman's Sons Inc. (See MacManus, John, assignor.)
Cutler-Hammer, Inc. (See Liliquist, Arvid E., assignor.)
Dahl, Pete. (See Black, G. A., Lancaster, and Dahl.)
Dain Manufacturing Company of Iowa. (See Miller, Paul P., assignor.)
D'Alelio, Gaetano F., Pittsfield, Mass., assignor to General Electric Company. Condensation product of a phenol, an aliphatic aldehyde, and a partly amidated polycarboxylic acid. 2,260,006; Oct. 21.
D'Alelio, Gaetano F., Pittsfield, Mass., assignor to General Electric Company. Interpolymerization product of allyl crotonate and unsaturated alkyd resin. 2,260,005; Oct. 21.
Dalmer, Otto, C. Diehl, and H. Pieper, Darmstadt, Germany, assignors to Merck & Co. Inc., Rahway, N. J. Manufacture of compounds of the hydrouracil series. 2,259,925; Oct. 21.
Damiano, Frank, Newburgh, N. Y. Finger guard for sewing machines. 2,259,683; Oct. 21.
Daniels, Zinn S. (See Wheeler, C. W., and Daniels.)
Dannels, Gordon E., Pittsburgh, Pa. Three-way chair. 2,259,621; Oct. 21.

Darby, Ernest R., and C. M. Heath, assignors to Federal-Mogul Corporation, Detroit, Mich. Making bearings. 2,260,247; Oct. 21.
Dautrick, Owen L., Ferndale, assignor to L. G. Erb and A. E. Blow, Royal Oak, Mich. Casement window. 2,260,171; Oct. 21.
Davenport, John L., and C. F. De Costa, Kew Gardens, assignors to Charles Pfizer & Company, Brooklyn, N. Y. Stable soluble magnesium acid citrate. 2,260,004; Oct. 21.
Davis, Alice Adams, Mass. Hair waving device. 2,260,213; Oct. 21.
Davis, Ernest H., Los Angeles, Calif., assignor to American Can Company, New York, N. Y. Feeding mechanism. 2,259,458; Oct. 21.
Davis, Howard R., and T. W. Price, Durango, Colo. Snow vehicle. 2,259,804; Oct. 21.
Davol Rubber Company. (See Raiche, Paul A., assignor.)
Day, Roy C., Crawfordsville, Ind. Concrete form spacer. 2,259,555; Oct. 21.
Deahl, Kenneth J., assignor to Pittsburgh Annealing Box Company, Pittsburgh, Pa. Annealing box. 2,260,214; Oct. 21.
Dean, Peter P., Weston, Conn. Control apparatus. 2,259,437; Oct. 21.
Dean, Reginald S., Washington, D. C., assignor to Chicago Development Company, Chicago, Ill. Manganese alloy. 2,259,459; Oct. 21.
De Chimang, Marcel de Passy, College Point, Long Island, assignor of one-half to H. Hammond, New York, N. Y. Marine vessel. 2,260,007; Oct. 21.
Deckel, Friedrich. (See Zwick, Kurt, assignor.)
Decker, Alonzo G., Jr., Towson, Md., assignor to The Black and Decker Manufacturing Company. Portable power hammer. 2,260,172; Oct. 21.
Deconing, Louis A., Woonsocket, R. I. Loom picker. 2,259,805; Oct. 21.
De Costa, Charles F. (See Davenport, J. L., and De Costa.)
De Csaby, Laszlo, Tulsequah, British Columbia, Canada. Mechanical gas generator. 2,260,271; Oct. 21.
De Falco, Joseph, Vineland, N. J. Modernistic shade. 2,260,101; Oct. 21.
Dégallier, Edmond, Lausanne, Switzerland. Navigable vessel. 2,259,438; Oct. 21.
De Ganahl, Carl, Bristol, Pa., assignor, by mesne assignments, to Reconstruction Finance Corporation. Control valve. 2,259,439; Oct. 21.
Deitrich, Epliy C., and D. V. Lisle, Pittsburgh, Pa.; said Lisle assignor to said Deitrich. Fountain applicator. 2,260,100; Oct. 21.
Del Camp, Scipione M., Maywood, assignor to Cinch Manufacturing Corporation, Chicago, Ill. Vacuum tube socket. 2,259,738; Oct. 21.
Del Camp, Scipione M., Maywood, assignor to Cinch Manufacturing Corporation, Chicago, Ill. Vacuum tube socket. 2,259,739; Oct. 21.
Del Camp, Scipione M., Maywood, assignor to Cinch Manufacturing Corporation, Chicago, Ill. Electrical connection. 2,259,740; Oct. 21.
Delvo, William, Manitowoc, Wis. Tightening device for antiskid chains. 2,259,926; Oct. 21.
Dempster Mill Manufacturing Company. (See Elliott, William, assignor.)
Denning, Paul S., assignor to F. E. Schundler & Co., Inc., Joliet, Ill. Lightweight mineral material. 2,259,879; Oct. 21.
De Nooijer, Christiaan N. J. (See Huijser, H. W., and de Nooijer.)
Deremer, Floyd E., Detroit, Mich. Silencer construction. 2,259,516; Oct. 21.
Deshayes, Pierre M. E., Paris, France, assignor to J. D. Seguy, Chicago, Ill. Receptacle for transporting and delivering liquids. 2,260,008; Oct. 21.
Despard, Victor R., assignor to Pass & Seymour, Inc., Syracuse, N. Y. Weatherproof switch. 2,259,622; Oct. 21.
Detroit Lubricator Company. (See Landon, Walter S., assignor.)
Dexter, Reynolds B., Los Angeles, Calif. Resilient drive bushing. 2,259,460; Oct. 21.
Dictaphone Corporation. (See Franz, Frederick, assignor.)
Dictaphone Corporation. (See Rolain, Vaughn, assignor.)
Dieckmann, Charles W., Chicago, Ill. Rotary cutter. 2,259,623; Oct. 21.
Diehl, Claus. (See Dalmer, O., Diehl, and Pieper.)
Disney, Walt, Productions. (See Pickley, Leonard B., assignor.)
Ditto, Incorporated. (See Lavenhagen, A. J., and Morrison, assignors.)
Ditto, Incorporated. (See Morrison, R. F., and Wimmer, assignors.)
Dixie Wax Paper Company. (See Kimple, Louis C., assignor.)
Dixon, Joseph, Crucible Company. (See Miller, Kay, assignor.)
Dohrn, Max, Berlin-Charlottenburg, and H. Nahme, Berlin-Zehlendorf, Germany, assignors to Sherka Chemical Co., Inc., Bloomfield, N. J. Production and application of media for protection from light. 2,260,173; Oct. 21.
Donaldson, John S., St. Albans, N. Y. Coupling device. 2,260,215; Oct. 21.
Donnelly, James F., New York, N. Y. Closure for boxes and wrappers. 2,260,137; Oct. 21.
Doran, John H., Scotia, and G. B. Warren, Niskayuna, N. Y., assignors to General Electric Company. Gearing. 2,260,009; Oct. 21.
Doran, John H., Scotia, N. Y., assignor to General Electric Company. Marine turbine condenser and supporting arrangement. 2,260,010; Oct. 21.
Dornier, Claude, assignor of one-half to Dornier-Werke G. m. b. H., Friedrichshafen-on-the-Bodensee, Germany. Construction element for aircraft. 2,259,624; Oct. 21.
Dornier, Claude, assignor of one-half to Dornier-Werke G. m. b. H., Friedrichshafen-on-the-Bodensee, Germany. Flying boat. 2,259,625; Oct. 21.
Dornier-Werke G. m. b. H. (See Dornier, Claude, assignor.)
Dougan, Leland S. (See Bryson, Will H., assignor.)
Douglass, J. W., Jr. (See Aiken, David, assignor.)
D'Ouville, Edmond L., B. L. Evering, and A. G. Oblad, assignors to Standard Oil Company, Chicago, Ill. Catalytic conversion of hydrocarbons. 2,260,279; Oct. 21.
Downs, William T., Detroit, Mich. Refrigerating system. 2,259,950; Oct. 21.
Doyle, Harry M., Salt Lake City, Utah. Adjustable splint. 2,260,216; Oct. 21.
Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for tempering glass. 2,259,741; Oct. 21.
Draper Corporation. (See Brown, Carl D., assignor.)
Drechsler, Karl E., Leipzig, Germany. Automatic barrel cleaning machine. 2,259,556; Oct. 21.
Drenkard, Adam, Jr., Grantwood, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Tape accumulator. 2,259,517; Oct. 21.
Dreyfus, Henry, London, England. Manufacture of artificial materials. 2,259,518; Oct. 21.
Driftmeyer, Herbert L., Fort Wayne, Ind., assignor to General Electric Company. Stationary induction apparatus. 2,260,011; Oct. 21.
Driver, Wilbur B., Company. (See Platt, Stephen A., assignor.)
Dugaw, Eugene, Tacoma, Wash. Patch-making machine. 2,259,806; Oct. 21.
Duisberg, Walther H. (See Jehle, K., and Schmauder, assignors.)
Dummer, Edward J., Rochester, and E. L. Pinder, Irondequoit, assignors to Multipost Company, Rochester, N. Y. Envelope handling machine. 2,259,557; Oct. 21.
Dunton, Elmarion S., Woodland, Calif. Brush holder for receptacles. 2,259,927; Oct. 21.
Du Pont, E. I., de Nemours & Company. (See Barnes, Carl E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Cole, J. E., and Skiles, assignors.)
Du Pont, E. I., de Nemours & Company. (See Heckert, Winfield W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Horning, Samuel, C., assignor.)
Du Pont, E. I., de Nemours & Company. (See Kistler, Samuel S., assignor.)
Du Pont, E. I., de Nemours & Company. (See Maxwell, Robert W., assignor.)
Dzama, Michael. (See Suvak, M. N., and Dzama.)
Eagle Knitting Mills, Inc. (See Wengen, Frank J., assignor.)
Eagle Pencil Company. (See Hanle, Benjamin W., assignor.)
Eason, Clarence M., Waukesha, Wis. Clutch. 2,259,461; Oct. 21.
Eastman Kodak Company. (See Fletcher, Charles L., assignor.)
Eastman Kodak Company. (See Sillick, William E., assignor.)
Eaton, Diman B., Salem, N. H. Fountain toothbrush. 2,259,928; Oct. 21.
Eaton Manufacturing Company. (See Hoern, Joseph H., assignor.)
Eckhardt, Engelhardt A., Pittsburgh, and G. Muffly, Penn Township, Allegheny County, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Method of and apparatus for seismograph prospecting. 2,260,217; Oct. 21.
Edison, Earl G., Medford, Oreg. Device for securing teeth on buckets. 2,259,742; Oct. 21.
Edison General Electric Appliance Company. (See Ettinger, Wallace J., assignor.)
Edison General Electric Appliance Company. (See McDowell, W. R., and Winborne, assignors.)
Edwards, Evan A., East Cleveland, Ohio, assignor to General Electric Company. Electric valve circuit. 2,260,012; Oct. 21.
Edwards, O. M., Company, The. (See Henderson, Cloyd S., assignor.)
Edwards, Thomas J., near Seattle, and B. Knudsen, near Monroe, Wash. Rock drill. 2,259,807; Oct. 21.
Ehmann, Leslie G., assignor to Electric Steel Foundry, Portland, Oreg. Shackle. 2,259,880; Oct. 21.
Eiben, Lawrence A. (See Bacon, H. P., and Eiben.)
Electric Furnace Company, The. (See Cope, Frank T., assignor.)
Electric & Musical Industries Limited. (See Miller, H., and Kallmann, assignors.)

Electric Steel Foundry. (See Ehmann, Leslie G., assignor.)
Electric Vacuum Cleaner Company. (See Lang, Henry T., assignor.)
Electrofile, Inc. (See Whitson, John W., assignor.)
Ellenbecker, John P., St. Cloud, Minn. Automatic control for stone cutting and finishing machines. 2,259,808; Oct. 21.
Ellingsen, Haakon, Skien, Norway. One-way brake arrangement in motor driven vehicles. 2,259,684; Oct. 21.
Elliott, William, assignor to Dempster Mill Manufacturing Company, Beatrice, Nebr. Combination carrier. 2,260,174; Oct. 21.
Ellis, Delbert, Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Enclosed circuit breaker. 2,260,073; Oct. 21.
Ellis, Harold E., Lima, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Split-phase motor. 2,259,972; Oct. 21.
Elsloo, Henry F., assignor of one-third to W. C. Graves, and one-third to T. W. Oder, Tulsa, Okla. Abrading device. 2,259,685; Oct. 21.
Elvers, Roy E., assignor of one-fourth to J. C. Morgan, Los Angeles, Calif. Window sash operating mechanism. 2,260,013; Oct. 21.
Ematal Electrochemical Corporation. (See Schenk, Max, assignor.)
Emulsol Corporation, The. (See Harris, B. R., and Cahn, assignors.)
Erb, Lewis G., et al. (See Dautrick, Owen L., assignor.)
Erikson, Harry, assignor to Binks Manufacturing Company, Chicago, Ill. Eliminating splash in wash type spray booths. 2,259,626; Oct. 21.
Ernst, Walter, V. S. Shaw, P. C. Pocock, and H. S. Booher, Mount Gilead, Ohio, assignors to The Hydraulic Development Corporation, Inc., Wilmington, Del. Press with electrically controlled collapsible air link. 2,260,175; Oct. 21.
Ershler, Samuel H., Woodcliff, N. J. Hot food storage table. 2,259,519; Oct. 21.
Ettinger, Wallace J., assignor to Edison General Electric Appliance Company, Inc., Chicago, Ill. Control device. 2,260,014; Oct. 21.
Evans, George P., Hellam, Pa. Cattle holder. 2,259,929; Oct. 21.
Evans, John, Indiana Harbor, Ind. Universally movable floor crane. 2,259,558; Oct. 21.
Evering, Bernard L. (See d'Ouville, E. L., Evering, and Oblad.)
Evernden, Ernest C. W. St. Johns, Quebec, Canada. Hockey stick. 2,260,218; Oct. 21.
Evershed & Vignoles Limited. (See Rolfe, George B., assignor.)
Eversole, James F., Kenmore, N. Y., and A. C. Plewes, South Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation. Dehydration of acetone. 2,259,951; Oct. 21.
Excel Auto Radiator Company. (See Briskin, Theodore, assignor.)
Eyer, Joseph J., Wilmington, Del. Match book or packet. 2,259,686; Oct. 21.
Fageol, Rollie B., Beverly Hills, Calif. Automobile bumper guard. 2,259,440; Oct. 21.
Fairchild Aviation Corporation. (See Moore, David W., Jr., assignor.)
Farrell, William B., Wayne, Mich. Printing on flimsy material. 2,259,952; Oct. 21.
Federal-Mogul Corporation. (See Darby, E. R., and Heath, assignors.)
Feinberg, Elliott H., New York, N. Y. Golf shoe. 2,260,138; Oct. 21.
Feldspathic Research Corporation. (See Burgess, B. C., and Boyd.)
Fener, Alfred, Brooklyn, and J. Alesi, New York, N. Y. Adjustable antenna unit. 2,259,628; Oct. 21.
Fernseh Aktiengesellschaft. (See Möller, R., Schwartz, and Jaeckel, assignors.)
Fichtner, Rudolf, Berlin, Germany, assignor to General Electric Company. Hydraulic device for transmitting power. 2,260,015; Oct. 21.
"Fides" Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten m. b. H. (See Golicke, Roman, assignor.)
Filsinger, Carl F., Jersey City, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Sandal and insole therefor. 2,259,559; Oct. 21.
Fink, Harold B., Woodlake, Calif. Egg cleaner. 2,260,016; Oct. 21.
Firehammer, Welton E., Oshkosh, Wis. Furnace control. 2,259,973; Oct. 21.
Fisch, Arthur, Guelph, Ontario, Canada. Making orthopedic footwear. 2,259,687; Oct. 21.
Fisher, Herman G., assignor to Fisher-Price Toys, Inc., East Aurora, N. Y. Musical toy. 2,259,629; Oct. 21.
Fisher, Herman G., East Aurora, N. Y. Action toy. 2,260,112; Oct. 21.
Fisher-Price Toys, Inc. (See Fisher, Herman G., assignor.)
Fitchett, Thomas S., assignor to F. X. Hooper Company, Inc., Glen Arm, Md. Printer slotter roll adjustment. 2,259,441; Oct. 21.
Flanders, Paul B., West Orange, and C. E. Pollard, Hohokus, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Switching device. 2,259,953; Oct. 21.
Fleer, Frank H., Corporation. (See Mahle, Louis W., assignor.)
Flemming, Walter. (See Jacobi, H., and Flemming.)
Fletcher, Charles L., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Manufacture of cellulose esters. 2,259,462; Oct. 21.
Fletcher, Harold H., Story City, Iowa. Oil burner. 2,259,743; Oct. 21.
"Flexitallic" Gasket Company. (See Boyd, William W., assignor.)
Flood, Henry, Jr., Rahway, N. J., assignor to Recordgraph Corporation, New York, N. Y. Sound recording device. 2,259,631; Oct. 21.
Foley, John W., Chicago, Ill. Ball bearing. 2,259,881; Oct. 21.
Fonder, John F., et al. (See Hoyt, John A., assignor.)
Food Dispenser Company, The. (See Binon, Georges, assignor.)
Ford, Le Roy, Indianapolis, Ind. Tension bar for wire fencing. 2,260,176; Oct. 21.
Forschungsanstalt Prof. Junkers Gesellschaft mit beschränkter Haftung. (See John, F., and Steinbecher, assignors.)
Fortune, Ronald, Toronto, Ontario, Canada. Flotation machine for the treatment of ores and the like. 2,259,744; Oct. 21.
Franz, Frederick, New Haven, Conn., assignor to Dictaphone Corporation, New York, N. Y. Commercial phonograph. 2,259,745; Oct. 21.
Freeman, Robert L., Flushing, N. Y., assignor to Hazeltine Corporation. Television receiving apparatus. 2,259,520; Oct. 21.
Freeman, Walter R., University City, assignor to Wagner Electric Corporation, St. Louis, Mo. Control valve mechanism. 2,259,809; Oct. 21.
Freeman, Walter R., Clayton, assignor to Wagner Electric Corporation, St. Louis, Mo. Clutch and brake control mechanism. 2,259,810; Oct. 21.
Fregeau, Ulrich J., Denver, Colo. Window operator. 2,259,811; Oct. 21.
Fréret, Paul L., Pitres, Eure, France. Automobile vehicle. 2,260,102; Oct. 21.
Frese, Joseph F. (See McCauley, John H., assignor.)
Frey, Frederick E., H. J. Hepp, and G. H. Morey, Bartlesville, Okla., assignors to Phillips Petroleum Company. Thermally reacting hydrocarbons. 2,259,630; Oct. 21.
Friedberger-Aaron Manufacturing Company. (See Vamos, Alfred, assignor.)
Fripp, Samuel T., London, England. Piano. 2,260,139; Oct. 21.
Frisbie, Marshall H., Hamden, assignor to The A. C. Gilbert Company, New Haven, Conn. Toy train actuated circuit controller. 2,259,851; Oct. 21.
Frost, Orley R., Chicago, Ill. Vacuum pump control. 2,260,113; Oct. 21.
Fuchs, Paul E., Colorado Springs, Colo. Match cover. 2,259,812; Oct. 21.
G-H Specialty Co. (See Schmidt, E. L., and Schwabe, assignors.)
Galli, Aiuto V., Queens Village, N. Y. Lubricator for rotary loop-takers in sewing machines. 2,259,442; Oct. 21.
Garcia, Henry V., assignor to Southern Pecan Company, San Antonio, Tex. Nut shelling machine. 2,259,939; Oct. 21.
Garnett, Edward V. and V. G., Denver, Colo. Free wheeling dual wheel. 2,259,813; Oct. 21.
Garnett, Vactor G. (See Garnett, Edward V. and V. G.)
Garthus, Adam S., Independence, Wis. Perch for birdhouses. 2,260,017; Oct. 21.
Garthus, Adam S., Independence, Wis. Birdhouse. 2,260,018; Oct. 21.
Gates, Rowland F., Toronto, Ontario, Canada, assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Wire terminal. 2,260,219; Oct. 21.
Gawelek, Alek J., Detroit, Mich. Hat receptacle. 2,259,930; Oct. 21.
Geier, Frank A., Philadelphia, Pa. Illuminating cane and umbrella handle. 2,259,443; Oct. 21.
Geier, P. A., Company, The. (See Martinet, Eugene F., assignor.)
General Electric Company. (See Alexanderson, E. F. W., Patterson, and Nickle, assignors.)
General Electric Company. (See Arey, Ralph G., assignor.)
General Electric Company. (See Atchison, Leonard W., assignor.)
General Electric Company. (See Bany, Herman, assignor.)
General Electric Company. (See Baumann, Karl, assignor.)
General Electric Company. (See Boddy, Edwin H., assignor.)
General Electric Company. (See Boersch, H., Brüche, and Mahl, assignors.)
General Electric Company. (See Brown, George M., assignor.)

General Electric Company. (See Bryant, F. D., and Young, assignors.)
General Electric Company. (See Clark, Howard L., assignor.)
General Electric Company. (See D'Alelio, Gaetano F., assignor.)
General Electric Company. (See Doran, John H., assignor.)
General Electric Company. (See Doran, J. H., and Warren, assignors.)
General Electric Company. (See Driftmeyer, Herbert L., assignor.)
General Electric Company. (See Edwards, Evan A., assignor.)
General Electric Company. (See Fichtner, Rudolf, assignor.)
General Electric Company. (See Hall, R. W., and Smith, assignors.)
General Electric Company. (See Hepperlen, John A., assignor.)
General Electric Company. (See Hull, Edwin H., assignor.)
General Electric Company. (See Hoare, Stephen C., assignor.)
General Electric Company. (See Kienle, R. H., and Scheiber, assignors.)
General Electric Company. (See Krautz, E., and Meyer, assignors.)
General Electric Company. (See Krieger, Louis, assignor.)
General Electric Company. (See Kuehni, Hans P., assignor.)
General Electric Company. (See Levoy, Louis G., Jr., assignor.)
General Electric Company. (See Mahl, H., Pendzich, and Steudel, assignors.)
General Electric Company. (See McMahan, Kenton D., assignor.)
General Electric Company. (See Middleton, H. J., and Hashek, assignors.)
General Electric Company. (See Moore, Harold G., assignor.)
General Electric Company. (See Moyer, Elmo E., assignor.)
General Electric Company. (See Newell, Heber L., assignor.)
General Electric Company. (See Reardon, Robert T., assignor.)
General Electric Company. (See Stewart, Clyde E., assignor.)
General Electric Company. (See Visscher, John S., assignor.)
General Mills, Inc. (See Crosby, H. S., and Ring, assignors.)
General Motors Corporation. (See Kucher, Andrew A., assignor.)
General Railway Signal Company. (See Hailes, W. D., and Brixner, assignors.)
General Steel Castings Corporation. (See Meyer, William H., assignor.)
Genter, Albert L., Baltimore, Md. Sewage treatment process. 2,259,688; Oct. 21.
Gentile, Vincent, Jr., Brooklyn, N. Y. Flow tube. 2,260,019; Oct. 21.
Giese, Hermann, Leverkusen-I. G. Werk, Germany, assignor to Titan Company, Inc., Wilmington, Del. Making improved titanium dioxide pigments. 2,260,177; Oct. 21.
Gilbert, A. C., Company, The. (See Frisbie, Marshall H., assignor.)
Gilbert & Barker Manufacturing Company. (See Topp, H. F., and Spear, assignors.)
Gilbert, Carl B., South River, N. J., assignor to Hercules Powder Company, Wilmington, Del. Stabilizing nitrocellulose. 2,260,248; Oct. 21.
Ginn, Wells W., assignor to Vegetable Oils Specialty Corporation, Cincinnati, Ohio. Vegetable oil. 2,260,140; Oct. 21.
Glasner, Rudolph W., Chicago, Ill. Press. 2,259,882; Oct. 21.
Gleba, John P., East Hartford, Conn. Roller skate wheel grinder. 2,259,883; Oct. 21.
Glidden, Alfred A., assignor to Hood Rubber Company, Inc., Watertown, Mass. Ventilated fabric, garment, and making the same. 2,259,560; Oct. 21.
Glidden Company, The. (See Mowlds, Kenneth S., assignor.)
Goff, Lionel E., Alton, Ill., and S. L. Lopata, St. Louis, Mo., assignors to The Cellulose Research Corporation, East Alton, Ill. Cellulose derivative film and coating. 2,259,746; Oct. 21.
Goldsmith, Alfred N., New York, N. Y. Color television system. 2,259,884; Oct. 21.
Golicke, Roman, Falkensee, Kreiss Osthavelland, assignor to "Fides" Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten m. b. H., Berlin, Germany. Crystal-controlled oscillator and utilization circuit therefor. 2,259,521; Oct. 21.
Goodall Worsted Company. (See Nutter, F. E., and Spence, assignors.)
Goodrich, B. F., Company, The. (See Klyce, Stephen D., assignor.)
Goodrich, B. F., Company, The. (See Nathan, Tracy D., assignor.)
Goodrich, B. F., Company, The. (See Wiggins, L. A., and Patterson, assignors.)
Gorse, William F. (See Scott, R. H., Gorse, and Hayward.)
Graban, Martin, Cambridge, Mass., assignor to Polaroid Corporation, Dover, Del. Variable density window. 2,260,220; Oct. 21.
Grace, William E., Dallas, Tex. Road sweeper. 2,259,632; Oct. 21.
Grammes, L. F., & Sons, Inc. (See Romig, Morris W., assignor.)
Graves, William C., et al. (See Elsloo, Henry F., assignor.)
Gray Metal Products, Inc. (See Gray, William H., assignor.)
Gray, William H., assignor to Gray Metal Products, Inc., Rochester, N. Y. Duct joint construction. 2,260,221; Oct. 21.
Green, Isaac H. C., Central Falls, and E. St. Pierre, Pawtucket, assignors to Hemphill Company, Central Falls, R. I. Knitting machine. 2,260,020; Oct. 21.
Green, James A., and F. C. and A. J. Miller, Humboldt, and W. H. Locke, Dakota City, Iowa. Minnow or live bait bucket. 2,259,814; Oct. 21.
Greve, Louis W., assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Locking means for fluid motors. 2,259,815; Oct. 21.
Griesinger, William K., Lansdowne, Pa., and B. Bettman, Buffalo, N. Y., assignors to The Atlantic Refining Company, Philadelphia, Pa. Petroleum aminosulphonic acid, and making same. 2,259,885; Oct. 21.
Griffin, Robert O., Berkeley, Calif. Selective filing and finding system. 2,259,463; Oct. 21.
Griffith, Frederick C., Buffalo, N. Y. Fountain comb or liquid applicator. 2,259,931; Oct. 21.
Grohsgal, Alexis C., New York, assignor to Marks Products Co. Inc., Brooklyn, N. Y. Electric cord clamping device. 2,259,444; Oct. 21.
Gruening, William E., and H. H. Liese, assignors to The Stacey Brothers Gas Construction Company, Cincinnati, Ohio. Sealing means for gas holder piston. 2,260,021; Oct. 21.
Guignon, Emile S., Jr., Kansas City, Mo. Removable panel. 2,260,178; Oct. 21.
Guillaume, Omer E., Honolulu, Hawaii. Fuel separator. 2,259,633; Oct. 21.
Gulf Research & Development Company. (See Eckhardt, E. A., and Muffly, assignors.)
Gurwick, Irving, assignor to Shellmar Products Company, Mount Vernon, Ohio. Forming containers and material therefor. 2,259,886; Oct. 21.
Gustafson, Carl A., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Bulldozer. 2,259,747; Oct. 21.
Gustin, Daniel S., Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Lamp and operating circuit. 2,259,954; Oct. 21.
Gwinn, Joseph M., Jr., Buffalo, assignor to Brewster Aeronautical Corp., Long Island City, N. Y. Aircraft. 2,260,022; Oct. 21.
Haehnel, Herbert E., West Reading, assignor to Textile Machine Works, Wyomissing, Pa. Method of and apparatus for narrowing knitted fabric. 2,259,974; Oct. 21.
Haemer, Arthur J., East Moline, Ill. Corn planter. 2,260,023; Oct. 21.
Hagemeyer, Henry F., assignor to Castings Patent Corporation, Chicago, Ill. Forming castings. 2,259,634; Oct. 21.
Hagen, Wolfgang, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzweg, Germany. Amplifying system. 2,260,272; Oct. 21.
Hahn, Paul T., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,260,222; Oct. 21.
Hahnemann, Walter M., Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Method and system for landing aircraft. 2,260,273; Oct. 21.
Hailes, William D., Brighton, and F. W. Brixner, Gates, assignors to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system for railroads. 2,259,561; Oct. 21.
Hailes, William D., Brighton, and F. W. Brixner, Gates, assignors to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling and communicating system for railroads. 2,259,562; Oct. 21.
Hall, Gilbert O., Kansas City, Mo. Cooling apparatus for beverage dispensers. 2,259,852; Oct. 21.
Hall, Ralph W., and H. A. Smith, Fort Wayne, Ind., assignors to General Electric Company. Insulated electrical conductor. 2,260,024; Oct. 21.
Hall, Roy W., Oak Park, Ill., assignor to The Mantle Lamp Company of America. Bracket for lamps and the like. 2,259,522; Oct. 21.
Hall, William G., and F. W. Pullen, assignors to Bissell Carpet Sweeper Company, Grand Rapids, Mich. Carpet sweeper. 2,260,179; Oct. 21.
Halladay, Calvin L., Jackson, Mich., assignor, by mesne assignments, to Houdaille-Hershey Corporation, Cleveland, Ohio. Adapter plate and bumper structure. 2,259,464; Oct. 21.

Hallett, Percy M., Stoughton, Wis. Boring head. 2,259,627; Oct. 21.
Hammond, Harris. (See de Chimang, Marcel de Passey, assignor.)
Hammond, John H., Jr., Gloucester, Mass. Electric shaver. 2,260,114; Oct. 21.
Hanle, Benjamin W., Elizabeth, N. J., assignor to Eagle Pencil Company. Drop knife. 2,260,141; Oct. 21.
Hanni, Walter H., Spanish Fork, Utah, and J. W. McFarland, Sugar City, Idaho, assignors to Utah-Idaho Sugar Company, Salt Lake City, Utah. Apparatus for cossetting roots and the like. 2,259,689; Oct. 21.
Hansen, William W., R. H. Varian, and J. R. Woodyard, assignors to The Board of Trustees of The Leland Stanford Junior University, Stanford University, Calif. High frequency radio apparatus. 2,259,690; Oct. 21.
Harder, Oscar E., assignor to Battelle Memorial Institute, Columbus, Ohio. Case carburizing. 2,260,249; Oct. 21.
Hardy, Charles, Pelham, assignor to Hardy Metallurgical Corporation, New York, N. Y. Apparatus for consolidating metal powders. 2,259,465; Oct. 21.
Hardy Metallurgical Corporation. (See Hardy, Charles, assignor.)
Hargrett, Wilson W., Wyandotte, Mich. Fishing plug. 2,259,635; Oct. 21.
Harlan, Stephen O., Elmhurst, assignor to Barrett-Cravens Company, Chicago, Ill. Truck. 2,259,816; Oct. 21.
Harper, Charles E., Waycross, Ga. Punching machine. 2,260,223; Oct. 21.
Harrington, Ferris T., assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,259,636; Oct. 21.
Harris, Benjamin R., and F. J. Cahn, assignors to The Emulsol Corporation, Chicago, Ill. Emulsion. 2,259,466; Oct. 21.
Harris, Richard H., Hapeville, Ga. Merry-go-round. 2,259,691; Oct. 21.
Harstick, William H., Milwaukee, Wis., assignor to International Harvester Company. Speed indicator. 2,259,887; Oct. 21.
Harstick, William H., Richmond, assignor to International Harvester Company. Speed indicator. 2,259,888; Oct. 21.
Hasenburge, Henry, Newark, N. J., and H. W. Corbett, assignors to Prebilt Housing Corporation, New York, N. Y. Frame construction for buildings. 2,260,105; Oct. 21.
Hashek, John A. (See Middleton, H. J., and Hasbek.)
Hathaway, Edward R., assignor to Briggs Manufacturing Company, Detroit, Mich. Retainer strip. 2,260,115; Oct. 21.
Hatzig, Hans. (See Johannessohn, F., and Hatzig.)
Hawkins, Eva M., Culver City, Calif. Adjustable head attachment for oxygen tubes. 2,259,817; Oct. 21.
Hayward, Arthur S. (See Scott, R. H., Gorse, and Hayward.)
Hazeltine Corporation. (See Freeman, Robert L., assignor.)
Hazeltine Corporation. (See Wheeler, Harold A., assignor.)
Hearn, Richard B., Hollis, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph repeater. 2,259,637; Oct. 21.
Heath, Carlos M. (See Darby, E. R., and Heath.)
Heckert, Winfield W., Ardentown, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Inhibiting the hydration of anhydrous calcium sulphate. 2,259,638; Oct. 21.
Hegedus, Emery, New York, N. Y. Automatic self-adjusting trousers hanger and creaser. 2,259,692; Oct. 21.
Heggie, Robert. (See Miles, N. A., and Heggie.)
Hejduk, William, Bronx, and F. Ruoff, Yonkers, N. Y. Expanding wedge. 2,259,932; Oct. 21.
Hemphill Company. (See Green, I. H. C., and St. Pierre, assignors.)
Hemphill Company. (See Lawson, Robert H., assignor.)
Henderson, Cloyd S., assignor to The O. M. Edwards Company, Syracuse, N. Y. Double window construction. 2,260,104; Oct. 21.
Henderson, William. (See Tancred, W. L., and Henderson.)
Hennessy, John F., assignor to Geo. D. Roper Corporation, Rockford, Ill. Oven for gas ranges. 2,259,639; Oct. 21.
Henriksen, Harvey E., Los Gatos, assignor to Ray Oil Burner Co., San Francisco, Calif. Burner. 2,259,818; Oct. 21.
Henry, Beulah L., New York, N. Y. Device for producing articulate sounds. 2,259,467; Oct. 21.
Hepp, Harold J. (See Frey, F. E., Hepp., and Morey.)
Hepperlen, John A., East Orange, N. J., assignor to General Electric Company. Electric controller. 2,260,025; Oct. 21.
Hercules Powder Company. (See Borglin, Joseph N., assignor.)
Hercules Powder Company. (See Gilbert, Carl B., assignor.)
Hercules Powder Company. (See Marsh, H. N., and Weidlin, assignors.)
Hercules Powder Company. (See Miller, Abraham B., assignor.)
Hercules Powder Company. (See Stuart, Joseph, II, assignor.)
Herder, John H., Kalamazoo, Mich. Constant pressure diaphragm pump. 2,260,180; Oct. 21.
Herriger, Felix, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Electron tube device. 2,260,274; Oct. 21.
Hewel, Frank B., Pittsburgh, Pa. Tire-retreading apparatus. 2,259,975; Oct. 21.
Hicks, Raymond M., Larchmont, and E. R. Leroy, assignors to The Teleregister Corporation, New York, N. Y. Electrical indicating system. 2,260,116; Oct. 21.
Hilblom, Samuel E., Chicago, Ill., assignor to International Harvester Company. Mower. 2,259,889; Oct. 21.
Hill, William H., Mount Lebanon, Pa., assignor to American Cyanamid Company, New York, N. Y. Making guanyl urea sulphamate. 2,259,563; Oct. 21.
Hilpman, John H. (See Stougas, A. J., and Hilpman.)
Hiltz, George S., Brooklyn, assignor, by mesne assignments, to The Western Union Telegraph Company, New York, N. Y. Printing telegraph repeater. 2,259,523; Oct. 21.
Hinkle, Leslie A., assignor to Rolland Glass Company, Clarksburg, W. Va. Automatic cutoff means for flat drawn sheet glass. 2,260,103; Oct. 21.
Hipple, James L., Canton, Ill., assignor to International Harvester Company. Tool bar clamp. 2,259,890; Oct. 21.
Hoare, Stephen C., Manchester, Mass., assignor to General Electric Company, Repulsion-attraction type electrical measuring instrument. 2,260,026; Oct. 21.
Hoern, Joseph H., Saginaw, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Thread forming apparatus. 2,259,640; Oct. 21.
Hoffar, Henry S., assignor to International Multifeed Drills, Ltd., Vancouver, British Columbia, Canada. Diamond drill feed control. 2,259,694; Oct. 21.
Hogeman, Hans, assignor to American Bosch Corporation, Springfield, Mass. Fuel governor for internal combustion engines. 2,259,693; Oct. 21.
Holden, Norman G. (See Thomas, A., and Holden.)
Holland, Willard P., Houston, Tex. Removing casing from wells. 2,259,564; Oct. 21.
Hollingsworth, Edward C., assignor to River Raisin Paper Company, Monroe, Mich. Spacer for cartons and the like. 2,260,181; Oct. 21.
Holloway, John O., Mahomet, Ill. Clutch coupling for motor vehicles. 2,259,933; Oct. 21.
Holmes, Verne L., Los Angeles, Calif. Door construction. 2,259,819; Oct. 21.
Holwick, Earl E., La Crescenta, Calif. Egg case filler division plate. 2,260,074; Oct. 21.
Hood Rubber Company. (See Glidden, Alfred A., assignor.)
Hooper, F. X., Company. (See Fitchett, Thomas S., assignor.)
Hoosier Crown Corporation, The. (See Smith, Robert P., assignor.)
Hoover Company, The. (See Berg, Quentin, assignor.)
Hoover Company, The. (See Coons, Curtis C., assignor.)
Hoover Company, The. (See Hahn, Paul T., assignor.)
Hoover Company, The. (See Smellie, Donald G., assignor.)
Hoover Company, The. (See Stahl, Maurice D., assignor.)
Horning, Samuel C., Newark, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Nitroso-beta naphthol iron pigment and making it. 2,259,641; Oct. 21.
Hotson, John L., Haverford, Pa. Ski. 2,260,027; Oct. 21.
Houchins, Henry R., assignor to The Carborundum Company, Niagara Falls, N. Y. Porcelanic bonded diamond abrasive. 2,259,468; Oct. 21.
Houdaille-Hershey Corporation. (See Halladay, Calvin L., assignor.)
Houdry, Eugene J., Haverford, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Refining of naphtha. 2,259,469; Oct. 21.
Houdry Process Corporation. (See Houdry, Eugene J., assignor.)
Houston, Norman C., Ripon, Calif. Poultry nest. 2,260,028; Oct. 21.
Howard, Cecil D., Swarthmore, assignor to Sun Shipbuilding & Dry Dock Company, Chester, Pa. Welding apparatus. 2,259,976; Oct. 21.
Hoyt, James A., et al. (See Hoyt, John A., assignor.)
Hoyt, John A., Batavia, assignor of one-third to J. F. Fonder, and one-third to J. A. Hoyt, Chicago, Ill. Rope puller. 2,259,642; Oct. 21.
Hubbard, William J., Jr., Herkimer, N. Y. Transparent heel. 2,260,224; Oct. 21.
Hubbert, Leslie S. (See Shaw, V. S., and Hubbert.)
Hudson Motor Car Company. (See Baltz, S. G., and Badertscher, assignors.)
Hughes, Ezra T. (See Brown, M. J., and Hughes.)
Huijser, Hendrik W., and C. N. Jacobus de Nooijer, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Oil-soluble high-molecular weight compounds and their preparation. 2,259,934; Oct. 21.
Hull, Carl M., assignor to Standard Oil Company, Chicago, Ill. Preparation of sulphur and chlorine containing polymers. 2,259,695; Oct. 21.

Hull, Edwin H., Schenectady, N. Y., assignor to General Electric Company. Flexible supporting arrangement. 2,260,029; Oct. 21.
Hullhorst, William B., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Conveyer. 2,259,748; Oct. 21.
Hulst, Clarence P., New York, N. Y. Burglar alarm. 2,259,696; Oct. 21.
Hunsicker, Clyde L., San Francisco, Calif. Hair drying apparatus. 2,259,749; Oct. 21.
Hunt, Seymour, Jackson Heights, N. Y., assignor to Radio Corporation of America. Frequency modulated wave detector. 2,259,891; Oct. 21.
Hurst, Roy D., Los Angeles, Calif. Soldering iron apparatus. 2,260,030; Oct. 21.
Hutcheson, John A., Catonsville, Md., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Vibration motor. 2,259,565; Oct. 21.
Hydraulic Development Corporation, The. (See Ernst, W., Shaw, Pocock, and Booher, assignors.)
Hydraulic Press Corp., The. (See MacMillin, Howard F., assignor.)
Hydraulic Press Corporation, The. (See Shaw, V. S., and Hubbert, assignors.)
Hyman, Benjamin M., Moline, Ill., assignor to International Harvester Company. Tractor mounted corn picker and husker. 2,259,892; Oct. 21.
Hyman, Benjamin M., Moline, Ill., assignor to International Harvester Company. Corn picker. 2,259,893; Oct. 21.
Iams, Harley, Berkley Heights, N. J., assignor to Radio Corporation of America. Electronic relay device. 2,259,507; Oct. 21.
Imperial Chemical Industries. (See Baldwin, A. W., Piggott, and Statham, assignors.)
Imperial Chemical Industries Limited. (See Lefebure, V., and Sandford, assignors.)
Industrial Patents Corporation. (See Walter, Charles T., assignor.)
Industrial Rayon Corporation. (See Jannell, William, assignor.)
International Cigar Machinery Company. (See Clausen, Sigurd, assignor.)
International Harvester Company. (See Baker, D. B., Rogers, and Bechman, assignors.)
International Harvester Company. (See Benjamin, Bert R., assignor.)
International Harvester Company. (See Harstick, William H., assignor.)
International Harvester Company. (See Hilblom, Samuel E., assignor.)
International Harvester Company. (See Hipple, James L., assignor.)
International Harvester Company. (See Hyman, Benjamin M., assignor.)
International Harvester Company. (See Johnston, Edward A., assignor.)
International Harvester Company. (See Raney, Russell R., assignor.)
International Harvester Company. (See Smith, Hiram P., assignor.)
International Multifeed Drills, Ltd. (See Hoffar, Henry S., assignor.)
Jacobi, Helmut, and W. Flemming, Ludwigshafen-on-the-Rhine, Germany. Rubberlike condensation products. 2,259,470; Oct. 21.
Jacobi, Karl J., assignor to United States Potash Company, Carlsbad, N. Mex. Treatment of natural sodium magnesium brines. 2,260,250; Oct. 21.
Jaeckel, Georg. (See Möller, R., Schwartz, and Jaeckel.)
Jahns, Edward R., assignor to Tung-Sol Lamp Works, Inc., Newark, N. J. Thermionic circuits and method. 2,259,471; Oct. 21.
Jaite Company, The. (See Orr, Howard H., assignor.)
Jalbert, Adrien L., Haverhill, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Machine for treating shoes. 2,259,566; Oct. 21.
James, Harold V., Denver, Colo. Rasp wheel. 2,259,820; Oct. 21.
James, William H. (See Berger, H. G., James, and Badertscher.)
Jannell, William, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Apparatus for processing thread or the like. 2,260,251; Oct. 21.
Jefferies, William H., Moylan Pa. Adjustable paddle wheel for dyeing machines. 2,260,075; Oct. 21.
Jehle, Kurt, Dessau, and K. Schmauder, Bitterfeld, Germany, assignors, by mesne assignments to W. H. Duisberg, New York, N. Y. Apparatus for making continuous sliver of rayon staple fibers. 2,259,697; Oct. 21.
Jennings, Lawrence D., F. J. Ramik, and H. E. Criner, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Demolition bomb. 2,260,142; Oct. 21.
Johannessohn, Fritz, Mannheim-Feudenheim, and H. Hatzig, Mannheim-Waldhof, Germany, assignors to Rare Chemicals, Inc., Nepera Park, N. Y. Physiologically effective substance and preparing same. 2,259,698; Oct. 21.
John, Fritz, and A. Steinbecher, assignors to the firm Forschungsanstalt Prof. Junkers Gesellschaft mit beschränkter Haftung, Munich-Allach, Germany. Free piston engine. 2,260,252; Oct. 21.
Johnson, Arthur A., assignor to Casco Products Corporation, Bridgeport, Conn. Fender guide. 2,260,253; Oct. 21.
Johnson, Carl E., Pasadena, and E. Mendenhall, assignors to Sterling Electric Motors, Inc., Los Angeles, Calif. Enclosed variable-speed device. 2,259,567; Oct. 21.
Johnson, Clarence, Cleveland Heights, Ohio, assignor to Bailey Meter Company. Duplicator for machine tools. 2,259,472; Oct. 21.
Johnson, George T., and H. H. Wolfe, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Draft attachment for railway cars. 2,260,076; Oct. 21.
Johnson, Guy R., Rochester, Minn. Cutter bar construction. 2,259,750; Oct. 21.
Johnson, Ira E., Huntington Woods, assignor to Chrysler Corporation, Highland Park, Mich. Doorstop. 2,259,821; Oct. 21.
Johnson, Wallace C., Shaker Heights, Ohio. Method of and apparatus for enameling. 2,259,935; Oct. 21.
Johnson, William H., Cranston, assignor to Weskenson Corporation, Providence, R. I. Roller clutch. 2,259,473; Oct. 21.
Johnston, Charles F., Oakland, Calif. Piston ring. 2,260,031; Oct. 21.
Johnston, Edward A., Chicago, Ill., assignor to International Harvester Company. Cotton picker. 2,259,894; Oct. 21.
Jones, Homer W., Westfield, N. J., assignor to Oxweld Acetylene Company. Method of and apparatus for severing metal stock. 2,259,955; Oct. 21.
Jones, Homer W., Westfield, N. J., assignor to The Linde Air Products Company. Blowpipe apparatus. 2,259,956; Oct. 21.
Jones, Ira B. (See Woodruff, G. T., and Jones.)
Jones, Leo D., assignor to The Sharples Corporation, Philadelphia, Pa. Centrifugal machine. 2,259,643; Oct. 21.
Jones, Lucian N. (See Atwood, W. L., Jones, and Smith.)
Jones, Stanley, Glencullen, Oreg. Razor. 2,259,474; Oct. 21.
Jung, Fritz, Darmstadt, Germany, assignor to Merck & Co. Inc., Rahway, N. J. Preparing durohydroquinone. 2,259,936; Oct. 21.
Junkers Flugzeug-und-Motorenwerke, A. G., Dessau, Germany. (See Bake, Kurt, assignor.)
Juve, Walter H., Akron, assignor to The Monarch Rubber Company, Hartville, Ohio. Making polished rubber articles. 2,260,143; Oct. 21.
Kaiser, Arnold W., and H. C. Rusch, Milwaukee, assignors to Nash-Kelvinator Corporation, Kenosha, Wis. Seat construction. 2,260,032; Oct. 21.
Kalischer, Milton, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Air conditioning apparatus. 2,260,275; Oct. 21.
Kallmann, Heinz E. (See Miller, H., and Kallmann.)
Kansas City Broom Company. (See Bohnenblust, Alvin A., assignor.)
Katz, George, New York, N. Y. Time setting mechanism for radio receivers. 2,260,144; Oct. 21.
Kearney, Arthur R., Westminster, London, England. Fuel injection system for internal combustion engines. 2,260,077; Oct. 21.
Kelley, Thomas J., Jr., Webster Groves, Mo., assignor to The Stewart Iron Works Company, Covington, Ky. Institutional communication window. 2,259,751; Oct. 21.
Kellogg, M. W., Co. (See McNutt, Louis C., assignor.)
Kellogg, M. W., Co., The. (See Mikesh, Martin A., assignor.)
Kellogg, M. W., Company, The. (See Myddleton, William W., assignor.)
Kellogg, M. W., Company, The. (See Nelly, H. M., Jr., and Rubin, assignors.)
Kellogg, M. W., Company, The. (See Nofsinger, Lewis E., assignor.)
Kelly, Daniel A., assignor to The Prime Manufacturing Company, Milwaukee, Wis. Grease fitting. 2,259,977; Oct. 21.
Kestell, Thomas A., and W. R. Barclay, Leicester, England, assignors to United Shoe Machinery Corporation, Flemington, N. J. Heel-attaching machine. 2,259,568; Oct. 21.
Kienle, Roy H., Bound Brook, N. J., and W. J. Scheiber, Schenectady, N. Y., assignors to General Electric Company. Preparation of urea-formaldehyde resinous molding compositions. 2,260,033; Oct. 21.
Kienlen, Alex, assignor to Container Corporation of America, Chicago, Ill. Carton. 2,259,822; Oct. 21.
Killefer ManufacturingCorporation. (See Vaughn, Jesse A., assignor.)
Kim, Joseph. (See Vernet, S., Kim, and Leiserson.)
Kimple, Louie C., assignor to Dixie Wax Paper Company, Dallas, Tex. Manufacturing duplex bags. 2,259,752; Oct. 21.
Kimple, Louie C., assignor to Dixie Wax Paper Company, Dallas, Tex. Apparatus for manufacturing duplex bags. 2,260,225; Oct. 21.
King, Dean W., San Mateo, Calif. Pistol balance. 2,259,509; Oct. 21.
Kirkham, John S., Waterloo, New South Wales, Australia, assignor to Mechanite Metal Corporation, Pittsburgh, Pa. Introducing alloying material. 2,260,226; Oct. 21.

Kistler, Samuel S., West Boylston, Mass., assignor by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerizing and molding unsaturated methylene compounds. 2,259,524; Oct. 21.

Klaucke, Hermann, Worcester, Mass., assignor to Chain Belt Company, Milwaukee, Wis. Roller chain sprocket wheel. 2,259,937; Oct. 21.

Kling, Louis A., Detroit, Mich. Removing deposit from hot water piping. 2,259,644; Oct. 21.

Klumb, Stanley G., Milwaukee, Wis. Electric fence. 2,259,570; Oct. 21.

Klyce, Stephen D., Lexington, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Coating apparatus. 2,259,571; Oct. 21.

Knudsen, Brede. (See Edwards, T. J., and Knudsen.)

Knutsen, Bernt, Brooklyn, and J. W. Quis, Maspeth, Long Island, assignors to Callahan Can Machine Co., Inc., Brooklyn, N. Y. Punch press. 2,260,182; Oct. 21.

Koch, Gustav H., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Fan guard. 2,259,853; Oct. 21.

Koenig, Franz, Walldorf, near Frankfort-on-the-Main, Germany, assignor, by mesne assignments, to Chemical Marketing Company Inc., New York, N. Y. Manufacture of aliphatic carboxylic acid anhydrides. 2,259,895; Oct. 21.

Koerner, Lawrence F., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric crystal holder. 2,259,957; Oct. 21.

Koether, Emil A., Baltimore, Md., assignor to Koppers Company, Pittsburgh, Pa. Apparatus for reconditioning engine cylinders. 2,259,475; Oct. 21.

Koppers Company. (See Koether, Emil A., assignor.)

Krautz, Erich, Berlin-Charlottenburg, and W. Meyer, Berlin-Birkenwerder, Germany, assignors to General Electric Company. Ceramic materials. 2,260,034; Oct. 21.

Krieger, Louis, Paris, France, assignor to General Electric Company. Refractory insulating material and making same. 2,260,035; Oct. 21.

Kruse, Norman F., Decatur, and W. L. Soldner, Berne, assignors to Central Soya Company, Inc., Fort Wayne, Ind. Making soybean products. 2,260,254; Oct. 21.

Kucera, Joseph B., Clark Township, Tama County, Iowa. Tractor hitch mechanism. 2,259,753; Oct. 21.

Kucher, Andrew A., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,260,145; Oct. 21.

Kuehni, Hans P., Schenectady, N. Y., assignor to General Electric Company. Transmission dynamometer. 2,260,036; Oct. 21.

Kurkjian, Yervant H., Hawthorne, N. J. Flush tank valve. 2,260,078; Oct. 21.

Kwieraga, Andrew P., New Haven, Conn. Skate clamp. 2,259,572; Oct. 21.

Lake, George R., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Recovering nitrogen compounds. 2,259,896; Oct. 21.

Lambert, Louis F. (See Stoller, Benjamin B., assignor.)

Lancaster, William R. (See Black, G. A., Lancaster, and Dahl.)

Landis, Quick, Bronx, assignor to Standard Brands Incorporated, New York, N. Y. Viscosimetric apparatus. 2,259,525; Oct. 21.

Landon, Walter S., assignor to Detroit Lubricator Company, Detroit, Mich. Heating system and control means therefor. 2,259,645; Oct. 21.

Lane, Edward, Los Angeles, Calif. Door opening device. 2,260,080; Oct. 21.

Lane, John T. (See Wilson, C. M., and Lane.)

Lang, Henry T., assignor to Electric Vacuum Cleaner Company, Inc., Cleveland, Ohio. Coupling. 2,260,038; Oct. 21.

Langel, Adrien L., assignor to Chicago Metallic Manufacturing Company, Chicago, Ill. Ring mold. 2,259,854; Oct. 21.

Larson, Conrad N., San Francisco, Calif. Lens cleaner. 2,259,699; Oct. 21.

Lauck, Albert G. (See Politsch, V. G., and Lauck.)

Lawson, Reginald W., and E. E. Verdiers, London, England. Electrolytic preparation of powdered silk containing colloidal metals. 2,260,276; Oct. 21.

Lawson, Robert H., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Selector means for knitting machines. 2,259,897; Oct. 21.

Layman, Ralph E., Jr. (See West, H. J., and Layman.)

Layng, Edwin T., assignor to The Polymerization Process Corporation, Jersey City, N. J. Conversion of hydrocarbons. 2,259,754; Oct. 21.

Lazarus, Peter L., St. Louis, Mo. Foot-balancing and cushioning means. 2,260,037; Oct. 21.

Leary, James W., Bloomfield, N. J., assignor to American Machine and Foundry Company. Paster. 2,260,255; Oct. 21.

Leckrone, Roy J., assignor to Blaw-Knox Company, Pittsburgh, Pa. Apparatus for doubling packs. 2,259,700; Oct. 21.

Lefebure, Victor, London, and J. B. Sandford, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Molding of sheets from plastic masses. 2,260,081; Oct. 21.

Legros, Victor E., Fitchburg, Mass. Binder mechanism for skis. 2,259,701; Oct. 21.

Leibe, Frank A. (See Benning, H. H., and Leibe.)

Leiserson, Joseph L. (See Vernet, S., Kim and Leiserson.)

Leiter, Harry H. (See Longfellow, Earl E., assignor.)

Leitzel, Raymond H. (See Cumming, J. M., and Leitzel.)

Leland Stanford Junior University, Board of Trustees of The. (See Hansen, W. W., Varian, and Woodyard, assignors.)

Le Mare, Ernest B., St. Helens, England, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for producing a continuous glass strip. 2,259,755; Oct. 21.

Lemont, Clarence J., South Milwaukee, assignor to Line Material Company, Milwaukee, Wis. Insulator. 2,259,526; Oct. 21.

Leroy, Everett R. (See Hicks, R. M., and Leroy.)

Lescher, Greene G., Glendale, Calif. Oil stick wiper. 2,259,898; Oct. 21.

Leslie, Freeland H., Chicago, Ill. Punch press and punch and die set holder. 2,260,183; Oct. 21.

Levenhagen, Arthur J., Chicago, and R. F. Morrison, Oak Park, assignors to Ditto, Incorporated, Chicago, Ill. Duplicating mechanism. 2,260,040; Oct. 21.

Lever Brothers Company. (See Andersen, Carl N., assignor.)

Levoy, Louis G., Jr., Schenectady, N. Y., assignor to General Electric Company. Electric control system. 2,260,039; Oct. 21.

Levy, Cyril C., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrode control system. 2,259,958; Oct. 21.

Lewis, Lloyd V., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Remote control system. 2,259,573; Oct. 21.

Libbey Glass Company. (See Bennett, Edward H., assignor.)

Libbey-Owens-Ford Glass Company. (See Alexander, Harold M., assignor.)

Libbey-Owens-Ford Glass Company. (See Bowers, Harold E., assignor.)

Libbey-Owens-Ford Glass Company. (See Drake, John L., assignor.)

Libbey-Owens-Ford Glass Company. (See Le Mare, Ernest B., assignor.)

Libbey-Owens-Ford Glass Company. (See Morris, Joseph R., assignor.)

Libbey-Owens-Ford Glass Company. (See Putnam, Erle T., assignor.)

Libbey-Owens-Ford Glass Company. (See Zellers, James T., assignor.)

Liebburg, Max E., Basle, Switzerland. Theater construction. 2,259,646; Oct. 21.

Liese, Herman H. (See Gruening, W. E., and Liese.)

Lillquist, Arvid E., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Selective control system for power driven machine tools. 2,259,574; Oct. 21.

Lincoln, John C. (See Neely, William H., assignor.)

Linde Air Products Company, The. (See Jones, Homer W., assignor.)

Lindsay Engineering & Mfg. Corp. (See Lindsay, Robert M., assignor.)

Lindsay, Robert M., Oak Park, assignor to Lindsay Engineering & Mfg. Corp., Chicago, Ill. Valve structure. 2,259,756; Oct. 21.

Lippincott, Samuel B., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Production of dioximes and isoxazoles. 2,260,256; Oct. 21.

Logan, Frank G., Mount Vernon, N. Y., assignor to Ward Leonard Electric Company. Apparatus for controlling electric circuits. 2,260,146; Oct. 21.

Lorenz, C., Aktiengesellschaft. (See Hagen, Wolfgang, assignor.)

Lorenz, C., Aktiengesellschaft. (See Hahnemann, Walter M., assignor.)

Lorenz, C., Aktiengesellschaft. (See Herriger, Felix, assignor.)

Lorenz, C., Aktiengesellschaft. (See Scharfnagel, Rudolf, assignor.)

Lorenz, C., Aktiengesellschaft. (See Wiessner, Alfred, assignor.)

Lundberg, John L., and E. F. Smith, Wyoming, Ohio, and W. B. Snyder, Chicago, Ill., assignors to The Philip Carey Manufacturing Company. Spring lock nut. 2,260,147; Oct. 21.

Line Material Company. (See Lemont, Clarence J., assignor.)

Linhard, Povl T., Rumson, N. J., assignor to F. L. Smidth & Co., New York, N. Y. Preheating apparatus. 2,259,702; Oct. 21.

Linotype and Machinery Limited. (See Scott, R. H., Gorse, and Hayward, assignors.)

Lipe, W. C., Inc. (See Spase, Charles B., assignor.)

Lisle, Dallas V. (See Deitrich, E. C., and Lisle.)

Locke, Burton H., Lowell, Mass. Variable speed transmission. 2,259,823; Oct. 21.

Locke, William H. (See Green, J. A., Miller, F. C. and A. J., and Locke.)

Logan, Frank G., Mount Vernon, N. Y., assignor to Ward Leonard Electric Company. Electric controlling apparatus. 2,259,647; Oct. 21.

Lombardi, Leo, C. H. Spicer, and C. F. Christensen, Los Angeles, Calif. Bed chair. 2,260,070; Oct. 21.

Long, Hugh, Los Angeles, Calif. Universal tool. 2,259,899; Oct. 21.

Longfellow, Earl E., assignor to H. H. Leiter, Warsaw, Ind. Surgical frame for hospital beds. 2,259,757; Oct. 21.

Loomis, Albert G. (See Bent, F. A., and Loomis, assignors.)

Lopata, Stanley L. (See Goff, L. E., and Lopata.)

Lowder, Vander B., Concord, N. C. Automatic clutch release. 2,259,824; Oct. 21.

Loxterman, Henry R., Aspinwall, assignor to Blaw-Knox Company, Pittsburgh, Pa. Furnace door. 2,259,900; Oct. 21.

Lucas, Joseph E., Mercer Island, assignor of one-half to W. A. Castleton, Seattle, Wash. Bearing for tractors. 2,259,648; Oct. 21.

Luce, Grafton E., Brazil, Ind. Timing device for electric circuit operation. 2,259,758; Oct. 21.

Lufkin, Garland, Toledo, Ohio, assignor to Owens-Illinois Glass Company. Inhaler. 2,259,759; Oct. 21.

Luther, Newlon, New York, N. Y. Motor. 2,259,760; Oct. 21.

Lyon Metal Products, Incorporated. (See Bales, James E., assignor.)

M. C. O. Corporation. (See Overman, Max C., assignor.)

Mackay Radio & Telegraph Company. (See Alford, Andrew, assignor.)

MacKenzie, Wilbur L., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Shoe bottom cementing machine. 2,259,575; Oct. 21.

Mack Manufacturing Corporation. (See Manville, Keith R., assignor.)

Mack Manufacturing Corporation. (See Zeller, Theodore J., assignor.)

MacManus, John, Yonkers, assignor to Cushman's Sons Inc., New York, N. Y. Machine for twisting dough. 2,259,476; Oct. 21.

MacMillin, Howard F., Mount Gilead, Ohio, assignor to The Hydraulic Press Corp., Inc., Wilmington, Del. Press with dual sliding table. 2,259,576; Oct. 21.

Magnuson, Alfred V. (See Naylor, W. E., and Magnuson.)

Mahl, Hans. (See Boersch, H., Brüche, and Mahl.)

Mahl, Hans, Reinickendorf, A. Pendzich, Berlin, and E. Steudel, Berlin-Dahlem, Germany, assignors to General Electric Company. Electron microscope. 2,260,041; Oct. 21.

Mahle, Louis W., assignor to Frank H. Fleer Corporation, Philadelphia, Pa. Chewing gum material. 2,260,148; Oct. 21.

Manley, Ralph H., Arlington Heights, assignor to Clay Products Association, Chicago, Ill. Jointing composition. 2,259,761; Oct. 21.

Manning, George A. (See Bayer, Anna, and Manning.)

Mantle Lamp Company of America, The. (See Hall, Roy W., assignor.)

Manville, Keith R., Highland Park, N. J., assignor to Mack Manufacturing Corporation, Long Island City, N. Y. Synchronizing mechanism. 2,259,527; Oct. 21.

Markel Electric Products, Inc. (See Ripley, Duane L., assignor.)

Marker, Russel E., State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich. 3-halogeno-bis-norallo-cholanic acid compounds and producing them. 2,260,184; Oct. 21.

Marks Products Co. Inc. (See Grohsgal, Alexis C., assignor.)

Marquette Manufacturing Co. (See Akins, Clifford M., assignor.)

Marr, Urban T., assignor to Zwicker Knitting Mills, Appleton, Wis. Ornamented knitted wearing apparel manufacture. 2,260,117; Oct. 21.

Marr, Urban T., assignor to Zwicker Knitting Mills, Appleton, Wis. Ornamented knitted wearing apparel manufacture. 2,260,118; Oct. 21.

Marsh, Henry N., Wilmington, Del., and L. C. Weldin, Kenvil, N. J., assignors to Hercules Powder Company, Wilmington, Del. Ammunition. 2,260,257; Oct. 21.

Marshall, Jessie A., Boston, Mass. Fabric holder for mending and the like. 2,259,825; Oct. 21.

Marshall, William, assignor to Briggs Manufacturing Company, Detroit, Mich. Clutch assembly. 2,260,119; Oct. 21.

Martin, Jerome, assignor to Commercial Solvents Corporation, Terre Haute, Ind. Production of nitrohydrocarbons. 2,260,258; Oct. 21.

Martinet, Eugene F., assignor to The P. A. Geier Company, Cleveland, Ohio. Suction cleaner dust bag opening construction. 2,259,855; Oct. 21.

Martin-Parry Corporation. (See Small, Frederick M., assignor.)

Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Crystal controlled oscillator for ultra-high frequencies. 2,259,528; Oct. 21.

Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric crystal apparatus. 2,259,529; Oct. 21.

Matheson, George L., Union, N. J., assignor to Standard Oil Development Company. Purifying gas mixtures. 2,259,901; Oct. 21.

Matter, Albert J., Park Ridge, Ill. Drill holder. 2,260,086; Oct. 21.

Matthews, W. N., Corporation. (See Mosley, Carl E., assignor.)

Maucher, Hans, assignor to Norma Multikolor, Inc., New York, N. Y. Spring mechanism for lead carrier of magazine pencils. 2,259,649; Oct. 21.

Maxim Silencer Company, The. (See Bourne, Roland B., assignor.)

Maxwell, Robert W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical compound. 2,259,650; Oct. 21.

Mayer, Bruno, New York, N. Y. Camera shutter mechanism. 2,260,120; Oct. 21.

McCain, John D., Phoenix, Ariz. Solar heater. 2,259,902; Oct. 21.

McCarthy, William P., Los Angeles, Calif. Folding awning. 2,259,903; Oct 21.

McCauley, John H., Hillside, N. J., assignor to J. F. Frese, Baltimore, Md. Luminous advertising device. 2,260,082; Oct. 21.

McClure, Orlando J., Chicago, Ill. Sound-picture machine. 2,259,651; Oct. 21.

McDevitt, James B., Dennison, Ohio. Paper-hanging machine. 2,260,185; Oct. 21.

McDowell, Walter R., Chicago, and R. A. Winborne, Oak Park, assignors to Edison General Electric Appliance Company, Inc., Chicago, Ill. Control device. 2,260,083; Oct. 21.

McFarland, John W. (See Hanni, W. H., and McFarland.)

McGuire, Joseph J., Jessup, Pa. Keyless brake shoe. 2,260,227; Oct. 21.

McHale, Michael J., Scranton, Pa. Flier construction. 2,259,826; Oct. 21.

McKee, Arthur G., Cleveland, Ohio. Fractionating method and apparatus therefor. 2,259,762; Oct. 21.

McLean, David A., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Condenser dielectric and preparing it. 2,259,978; Oct. 21.

McLeish, Thurman J., Dighton, Kans. Filter device. 2,259,938; Oct. 21.

McMahan, Kenton D., Scotia, N. Y., assignor to General Electric Company. Ventilating system. 2,260,042; Oct. 21.

McNamee, Bernard F., and F. Rieber, Los Angeles, Calif. Method and apparatus for logging bore holes. 2,259,904; Oct. 21.

McNutt, Louis C., Scotch Plains, N. J., assignor to M. W. Kellogg Co., New York, N. Y. Examining metal for subsurface defects. 2,260,186; Oct. 21.

McOrlly, Joseph. See Wiegand, E. L., and McOrlly.)

McReynolds, John O., assignor to Chrysler Corporation, Highland Park, Mich. Control shackle for leaf springs. 2,259,827; Oct. 21.

Mechanite Metal Corporation. (See Kirkham, John S., assignor.)

Mee, Charles P. (See Waller, John A., assignor.)

Meek, John B., assignor to The Buckeye Forging Company, Cleveland, Ohio. Container and making same. 2,260,149; Oct. 21.

Meier, Erhard. (See Wassenegger, H., and Meier.)

Mendenhall, Earl. (See Johnson, C. E., and Mendenhall.)

Mercier, Jean, Paris, France. Bumper, especially applicable to railway vehicles. 2,260,277; Oct. 21.

Merck & Co. Inc. (See Dalmer, O., Diehl, and Pieper, assignors.)

Merck & Co. Inc. (See Jung, Fritz, assignor.)

Mergenthaler Linotype Company. (See Stouges, A. J., and Hilpman, assignors.)

Metallic Tag Company. (See Taylor, George H., assignor.)

Metro-Nite Company, The. (See Turow, Frank, assignor.)

Meyer, William H., St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Railway truck. 2,259,477; Oct. 21.

Meyer, Wilfried. (See Krautz, E., and Meyer.)

Meyers Company, The. (See Meyers, George T., assignor.)

Meyers, George T., assignor to The Meyers Company, Parkersburg, W. Va. Shear structure. 2,259,763; Oct. 21.

Meyers, George T., assignor to The Meyers Company, Parkersburg, W. Va. Shear structure. 2,259,764; Oct. 21.

Middleton, Hugh J., and J. A. Hashek, Toronto, Ontario, Canada, assignors to General Electric Company. Toaster. 2,260,043; Oct. 21.

Mikesh, Martin A., Lawrenceville, N. J., assignor to The M. W. Kellogg Co., New York, N. Y. Dispensing device. 2,260,259; Oct. 21.

Mikesh, Martin A., Lawrenceville, N. J., assignor to The M. W. Kellogg Co., New York, N. Y. Welding apparatus. 2,260,260; Oct. 21.

Mikolajczak, Peter P., Chicago, Ill. Filler cap lock. 2,259,652; Oct. 21.

Milas, Nicholas A., Belmont, and R. Heggie, Cambridge, Mass., assignors to Research Corporation, New York, N. Y. Preparation of synthetic antirachitic provitamins and vitamins. 2,260,085; Oct. 21.

Millard, John S., Brooklyn, assignor to Automatic Coin-wrapping Machine Corporation, New York, N. Y. Coin wrapper. 2,260,150; Oct. 21.

Miller, Abraham B., Newark, assignor to Hercules Powder Company, Wilmington, Del. Molding powder. 2,260,187; Oct. 21.

Miller, Arthur J. (See Green, J. A., Miller, Frank C. and A. J., and Locke.)

Miller, Charles T., Newark, N. J., assignor to Radio Corporation of America. Filamentary cathode support. 2,259,703; Oct. 21.

Miller, Frank C. (See Green, J. A., Miller, Frank C. and A. J., and Locke.)

Miller, Herbert, Des Moines, Iowa, assignor to Pittsburgh-Des Moines Steel Company, Pittsburgh, Pa. Preventing the freezing of riser pipes. 2,260,151; Oct. 21.

Miller, James B., Webster Groves, assignor to Mines Equipment Company, St. Louis, Mo. Wiring device. 2,260,121; Oct. 21.

Miller, Joseph N., McHenry, Ill. Fly swatter. 2,260,106; Oct. 21.

Miller, Kay, New Brunswick, assignor to Joseph Dixon Crucible Company, Jersey City, N. J. Machine and method for making paper-wrapped pencils. 2,259,959; Oct. 21.

Miller, Paul P., assignor to Dain Manufacturing Company of Iowa, Ottumwa, Iowa. Hay press. 2,259,530; Oct. 21.

Miller, Harold, Southall, England, and H. E. Kallmann, New York, N. Y., assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England. Magnetic electron lens. 2,259,531; Oct. 21.

Milliken, Humphreys, Mount Royal, Quebec, Canada. Gas-blast circuit breaker. 2,260,188; Oct. 21.

Mines Equipment Company. (See Miller, James B., assignor.)

Minneapolis-Honeywell Regulator Company. (See Simon, Andrew B., Jr., assignor.)

Mitchell Camera Corporation. (See Worrall, George H., assignor.)

Mitchell, William O., Billings, Mont. Plasterer's float. 2,259,653; Oct. 21.

Modern Collet & Machine Company. (See Baxendale, Samuel, assignor.)

Möller, Rolf, Berlin-Zehlendorf, E. Schwartz, Berlin-Lichterfelde, and G. Jaeckel, Berlin-Neukolln, assignors to the firm Fernseh Aktiengesellschaft, Zehlendorf, near Berlin, Germany. Projecting images. 2,260,228; Oct. 21.

Monarch Rubber Company, The. (See Juve, Walter H., assignor.)

Moncrieff, Veon I., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Valve tappet. 2,259,905; Oct. 21.

Monsanto Chemical Company. (See Talbot, William F., assignor.)

Monson, Louis T., Alhambra, and W. W. Anderson, Montebello, Calif., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Resolving petroleum emulsions. 2,259,704; Oct. 21.

Moodie, William C. (See Abbott, H., and Moodie.)

Moore, David W., Jr., New York, N. Y., assignor to Fairchild Aviation Corporation. Electrical control system. 2,260,122; Oct. 21.

Moore, Harold G., Wesleyville, Pa., assignor to General Electric Company. Control system. 2,260,044; Oct. 21.

Moore, Richard D., Birmingham, Ala. Sanitary guard for beverage bottles. 2,259,856; Oct. 21.

Morey, Glen H. (See Frey, F. E., Hepp, and Morey.)

Morey, Glen H., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Cyclic ketals and preparing same. 2,260,261; Oct. 21.

Morey, Glen H., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Purification of halogenated ketones. 2,260,262; Oct. 21.

Morgan, Charles G., assignor, by mesne assignments, to Consolidated Engineering Corporation, Pasadena, Calif. Geophysical exploration system. 2,259,478; Oct. 21.

Morgan, Harry W., Phillipsburg, N. J., and R. E. B. Wakefield, Easton, Pa., assignors to The Canister Company, Phillipsburg, N. J. Machine for making inner-liner laminated tubes. 2,259,577; Oct. 21.

Morgan, John C. (See Elvers, Roy E., assignor.)

Morgan, William E., Ridgefield, N. J., assignor to Sales Affiliates, Inc., New York, N. Y. Manufacture of the solid compound of hydrogen peroxide and urea. 2,259,479; Oct. 21.

Morris, Joseph R., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass breaking apparatus. 2,259,765; Oct. 21.

Morris, Thomas A., assignor to National Devices Corporation, Detroit, Mich. Manifold. 2,259,480; Oct. 21.

Morrison, Emmett G., Elgin, Ill. Brake. 2,260,189; Oct. 21.

Morrison, Robert F. (See Levenhagen, A. J., and Morrison.)

Morrison, Robert F., Oak Park, and G. E. Wimmer, assignors to Ditto, Incorporated, Chicago, Ill. Paper feeding means for duplicationg machines. 2,260,045; Oct. 21.

Morton, Henry E., Muskegon Heights, Mich. Cutting machine. 2,259,654; Oct. 21.

Morton, James, Carlisle, England. Needle and such-like of knitting machinery. 2,259,655; Oct. 21.

Mosley, Carl E., Overland, assignor to W. N. Matthews Corporation, St. Louis, Mo. Electrical cutout. 2,260,084; Oct. 21.

Mowers, Benjamin F., Elgin, Ill. Drag hitch for tandem disks. 2,259,828; Oct. 21.

Mowlds, Kenneth S., Baltimore, Md., assignor to the Glidden Company, Cleveland, Ohio. Treating pigments and making. 2,259,481; Oct. 21.

Mowlds, Kenneth S., Baltimore, Md., assignor to The Glidden Company, Cleveland, Ohio. Treating pigments and products produced thereby. 2,259,482; Oct. 21.

Mowlds, Kenneth S., Baltimore, Md., assignor to the Glidden Company, Cleveland, Ohio. Treating sulphide pigments. 2,259,483; Oct. 21.

Mowlds, Kenneth S., Baltimore, Md., assignor to The Glidden Company, Cleveland, Ohio. Treating calcined lithopone. 2,259,484; Oct. 21.

Moyer, Elmo E., Scotia, N. Y., assignor to General Electric Company. Electric valve system for dynamoelectric machines. 2,260,046; Oct. 21.

Muehter, Manfred W., Nutley, assignor to American District Telegraph Company, Inc., Jersey City, N. J. Polarized, two-wire, progressive, non-interfering signal system. 2,259,960; Oct. 21.

Muffly, Gary. (See Eckhardt, E. A., and Muffly.)

Muller, J. C., N. V. (See Röber, Constantin F., assignor.)

Multipost Company. (See Dummer, E. J., and Pinder, assignors.)

Murphy, Howard J., Greenwood, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Door latch. 2,259,766; Oct. 21.

Murphy, Joseph J., Dracut, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Lasting tool. 2,259,578; Oct. 21.

Myddleton, William W., New Malden, England, assignor, by mesne assignments, to The M. W. Kellogg Company, Jersey City, N. J. Dewaxing catalysts. 2,259,961; Oct. 21.

Myers, Leonard M. (See Young, A. J., and Myers.)

Myers, Philip B., Scarsdale, N. Y., assignor to Sardik Incorporated, Jersey City, N. J. Food product. 2,259,767; Oct. 21.

Nahme, Hans. (See Dohrn, M., and Nahme.)

Nash Kelvinator Corporation. (See Benzick, Alexander, assignor.)

Nash-Kelvinator Corporation. (See Kaiser, A. W., and Rusch, assignors.)

Nassau, Max, New York, N. Y. Manufacture of washing materials. 2,260,123; Oct. 21.

Nathan, Tracy D., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Pipe joint gasket. 2,259,940; Oct. 21.

National Bundle Tyer Company. (See Saxton, Albert H., assignor.)

National Cash Register Company, The. (See Patzelt, Julius, assignor.)

National Devices Corporation. (See Morris, Thomas A., assignor.)

National Lock Co. (See North, E. W., and Burke, assignors.)

National Pneumatic Company. (See Newkirk, John R., assignor.)

National Union Radio Corporation. (See Nicholson, Madison G., assignor.)

Naylor, Walter E., Chicago, and A. V. Magnuson, Berwyn, assignors to Champion Foundry and Machine Company, Chicago, Ill. Core making machine. 2,259,768; Oct. 21.

Neely, William H., Cleveland, Ohio, assignor to J. C. Lincoln, Scottsdale, Ariz. Spring clip connection for spring seat structures. 2,260,190; Oct. 21.

Neill, Harvey, Fort Valley, assignor to A. O. Bray Company, Griffin, Ga. Sack filling and weighing machine. 2,260,087; Oct. 21.

Nelly, Henry M., Jr., Jersey City, and L. C. Rubin, West Caldwell, N. J., assignors to The M. W. Kellogg Company, New York, N. Y. Controlling heat in catalytic reactions. 2,260,152; Oct. 21.

Nelson, Hernold P., Chicago, Ill. Cleaning and tinning soldering tools. 2,260,047; Oct. 21.

Neumann, Willy, Rollberg, Uber Bernau, near Berlin, Germany. Internal combustion engine fitment. 2,259,656; Oct. 21.

Neustadt, Herbert M., Nutley, N. J., assignor to Radio Corporation of America. Automatic gain control circuit. 2,259,906; Oct. 21.

Newell, Heber L., Stratford, Conn., assignor to General Electric Company. Fastening arrangement. 2,260,048; Oct. 21.

Newhouse, Ray C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Apparatus for regulating pulp level in ball mills. 2,259,769; Oct. 21.

Newkirk, John R., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Spring return push door. 2,259,579; Oct. 21.

Niagara Screens & Machines Limited. (See Stroud, Robert, assignor.)

Nicholson, Madison G., Verona, assignor to National Union Radio Corporation, Newark, N. J. Method and circuit for reducing the effect of noise pulses. 2,259,532; Oct. 21.

Nickel, Frank J., Jr., Belair, Md. Tuning device for string instruments. 2,260,049; Oct. 21.

Nickle, Clifford A. (See Alexanderson, E. F. W., Patterson, and Nickle.)

Nied, Herman F. (See Schafer, C. C., and Tollefson, and Nied.)

Noder, Anna, Munich, Germany, assignor to Buffalo Electro-Chemical Company, Inc., Buffalo, N. Y. Desizing artificial silk. 2,260,050; Oct. 21.

Nofsinger, Lewis E., Livingston, assignor to The M. W. Kellogg Company, Jersey City, N. J. Apparatus for hydrocarbon conversion. 2,260,153; Oct. 21.

Non-Sinkable Bathing Suit Corporation of America. (See Sommers, A. L., and Block, assignors.)

Norberg, William A., assignor to Rowe Manufacturing Company, Galesburg, Ill. Overhead door construction. 2,259,970; Oct. 21.

Norma Multikolor, Inc. (See Maucher, Hans, assignor.)

North, Edwin W., and W. O. Burke, assignors to National Lock Co., Rockford, Ill. Refrigerator latch. 2,260,154; Oct. 21.

Northern Blower Company. (See Bacon, H. P., and Elben, assignors.)

Nove, Sidney, Winchendon, Mass. Receptacle cover. 2,259,770; Oct. 21.

Nutter, Frank E., and E. I. Spence, assignors to Goodall Worsted Company, Sanford, Maine. Spinning single ply yarn comprising a blend of relatively long fibers and relatively short fibers. 2,260,229; Oct. 21.

Nyhagen, Richard M., Jr., Chicago, Ill. Building construction. 2,259,829; Oct. 21.

Oberly, Chester C., assignor to Tokheim Oil Tank and Pump Company, Fort Wayne, Ind. Dispensing pump. 2,259,771; Oct. 21.

Oblad, Alex G. (See d'Ouville, E. L., Evering, and Oblad.)

Oder, Thomas W., et al. (See Elsloo, Henry F., assignor.)

Olney, Benjamin, Brighton, assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Sound reproducing system. 2,259,907; Oct. 21.

Olson, Adrian A., St. Paul, Minn. Container. 2,260,230; Oct. 21.

Operadio Manufacturing Company. (See Stone, J. M., and Weibler, assignors.)

Ornstein, David, New York, N. Y. Rotatable watch for pendants and the like. 2,259,580; Oct. 21.

Orr, Howard H., Cleveland, assignor to The Jaite Company, Jaite, Ohio. Machine and method for manufacturing bags. 2,260,191; Oct. 21.

Orr, Howard H., Cleveland, assignor to The Jaite Company, Jaite, Ohio. Container and bag. 2,260,192; Oct. 21.

Osborne, Raymond G., Los Angeles, Calif. Beater for fiber plant stock. 2,259,830; Oct. 21.

Ostendorf, William L., Rayland, Ohio. Grease gun. 2,259,857; Oct. 21.

Overman, Max C., assignor, by mesne assignments, to M. C. O. Corporation, New York, N. Y. Nonskid tire. 2,260,193; Oct. 21.

Owen, Herbert L., Los Angeles, Calif., assignor to V-Way Shingle Products, Inc. Shingle. 2,259,962; Oct. 21.

Owens, Harvey M., Leominster, Mass. Display card. 2,259,772; Oct. 21.

Owens-Illinois Glass Company. (See Bridges, Donald A., assignor.)

Owens-Illinois Glass Company. (See Hullhorst, William B., assignor.)

Owens-Illinois Glass Company. (See Lufkin, Garland, assignor.)

Owens-Illinois Glass Company. (See Politsch, V. G., and Lauck, assignors.)

Oxweld Acetylene Company. (See Jones, Homer W., assignor.)

Paccadolmi, Michael, Ridgefield, Conn. Light support. 2,260,091; Oct. 21.

Padgett, Joseph E., Toledo, Ohio. Universal joint. 2,259,657; Oct. 21.

Papineau, Victor D., Athol, Mass. Combination game. 2,259,773; Oct. 21.

Pardee, Harvey S., Ravinia, Ill. Traffic separator. 2,260,051; Oct. 21.

Parke, Davis & Company. (See Marker, Russell E., assignor.)

Parker, James H., Jr., Blossvale, N. Y. Traffic signal. 2,260,231; Oct. 21.

Parker, William N., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa. Modulating system. 2,259,658; Oct. 21.

Pass & Seymour, Inc. (See Despard, Victor R., assignor.)

Passavant, Evelyn, Los Angeles, Calif. Cloth material and preparing the same. 2,260,052; Oct. 21.

Patterson, Franklin G. (See Alexanderson, E. F. W., Patterson, and Nickle.)

Patterson, Robert. (See Wiggins, L. A., and Patterson.)

Patzelt, Julius, Berlin, Germany, assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 2,259,581; Oct. 21.

Payne, Donald E., assignor to Standard Oil Company, Chicago, Ill. Catalyst recovery. 2,259,487; Oct. 21.

Pendzich, Adolf. (See Mahl, H., Pendzich, and Steudel.)

Penote, Vincent S., Cleveland, and A. R. Askue, Mentor, assignors to The Cleveland Trencher Company, Cleveland, Ohio. Trenching machine. 2,259,659; Oct. 21.

Perfection Frocks. (See Costanza, Lucy, assignor.)

Perkins, Charles M., Albion, Ill. Automobile control mechanism. 2,259,774; Oct. 21.

Perkins, Raymond A., near Elwood, assignor of one-half to V. G. Collier, Elwood, Ind. Cement bag cutting means. 2,259,775; Oct. 21.

Perky, Scott H., and C. L. Crum, Dayton, Ohio. Nutrient beverage. 2,259,582; Oct. 21.

Perry, Francis W., Dormont, assignor to E. L. Wiegand, Pittsburgh, Pa. Electric heater. 2,260,107; Oct. 21.

Petro-Chem Development Company. (See Throckmorton, John W., assignor.)

Petrolite Corporation, Ltd. (See Monson, L. T., and Anderson, assignors.)

Pfauser, Edward M., Elm Grove, assignor to Blackhawk Mfg. Co., Milwaukee, Wis. Spring spreader. 2,259,533; Oct. 21.

Pfizer, Charles, & Company. (See Davenport, J. L., and De Costa, assignors.)

Pflugmann, George, Basel, Switzerland. Device for pulling down the heel portion of sports boots. 2,259,831; Oct. 21.

Philco Radio and Television Corporation. (See Parker, William N., assignor.)

Phillips Petroleum Company. (See Frey, F. E., Hepp, and Morey, assignors.)

Phillips, Valentine J., Johnstown, Pa. Writing machine. 2,260,232; Oct. 21.

Pickley, Leonard B., assignor to Walt Disney Productions, Los Angeles, Calif. Creating cartoon effects. 2,260,092; Oct. 21.

Pidot, Samuel L., Chicago, Ill. Curtain holder. 2,260,194; Oct. 21.

Pieper, Hartmann. (See Dalmer, Otto, Diehl, and Pieper.)

Pierce, Edward R., Washington, D. C. Typist's erasure guard. 2,260,089; Oct. 21.

Piggott, Henry A. (See Baldwin, A. W., Piggott, and Statham.)

Pinder, Ernest L. (See Dummer, E. J., and Pinder.)

Piron, Emil H., assignor to Transit Research Corporation, New York, N. Y. Wheel and plate structure. 2,259,776; Oct. 21.

Pittsburgh Annealing Box Company. (See Deahl, Kenneth J., assignor.)

Pittsburgh-Des Moines Steel Company. (See Miller, Herbert, assignor.)

Platt, Stephen A., Nutley, assignor to Wilbur B. Driver Company, Newark, N. J. Automatic coil winding machine. 2,260,053; Oct. 21.

Platt, Stephen A., Nutley, assignor to Wilbur B. Driver Company, Newark, N. J. Turn spacing device for coils. 2,260,054; Oct. 21.

Plewes, Argyle C. (See Eversole, J. F., and Plewes.)

Plummer, William B., assignor to Standard Oil Company, Chicago, Ill. Catalyst purging. 2,259,485; Oct. 21.

Pocock, Paul C. (See Ernst, W., Shaw, Pocock, and Booher.)

Polaroid Corporation. (See Grabau, Martin, assignor.)

Politsch, Verney G., and A. G. Lauck, Alton, Ill., assignors to Owens-Illinois Glass Company. Apparatus for depositing sulphur pellets in glass containers. 2,259,777; Oct. 21.

Pollard, Charles E. (See Flanders, P. B., and Pollard.)

Pollard, Charles E., Hohokus, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical switch. 2,259,661; Oct. 21.

Polydoroff, Wladimir J., Wilmette, Ill. Radio tuning arrangement. 2,260,088; Oct. 21.

Polymerization Process Corporation, The. (See Layng, Edwin T., assignor.)

Popik, David D., escrowee. (See Wandell, James W., assignor.)

Postel, Karl T., Flushing, N. Y. Writing implement and calendar. 2,260,090; Oct. 21.

Potter, Carson C. (See Berthold, Albert F., assignor.)

Power Research Corporation. (See Bowers, Thomas A., assignor.)

Powers Accounting Machines Limited. (See Thomas, A., and Holden, assignors.)

Praedel, Arnold V., Milwaukee, Wis., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Edge finishing shoe parts. 2,259,583; Oct. 21.

Prance, Alvin W., Pleasant Ridge, assignor to Briggs Manufacturing Company, Detroit, Mich. Assist cord assembly. 2,260,124; Oct. 21.

Prance, Alvin W., Huntington Woods, assignor to Briggs Manufacturing Company, Detroit, Mich. Door handle assembly. 2,260,125; Oct. 21.

Prebilt Housing Corporation. (See Hasenburger, H., and Corbett, assignors.)

Prentice, Edward V., Portland, Oreg. Log barking machine. 2,259,584; Oct. 21.

Price, Thomas W. (See Davis, H. R., and Price.)

Prime Manufacturing Company, The. (See Kelly, Daniel A., assignor.)

Primeaux, Ely, Alexandria, La. Surface polisher. 2,259,941; Oct. 21.

Pullen, Fred W. (See Hall, W. G., and Pullen.)

Putnam, Erle T., Detroit, Mich., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Building block. 2,259,778; Oct. 21.

Quis, John W. (See Knutsen, B., and Quis.)

Radio Corporation of America. (See Banks, George B., assignor.)

Radio Corporation of America. (See Baumgartner, Heinrich, assignor.)
Radio Corporation of America. (See Braden, Rene A., assignor.)
Radio Corporation of America. (See Hunt, Seymour, assignor.)
Radio Corporation of America. (See Iams, Harley, assignor.)
Radio Corporation of America. (See Miller, Charles T., assignor.)
Radio Corporation of America. (See Neustadt, Herbert M., assignor.)
Radio Corporation of America. (See Rinia, Herre, assignor.)
Radio Corporation of America. (See Young, A. J., and Myers, assignors.)
Raiche, Paul A., North Providence, R. I., assignor to Davol Rubber Company. Catheter and the like. 2,259,488; Oct. 21.
Rainville, Omer J., South Attleboro, Mass. Pocket comb. 2,260,093; Oct. 21.
Ramik, Frank J. (See Jennings, L. D., Ramik, and Criner.)
Raney, Russell R., Auburn, N. Y., assignor to International Harvester Company. Pickup baler. 2,259,908; Oct. 21.
Rare Chemicals, Inc. (See Johannessohn, F., and Hatzig, assignors.)
Ray Oil Burner Co. (See Henriksen, Harvey E., assignor.)
Reardon, Robert T., Fort Wayne, Ind., assignor to General Electric Company. Magnetic tool. 2,260,055; Oct. 21.
Reconstruction Finance Corporation. (See de Ganahl, Carl, assignor.)
Recordgraph Corporation. (See Flood, Henry, Jr., assignor.)
Reed, George F., assignor to M. M. Reed, Pittsburgh, Pa. Changeable illuminated sign. 2,259,909; Oct. 21.
Reed, Myrtle M. (See Reed, George F., assignor.)
Reid, Ebenezer E., Baltimore, Md. Musical instrument. 2,259,858; Oct. 21.
Remington Arms Company. (See Barnes, Charles H., assignor.)
Renier, William S., Providence, R. I., assignor to Brown and Sharpe Manufacturing Company. Actuating and control mechanism for machine tools. 2,259,489; Oct. 21.
Research Corporation. (See Milas, N. A., and Heggie, assignors.)
Revere Camera Company. (See Sperry, Philmore F., assignor.)
Reynolds, Arthur T., Brooklyn, N. Y., and W. F. Todé, Radburn-Fairlawn, N. J. Seat and mattress construction. 2,259,534; Oct. 21.
Ricardo, Harry R., London, England. Two cycle internal combustion engine. 2,259,660; Oct. 21.
Rich Manufacturing Company. (See Rich, Maurice, Jr., assignor.)
Rich, Maurice, Jr., assignor to Rich Manufacturing Company, Clinton, Iowa. Chime ringer. 2,260,195; Oct. 21.
Richardson, Roger W., Westfield, N. J., assignor to Standard Oil Development Company. Oxidation inhibitor. 2,259,861; Oct. 21.
Rieber, Frank. (See McNamee, B. F., and Rieber.)
Rieche, Alfred. (See Caro, G., Rieche, Rudloph, and Wassengger.)
Ring, Thomas P. (See Crosby, H. S., and Ring.
Rinia, Herre, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Volume control circuit. 2,259,860; Oct. 21.
Ripley, Duane L., assignor to Markel Electric Products, Inc., Buffalo, N. Y. Electric heater. 2,260,233; Oct. 21.
Ritchie, Claude W., Bealeton, Va. Fluid operated closure system. 2,259,705; Oct. 21.
River Raisin Paper Company. (See Hollingsworth, Edward C., assignor.)
Röber, Constantin F., Dresden, Germany, assignor, by mesne assignments, to J. C. Muller N. V., Rotterdam, Holland. Detachable face plate for suction heads. 2,260,263; Oct. 21.
Roberts, Julius O., Kansas City, Mo. Wood surface scraper. 2,259,662; Oct. 21.
Robertson, H. H., Company. (See Wiesmann, Joseph W., assignor.)
Robinson, John E., Glen Ellyn, Ill., assignor to American Can Company, New York, N. Y. Adhesive composition. 2,259,490; Oct. 21.
Roblin, Richard O., Jr. (See Anderson, G. W., and Roblin, Jr.)
Rochester Sash Balance Co. (See Rosentreter, Albert J., assignor.)
Rogers, Clifford R. (See Baker, D. B., Rogers, and Bechman.)
Rolain, Vaughn, Green Bay, Wis., assignor to Dictaphone Corporation, New York, N. Y. Record resurfacing machine. 2,259,585; Oct. 21.
Rolfe, George B., assignor to Evershed & Vignoles Limited, Chiswick, London, England. Instrument for measurment of electrical resistance. 2,260,234; Oct. 21.
Rolland Glass Company. (See Hinkle, Leslie A., assignor.)
Roller, Paul S., Berwyn, Md. Apparatus for measuring plasticity. 2,259,491; Oct. 21.
Romig, Morris W., assignor to L. F. Grammes & Sons, Inc., Allentown, Pa. Mounting for vehicle emblems. 2,259,779; Oct. 21.
Roper, Geo. D., Corporation. (See Hennessy, John F., assignor.)
Rosenthal, Arthur, Chicago, Ill. Article support. 2,259,663; Oct. 21.
Rosentreter, Albert J., Boonton, N. J., assignor to Rochester Sash Balance Co., Inc., Rochester, N. Y. Sash balance. 2,260,056; Oct. 21.
Ross, Simon G., Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Treating unattached soles. 2,259,586; Oct. 21.
Rowe Manufacturing Company. (See Norberg, William A., assignor.)
Rubberoid Co., The. (See Rugen, Benjamin R., assignor.)
Rubin, Louis C. (See Nelly, H. M., Jr., and Rubin.)
Rudolph, Edward A., assignor to Wagner Electric Corporation, St. Louis, Mo. Power-actuated apparatus. 2,259,832; Oct. 21.
Rudolph, Walter. (See Caro, G., Rieche, Rudolph, and Wassenegger.)
Rugen, Benjamin R., Ferguson, Mo., assignor to The Rubberoid Co., New York, N. Y. Siding. 2,260,196; Oct. 21.
Ruoff, Frank. (See Hejduk, W., and Ruoff.)
Rusch, Herman C. (See Kaiser, A. W., and Rusch.)
Rush, Leo E., West Lafayette, Ind., assignor of one-half to W. W. Schneckenburger, Buffalo, N. Y. Variable stroke meter. 2,259,587; Oct. 21.
Ruskin, Simon L., New York, N. Y. Therapeutic preparation of bismuth and preparing same. 2,259,492; Oct. 21.
Russell, Irving H. (See Sloan, W. E., and Russell.)
Ruys, Jan D., Pittsburg, and B. Bolger, Martinez, assignors to Shell Development Company, San Francisco, Calif. Production of paraffins from lower boiling olefins. 2,259,862; Oct. 21.
Ryan, William R., Alpine, N. J. Liquid level controlling and indicating mechanism. 2,259,706; Oct. 21.
Rydberg, John T., Harrison, N. J. Collapsible ski. 2,260,057; Oct. 21.
Rylsky, Gregory V., New York, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Sealing and illuminating means for indicating instruments. 2,259,910; Oct. 21.
S. & W. Hydraulic Tool Company, The. (See Warren, C. F., and Smith, assignors.)
Saco-Lowell Shops. (See Armstrong, J. H., and Tarr, assignors.)
Safety Grinding Wheel & Machine Company, The. (See Clark, Oliver A., assignor.)
St. Pierre, Eugene. (See Green, I. H. C., and St. Pierre.)
Saladin, Otto. (See Wittek, Herbert, assignor.)
Sales Affiliates, Inc. (See Morgan, William E., assignor.)
Sandford, John B. (See Lefebure, V., and Sandford.)
Sandy, Thomas, Goderich, Ontario, Canada. Rock crushing device. 2,259,833; Oct. 21.
Sanford, Arthur C., Canton, Ohio. Prefabricated building structure. 2,260,058; Oct. 21.
Sardik Incorporated. (See Myers, Philip B., assignor.)
Saxton, Albert H., assignor to National Bundle Tyer Company, Blissfield, Mich. Bundle-tier machine. 2,259,707; Oct. 21.
Schaefer, Charles C., and S. A. Tollefson, Oaklyn, and H. F. Nied, Camden, N. J. Applying resistance deposits to radio volume control disks. 2,259,588; Oct. 21.
Schaefer, Henry, Jr. (See Carmody, Michael A., assignor.)
Scharfnagel, Rudolf, Stuttgart, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzwig, Germany. Manufacturing electric discharge vessels. 2,260,264; Oct. 21.
Scheiber, William J. (See Klenle, R. H., and Scheiber.)
Schenk, Max, Basel, Switzerland, assignor to the firm Ematal Electrochemical Corporation, New York, N. Y. Production of opaque protective coatings on aluminum and its alloys. 2,260,278; Oct. 21.
Schiebold, Ernst, Leipzig, Germany. Testing materials by X-ray. 2,259,708; Oct. 21.
Schmander, Karl. (See Jehle, K., and Schmauder.)
Schmidt, Erwin L., and J. L. Schwabe, Jr., assignors to G-H Specialty Co., Milwaukee, Wis. Wing nut and manufacture thereof. 2,259,834; Oct. 21.
Schneckenburger, Walter W. (See Rush, Leo E., assignor.)
Schleicher, Rudolf, assignor to the firm Bayerische Motoren Werke Aktiengesellschaft, Munich, Germany. Liquid shock absorber for motorcycle forks. 2,259,589; Oct. 21.
Schnell, Steve, Overland, and A. Brunner, Jennings, assignors to Wagner Electric Corporation, St. Louis, Mo. Compensating means for brake drum distortion. 2,259,835; Oct. 21.
Schlilein, Curt, Bopfingen-Wurttemberg, Germany, assignor to Taccalin Chemical Corporation, Long Island City, N. Y. Cold sealing composition and producing the same. 2,259,664; Oct. 21.
Schundler, F. E., & Co. (See Denning, Paul S., assignor.)

Schwabe, Joseph L., Jr. (See Schmidt, E. L., and Schwabe.)
Schwartz, Alexander, New York, N. Y. Toilet seat. 2,260,155; Oct. 21.
Schwartz, Erich. (See Möller, R., Schwartz, and Jaeckel.)
Scott, Richard H., Enfield, and W. F. Gorse, and A. S. Hayward, Altrincham, assignors to Linotype and Machinery Limited, London, England. Typographical composing and casting machine. 2,259,836; Oct. 21.
Scott, Richard H., Enfield, and W. F. Gorse, and A. S. Hayward, Altrincham, assignors to Linotype and Machinery Limited, London, England. Composition and casting of type and in machines therefor. 2,259,837; Oct. 21.
Sears, William E., Eureka, Kans. Fishing bob. 2,260,059; Oct. 21.
Seid, Herman, Syracuse, N. Y., assignor to Auditorium Conditioning Corporation, Jersey City, N. J. Air conditioning apparatus. 2,259,780; Oct. 21.
Seguy, Jean D. (See Deshayes, Pierre M. E., assignor.)
Seligman, Roger A. L., Neuilly-sur-Seine, France. Internal combustion engine. 2,260,107; Oct. 21.
Senkus, Murray, assignor to Commercial Solvents Corporation, Terre Haute, Ind. Manufacture of amines. 2,260,265; Oct. 21.
Serrell, John J., Jr., Elizabeth, N. J., assignor to The Sharples Corporation, Philadelphia, Pa. Centrifugal separator. 2,259,665; Oct. 21.
Severin, Christian C., Unadilla, Nebr. Collapsible stairs. 2,259,838; Oct. 21.
Seymour, George W. (See Croft, C. M., Seymour, and Brooks.)
Shafer, Lincoln M. (See Crossley, M. L., and Shafer.)
Shakespeare Company. (See Balz, W. G., and Clickner, assignors.)
Sharples Corporation, The. (See Ayres, Arthur U., assignor.)
Sharples Corporation, The. (See Jones, Leo D., assignor.)
Sharples Corporation, The. (See Serrell, John J., Jr., assignor.)
Shaulson, Joseph, Providence, R. I. Buckle connection. 2,260,060; Oct. 21.
Shaw, Victor S. (See Ernst, W., Shaw, Pocock, and Booher.)
Shaw, Victor S., Cardington, and L. S. Hubbert, Edison, Ohio, assignors, by mesne assignments, to The Hydraulic Press Corporation, Wilmington, Del. Hydraulic injection molding press. 2,259,781; Oct. 21.
Shell Development Company. (See Allen, Clyve C., assignor.)
Shell Development Company. (See Ballard, S. A., and Anderson, assignors.)
Shell Development Company. (See Bent, F. A., and Loomis, assignors.)
Shell Development Company. (See Ruys, J. D., and Bolger, assignors.)
Shell Development Company. (See Huijser, H. W., and de Nooijer, assignors.)
Shellmar Products Company. (See Gurwick, Irving, assignor.)
Sherka Chemical Co. Inc. (See Dohrn, M., and Nahme, assignors.)
Shorr, Melvin, Dayton, Ohio. Automatic film jam shut-off. 2,259,493; Oct. 21.
Shoup, Ransom F., Ardmore, assignor to The Shoup Voting Machine Corporation, Philadelphia, Pa. Voting machine. 2,259,590; Oct. 21.
Shoup Voting Machine Corporation, The. (See Shoup, Ransom, F., assignor.)
Sillick, William E., assignor to Eastman Kodak Company, Rochester, N. Y. Treatment of the acid resulting from nitrating cellulose. 2,259,494; Oct. 21.
Simon, Andrew B. Jr., Cleveland, Ohio, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control system. 2,260,266; Oct. 21.
Sinclair, Archibald F., and J. E. Collins, assignors to The Sinclair-Collins Valve Co., Akron, Ohio. Cycle controller. 2,260,199; Oct. 21.
Sinclair-Collins Valve Co., The. (See Sinclair, A. F., and Collins, assignors.)
Skiles, Benjamin F. (See Cole, J. E., and Skiles.)
Slayter Electronic Corporation. (See Bennett, Willard H., assignor.)
Sloan Valve Company. (See Sloan, W. E., and Russell, assignors.)
Sloan, William E., River Forest, and I. H. Russell, Oak Park, assignors to Sloan Valve Company, Chicago, Ill. Flush valve. 2,260,094; Oct. 21.
Small, Frederick M., assignor to Martin-Parry Corporation, York, Pa. Panel attaching device. 2,259,666; Oct. 21.
Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,260,235; Oct. 21.
Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,260,236; Oct. 21.
Smidth, F. L., & Co. (See Lindhard, Pool, T., assignor.)
Smidth, F. L., & Co. (See Vovel-Jorgensen, Mikael, assignor.)
Smith, Bryan H., Jr., Berkeley, Calif., assignor to Braun-Knecht-Heimann Co. Dispensing device. 2,259,863; Oct. 21.
Smith, Charles W., North Muskegon, Mich. Paper stock hydrator. 2,260,198; Oct. 21.
Smith, Daniel A., Narcoossee, Fla. Poultry nest. 2,260,096; Oct. 21.
Smith, Edward F. (See Lundberg, J. L., Smith, and Snyder.)
Smith, Henry A. (See Hall, R. W., and Smith.)
Smith, Hiram P., Canton, Ill., assignor to International Harvester Company. Implement attachment for tractors. 2,259,864; Oct. 21.
Smith, Horace L., Jr. (See Atwood, W. L., Jones, and Smith.)
Smith, James B., Rockland, Mass. Fire-extinguishing method and apparatus. 2,259,501; Oct. 21.
Smith, Robert L. H., Hove, England. Hardness testing machine. 2,259,840; Oct. 21.
Smith, Robert P., assignor to The Hoosier Crown Corporation, Crawfordsville, Ind. Bottle carrier. 2,259,667; Oct. 21.
Smith, William R. (See Warren, C. F., and Smith.)
Snell, Foster D., New York, N. Y., assignor to Foster Dee Snell, Inc. Lime composition. 2,259,782; Oct. 21.
Snell, Foster Lee, Inc. (See Snell, Foster D., assignor.)
Snyder, William B. (See Lundberg, J. L., and Smith and Snyder.)
Soave, John G., Long Island City, assignor to Waldes Koh-I-Noor, Inc., New York, N. Y. Slide fastener construction for garments. 2,259,495; Oct. 21.
Socony-Vacuum Oil Company. (See Berger, H. G., James, and Badertscher, assignors.)
Soday, Frank J., Upper Darby, Pa., assignor to The United Gas Improvement Company. Copolymerization of polycyclopentadiene and styrene. 2,259,496; Oct. 21.
Soday, Frank J., Upper Darby, Pa., assignor to The United Gas Improvement Company. Copolymerization of polycyclopentadiene and ring-substituted methyl styrene. 2,259,497; Oct. 21.
Soldner, Weldon L. (See Kruse, N. F., and Soldner.)
Sommers, Albert L., and R. Block, Newburgh, N. Y., assignors to Non-Sinkable Bathing Suit Corporation of America. Nonsinkable bathing suit. 2,259,709; Oct. 21.
Southern Pecan Company. (See Garcia, Henry V., assignor.)
Spanner, Jakob, Neu-Isenburg, Germany, assignor to Chemical Marketing Company Inc., New York, N. Y. Tarnish resistant silver alloy. 2,259,668; Oct. 21.
Sparling, Mervin, St. Clair, Mich. Collapsible house trailer. 2,259,783; Oct. 21.
Spase, Charles B., Nedrow, assignor to W. C. Lipe, Inc., Syracuse, N. Y. Friction clutch. 2,259,784; Oct. 21.
Spear, Leolyn F. (See Tapp, H. F., and Spear.)
Spence, Ernest I. (See Nutter, F. E., and Spence.)
Sperry, Philmore F., assignor to Revere Camera Company, Chicago, Ill. Driving mechanism for projectors. 2,259,591; Oct. 21.
Spicer, Charles H. (See Lombardi, L., Spicer, and Christensen.)
Spiegl, Ellis H., Salinas, Calif. Refrigerant and providing the same. 2,259,841; Oct. 21.
Stacey Brothers Gas Construction Company, The. (See Gruening, W. E., and Liese, assignors.)
Stadub, Stephen, Brooklyn, N. Y. Die for collar pressing machines. 2,259,865; Oct. 21.
Stahl, Maurice D., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,260,237; Oct. 21.
Standard Brands Incorporated. (See Landis, Quick, assignor.)
Standard Mfg. Co. (See Batcheller, Hugh W., assignor.)
Standard Oil Company. (See Carpenter, Morris T., assignor.)
Standard Oil Company. (See Hull, Carl M., assignor.)
Standard Oil Company. (See d'Ouville, E. L., Evering, and Oblad, assignors.)
Standard Oil Company. (See Payne, Donald E., assignor.)
Standard Oil Company. (See Plummer, William B., assignor.)
Standard Oil Company. (See Voorhees, Vanderveer, assignor.)
Standard Oil Company of California. (See Webster, Hugh B., assignor.)
Standard Oil Development Company. (See Baldeschwieler, E. L., and Chew, assignors.)
Standard Oil Development Company. (See Matheson, George L., assignor.)
Standard Oil Development Company. (See Richardson, Roger W., assignor.)
Statham, Francis S. (See Baldwin, A. W., Piggott, and Statham.)
Stedman, Theodore W., New York, N. Y. Tie plate arrangement for railroads. 2,260,238; Oct. 21.
Steinbecher, Adolf. (See John F., and Steinbecher.)
Sterling Electric Motors, Inc. (See Johnson, C. E., and Mendenhall, assignors.)
Stern, Charles, Jersey City, N. J. Coffee dispenser. 2,259,710; Oct. 21.
Steudel, Eberhard. (See Mahl, H., Pendzich, and Steudel.)

Stevens, Marvin C., Oxford, Mich. Apparatus for grading stone. 2,260,095; Oct. 21.

Stevens, Sydney A., and A. H. B. Walker, London, England, assignors, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Alternating electric current control apparatus. 2,259,711; Oct. 21.

Stevens, Sydney A., King's Cross, London, England, assignor, by mesne assignments, to The Union Switch and Signal Company, Swissvale, Pa. Inductive load circuit supplied with rectified alternating electric current. 2,260,200; Oct. 21.

Stewart, Clyde E., Upper Darby, Pa., assignor to General Electric Company. Supervisory system. 2,260,061; Oct. 21.

Stewart Iron Works Company, The. (See Kelley, Thomas J., Jr., assignor.)

Stillman, Thomas B., South Orange, assignor to The Babcock & Wilcox Company, Newark, N. J. Fuel burner. 2,260,062; Oct. 21.

Stokes and Smith Company. (See Stokes, John S., assignor.)

Stokes, John S., Huntingdon Valley, assignor to Stokes and Smith Company, Summerdale, Pa. Making containers. 2,259,866; Oct. 21.

Stokes, John S., Huntingdon Valley, assignor to Stokes and Smith Company, Philadelphia, Pa. Making containers. 2,260,064; Oct. 21.

Stoller, Benjamin B., assignor to L. F. Lambert, Coatesville, Pa. Synthetic compost for mushroom culture. 2,260,201; Oct. 21.

Stone, John M., St. Charles Township, Kane County, and C. T. Weibler, assignors to Operadio Manufacturing Company, St. Charles, Ill. Loud-speaker. 2,260,063; Oct. 21.

Stouges, Anthony J., Queens Village, and J. H. Hilpman, Springfield Gardens, N. Y., assignors to Mergenthaler Linotype Company. Typographical distributing machine. 2,259,842; Oct. 21.

Stromberg-Carlson Telephone Manufacturing Company, The. (See Olney, Benjamin, assignor.)

Stroud, Robert, assignor to Niagara Screens & Machines Limited, Toronto, Ontario, Canada. Vibratory screen. 2,259,942; Oct. 21.

Struve, Otto G., San Antonio, Tex. Bag stapling machine. 2,260,267; Oct. 21.

Stuart, Joseph, II, assignor to Hercules Powder Company, Wilmington, Del. Feeding mechanism. 2,259,785; Oct. 21.

Stuer, Joseph, Lawrence, Mass. Loom magazine slide and cradle lock. 2,259,843; Oct. 21.

Sun Shipbuilding & Dry Dock Company. (See Howard, Cecil D., assignor.)

Sun Oil Company. (See Banks, Daniel B., assignor.)

Surico, Carmine, New York, N. Y. Dough product drier. 2,259,963; Oct. 21.

Sussman, William S., New York, N. Y. Mechanical brushing device and motor therefor. 2,259,964; Oct. 21.

Sutton, Coleman, Alhambra, Calif. Mechanical desk stand for cylindrical slide rules. 2,259,786; Oct. 21.

Suvak, Michael N., and M. Dzama, Cleveland, Ohio. Valve. 2,259,592; Oct. 21.

Swank, Ralph L., Johnstown, Pa. Nozzle stopper. 2,259,669; Oct. 21.

Sweetland, Ernest J., Piedmont, Calif. Bed warming means. 2,259,712; Oct. 21.

Swift and Company. (See Williams, B. E., and Cadwell, assignors.)

Sylvania Industrial Corporation. (See Clark, J. Andrew, assignor.)

Sylvania Industrial Corporation. (See Wallach, Roger, assignor.)

Symington-Gould Corporation, The. (See Barrows, D. S., and Couch, assignors.)

Symington-Gould Corporation, The. (See Blattner, Emil H., assignor.)

Symington-Gould Corporation, The. (See Couch, Glenn F., assignor.)

Taccalin Chemical Corporation. (See Schulein, Curt, assignor.)

Talbot, William F., Framingham, Mass., assignor, by mesne assignments, to Monsanto Chemical Company. Manufacture of melamine-aldehyde condensation products. 2,260,239; Oct. 21.

Taliaferro, William R., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Automatic reclosing circuit breaker system. 2,259,965; Oct. 21.

Tancred, William L., and W. Henderson, Wethersfield, Conn. Mechanism for operating artificial limbs. 2,259,911; Oct. 21.

Tanzi, Aurelio, New York, N. Y. Apparatus for fabricating macaroni. 2,259,943; Oct. 21.

Tapp, Harry F., Longmeadow, and L. F. Spear, Westfield, assignors to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Oil burner. 2,259,535; Oct. 21.

Tappe, Wilhelm, Bucharest, Rumania. Fire extinguishing apparatus. 2,259,966; Oct. 21.

Tarn, Thomas R. (See Beyer, W. O., and Tarn.)

Tarr, Roderic D. (See Armstrong, J. H., and Tarr.)

Tarvin, Noble R., Brazil, assignor to Commercial Solvents Corporation, Terre Haute, Ind. Butyl alcohol fermentation process. 2,260,126; Oct. 21.

Taylor, George H., Norfolk, assignor to Metallic Tag Company, Inc., Richmond, Va. Piston and connecting rod construction. 2,260,240; Oct. 21.

Taylor, Russell C., Greenwich, Conn., assignor to American Can Company, New York, N. Y. Can body. 2,259,498; Oct. 21.

Taylor, Russell C., Greenwich, Conn., assignor to American Can Company, New York, N. Y. Container opener. 2,259,499; Oct. 21.

Tebbetts, William F., Jr., Los Angeles, Calif. Deep well pump. 2,260,127; Oct. 21.

Teleregister Corporation, The. (See Hicks, R. M., and Leroy, assignors.)

Textile Machine Works. (See Haehnel, Herbert E., assignor.)

Thomas, Arthur, Wallington, and N. G. Holden, Carshalton, assignors to Powers Accounting Machines Limited, London, England. Record card controlled statistical machine. 2,260,097; Oct. 21.

Thomas & Betts Co., The. (See Bergman, Martin D., assignor.)

Thompson, Norman J., Wellesley, Mass. Fire extinguishing method. 2,259,500; Oct. 21.

Throckmorton, John W., Wilton, Conn., assignor to Petro-Chem Development Company, New York, N. Y. Heat transfer equipment of the tube and head or coil type. 2,260,243; Oct. 21.

Titan Company. (See Giese, Hermann, assignor.)

Todé, William F. (See Reynolds, A. T., and Todé.)

Tobin-Arp Manufacturing Company. (See Arp, Ewald A., assignor.)

Tokheim Oil Tank and Pump Company. (See Oberly, Chester C., assignor.)

Tollefson, Soren A. (See Schaefer, C. C., Tollefson, and Nied.)

Topham, Lawrence E., Wenham, and S. E. Woodbury, Beverly, Mass., assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J. Material handling mechanism. 2,259,502; Oct. 21.

Toro Manufacturing Corporation of Minnesota. (See Clapper, John S., assignor.)

Transit Research Corporation. (See Piron, Emil H., assignor.)

Trussell, Clarence D., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y. Album for photographic prints and negatives. 2,259,787; Oct. 21.

Trussell Manufacturing Company. (See Trussell, Clarence D., assignor.)

Tung-Sol Lamp Works, Inc. (See Jahns, Edward R., assignor.)

Turner, Guilford S., Berwyn, assignor to Morris B. Brewster Co. Inc., Chicago, Ill. Sand trap. 2,259,593; Oct. 21.

Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Air cooled picking spindle. 2,259,912; Oct. 21.

Turow, Frank, assignor to The Metro-Nite Company, Milwaukee, Wis. Refractory material. 2,259,844; Oct. 21.

Union Oil Company of California. (See Lake, George R., assignor.)

Union Switch & Signal Company, The. (See Lewis, Lloyd V., assignor.)

Union Switch and Signal Company, The. (See Stevens, Sydney A., assignor.)

Union Switch & Signal Company. (See Stevens, S. A., and Walker, assignors.)

United Aircraft Corporation. (See Moncrieff, Veon I., assignor.)

United-Carr Fastener Corporation. (See Amesbury, Robert R., assignor.)

United-Carr Fastener Corporation. (See Murphy, Howard J., assignor.)

United-Carr Fastener Corporation. (See Woodward, Clement A., assignor.)

United Gas Improvement Company, The. (See Soday, Frank J., assignor.)

United Shoe Machinery Corporation. (See Bazzoni, Lewis J., assignor.)

United Shoe Machinery Corporation. (See Filsinger, Carl F., assignor.)

United Shoe Machinery Corporation. (See Jalbert, Adrien L., assignor.)

United Shoe Machinery Corporation. (See Kestell, T. A., and Barclay, assignors.)

United Shoe Machinery Corporation. (See MacKenzie, Wilbur L., assignor.)

United Shoe Machinery Corporation. (See Murphy, Joseph J., assignor.)

United Shoe Machinery Corporation. (See Praedel, Arnold V., assignor.)

United Shoe Machinery Corporation. (See Ross, Simon G., assignor.)

United Shoe Machinery Corporation. (See Topham, L. E., and Woodbury, assignors.)

United States Potash Company. (See Jacobi, Karl J., assignor.)

Utah-Idaho Sugar Company. (See Hanni, W. H., and McFarland, assignors.)

V-Way Shingle Products, Inc. (See Owen, Herbert L., assignor.)

Vacuum Air Pressure Company Limited, The. (See Bushby, David, assignor.)

Valentine, Warren P., Yeadon, Pa. Proportioning pump. 2,259,713; Oct. 21.

Valjean, Ben, Lansing, Mich. Automatic draft regulator. 2,259,845; Oct. 21.

Vamos, Alfred, New York, N. Y., assignor to Friedberger-Aaron Manufacturing Company, Philadelphia, Pa. Boot and shoe manufacture. 2,259,944; Oct. 21.

Van Sittert, Paul, Cleveland Heights, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Clutch. 2,259,839; Oct. 21.

Van Voorhees, Harold E., Detroit, Mich. Automobile door latch mechanism. 2,259,670; Oct. 21.

Varian, Russell H. (See Hansen, W. W., Varian, and Woodyard.)

Vaughn, Jesse A., assignor to Killefer Manufacturing Corporation, Los Angeles, Calif. Revolving scraper. 2,259,536; Oct. 21.

Vegetable Oils Specialty Corporation. (See Ginn, Wells W., assignor.)

Velia, Alton C., Hollis, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission control. 2,259,945; Oct. 21.

Venzie, Walter H., Philadelphia, Pa. Building construction. 2,259,594; Oct. 21.

Verdiers, Edward É. (See Lawson, R. W., and Verdiers.)

Vernay Patents Company. (See Vernet, S., Kim, and Leiserson, assignors.)

Vernet, Sergius, J. Kim, and J. L. Leiserson, assignors to Vernay Patents Company, Yellow Springs, Ohio. Temperature responsive element. 2,259,846; Oct. 21.

Vickers Incorporated. (See Harrington, Ferris T., assignor.)

Visscher, John S., Stratford, Conn., assignor to General Electric Company. Wringer. 2,260,065; Oct. 21.

Vitalis, Balthasar, San Francisco, Calif. Musical instrument. 2,260,066; Oct. 21.

Vogel-Jorgensen, Mikael, Frederiksberg, near Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Fuel supply system. 2,259,967; Oct. 21.

Voorhees, Vanderveer, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Uniformly halogenated polymers and preparing same. 2,259,671; Oct. 21.

Vreeland Corporation. (See Vreeland, Frederick K., assignor.)

Vreeland, Frederick K., Montclair, N. J., assignor to Vreeland Corporation, New York, N. Y. Band receiving system. 2,259,595; Oct. 21.

Vreeland, Frederick K., Montclair, N. J., assignor to Vreeland Corporation, New York, N. Y. Band receiving system. 2,259,596; Oct. 21.

Wagner Electric Corporation. (See Boldt, Werner F., assignor.)

Wagner Electric Corporation. (See Freeman, Walter R., assignor.)

Wagner Electric Corporation. (See Rudolph, Edward A., assignor.)

Wagner Electric Corporation. (See Schnell, S., and Brunner, assignors.)

Wagner, Erwin, assignor to Wagner Sign Service, Incorporated, Chicago, Ill. Display device. 2,260,068; Oct. 21.

Wagner Sign Service, Incorporated. (See Wagner, Erwin, assignor.)

Wakefield, Richard E. B. (See Morgan, H. W., and Wakefield.)

Waldes Koh-I-Noor, Inc. (See Soave, John G., assignor.)

Walk-Easy Foot Rest Manufacturing Company. (See Boos, Wilfred J., assignor.)

Walker, Alec H. B. (See Stevens, S. A., and Walker.)

Walker, Frank H., and D. L. Chandler, assignors to Aresee Company Inc., Salem, Mass. Electrical motor driven window apparatus. 2,260,067; Oct. 21.

Wallace, James M., Braddock, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,259,946; Oct. 21.

Wallach, Roger, Briarcliff Manor, N. Y., assignor to Sylvania Industrial Corporation, Fredericksburg, Va. Treating textiles. 2,259,847; Oct. 21.

Waller, John A., Beverly Hills, assignor to C. P. Mee, Los Angeles, Calif. Pneumatic feeding device for printing presses, check cancelers, and the like. 2,259,672; Oct. 21.

Walter, Charles T., assignor to Industrial Patents Corporation, Chicago, Ill. Casing drying means. 2,260,244; Oct. 21.

Walter, Harold J., Uxbridge, Mass. Sealing means for a die in a closure wall. 2,260,128; Oct. 21.

Walters, Harry W., Cincinnati, Ohio. Checkerwork. 2,259,913; Oct. 21.

Wandell, James W., Hoboken, N. J., assignor to D. N. Popik, escrowee. Tamper-proof inner seal. 2,260,156; Oct. 21.

Wappner, Ralph C., assignor of one-half to J. L. Chaney, Springfield, Ohio. Hygrometer. 2,260,245; Oct. 21.

Ward, Charles W., Los Angeles, Calif. Dispensing device. 2,259,848; Oct. 21.

Ward Leonard Electric Company. (See Logan, Frank G., assignor.)

Warren, Charles F., and W. R. Smith, assignors to The S. & W. Hydraulic Tool Company, Wynne, Ark. Power tool. 2,260,268; Oct. 21.

Warren, Glenn B. (See Doran, J. H., and Warren.)

Wassenegger, Hans. (See Caro, G., Rieche, Rudolph, and Wassenegger.)

Wassenegger, Hans, Dessau in Anhalt, and E. Meier, Bitterfield, Germany. Etherified cation exchanging phenol-formaldehyde resins. 2,259,503; Oct. 21.

Watkins, John W., Woodlawn, Ill. Cleaning machine. 2,259,597; Oct. 21.

Webster, Hugh B., Oakland, assignor to Standard Oil Company of California, San Francisco, San Francisco, Calif. Pressure recorder seal. 2,259,867; Oct. 21.

Weibler, Carleton T. (See Stone, J. M., and Weibler.)

Weisenburg, Andrew, assignor to Crown Can Company, Philadelphia, Pa. Duplex can body welding machine. 2,259,914; Oct. 21.

Weldin, Lewis C. (See Marsh, H. N., and Weldin.)

Wengen, Frank J., assignor to Eagle Knitting Mills, Inc., Milwaukee, Wis. Knitted cap. 2,259,537; Oct. 21.

Wente, Edward C., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound film recording or reproducing device. 2,260,202; Oct. 21.

Weritz, John, Cicero, Ill. Mounting for tubular electric lamps. 2,259,915; Oct. 21.

Weskenson Corporation. (See Johnson, William H., assignor.)

West, Herbert J., Riverside, and R. E. Layman, Jr., Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Oil composition. 2,259,980; Oct. 21.

Western Union Telegraph Company, The. (See Drenkard, Adam, Jr., assignor.)

Western Union Telegraph Company, The. (See Hiltz, George S., assignor.)

Westinghouse Electric & Manufacturing Company. (See Blackburn, Philip W., assignor.)

Westinghouse Electric & Manufacturing Company. (See Brown, M. J., and Hughes, assignors.)

Westinghouse Electric & Manufacturing Company. (See Brown, Myron J., assignor.)

Westinghouse Electric & Manufacturing Company. (See Cumming, J. M., and Leitzel, assignors.)

Westinghouse Electric & Manufacturing Company. (See Ellis, Delbert, assignors.)

Westinghouse Electric & Manufacturing Company. (See Ellis, Harold E., assignor.)

Westinghouse Electric & Manufacturing Company. (See Gustin, Daniel S.)

Westinghouse Electric & Manufacturing Company. (See Hutcheson, John A., assignor.)

Westinghouse Electric & Manufacturing Company. (See Jennings, L. D., Ramik, and Criner, assignors.)

Westinghouse Electric & Manufacturing Company. (See Kalischer, Milton, assignor.)

Westinghouse Electric & Manufacturing Company. (See Koch, Gustav H., assignor.)

Westinghouse Electric & Manufacturing Company. (See Levy, Cyril C., assignor.)

Westinghouse Electric & Manufacturing Company. (See Taliaferro, William R., assignor.)

Westinghouse Electric & Manufacturing Company. (See Wallace, James M., assignor.)

Wetzel, Edward A., assignor to Briggs Manufacturing Company, Detroit, Mich. Sealing strip. 2,260,129; Oct. 21.

Wheeler, Clarence W., and Z. S. Daniels, Vancouver, Wash. Golf practice putting device. 2,259,916; Oct. 21.

Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Corporation. Television receiver with automatic shade-level control. 2,259,538; Oct. 21.

White, Ralph M., Morgantown, W. Va. Combination hunting light and flashlight. 2,259,673; Oct. 21.

Whiting Corporation. (See Christie, Hugh K., assignor.)

Whitson, John W., Springfield, Mass., assignor to Electrofile, Inc., Albany, N. Y. Filing device. 2,260,069; Oct. 21.

Wiegand, Edwin L. (See Calhoun, Ernest N., assignor.)

Wiegand, Edwin L. (See Perry, Francis W., assignor.)

Wiegand, Edwin L., and J. McOrlly, Pittsburgh, Pa.; said McOrlly assignor to said Wiegand. Electric heater. 2,260,108; Oct. 21.

Wiesmann, Joseph W., assignor to H. H. Robertson Company, Pittsburgh, Pa. Wiring conduit and wire distribution system. 2,259,674; Oct. 21.

Wiesner, Alfred, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. High frequency system. 2,260,269; Oct. 21.

Wiggins, Leonard A., Akron, and R. Patterson, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Skein-holder. 2,259,917; Oct. 21.

Wigington, Joseph E., Richmond, Va. High pressure pneumatic tube tester. 2,259,675; Oct. 21.

Wilhide, Glenn C., Baltimore, assignor to The Black and Decker Manufacturing Company, Towson, Md. Portable hammer. 2,260,070; Oct. 21.

Williams, Beverly E., and L. L. Cadwell, assignors to Swift and Company, Chicago, Ill. Treatment of beef carcasses. 2,259,868; Oct. 21.

Wilson, Clarence M., New York, N. Y., and J. T. Lane, Los Angeles, Calif. Combined measuring and leveling spoon. 2,259,504; Oct. 21.

Wilson, George W. (See Beardslee, A. C., and Wilson.)

Wilton, Thomas O., London, England. Process involving the distillation and fractionation of a mixture comprising hydrocarbon compounds including volatile and nonvolatile constituents. 2,260,071; Oct. 21.

Wilton, Thomas O., London, England. Distillation and fractionation of mixtures of hydrocarbons. 2,260,072; Oct. 21.
Wimmer, Glen E. (See Morrison, R. F., and Wimmer.)
Winborne, Russell A. (See McDowell, W. R., and Winborne.)
Winchell, Lawrence J., Fort Scott, Kans. Lawn mower. 2,259,676; Oct. 21.
Wisdom, Pollard V., New York, N. Y. Loose-leaf binder clip. 2,259,505; Oct. 21.
Wittek, Herbert, Mannheim-Freudenheim, Germany, assignor to Otto Saladin, Saurefabrik Schweizerhall near Schweizerhalle near Basel-land, Switzerland. Separating phenols from products contafning them. 2,259,595; Oct. 21.
Wolfe, Harry H. (See Johnson, G. T., and Wolfe.)
Woodbury, Stephen E. (See Topham, L. E., and Woodbury.)
Woodruff, George T., and I. B. Jones, Decatur, Ala. Underinflation and overinflation tire signal. 2,260,246; Oct. 21.
Woodward, Clement A., Dedham, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Furniture glider and glider installation. 2,259,714; Oct. 21.
Woodyard, John R. (See Hansen, W. W., Varian, and Woodyard.)
Woolf, William L., Bayside, N. Y. Sound record. 2,259,715; Oct. 21.
Worrall, George H., Los Angeles, assignor to Mitchell Camera Corporation, West Hollywood, Calif. Intermittent film movement mechanism. 2,259,849; Oct. 21.
Wright, William, assignor to Morris B. Brewster Co. Inc., Chicago, Ill. Sand trap. 2,259,539; Oct. 21.
Young, Arthur J., London, and L. M. Myers, Yorkshire, England, assignors to Radio Corporation of America. Cathode ray tube oscillograph. 2,259,506; Oct. 21.
Young, Harrison C., Hoxsie, R. I. Golf practicing apparatus. 2,259,918; Oct. 21.
Young, William R. (See Bryant, F. D., and Young.)
Zablocki, Eugene C., assignor to Briggs Manufacturing Company, Detroit, Mich. Sewing machine. 2,260,203; Oct. 21.
Zeller, Theodore J., Plainfield, N. J., assignor to Mack Manufacturing Corporation, Long Island City, N. Y. Power operated clutch mechanism. 2,259,599; Oct. 21.
Zellers, James T., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for forming sheet glass. 2,259,716; Oct. 21.
Zentner, Egon, New York, N. Y. Softening water. 2,259,717; Oct. 21.
Zündorf, Helmut, Rodenkirchen-on-the-Rhine, Germany. Sheathed electric cable. 2,259,850; Oct. 21.
Zwick, Kurt, Munich, assignor to Friedrich Deckel, Munich-Prinz, Ludwigshohe, Bavaria, Germany. Counterbalancing means for engraving and copying machines. 2,260,157; Oct. 21.
Zwicker Knitting Mills. (See Marr, Urban T., assignor.)

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 21ST DAY OF OCTOBER, 1941

NOTE.--Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Cable, High tension rubber insulated. E. Bormann. Re. 21,926; Oct. 21.
Concrete, Color treatment of. R. E. Madison and A. T. Saunders. Re. 21,928; Oct. 21.
Electromagnetic testing system. P. H. Brace and C. S. Williams. Re. 21,927; Oct. 21.
Meter trough. A. B. Rypinski. Re. 21,929; Oct. 21.
Signal device, Audible. F. P. Scully and A. E. Mathey. Re. 21,930; Oct. 21.
Tappet construction. C. and H. E. Voorhies. Re. 21,931; Oct. 21.

LIST OF DESIGN INVENTIONS

Advertising figure. A. J. Kilgariff. 130,025; Oct. 21.
Apron. L. Arver. 130,090; Oct. 21.
Ash tray and glass holder, Combined. F. J. Blatz. 130,014; Oct. 21.
Bottle. O. R. Randall. 130,075; Oct. 21.
Bottle. J. F. Watson. 130,077; Oct. 21.
Bottle-carrier, Folding. F. Di Rico and A. Libertine. 130,065; Oct. 21.
Box, Novelty postcard. M. Fisch. 130,057; Oct. 21.
Bracelet. M. Chernow. 130,016–18; Oct. 21.
Bracelet. A. Philippe. 130,082–4; Oct. 21.
Bracelet. A. Philippe. 130,097–8; Oct. 21.
Brooch or similar article. B. Darvie. 130,081; Oct. 21.
Brooch or similar article. B. Darvie. 130,091–2; Oct. 21.
Brooch or similar article. D. Mir. 130,082; Oct. 21.
Brooch or similar article. D. Mir. 130,096; Oct. 21.
Brooch or similar article. A. Spaney. 130,086–9; Oct. 21.
Building, Restaurant. L. C. Leabo. 130,028; Oct. 21.
Cabinet for automatic phonograph. H. T. Roberts. 130,034; Oct. 21.
Cabinet for automatic phonograph. H. T. Roberts. 130,048; Oct. 21.
Cabinet, Lubricator. T. L. Hand. 130,022–3; Oct. 21.
Cabinet or the like, Radio. G. F. Bates. 130,055; Oct. 21.
Cap, Container. P. A. Derham. 130,064; Oct. 21.
Case, Lipstick. M. C. Meyer. 130,030; Oct. 21.
Casing, Adding machine. W. A. Kropp. 130,070; Oct. 21.
Collar, Fur. M. Frascino. 130,068; Oct. 21.
Compressor. F. A. Halleck. 130,058; Oct. 21.
Container, Cosmetic. W. R. Tuttle and C. W. Stickel. 130,050; Oct. 21.
Container, Floral. R. M. Koch. 130,027; Oct. 21.
Cooler, Automobile. F. J. Vondenbosh. 130,076; Oct. 21.
Doll. O. A. Dunn. 130,019; Oct. 21.
Dress. M. Fein. 130,109–10; Oct. 21.
Dress. I. Goldstein. 130,111; Oct. 21.
Dress ensemble. M. Fein. 130,108; Oct. 21.
Earring or similar article. A. Philippe. 130,085; Oct. 21.
Earring or similar article. A. Philippe. 130,099; Oct. 21.
Electrical connector. J. Blackburn. 130,039; Oct. 21.
Escutcheon plate for automobile radio sets or the like. C. W. Wandrey. 130,036; Oct. 21.
Fabric, Textile. R. E. Fatherley. 130,094; Oct. 21.
Fabric, Textile. J. Friedman. 130,095; Oct. 21.
Fabric, Textile. S. Gaston. 130,102; Oct. 21.
Fabric, Textile. B. W. Rosenblum. 130,100–1; Oct. 21.
Fabric, Textile. J. Rubin. 130,103–5; Oct. 21.
Fabric, Textile. L. Schnechter. 130,049; Oct. 21.
Fan propeller. E. S. Preston. 130,032; Oct. 21.
Fly swatter, Electric. J. P. Foley. 130,020; Oct. 21.
Flying boat. I. M. Laddon. 130,040; Oct. 21.
Frame for ladies' hand bags. W. J. Kirst. 130,026; Oct. 21.
Fuse igniter, Electric blasting. R. T. Burgess. 130,062; Oct. 21.
Game board. W. P. Ulrich. 130,035; Oct. 21.
Guard, Kidney. G. C. Reynolds. 130,033; Oct. 21.
Gynecologic instrument. E. H. Edwards. 130,093; Oct. 21.
Hamper, Clothes. O. Eidinger. 130,066; Oct. 21.
Holder, Cigarette package. E. F. Murray and C. E. Hermann. 130,031; Oct. 21.
Holder or analogous article, Hand bouquet. C. H. Larsen. 130,071; Oct. 21.
Holder, Telephone. A. N. Epstein. 130,067; Oct. 21.
Illuminating device, Decorative. L. Pollock. 130,060; Oct. 21.
Ironer, Garment pocket. J. H. Leef. 130,029; Oct. 21.
Lighting fixture, Fluorescent. M. Herr. 130,059; Oct. 21.
Pencil ferrule. O. F. Weissenborn. 130,051; Oct. 21.
Piano or similar article. J. Barofsky. 130,038; Oct. 21.
Pin, Emblem. E. S. Chandler. 130,063; Oct. 21.
Pin or similar article. L. Low. 130,072; Oct. 21.
Rack, Necktie. S. Owen and E. Goeller. 130,073; Oct. 21.
Rack or similar article, Hat. C. Worth. 130,053; Oct. 21.
Radiator front. F. M. Young. 130,054; Oct. 21.
Sewing machine or similar article. M. S. Park. 130,074; Oct. 21.
Shoe sole or similar article. W. Weidner. 130,078; Oct. 21.
Spectroscope. K. W. Harper. 130,069; Oct. 21.
Spoon and bottle cap remover, Combination. A. Burton. 130,056; Oct. 21.
Stand, Display. M. C. Meyer. 130,041–6; Oct. 21.
Strap, Watch bracelet. J. P. Schultheiss. 130,112; Oct. 21.
Table, Portable service. G. W. Weller. 130,079; Oct. 21.
Tablecloth, Lace. F. P. Otto. 130,047; Oct. 21.
Tablecloth, Lace. W. Wolf. 130,052; Oct. 21.
Tablecloth or similar article, Lace. J. Waterfield. 130,061; Oct. 21.
Toy airplane model. J. Abernethy. 130,013; Oct. 21.
Transit transfer. F. P. Hamilton, Jr. 130,021; Oct. 21.
Tray, Food. A. G. Wynkoop. 130,080; Oct. 21.
Uniform. A. M. Berger. 130,106–7; Oct. 21.
Veiling. A. Weinblum. 130,037; Oct. 21.
Wrench. J. B. Boos. 130,015; Oct. 21.
Wrench. G. W. Hawkins. 130,024; Oct. 21.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 21ST DAY OF OCTOBER, 1941

NOTE.--Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading device. H. F. Elsloo. 2,259,685; Oct. 21.
Abrasive wheel. O. A. Clark. 2,259,554; Oct. 21.
Acetone, Dehydration of. J. F. Eversole and A. C. Plewes. 2,259,951; Oct. 21.
Acid anhydrides, Manufacture of aliphatic carboxylic. F. Koenig. 2,259,895; Oct. 21.
Acid compounds and producing them, 3-halogeno-bis-nor-allo-cholanic. R. E. Marker. 2,260,184; Oct. 21.
Acid resulting from nitrating cellulose, Treatment of the W. E. Sillick. 2,259,494; Oct. 21.
Actuating and control mechanism for machine tools. W. S. Renler. 2,259,489; Oct. 21.
Adhesive composition. J. E. Robinson. 2,259,490; Oct. 21.
Agricultural implement. B. R. Benjamin. 2,259,874; Oct. 21.
Air conditioning apparatus. J. R. Ballard. 2,259,541; Oct. 21.
Air conditioning apparatus. M. Kallscher. 2,260,275; Oct. 21.
Air conditioning apparatus. H. Seid. 2,259,780; Oct. 21.
Aircraft. J. M. Gwinn, Jr. 2,260,022; Oct. 21.
Aircraft, Automatic stabilizing arrangement for. R. Alkan. 2,259,600; Oct. 21.
Aircraft, Method and system for landing. W. M. Hahnemann. 2,260,273; Oct. 21.
Alarm, Burglar. C. P. Hulst. 2,259,696; Oct. 21.
Album for photographic prints and negatives. C. D. Trussell. 2,259,787; Oct. 21.
Alkylation process. S. A. Ballard and J. Anderson. 2,259,723; Oct. 21.
Alloy: *See*—
  Manganese alloy.
  Tarnish resistant silver alloy.
Alloying material, Introducing. J. S. Kirkham. 2,260,226; Oct. 21.
Allyl crotonate and unsaturated alkyd resin, Interpolymerization product of. G. F. D'Alelio. 2,260,005; Oct. 21.
Amides, Manufacture of substituted. A. W. Baldwin, H. A. Piggott, and F. S. Statham. 2,259,602; Oct. 21.
Amines, Manufacture of. M. Senkus. 2,260,265; Oct. 21.
Amplifier, Automatic gain controlled. G. M. Brown. 2,259,998; Oct. 21.
Ammunition. H. N. Marsh and L. C. Weldin. 2,260,257; Oct. 21.
Amplifying system. W. Hagen. 2,260,272; Oct. 21.
Angle adapter. F. D. Bryant and W. R. Young. 2,259,999; Oct. 21.
Anhydrides of formic acid and acrylic and the alpha substituted acrylic acids, Mixed. C. E. Barnes. 2,259,512; Oct. 21.
Annealing box. K. J. Deahl. 2,260,214; Oct. 21.
Antenna unit, Adjustable. A. Fener and J. Alesi. 2,259,628; Oct. 21.
Apparatus for conducting chemical reactions at constant temperature. W. F. Caldwell. 2,260,111; Oct. 21.
Apparatus for consolidating metal powders. C. Hardy. 2,259,465; Oct. 21.
Apparatus for controlling electric circuits. F. G. Logan. 2,260,146; Oct. 21.
Apparatus for controlling movement of knitting machine carrier friction boxes. H. E. Baun. 2,260,162; Oct. 21.
Apparatus for cossetting roots and the like. W. H. Hanni and J. W. McFarland. 2,259,689; Oct. 21.
Apparatus for degreasing and coating hollow metal bodies. J. F. Black. 2,259,546; Oct. 21.
Apparatus for depositing sulphur pellets in glass containers. V. G. Politsch and A. G. Lauck. 2,259,777; Oct. 21.
Apparatus for doubling packs. R. J. Leckrone. 2,259,700; Oct. 21.
Apparatus for fabricating macaroni. A. Tanzi. 2,259,943; Oct. 21.
Apparatus for forming sheet glass. J. T. Zellers. 2,259,716; Oct. 21.
Apparatus for grading stone. M. C. Stevens. 2,260,095; Oct. 21.
Apparatus for hydrocarbon conversion. L. E. Nofsinger. 2,260,153; Oct. 21.
Apparatus for making and securing bag handles. R. S. Clancy. 2,259,878; Oct. 21.
Apparatus for making continuous sliver of rayon staple fibers. K. Jehle and K. Schmauder. 2,259,697; Oct. 21.

Apparatus for making hollow glass building blocks. D. A. Bridges. 2,259,728; Oct. 21.
Apparatus for making paper. E. E. Covey. 2,259,859; Oct. 21.
Apparatus for manufacturing duplex bags. L. C. Kimple. 2,260,225; Oct. 21.
Apparatus for measuring plasticity. P. S. Roller. 2,259,491; Oct. 21.
Apparatus for operating lifesaving buoys. H. Amdal. 2,260,109; Oct. 21.
Apparatus for processing thread or the like. W. Jannell. 2,260,251; Oct. 21.
Apparatus for producing a continuous glass strip. E. B. Le Mare. 2,259,755; Oct. 21.
Apparatus for reconditioning engine cylinders. E. A. Koether. 2,259,475; Oct. 21.
Apparatus for regulating pulp level in ball mills. R. C. Newhouse. 2,259,769; Oct. 21.
Apparatus for separating multiple invoices and carbons. H. H. Brower. 2,259,795; Oct. 21.
Apparatus for tempering glass. J. L. Drake. 2,259,741; Oct. 21.
Arbor support and harness structure. L. H. Blood. 2,260,098; Oct. 21.
Article support. A. Rosenthal. 2,259,663; Oct. 21.
Artificial materials, Manufacture of. H. Dreyfus. 2,259,518; Oct. 21.
Ash tray. G. A. Black, W. R. Lancaster, and P. Dahl. 2,259,793; Oct. 21.
Automatic draft regulator. B. Valjean. 2,259,845; Oct. 21.
Automobile control mechanism. C. M. Perkins. 2,259,774; Oct. 21.
Automobile vehicle. P. L. Fréret. 2,260,102; Oct. 21.
Awning, Folding. W. P. McCarthy. 2,259,903; Oct. 21.
Bags, Machine and method for manufacturing. H. H. Orr. 2,260,191; Oct. 21.
Baler, Pickup. R. R. Raney. 2,259,908; Oct. 21.
Ball bearing. J. W. Foley. 2,259,881; Oct. 21.
Band receiving system. F. K. Vreeland. 2,259,595–6; Oct. 21.
Barrel cleaning machine, Automatic. K. E. Drechsler. 2,259,556; Oct. 21.
Bathing suit, Non sinkable. A. L. Sommers and R. Block. 2,259,709; Oct. 21.
Bearing: *See*—
  Ball bearing.
  Side bearing.
Bearing for tractors. J. E. Lucas. 2,259,648; Oct. 21.
Bearings, Making. E. R. Darby and C. M. Heath. 2,260,247; Oct. 21.
Beater for fiber plant stock. R. G. Osborne. 2,259,830; Oct. 21.
Bed chair. L. Lombardi, C. H. Spicer, and C. F. Christensen. 2,260,079; Oct. 21.
Bed warming means. E. J. Sweetland. 2,259,712; Oct. 21.
Beef carcasses, Treatment of. B. E. Williams and L. L. Cadwell. 2,259,868; Oct. 21.
Beverage, Nutrient. S. H. Perky and C. L. Crum. 2,259,582; Oct. 21.
Binder mechanism for skis. V. E. Legros. 2,259,701; Oct. 21.
Birdhouse. A. S. Garthus. 2,260,018; Oct. 21.
Bismuth and preparing same, Therapeutic preparation of. S. L. Ruskin. 2,259,492; Oct. 21.
Block: *See*—
  Building block.
Blowpipe apparatus. H. W. Jones. 2,259,956; Oct. 21.
Body pad. W. H. Ballman. 2,260,134; Oct. 21.
Bomb, Demolition. L. D. Jennings, F. J. Ramik and H. E. Criner. 2,260,142; Oct. 21.
Boot and shoe manufacture. A. Vamos. 2,259,944; Oct. 21.
Boring head. P. M. Hallett. 2,259,627; Oct. 21.
Bottle carrier. R. P. Smith. 2,259,667; Oct. 21.
Box: *See*—
  Annealing box.
  Shuttle box.
  Journal box.
Bracelet or the like. P. J. Bellavance. 2,259,542; Oct. 21.
Bracket for lamps and the like. R. W. Hall. 2,259,522; Oct. 21.
Brake. E. G. Morrison. 2,260,189; Oct. 21.
Brake drum distortion, Compensating means for. S. Schnell and A. Brunner. 2,259,835; Oct. 21.
Brake shoe, Keyless. J. J. McGuire. 2,260,227; Oct. 21.
Braking and steering mechanism. W. F. Boldt. 2,259,794; Oct. 21.

Braking means for invalid chairs. F. W. Connolly. 2,259,924; Oct. 21.
Brassière. L. M. Clermont. 2,259,617; Oct. 21.
Bread slicing machine. H. J. Criner. 2,259,801; Oct. 21.
Broaching tool. K. Bake. 2,259,969; Oct. 21.
Brush holder for receptacles. E. S. Dunton. 2,259,927; Oct. 21.
Brushing device and motor therefor, Mechanical. W. S. Sussman. 2,259,964; Oct. 21.
Bucket tooth unit. A. N. Crawford. 2,259,456; Oct. 21.
Buckle connection. J. Shaulson. 2,260,060; Oct. 21.
Building block. E. T. Putnam. 2,259,778; Oct. 21.
Building construction. R. M. Nyhagen, Jr. 2,259,829; Oct. 21.
Building construction. W. H. Venzie. 2,259,594; Oct. 21.
Building structure, Prefabricated. A. C. Sanford. 2,260,058; Oct. 21.
Building unit. H. M. Alexander. 2,259,718; Oct. 21.
Bulldozer. C. A. Gustafson. 2,259,747; Oct. 21.
Bumper, especially applicable to railway vehicles. J. Mercier. 2,260,277; Oct. 21.
Bundle-tier machine. A. H. Saxton. 2,259,707; Oct. 21.
Burner: *See*—
  Fuel burner.
  Oil burner.
Burner. H. E. Henriksen. 2,259,818; Oct. 21.
Bushing, Resilient drive. R. B. Dexter. 2,259,460; Oct. 21.
Butyl alcohol fermentation process. N. R. Tarvin. 2,260,126; Oct. 21.
Cabinet: *See*—
  Refrigerator cabinet.
Cable: *See*—
  Electric cable.
Calcined lithopone, Treating. K. S. Mowlds. 2,259,484; Oct. 21.
Calcium sulphate, Inhibiting the hydration of anhydrous. W. W. Heckert. 2,259,638; Oct. 21.
Calendar, Automatic. B. S. Balinski. 2,259,603; Oct. 21.
Camera shutter mechanism. B. Mayer. 2,260,120; Oct. 21.
Can body. R. C. Taylor. 2,259,498; Oct. 21.
Cane and umbrella handle, Illuminating. F. A. Geier. 2,259,443; Oct. 21.
Cap: *See*—
  Knitted cap.
Carpet sweeper. W. G. Hall and F. W. Pullen. 2,260,179; Oct. 21.
Carrier: *See*—
  Bottle carrier.
  Combination carrier.
Carton. A. Kienlen. 2,259,822; Oct. 21.
Cartoon effects, Creating. L. B. Pickley. 2,260,092; Oct. 21.
Case carburizing. O. E. Harder. 2,260,249; Oct. 21.
Cash register. J. Patzelt. 2,259,581; Oct. 21.
Casing drying means. C. T. Walter. 2,260,244; Oct. 21.
Casing from wells, Removing. W. P. Holland. 2,259,564; Oct. 21.
Castings, Forming. H. F. Hagemeyer. 2,259,634; Oct. 21.
Catalyst purging. M. T. Carpenter. 2,259,486; Oct. 21.
Catalyst purging. W. B. Plummer. 2,259,485; Oct. 21.
Catalyst recovery. D. E. Payne. 2,259,487; Oct. 21.
Catalysts, Dewaxing. W. W. Myddleton. 2,259,961; Oct. 21.
Catheter and the like. P. A. Raiche. 2,259,488; Oct. 21.
Cathode support, Filamentary. C. T. Miller. 2,259,703; Oct. 21.
Cattle holder. G. P. Evans. 2,259,929; Oct. 21.
Cellulose derivative film and coating. L. E. Goff and S. L. Lopata. 2,259,746; Oct. 21.
Cellulose derivative materials, Dyeing. C. M. Croft, G. W. Seymour, and W. Brooks. 2,259,515; Oct. 21.
Cement bag cutting means. R. A. Perkins. 2,259,775; Oct. 21.
Centrifugal machine. L. D. Jones. 2,259,643; Oct. 21.
Centrifugal separator. J. J. Serrell, Jr. 2,259,665; Oct. 21.
Ceramic composition. B. C. Burgess and J. E. Boyd, Jr. 2,260,000; Oct. 21.
Ceramic materials. E. Krautz and W. Meyer. 2,260,034; Oct. 21.
Cereal, Fortified. H. J. Billings. 2,259,543; Oct. 21.
Chair: *See*—
  Bed chair.
  Three-way chair.
Changeable illuminated sign. G. F. Reed. 2,259,909; Oct. 21.
Checkerwork. H. W. Walters. 2,259,913; Oct. 21.
Chemical compound. R. W. Maxwell. 2,259,650; Oct. 21.
Child's vehicle. A. J. Bailie. 2,259,987; Oct. 21.
Chime ringer. M. Rich, Jr. 2,260,195; Oct. 21.
Choke coil, Double-frequency resonant. M. J. Brown and E. T. Hughes. 2,260,164; Oct. 21.
Circuit: *See*—
  Control circuit.
  Indicator tube circuit.
  Electric valve circuit.
  Volume control circuit.
Circuit breaker. J. H. Burnside. 2,259,454; Oct. 21.
Circuit breaker. J. M. Cumming and R. H. Leitzel. 2,259,971; Oct. 21.
Circuit breaker, Enclosed. D. Ellis. 2,260,073; Oct. 21.
Circuit breaker, Gas-blast. H. Milliken. 2,260,188; Oct. 21.
Circuit breaker system, Automatic reclosing. W. R. Taliaferro. 2,259,965; Oct. 21.
Circuit interrupter. J. M. Wallace. 2,259,946; Oct. 21.
Circuit supplied with rectified alternating electric current, Inductive load. S. A. Stevens. 2,260,200; Oct. 21.
Clamp: *See*—
  Skate clamp.
  Tool bar clamp.
Cleaner: *See*—
  Egg cleaner.
  Suction cleaner.
  Lens cleaner.
Cleaning machine. J. W. Watkins. 2,259,597; Oct. 21.
Clearance indicator for automobiles. F. Chang. 2,259,614; Oct. 21.
Clip: *See*—
  Loose-leaf binder clip.
Closure for boxes and wrappers. J. F. Donnelly. 2,260,137; Oct. 21.
Closure system, Fluid operated. C. W. Ritchie. 2,259,705; Oct. 21.
Cloth material and preparing the same. E. Passavant. 2,260,052; Oct. 21.
Clutch: *See*—
  Friction clutch.
  Roller clutch.
Clutch. C. M. Eason. 2,259,461; Oct. 21.
Clutch. P. Van Sittert. 2,259,839; Oct. 21.
Clutch and brake control mechanism. W. R. Freeman. 2,259,810; Oct. 21.
Clutch assembly. W. Marshall. 2,260,119; Oct. 21.
Clutch control. D. B. Baker, C. R. Rogers, and W. O. Bechman. 28,259,871; Oct. 21.
Clutch coupling for motor vehicles. J. O. Holloway. 2,259,933; Oct. 21.
Clutch mechanism, Power operated. T. J. Zeller. 2,259,599; Oct. 21.
Clutch release, Automatic. V. B. Lowder. 2,259,824; Oct. 21.
Coating apparatus. S. D. Klyce. 2,259,571; Oct. 21.
Coatings on aluminum and its alloys, Production of opaque protective. M. Schenk. 2,260,278; Oct. 21.
Coffee dispenser. C. Stern. 2,259,710; Oct. 21.
Coil winding machine, Automatic. S. A. Platt. 2,260,053; Oct. 21.
Comb, Pocket. O. J. Rainville. 2,260,093; Oct. 21.
Combination carrier. W. Elliott. 2,260,174; Oct. 21.
Composition and casting of type and in machines therefor. R. H. Scott, W. F. Gorse, and A. S. Hayward. 2,259,837; Oct. 21.
Compost for mushroom culture, Synthetic. B. B. Stoller. 2,260,201; Oct. 21.
Compounds of the hydrouracil series, Manufacture of. O. Dalmer, C. Diehl, and H. Pieper. 2,259,925; Oct. 21.
Concrete form spacer. R. C. Day. 2,259,555; Oct. 21.
Condensation products, Rubberlike. H. Jacobi and W. Flemming. 2,259,470; Oct. 21.
Condenser and supporting arrangement, Marine turbine. J. H. Doran. 2,260,010; Oct. 21.
Condenser dielectric and preparing it. D. A. McLean. 2,259,978; Oct. 21.
Conduit and wire distribution system, Wiring. J. W. Wiesmann. 2,259,674; Oct. 21.
Connection, Electrical. J. B. Borgadt. 2,260,209; Oct. 21.
Connector: *See*—
  Electrical connector.
  Electrical grounding connector.
Construction element for aircraft. C. Dornier. 2,259,624; Oct. 21.
Container. A. A. Olson. 2,260,230; Oct. 21.
Container and bag. H. H. Orr. 2,260,192; Oct. 21.
Container and making same. J. B. Meek. 2,260,149; Oct. 21.
Container lid. A. A. Abramson. 2,259,509; Oct. 21.
Containers and material therefor, Forming. I. Gurwick. 2,259,886; Oct. 21.
Containers, Making. J. S. Stokes. 2,259,866; Oct. 21.
Containers, Making. J. S. Stokes. 2,260,064; Oct. 21.
Containers, Manufacture of. A. A. Abramson. 2,259,508; Oct. 21.
Control apparatus. P. P. Dean. 2,259,437; Oct. 21.
Control arrangement, Automatic. H. Bany. 2,259,988; Oct. 21.
Control circuit, Automatic gain. H. M. Neustadt. 2,259,906; Oct. 21.
Control device. W. J. Ettinger. 2,260,014; Oct. 21.
Control device. W. R. McDowell and R. A. Winborne. 2,260,083; Oct. 21.
Control for stone cutting and finishing machines, Automatic. J. P. Ellenbecker. 2,259,808; Oct. 21.
Control system. P. E. Cary. 2,259,877; Oct. 21.
Control system. H. G. Moore 2,260,044; Oct. 21.
Control system. A. B. Simon, Jr. 2,260,266; Oct. 21.
Control system, Automatic W. L. Atwood, L. N. Jones, and H. L. Smith, Jr. 2,260,131; Oct. 21.
Control system, Collective. J. H. Bartholomew. 2,259,449; Oct. 21.
Control system, Electrode. C. C. Levy. 2,259,958; Oct. 21.
Control valve. C. de Ganahl. 2,259,439; Oct. 21.
Control valve mechanism. W. R. Freeman. 2,259,809; Oct. 21.
Controller, Electric. J. A. Hepperlen. 2,260,025; Oct. 21.
Conveyer. W. B. Hullhorst. 2,259,748; Oct. 21.

Cooling apparatus for beverage dispensers. G. O. Hall. 2,259,852; Oct. 21.
Cord assembly, Assist. A. W. Prance. 2,260,124; Oct. 21.
Core making machine. W. E. Naylor and A. V. Magnuson. 2,259,768; Oct. 21.
Corn picker. B. M. Hyman. 2,259,893; Oct. 21.
Corn picker and husker, Tractor mounted. B. M. Hyman. 2,259,892; Oct. 21.
Corn planter. A. J. Haemer. 2,260,023; Oct. 21.
Cotton picker. E. A. Johnston. 2,259,894; Oct. 21.
Counterbalancing means for engraving and copying machines. K. Zwick. 2,260,157; Oct. 21.
Coupling. H. T. Lang. 2,260,038; Oct. 21.
Coupling arrangement for high frequency transmission systems. A. Alford. 2,259,510; Oct. 21.
Coupling device. J. S. Donaldson. 2,260,215; Oct. 21.
Coupling unit. W. O. Beyer and T. R. Tarn. 2,259,453; Oct. 21.
Cover: *See*—
Match cover. Receptacle cover.
Cow tail holder. A. M. Barrow. 2,259,791; Oct. 21.
Crane, Universally movable floor. J. Evans. 2,259,558; Oct. 21.
Current control apparatus, Alternating electric. S. A. Stevens and A. H. B. Walker. 2,259,711; Oct. 21.
Curtain holder. S. L. Pidot. 2,260,194; Oct. 21.
Cutoff means for flat drawn sheet glass, Automatic. L. A. Hinkle. 2,260,103; Oct. 21.
Cutout, Electrical. C. E. Mosley. 2,260,084; Oct. 21.
Cutter: *See*—
Rotary cutter.
Cutter bar construction. G. R. Johnson. 2,259,750; Oct. 21.
Cutting machine. H. E. Morton. 2,259,654; Oct. 21.
Cycle controller. A. F. Sinclair and J. E. Collins. 2,260,199; Oct. 21.
Cyclic ketals and preparing same. G. H. Morey. 2,260,261; Oct. 21.
Dauber. A. Booth. 2,259,547; Oct. 21.
Deep well pump. W. F. Tebbetts, Jr. 2,260,127; Oct. 21.
Degreasing apparatus, Portable. J. F. Black. 2,259,545; Oct. 21.
Desk-stand for cylindrical slide rules, Mechanical. C. Sutton. 2,259,786; Oct. 21.
Device for lawn development. S. T. Blohm. 2,260,110; Oct. 21.
Device for producing articulate sounds. B. L. Henry. 2,259,467; Oct. 21.
Device for pulling down the heel portion of sports boots. G. Pflugmann. 2,259,831; Oct. 21.
Device for securing teeth on buckets. E. G. Edison. 2,259,742; Oct. 21.
Diamond abrasive, Porcelanic bonded. H. R. Houchins. 2,259,468; Oct. 21.
Diaphragm pump, Constant pressure. J. H. Herder. 2,260,180; Oct. 21.
Die for collar pressing machines. S. Stadub. 2,259,865; Oct. 21.
Dioximes and isoxazoles, Production of. S. B. Lippincott. 2,260,256; Oct. 21.
Dispenser: *See*—
Coffee dispenser.
Dispenser and support therefor. G. Binnon. 2,259,992; Oct. 21.
Dispensing device. M. A. Mikesh. 2,260,259; Oct. 21.
Dispensing device. B. H. Smith, Jr. 2,259,863; Oct. 21.
Dispensing device. C. W. Ward. 2,259,848; Oct. 21.
Dispensing pump. C. C. Oberly. 2,259,771; Oct. 21.
Display card. H. M. Owens. 2,259,772; Oct. 21.
Display device. J. R. Connor. 2,259,436; Oct. 21.
Display device. E. Wagner. 2,260,068; Oct. 21.
Door: *See*—
Furnace door. Spring return push door.
Door construction. V. L. Holmes. 2,259,819; Oct. 21.
Door construction, Overhead. W. A. Norberg. 2,259,979; Oct. 21.
Door handle assembly. A. W. Prance. 2,260,125; Oct. 21.
Door latch. H. J. Murphy. 2,259,766; Oct. 21.
Door latch mechanism, Automobile. H. E. Van Voorhees. 2,259,670; Oct. 21.
Door operating device. E. Lane. 2,260,080; Oct. 21
Doorstop. I. E. Johnson. 2,259,821; Oct. 21.
Dough, Machine for twisting. J. MacManus. 2,259,476; Oct. 21.
Dough product drier. C. Surico. 2,259,963; Oct. 21.
Draft attachment for railway cars. G. T. Johnson and H. H. Wolfe. 2,260,076; Oct. 21.
Drag hitch for tandem disks. B. F. Mowers. 2,259,828; Oct. 21.
Dress. L. Costanza. 2,260,168; Oct. 21.
Drier: *See*—
Dough product drier.
Drill: *See*—
Rock drill.
Drill. G. M. Burger. 2,259,611; Oct. 21.
Drill feed control, Diamond. H. S. Hoffar. 2,259,694; Oct. 21.
Drill holder. A. J. Matter. 2,260,086; Oct. 21.
Driving mechanism for projectors. P. F. Sperry. 2,259,591; Oct 21.
Drop pit apparatus. H. K. Christie. 2,259,552; Oct. 21.
Drying apparatus. A. C. Beardslee and G. W. Wilson. 2,259,606; Oct. 21.
Duct construction. T. M. Cunningham. 2,259,737; Oct. 21.
Dumping apparatus. W. H. Cornelius. 2,259,798; Oct. 21.
Duplex bags, Manufacturing. L. C. Kimple. 2,259,752; Oct. 21.
Duplicating mechanism. A. J. Levenhagen and R. F. Morrison. 2,260,040; Oct. 21.
Duplicator for machine tools. C. Johnson. 2,259,472; Oct. 21.
Durohydroquinone, Preparing. F. Jung. 2,259,936; Oct. 21.
Dust collector. H. P. Bacon and L. A. Eiben. 2,259,919; Oct. 21.
Dye and making the same, Indigoid. J. E. Cole and B. F. Skiles. 2,259,618; Oct. 21.
Dyes, Metallized acid polyazo. M. L. Crossley and L. M. Shafer. 2,259,734–6; Oct. 21.
Egg case filler division plate. E. E. Holwick. 2,260,074; Oct. 21.
Egg cleaner. H. B. Fink. 2,260,016; Oct. 21.
Electric cable, Sheathed. H. Zündorf. 2,259,850; Oct. 21.
Electric control system. L. G. Levoy, Jr. 2,260,039; Oct. 21.
Electric controlling apparatus. F. G. Logan. 2,259,647; Oct. 21.
Electric cord clamping device. A. C. Grohsgal. 2,259,444; Oct. 21.
Electric discharge, Method and apparatus for. W. H. Bennett. 2,259,451; Oct. 21.
Electric discharge vessels, Manufacturing. R. Scharfnagel. 2,260,264; Oct. 21.
Electric heater. F. W. Perry. 2,260,107; Oct. 21.
Electric heater. D. L. Ripley. 2,260,233; Oct. 21
Electric heater. E. L. Wiegand and J. McOrily. 2,260,108; Oct. 21.
Electric outlet plug. J. P. Corrigan. 2,259,799; Oct. 21.
Electric valve circuit. E. A. Edwards. 2,260,012; Oct. 21.
Electric valve system for dynamoelectric machines. E. E. Moyer. 2,260,046; Oct. 21.
Electrical conductor, Insulated. R. W. Hall and H. A. Smith. 2,260,024; Oct. 21.
Electrical connection. S. M. Del Camp. 2,259,740; Oct. 21.
Electrical connector. B. Cox. 2,259,800; Oct. 21.
Electrical control system. D. W. Moore, Jr. 2,260,122; Oct. 21
Electrical grounding connector. M. D. Bergan. 2,260,136; Oct. 21.
Electrical switch. C. E. Pollard. 2,259,661; Oct. 21.
Electromagnetic device. D. E. Branson. 2,259,514; Oct. 21.
Electron tube device. F. Herriger. 2,260,274; Oct. 21.
Emulsion. B. R. Harris and F. J. Cahn. 2,259,466; Oct. 21.
Enameling, Method of and apparatus for. W. C. Johnson. 2,259,935; Oct. 21.
Engine: *See*—
Free piston engine.
Internal combustion engine.
Envelope handling machine. E. J. Dummer and E. L. Pinder. 2,259,557; Oct. 21.
Esters, Manufacture of cellulose. C. L. Fletcher. 2,259,462; Oct. 21.
Exercising horse. M. J. Burke. 2,259,551; Oct. 21.
Exhibition device, Structural. W. D. Collins. 2,259,435; Oct. 21.
Fabric holder for mending and the like. J. A. Marshall. 2,259,825; Oct. 21.
Fastening arrangement. H. L. Newell. 2,260,048; Oct. 21.
Feeding device for printing presses, check cancelers, and the like, Pneumatic. J. A. Waller. 2,259,672; Oct. 21.
Feeding mechanism. E. H. Davis. 2,259,458; Oct. 21.
Feeding mechanism. J. Stuart, II. 2,259,785; Oct. 21.
Fence, Electric. S. G. Klumb. 2,259,570; Oct. 21.
Filing and finding system, Selective. R. O. Griffin. 2,259,463; Oct. 21.
Filing device. J. W. Whitson. 2,260,069; Oct. 21.
Filler cap lock. P. P. Mikolajczak. 2,259,652; Oct. 21.
Filling and weighing machine, Sack. H. Neill. 2,260,087; Oct. 21.
Film jam shutoff, Automatic. M. Shorr. 2,259,493; Oct. 21.
Film movement mechanism, Intermittent. G. H. Worrall. 2,259,849; Oct. 21.
Film recording or reproducing device, Sound. E. C. Wente. 2,260,202; Oct. 21.
Filter device. T. J. McLeish. 2,259,938; Oct. 21.
Filter holder, Adjustable. L. Boor. 2,260,208; Oct. 21.
Finger guard for sewing machines. F. Damiano. 2,259,683; Oct. 21.
Fire extinguishing apparatus. W. Tappe. 2,259,966; Oct. 21.
Fire extinguishing method. N. J. Thompson. 2,259,500; Oct. 21.

Fire-extinguishing method and apparatus. J. B. Smith. 2,259,501; Oct. 21.
Firearm. C. H. Barnes. 2,259,989; Oct. 21.
Fishing bob. W. E. Sears. 2,260,059; Oct. 21.
Fishing plug. W. W. Haggrett. 2,259,635; Oct. 21.
Fishing rod handle. W. G. Balz. 2,260,204; Oct. 21.
Flier construction. M. J. McHale. 2,259,826; Oct. 21.
Flotation machine for the treatment of ores and the like. R. Fortune. 2,259,744; Oct. 21.
Flow tube. V. Gentile, Jr. 2,260,019; Oct. 21.
Fluid lift. M. P. Burke. 2,259,949; Oct. 21.
Flush tank valve. Y. H. Kurkjian. 2,260,078; Oct. 21.
Flush valve. W. E. Sloan and I. H. Russell. 2,260,094. Oct. 21.
Flushing composition. E. L. Baldeschwieler and R. D. Chew. 2,259,872; Oct. 21.
Fly swatter. J. N. Miller. 2,260,106; Oct. 21.
Flying boat. C. Dornier. 2,259,625; Oct. 21.
Flywheel rotating tool. C. P. Bohlander. 2,259,922; Oct. 21.
Food product. P. B. Myers. 2,259,767; Oct. 21.
Foot-balancing and cushioning means. P. L. Lazarus. 2,260,037; Oct. 21.
Footwear, Making orthopedic. A. Fisch. 2,259,687; Oct. 21.
Fountain applicator. E. C. Deitrich and D. V. Lisle. 2,260,100; Oct. 21.
Fountain comb or liquid applicator. F. C. Griffith. 2,259,931; Oct. 21.
Fractionating method and apparatus therefor. A. G. McKee. 2,259,762; Oct. 21.
Frame: *See*—
Picture frame.
Spinning and roving frame.
Frame construction for buildings. H. Hasenburger and H. W. Corbett. 2,260,105; Oct. 21.
Free piston engine. F. John and A. Steinbecher. 2,260,252; Oct. 21.
Free wheeling dual wheel. E. V. and V. G. Garnett. 2,259,813; Oct. 21.
Friction clutch. C. B. Spase. 2,259,784; Oct. 21.
Frog feeding device. A. Berland. 2,259,876; Oct. 21.
Fuel burner. F. T. Cope. 2,260,166; Oct. 21.
Fuel burner. T. B. Stillman. 2,260,062; Oct. 21.
Fuel governor for internal combustion engines. H. Hogeman. 2,259,693; Oct. 21.
Fuel injection system for internal combustion engines. A. R. Kearney. 2,260,077; Oct. 21.
Fuel separator. O. E. Guillaume. 2,259,633; Oct. 21.
Fuel supply system. M. Vogel-Jorgensen. 2,259,967; Oct. 21.
Furnace block, arch, and wall. R. W. Bell. 2,260,242; Oct. 21.
Furnace control. W. E. Firehammer. 2,259,973; Oct. 21.
Furnace door. H. R. Loxterman. 2,259,900; Oct. 21.
Furniture glider and glider installation. C. A. Woodward. 2,259,714; Oct. 21.
Gauge, Combination. V. D. Papineau. 2,259,773; Oct. 21.
Gas generator, Mechanical. L. de Csaby 2,260,271; Oct. 21.
Gas mixtures, Purifying. G. L. Matheson. 2,259,901; Oct. 21.
Gasket. W. W. Boyd. 2,259,609; Oct. 21.
Gasket, Pipe joint. T. D. Nathan. 2,259,940; Oct. 21.
Gearing. J. H. Doran and G. B. Warren. 2,260,009; Oct. 21.
Generator: *See*—
Gas generator.
Geophysical exploration system. C. G. Morgan. 2,259,478; Oct. 21.
Glass breaking apparatus, Sheet. J. R. Morris. 2,259,765; Oct. 21.
Glass, Tempering. H. E. Bowers. 2,259,727; Oct. 21.
Golf practice putting device. C. W. Wheeler and Z. S. Daniels. 2,259,916; Oct. 21.
Golf practicing apparatus. H. C. Young. 2,259,918; Oct. 21.
Granules, Abrasive ceramic. D. C. Asper. 2,259,601; Oct. 21.
Grease fitting. D. A. Kelly. 2,259,977; Oct. 21.
Grease gun. W. L. Ostendorf. 2,259,857; Oct. 21.
Grinder, Roller skate wheel. J. P. Gleba. 2,259,883; Oct. 21.
Guanyl urea sulphamate, Making. W. H. Hill. 2,259,563; Oct. 21.
Guard, Automobile bumper. R. B. Fageol. 2,259,440; Oct. 21.
Guard, Fan. G. H. Koch. 2,259,853; Oct. 21.
Guard for beverage bottles, Sanitary. R. D. Moore. 2,259,856; Oct. 21.
Guard, Typist's erasure. E. R. Pierce. 2,260,089; Oct. 21.
Guide, Fender. A. A. Johnson. 2,260,253; Oct. 21.
Gum material, Chewing. L. W. Mahle. 2,260,148; Oct. 21.
Hair drying apparatus. C. L. Hunsicker. 2,259,749; Oct. 21.
Hair waving device. A. Davis. 2,260,213; Oct. 21.
Halogenated polymers and preparing same, Uniformly. V. Voorhees. 2,259,671; Oct. 21.
Hammer, Portable. G. C. Wilhide. 2,260,070; Oct. 21.
Hammer, Portable power. A. G. Decker, Jr. 2,260,172; Oct. 21.
Handle: *See*—
Fishing rod handle.
Hardness testing machine. R. L. H. Smith. 2,259,840; Oct. 21.
Hat receptacle. A. J. Gawelek. 2,259,930; Oct. 21.
Hay press. P. P. Miller. 2,259,530; Oct. 21.
Head attachment for oxygen tubes, Adjustable. E. M. Hawkins. 2,259,817; Oct. 21.
Heat exchanger. D. B. Banks. 2,259,604; Oct. 21.
Heat in catalytic reactions, Controlling. H. M. Nelly, Jr., and L. C. Rubin. 2,260,152; Oct. 21.
Heat transfer equipment of the tube and head or coil type. J. W. Throckmorton. 2,260,243; Oct. 21.
Heater: *See*—
Electric heater. Windshield heater.
Solar heater.
Heating means. E. N. Calhoun. 2,260,165; Oct. 21.
Heating system and control means therefor. W. S. Landon. 2,259,645; Oct. 21.
Heel-attaching machine. T. A. Kestell and W. R. Barclay. 2,259,568; Oct. 21.
Heel, Transparent. W. J. Hubbard, Jr. 2,260,224; Oct. 21.
High frequency system. A. Wiessner. 2,260,269; Oct. 21.
Hinge. A. Benzick. 2,259,970; Oct. 21.
Hockey stick. E. C. W. Evernden. 2,260,218; Oct. 21.
Holder: *See*—
Cattle holder. Manicuring tool holder.
Cow tail holder. Piezoelectric crystal holder.
Curtain holder.
Drill holder. Skein holder.
Filter holder.
Hook for bumper jacks or the like. C. M. Akins. 2,259,789; Oct. 21.
Hot food storage table. S. H. Ershler. 2,259,519; Oct. 21.
House trailer, Collapsible. M. Sparling. 2,259,783; Oct. 21.
Hydrator, Paper stock. C. W. Smith. 2,260,198; Oct. 21.
Hydraulic device, for transmitting power. R. Fichtner. 2,260,015; Oct. 21.
Hydraulic injection molding press. V. S. Shaw and L. S. Hubbert. 2,259,781; Oct. 21.
Hydrocarbon compounds including volatile and nonvolatile constituents, Process involving the distillation and fractionation of a mixture comprising. T. O. Wilton. 2,260,071; Oct. 21.
Hydrocarbons, Catalytic conversion of. E. L. d'Ouville, B. L. Evering, and A. G. Oblad. 2,260,279; Oct. 21.
Hydrocarbons, Conversion of. E. T. Layng. 2,259,754; Oct. 21.
Hydrocarbons, Distillation and fractionation of mixtures of. T. O. Wilton. 2,260,072; Oct. 21.
Hydrocarbons, Thermally reacting. F. E. Frey, H. J. Hepp, and G. H. Morey. 2,259,630; Oct. 21.
Hydrogen peroxide and urea, Manufacture of the solid compound of. W. E. Morgan. 2,259,479; Oct. 21.
Hygrometer. R. C. Wappner. 2,260,245; Oct. 21.
Ice block forming and dispensing device. R. A. Bayne. 2,260,159; Oct. 21.
Ice making apparatus. A. H. Baer. 2,259,920; Oct. 21.
Images, Protecting. R. Möller, E. Schwartz, and G. Jaeckel. 2,260,228; Oct. 21.
Impedance device. H. L. Clark. 2,260,002; Oct. 21.
Implement attachment for tractors. H. P. Smith. 2,259,864; Oct. 21.
Indexing mechanism for machine tools. E. P. Bullard, III. 2,259,948; Oct. 21.
Indicating system, Electrical. R. M. Hicks and E. R. Leroy. 2,260,116; Oct. 21.
Indicator: *See*—
Pressure indicator. Wind velocity indicator.
Speed indicator.
Indicator tube circuit. H. Baumgartner. 2,259,873; Oct. 21.
Inhaler. G. Lufkin. 2,259,759; Oct. 21.
Inner seal, Tamper-proof. J. W. Wandell. 2,260,156; Oct. 21.
Insecticide and repellent. C. C. Allen. 2,259,869; Oct. 21.
Instrument for measurement of electrical resistance. G. B. Rolfe. 2,260,234; Oct. 21.
Insulating material and making same, Refractory. L. Krieger. 2,260,035; Oct. 21.
Insulator. C. J. Lemont. 2,259,526; Oct. 21.
Internal combustion engine. S. G. Baits and D. K. Badertscher. 2,260,132; Oct. 21.
Internal combustion engine. R. A. L. Seligman. 2,260,197; Oct. 21.
Internal combustion engine fitment. W. Neumann. 2,259,656; Oct. 21.
Internal combustion engine, Two-cycle. H. R. Ricardo. 2,259,660; Oct. 21.
Internal combustion motor. A. A. Andersen. 2,259,983; Oct. 21.
Joint: *See*—
Universal joint.
Joint construction, Duct. W. H. Gray. 2,260,221; Oct. 21.

Jointing composition. R. H. Manley. 2,259,761; Oct. 21.
Journal box. G. F. Couch. 2,259,620; Oct. 21.
Journal box assembly. D. S. Barrows and G. F. Couch. 2,259,447–8; Oct. 21.
Ketones, Purification of halogenated. G. H. Morey. 2,260,262; Oct. 21.
Knife, Drop. B. W. Hanle. 2,260,141; Oct. 21.
Knitted cap. F. J. Wengen. 2,259,537; Oct. 21.
Knitting machine. I. H. C. Green and E. St. Pierre. 2,260,020; Oct. 21.
Knitting machines, Defect finder and stop for circular. A. F. Berthold. 2,259,607; Oct. 21.
Knitting machines, Selector means for. R. H. Lawson. 2,259,897; Oct. 21.
Lamp and operating circuit. D. S. Gustin. 2,259,954; Oct. 21.
Lasting tool. J. J. Murphy. 2,259,578; Oct. 21.
Latch: *See*—
Door latch. Refrigerator latch.
Lens cleaner. C. N. Larson. 2,259,609; Oct. 21.
Lens, Magnetic electron. H. Miller and H. E. Kallmann. 2,259,531; Oct. 21.
Light and flashlight, Combination hunting. R. M. White. 2,259,673; Oct. 21.
Light support. M. Paccadolmi. 2,260,091; Oct. 21.
Lime composition. F. D. Snell. 2,259,782; Oct. 21.
Liquid level controlling and indicating mechanism. W. R. Ryan. 2,259,706; Oct. 21.
Lock: *See*—
Filler cap lock.
Locker structure. J. E. Bales. 2,259,722; Oct. 21.
Locking means for fluid motors. L. W. Greve. 2,259,815; Oct. 21.
Log barking machine. E. V. Prentice. 2,259,584; Oct. 21.
Loom magazine slide and cradle lock. J. Stuer. 2,259,843; Oct. 21.
Loom picker. L. A. Deconing. 2,259,805; Oct. 21.
Loose-leaf binder clip. P. V. Wisdom. 2,259,505; Oct. 21.
Loud-speaker. J. M. Stone and C. T. Weibler. 2,260,063; Oct. 21.
Lubricator for rotary loop-takers in sewing machines. A. V. Galli. 2,259,442; Oct. 21.
Luminous advertising device. J. H. McCauley. 2,260,082; Oct. 21.
Machine for boring bearing shells. E. A. Arp. 2,260,158; Oct. 21.
Machine for making inner-liner laminated tubes. H. W. Morgan and R. E. B. Wakefield. 2,259,577; Oct. 21.
Machine tool. M. Ahnert. 2,259,870; Oct. 21.
Magnesium acid citrate, Staple soluble. J. L. Davenport and C. F. De Costa. 2,260,004; Oct. 21.
Magnetic tool. R. T. Reardon. 2,260,055; Oct. 21.
Magnetron receiver, Superregenerative. R. A. Braden. 2,259,549; Oct. 21.
Manganese alloy. R. S. Dean. 2,259,459; Oct. 21.
Manicuring tool holder. M. M. Cohen. 2,259,797; Oct. 21.
Manifold. T. A. Morris. 2,259,480; Oct. 21.
Match book or packet. J. J. Eyer. 2,259,686; Oct. 21.
Match cover. P. E. Fuchs. 2,259,812; Oct. 21.
Material handling mechanism. L. E. Topham and S. E. Woodbury. 2,259,502; Oct. 21.
Materials and products produced, Treating. J. A. Clark. 2,259,796; Oct. 21.
Measuring instrument, Repulsion-attraction type electrical. S. C. Hoare. 2,260,026; Oct. 21.
Mechanism for operating artificial limbs. W. L. Tancred and W. Henderson. 2,259,911; Oct. 21.
Media for protection from light, Production and application of. M. Dohrn and H. Nahme. 2,260,173; Oct. 21.
Melamine-aldehyde condensation products, Manufacture of. W. F. Talbot. 2,260,239; Oct. 21.
Merry-go-round. R. H. Harris. 2,259,691; Oct. 21.
Metal and alloys, Powdered. W. A. Croll. 2,259,457; Oct. 21.
Metal for subsurface defects, Examining. L. C. McNutt. 2,260,186; Oct. 21.
Metal stock, Method of and apparatus for severing. H. W. Jones. 2,259,955; Oct. 21.
Meter: *See*—
Parking meter. Variable stroke meter.
Radio distance meter.
Method and apparatus for logging bore holes. B. F. McNamee and F. Rieber. 2,259,904; Oct. 21.
Method and circuit for reducing the effect of noise pulses. M. G. Nicholson. 2,259,532; Oct. 21.
Method of and apparatus for narrowing knitted fabric. H. E. Haehnel. 2,259,974; Oct. 21.
Methylene compounds, Methods of inhibiting polymerization of unsaturated. C. E. Barnes. 2,259,513; Oct. 21.
Methylene compounds, Polymerizing and molding unsaturated. S. S. Kistler. 2,259,524; Oct. 21.
Microphone. G. B. Banks. 2,259,511; Oct. 21.
Microscope, Electron. H. Boersch, E. Brüche, and H. Mahl. 2,259,994; Oct. 21.
Microscope, Electron. H. Mahl, A. Pendzich, and E. Steudel. 2,260,041; Oct. 21.
Mineral material, Lightweight. P. S. Denning. 2,259,879; Oct. 21.
Minnow or live bait bucket. J. A. Green, F. C. and A. J. Miller, and W. H. Locke. 2,259,814; Oct. 21.
Miter square. F. D. Cooper. 2,259,619; Oct. 21.
Modulating system. W. N. Parker. 2,259,658; Oct. 21.
Mold: *See*—
Ring mold.
Molding machine. W. F. H. Braun. 2,260,161; Oct. 21.
Molding of sheets from plastic masses. V. Lefebure and J. R. Sandford. 2,260,081; Oct. 21.
Molding powder. A. B. Miller. 2,260,187; Oct. 21.
Mop. A. A. Bohnenblust. 2,259,725; Oct. 21.
Motor: *See*—
Internal combustion motor. Split-phase motor. Vibration motor.
Motor. N. Luther. 2,259,760; Oct. 21.
Mounting for tubular electric lamps. J. Weritz. 2,259,915; Oct. 21.
Mounting for vehicle emblems. M. W. Romig. 2,259,779; Oct. 21.
Mower. J. S. Clapper. 2,259,553; Oct. 21.
Mower. S. E. Hillblom. 2,259,889; Oct. 21.
Mower, Lawn. L. J. Winchell. 2,259,676; Oct. 21.
Multiclutch mechanism. E. R. Burtnett. 2,259,730; Oct. 21.
Musical instrument. E. E. Reid. 2,259,858; Oct. 21.
Musical instrument. B. Vitalis. 2,260,066; Oct. 21.
Naphtha, Refining of. E. J. Houdry. 2,259,469; Oct. 21.
Needle and such like of knitting machinery. J. Morton. 2,259,655; Oct. 21.
Nitrocellulose, Stabilizing. C. B. Gilbert. 2,260,248; Oct. 21.
Nitrogen compounds, Recovering. G. R. Lake. 2,259,896; Oct. 21.
Nitrohydrocarbons, Production of. J. Martin. 2,260,258; Oct. 21.
Nitrosa-beta naphthol iron pigment and making it. S. C. Horning. 2,259,641; Oct. 21.
Nozzle stopper. R. L. Swank. 2,259,669; Oct. 21.
Nut and manufacture thereof, Wing. E. L. Schmidt and J. L. Schwabe, Jr. 2,259,834; Oct. 21.
Nut and nut assembly. R. R. Amesbury. 2,259,720; Oct. 21.
Nut shelling machine. H. V. Garcia. 2,259,939; Oct. 21.
Nut, Spring lock. J. L. Lundberg, E. F. Smith, and W. B. Snyder. 2,260,147; Oct. 21.
Oar. W. G. Bolton. 2,259,678; Oct. 21.
Oil and gas wells, Treating. F. A. Bent and A. G. Loomis. 2,259,875; Oct. 21.
Oil burner. H. H. Fletcher. 2,259,743; Oct. 21.
Oil burner. H. F. Tapp and L. F. Spear. 2,259,535; Oct. 21.
Oil composition. H. J. West and R. E. Layman, Jr. 2,259,980; Oct. 21.
Oil composition and improving agent therefor, Mineral. H. G. Berger, W. H. James, and D. E. Badertscher. 2,259,452; Oct. 21.
Oil ring structure. T. A. Bowers. 2,259,548; Oct. 21.
Oil stick wiper. G. G. Lescher. 2,259,898; Oct. 21.
Oils, Decolorizing. C. N. Andersen. 2,259,968; Oct. 21.
Oils, Purification of hydrogenated fatty. A. U. Ayres. 2,259,540; Oct. 21.
One-way brake arrangement in motor driven vehicles. H. Ellingsen. 2,259,684; Oct. 21.
Opener, Container. R. C. Taylor. 2,259,499; Oct. 21.
Orthopedic appliance. W. J. Boos. 2,260,270; Oct. 21.
Oscillator and utilization circuit therefor, Crystal-controlled. R. Golicke. 2,259,521; Oct. 21.
Oscillator for ultra-high frequencies, Crystal controlled. W. P. Mason. 2,259,528; Oct. 21.
Oscilograph, Cathode ray tube. A. J. Young and L. M. Myers. 2,259,506; Oct. 21.
Oven for gas ranges. J. F. Hennessy. 2,259,639; Oct. 21.
Oxidation inhibitor. R. W. Richardson. 2,259,861; Oct. 21.
Pad: *See*—
Body pad.
Panel attaching device. F. M. Small. 2,259,666; Oct. 21.
Panel, Removable. E. S. Guignon, Jr. 2,260,178; Oct. 21.
Paper feeding means for duplicating machines. R. F. Morrison and G. E. Wimmer. 2,260,045; Oct. 21.
Paper-hanging machine. J. B. McDevitt. 2,260,185; Oct. 21.
Paraffins from lower boiling olefins, Production of. J. D. Rays and B. Bolger. 2,259,862; Oct. 21.
Parking meter. R. G. Arey. 2,259,985; Oct. 21.
Paster. J. W. Leary. 2,260,255; Oct. 21.
Patch-making machine. E. Dugaw. 2,259,806; Oct. 21.
Pedestal base structure. W. J. Bargen. 2,260,241; Oct. 21.
Pencils, Machine and method for making paper-wrapped. K. Miller. 2,259,959; Oct. 21.
Perch for birdhouses. A. S. Garthus. 2,260,017; Oct. 21.
Petroleum aminosulphonic acid and making same. W. K. Griesinger and B. Bettman. 2,259,885; Oct. 21.
Petroleum emulsions, Breaking. C. F. Bonnet. 2,259,995; Oct. 21.
Petroleum emulsions, Resolving. L. T. Monson and W. W. Anderson. 2,259,704; Oct. 21.

Phenol, an aliphatic aldehyde, and a partly amidated polycarboxylic acid, Condensation product of a. G. F. D'Alelio. 2,260,006; Oct. 21.
Phenols from products containing them, Separating. H. Wittek. 2,259,598; Oct. 21.
Phonograph, Commercial. F. Franz. 2,259,745; Oct. 21.
Physiologically effective substance and preparing same. F. Johannessohn and H. Hatzig. 2,259,698; Oct. 21.
Piano. S. T. Fripp. 2,260,139; Oct. 21.
Picture frame. C. M. Blodgett. 2,259,434; Oct. 21.
Piezoelectric crystal apparatus. W. P. Mason. 2,259,529; Oct. 21.
Piezoelectric crystal holder. L. F. Koerner. 2,259,957; Oct. 21.
Pigments and making, Treated. K. S. Mowlds. 2,259,481; Oct. 21.
Pigments and products produced thereby, Treating. K. S. Mowlds. 2,259,482; Oct. 21.
Pigments, Making improved titanium dioxide. H. Giese. 2,260,177; Oct. 21.
Pigments, Treating sulphide. K. S. Mowlds. 2,259,483; Oct. 21.
Pilot for fuel burners. F. T. Cope. 2,260,167; Oct. 21.
Pipe seasoner and rejuvenator. S. Bellinghieri. 2,260,206; Oct. 21.
Pipes, Preventing the freezing of riser. H. Miller. 2,260,151; Oct. 21.
Pistol balance. D. W. King. 2,259,569; Oct. 21.
Piston and connecting rod construction. G. H. Taylor. 2,260,240; Oct. 21.
Piston and liner. D. Bushby. 2,260,001; Oct. 21.
Piston ring. C. F. Johnston. 2,260,031; Oct. 21.
Plasterer's float. W. O. Mitchell. 2,259,653; Oct. 21.
Plate and bumper structure, Adapter. C. L. Halladay. 2,259,464; Oct. 21.
Plate for suction heads, Detachable face. C. F. Röber. 2,260,263; Oct. 21.
Plug: *See*—
Electric outlet plug. Fishing plug.
Pneumatic tube tester, High pressure. J. E. Wigington. 2,259,675; Oct. 21.
Polycyclopentadiene and ring-substituted methyl styrene, Copolymerization of. F. J. Soday. 2,259,497; Oct. 21.
Polycyclopentadiene and styrene, Copolymerization of. F. J. Soday. 2,259,496; Oct. 21.
Poultry nest. N. C. Houston. 2,260,028; Oct. 21.
Poultry nest. D. A. Smith. 2,260,096; Oct. 21.
Power-actuated apparatus. E. A. Rudolph. 2,259,832; Oct. 21.
Power tool. C. F. Warren and W. R. Smith. 2,260,268; Oct. 21.
Power transmission. F. T. Harrington. 2,259,636; Oct. 21.
Power transmitting mechanism. E. R. Burtnett. 2,259,732; Oct. 21.
Preheating apparatus. P. T. Linhard. 2,259,702; Oct. 21.
Press: *See*—
Hay press. Punch press.
Hydraulic injection molding press.
Press. R. W. Glasner. 2,259,882; Oct. 21.
Press with dual sliding table. H. F. MacMillin. 2,259,576; Oct. 21.
Press with electrically controlled collapsible air link. W. Ernst, V. S. Shaw, P. C. Pocock, and H. S. Booher. 2,260,175; Oct. 21.
Pressure indicator. Differential. G. E. Barnhart. 2,259,446; Oct. 21.
Printer slotter roll adjustment. T. S. Fitchett. 2,259,441; Oct. 21.
Printing on flimsy material. W. B. Farrell. 2,259,952; Oct. 21.
Proportioning pump. W. P. Valentine. 2,259,713; Oct. 21.
Puffing gun. H. S. Crosby and T. P. Ring. 2,259,802; Oct. 21.
Puller: *See*—
Rope puller.
Pump: *See*—
Deep well pump. Proportioning pump.
Diaphragm pump. Reversible flow pump.
Dispensing pump.
Punch press. B. Knutsen and J. W. Quis. 2,260,182; Oct. 21.
Punch press and punch and die set holder. F. H. Leslie. 2,260,183; Oct. 21.
Punching machine. C. E. Harper. 2,260,223; Oct. 21.
Radio apparatus, High frequency. W. W. Hansen, R. H. Varian, and J. R. Woodyard. 2,259,690; Oct. 21.
Radio distance meter. E. F. W. Alexanderson, F. G. Patterson, and C. A. Nickle. 2,259,982; Oct. 21.
Radio station selector. E. H. Allen. 2,259,719; Oct. 21.
Radio tuning arrangement. W. J. Polydoroff. 2,260,088; Oct. 21.
Radio volume control disks, Applying resistance deposits to. C. C. Schaefer, S. A. Tollefson, and H. F. Nied. 2,259,588; Oct. 21.
Rasp wheel. H. V. James. 2,259,820; Oct. 21.
Razor. S. Jones. 2,259,474; Oct. 21.
Receptacle: *See*—
Hat receptacle.
Receptacle. J. K. Collins. 2,259,682; Oct. 21.
Receptacle cover. S. Nove. 2,259,770; Oct. 21.
Receptacle for transporting and delivering liquids. P. M. E. Deshayes. 2,260,008; Oct. 21.
Record resurfacing machine. V. Rolain. 2,259,585; Oct. 21.
Record, Sound. W. L. Woolf. 2,259,715; Oct. 21.
Refractory material. F. Turow. 2,259,844; Oct. 21.
Refrigerant and providing the same. E. H. Spiegl. 2,259,841; Oct. 21.
Refrigerating apparatus. A. A. Kucher. 2,260,145; Oct. 21.
Refrigerating plant. F. J. Cumming. 2,259,803; Oct. 21.
Refrigerating system. W. T. Downs. 2,259,950; Oct. 21.
Refrigeration. C. C. Coons. 2,260,212; Oct. 21.
Refrigerator. L. W. Atchison. 2,259,986; Oct. 21.
Refrigerator cabinet. E. H. Boddy. 2,259,993; Oct. 21.
Refrigerator latch. E. W. North and W. O. Burke. 2,260,154; Oct. 21.
Regulator: *See*—
Automatic draft regulator.
Relay device, Electronic. H. Iams. 2,259,507; Oct. 21.
Remote control system. L. V. Lewis. 2,259,573; Oct. 21.
Removing deposit from hot water piping. L. A. Kling. 2,259,644; Oct. 21.
Repeater for telephone systems. L. E. Adler. 2,259,788; Oct. 21.
Resins, Etherified cation exchanging phenol-formaldehyde. H. Wassenegger. 2,259,503; Oct. 21.
Resins, Manufacture of water-insoluble artificial. G. Caro, A. Rieche, W. Rudolph, and H. Wassenegger. 2,259,455; Oct. 21.
Retainer strip. E. R. Hathaway. 2,260,115; Oct. 21.
Reversible flow pump. R. O. Couch. 2,260,169; Oct. 21.
Ring: *See*—
Piston ring.
Ring mold. A. L. Langel. 2,259,854; Oct. 21.
Road sweeper. C. D. Bartholow. 2,259,724; Oct. 21.
Road sweeper. W. E. Grace. 2,259,632; Oct. 21.
Rock crushing device. T. Sandy. 2,259,833; Oct. 21.
Rock drill. T. J. Edwards. 2,259,807; Oct. 21.
Roller chain sprocket wheel. H. Klaucke. 2,259,937; Oct. 21.
Roller clutch. W. H. Johnson. 2,259,473; Oct. 21.
Rope puller. J. A. Hoyt. 2,259,642; Oct. 21.
Rosin, Producing refined, noncrystallizable. J. N. Borglin. 2,259,726; Oct. 21.
Rotary cutter. C. W. Dieckmann. 2,259,623; Oct. 21.
Rubber articles, Making polished. W. H. Juve. 2,260,143; Oct. 21.
Sand trap. G. S. Turner. 2,259,593; Oct. 21.
Sand trap. W. Wright. 2,259,539; Oct. 21.
Sandal and insole therefor. C. F. Filsinger. 2,259,559; Oct. 21.
Sash balance. A. J. Rosentreter. 2,260,056; Oct. 21.
Scraper, Revolving. J. A. Vaughn. 2,259,536; Oct. 21.
Scraper, Wood surface. J. O. Roberts. 2,259,662; Oct. 21.
Screen: *See*—
Vibratory screen.
Seal Pressure recorder. H. B. Webster. 2,259,867; Oct. 21.
Sealing and illuminating means for indicating instruments. G. V. Rylsky. 2,259,910; Oct. 21.
Sealing composition and producing the same, Cold. C. Schülein. 2,259,664; Oct. 21.
Sealing means for a die in a closure wall. H. J. Walter. 2,260,128; Oct. 21.
Sealing means for gas holder pistons. W. E. Gruening and H. H. Liese. 2,260,021; Oct. 21.
Sealing strip. E. A. Wetzel. 2,260,129; Oct. 21.
Seat: *See*—
Toilet seat.
Seat and mattress construction. A. T. Reynolds and W. F. Tode. 2,259,534; Oct. 21.
Seat construction. A. W. Kaiser and H. C. Rusch. 2,260,032; Oct. 21.
Seismograph prospecting, Method of and apparatus for. E. A. Eckhardt and G. Muffly. 2,260,217; Oct. 21.
Selective control system for power driven machine tools. A. E. Lilliquist. 2,259,574; Oct. 21.
Separator: *See*—
Centrifugal separator. Traffic separator.
Fuel separator.
Sewage treatment process. A. L. Genter. 2,259,688; Oct. 21.
Sewing machine. E. C. Zablocki. 2,260,203; Oct. 21.
Shackle. L. G. Ehmann. 2,259,880; Oct. 21.
Shackle for leaf springs, Control. J. O. McReynolds. 2,259,827; Oct. 21.
Shade, Modernistic. J. De Falco. 2,260,101; Oct. 21.
Shaver, Electric. J. H. Hammond, Jr. 2,260,114; Oct. 21.
Shaving appliance. D. O. Brant. 2,259,996; Oct. 21.
Shear structure. G. T. Meyers. 2,259,763–4; Oct. 21.
Shielding device. L. J. Bazzoni. 2,259,450; Oct. 21.
Shingle. H. L. Owen. 2,259,962; Oct. 21.
Shock absorber for motorcycle forks, Liquid. B. Schleicher. 2,259,589; Oct. 21.
Shoe bottom cementing machine. W. L. MacKenzie. 2,259,575; Oct. 21.
Shoe, Golf. E. H. Feinberg. 2,260,138; Oct. 21.

Shoe parts, Edge finishing. A. V. Praedel. 2,259,583; Oct. 21.
Shoes, Machine for treating. A. L. Jalbert. 2,259,566; Oct. 21.
Shuttle box. C. D. Brown. 2,259,997; Oct. 21.
Side bearing. E. H. Biattner. 2,259,608; Oct. 21.
Siding. B. R. Rugen. 2,260,196; Oct. 21.
Sign: *See*—
Changeable illuminated sign.
Sign. E. V. Carter. 2,259,679; Oct. 21.
Signal: *See*—
Tire signal. Traffic signal.
Signal system, Polarized, two-wire, progressive, non-interfering. M. W. Muehter. 2,259,960; Oct. 21.
Signal transmission device. C. J. Clayette. 2,259,681; Oct. 21.
Signaling transmission systems, Location and identification of faults in. H. H. Benning and F. A. Leibe. 2,260,160; Oct. 21.
Silencer construction. F. E. Deremer. 2,259,516; Oct. 21.
Silk containing colloidal metals, Electrolytic preparation of powdered. R. W. Lawson and E. E. Verdiers. 2,260,276; Oct. 21.
Silk, Desizing artificial. A. Noder. 2,260,050; Oct. 21.
Skate clamp. A. P. Kwieraga. 2,259,572; Oct. 21.
Skein holder. L. A. Wiggins and R. Patterson. 2,259,917; Oct. 21.
Ski. J. L. Hotson. 2,260,027; Oct. 21.
Ski, Collapsible. J. T. Rydberg. 2,260,057; Oct. 21.
Slide fastener construction for garments. J. G. Soave. 2,259,495; Oct. 21.
Snow vehicle. H. R. Davis and T. W. Price. 2,259,804; Oct. 21.
Sodium magnesium brines, Treatment of natural. K. J. Jacobi. 2,260,250; Oct. 21.
Solar heater. J. D. McCain. 2,259,902; Oct. 21.
Soldering iron apparatus. R. D. Hurst. 2,260,030; Oct. 21.
Soldering tools, Method of and means for cleaning and tinning. H. P. Nelson. 2,260,047; Oct. 21.
Soles, Treating unattached. S. G. Ross. 2,259,586; Oct. 21.
Solvent degreaser, Portable. J. F. Black. 2,259,544; Oct. 21.
Sound-picture machine. O. J. McClure. 2,259,651; Oct. 21.
Sound recording device. H. Flood, Jr. 2,259,631; Oct. 21.
Sound reproducing system. B. Olney. 2,259,907; Oct. 21.
Soybean products, Making. N. F. Kruse and W. L. Soldner. 2,260,254; Oct. 21.
Spacer for cartons and the like. E. C. Hollingsworth. 2,260,181; Oct. 21.
Spacing device for coils, Turn. S. A. Platt. 2,260,054; Oct. 21.
Speed indicator. W. H. Harstick. 2,259,887–8; Oct. 21.
Speed transmission, Automatic change. E. R. Burtnett. 2,259,729; Oct. 21.
Speed transmission, Variable. B. H. Locke. 2,259,823; Oct. 21.
Spindle, Air cooled picking. R. G. Turner. 2,259,912; Oct. 21.
Spindle jaw and blank cooling apparatus. E. H. Bennett. 2,259,991; Oct. 21.
Spinning and roving frame. J. H. Armstrong and R. D. Tarr. 2,260,130; Oct. 21.
Splashing in wash type spray booths, Eliminating. H. Erikson. 2,259,626; Oct. 21.
Splint, Adjustable. H. M. Doyle. 2,260,216; Oct. 21.
Split-phase motor. H. E. Ellis. 2,259,972; Oct. 21.
Spoon, Combined measuring and leveling. C. M. Wilson and J. T. Lane. 2,259,504; Oct. 21.
Spring clip connection for spring seat structures. W. H. Neely. 2,260,190; Oct. 21.
Spring mechanism for lead carrier of magazine pencils. H. Maucher. 2,259,649; Oct. 21.
Spring return push door. J. R. Newkirk. 2,259,579; Oct. 21.
Spring spreader. E. M. Pfauser. 2,259,533; Oct. 21.
Stairs, Collapsible. C. C. Severin. 2,259,838; Oct. 21.
Stamper, Package. C. Arelt. 2,259,445; Oct. 21.
Stapling machine, Bag. O. G. Struve. 2,260,267; Oct. 21.
Stationary induction apparatus. H. L. Driftmeyer. 2,260,011; Oct. 21.
Statistical machine, Record card controlled. A. Thomas and N. G. Holden. 2,260,097; Oct. 21.
Stock feeder for hollow spindle machine tools. S. Baxendale. 2,259,605; Oct. 21.
Stroboscopic meter tester. J. P. Cerveny. 2,259,613; Oct. 21.
Suction cleaner. Q. Berg. 2,260,207; Oct. 21.
Suction cleaner. P. T. Hahn. 2,260,222; Oct. 21.
Suction cleaner. D. G. Smellie. 2,260,235–6; Oct. 21.
Suction cleaner. M. D. Stahl. 2,260,237; Oct. 21.
Suction cleaner dust bag opening construction. E. F. Martinet. 2,259,855; Oct. 21.
Sulphonyl cyanamides. G. W. Anderson and R. O. Roblin, Jr. 2,259,721; Oct. 21.
Sulphur and chlorine containing polymers, Preparation of. C. M. Hull. 2,259,695; Oct. 21.
Supervisory system. C. E. Stewart. 2,260,061; Oct. 21.
Support: *See*—
Article support. Light support.
Cathode support.
Supporting arrangement, Flexible. E. H. Hull. 2,260,029; Oct. 21.
Surface polisher. E. Primeaux. 2,259,941; Oct. 21.
Surgical frame for hospital beds. E. E. Longfellow. 2,259,757; Oct. 21.
Switch: *See*—
Electrical switch. Weatherproof switch.
Switch and rheostat, Reversing. H. W. Batcheller. 2,259,792; Oct. 21.
Switching device. P. B. Flanders and C. E. Pollard. 2,259,953; Oct. 21.
Synchronizing mechanism. K. R. Manville. 2,259,527; Oct. 21.
Synthetic antirachitic provitamins and vitamins, Preparation of. N. A. Milas and R. Heggie. 2,260,085; Oct. 21.
Table: *See*—
Hot food storage table.
Tape accumulator. A. Drenkard, Jr. 2,259,517; Oct. 21.
Tarnish resistant silver alloy. J. Spanner. 2,259,668; Oct. 21.
Telegraph repeater. R. B. Hearn. 2,259,637; Oct. 21.
Telegraph repeater, Printing. G. S. Hiltz. 2,259,523; Oct. 21.
Television receiver with automatic shade-level control. H. A. Wheeler. 2,259,538; Oct. 21.
Television receiving apparatus. R. L. Freeman. 2,259,520; Oct. 21.
Television system, Color. A. N. Goldsmith. 2,259,884; Oct. 21.
Temperature responsive element. S. Vernet, J. Kim, and J. L. Leiserson. 2,259,846; Oct. 21.
Tension bar for wire fencing. L. Ford. 2,260,176; Oct. 21.
Testing materials by X-ray. E. Schiebold. 2,259,708; Oct. 21.
Textiles, Treating. R. Wallach. 2,259,847; Oct. 21.
Theater construction. M. E. Lichburg. 2,259,646; Oct. 21.
Thermionic circuits and method. E. R. Jahns. 2,259,471; Oct. 21.
Thread forming apparatus. J. H. Hoern. 2,259,640; Oct. 21.
Three-way chair. G. E. Dannels. 2,259,621; Oct. 21.
Tie plate arrangement for railroads. T. W. Stedman. 2,260,238; Oct. 21.
Tightening device for antiskid chains. W. Delvo. 2,259,926; Oct. 21.
Time recording device, Elapsed. H. Abbott and W. C. Moodie. 2,259,677; Oct. 21.
Timing device for electric circuit operation. G. E. Luce. 2,259,758; Oct. 21.
Time setting mechanism for radio receivers. G. Katz. 2,260,144; Oct. 21.
Tip for vibrating indicators, Visual. R. B. Bourne. 2,260,210; Oct. 21.
Tire, Nonskid. M. C. Overman. 2,260,193; Oct. 21.
Tire-retreading apparatus. F. B. Hewel. 2,259,975; Oct. 21.
Tire signal, Underinflation and overinflation. G. T. Woodruff and I. B. Jones. 2,260,246; Oct. 21.
Tire, Vehicle. A. Bayer and G. A. Manning. 2,260,205; Oct. 21.
Toaster. H. J. Middleton and J. A. Hashek. 2,260,043; Oct. 21.
Tobacco feed for scrap bunch cigar machines. S. Clausen. 2,259,616; Oct. 21.
Toilet seat. A. Schwartz. 2,260,155; Oct. 21.
Tool: *See*—
Broaching tool. Machine tool.
Flywheel rotating tool. Magnetic tool.
Lasting tool. Universal tool.
Tool bar clamp. J. L. Hipple. 2,259,890; Oct. 21.
Toothbrush. D. Aiken. 2,259,981; Oct. 21.
Toothbrush, Fountain. D. B. Eaton. 2,259,928; Oct. 21.
Torsion-resisting rail. G. R. Burkhardt. 2,260,211; Oct. 21.
Toy, Action. H. G. Fisher. 2,260,112; Oct. 21.
Toy, Musical. H. G. Fisher. 2,259,629; Oct. 21.
Toy train actuated circuit controller. M. H. Frisbie. 2,259,851; Oct. 21.
Trackway for toy trains. P. E. E. Coderre. 2,260,003; Oct. 21.
Tractor hitch mechanism. J. B. Kucera. 2,259,753; Oct. 21.
Tractor-semitrailer, combinations, Automatically coupling. M. A. Carmody. 2,259,612; Oct. 21.
Traffic controlling and communicating system for railroads, Centralized. W. D. Hailes and F. W. Brixner. 2,259,562; Oct. 21.
Traffic controlling system for railroads, Centralized. W. D. Hailes and F. W. Brixner. 2,259,561; Oct. 21.
Traffic marker, Removable and replaceable. W. H. Bryson. 2,259,610; Oct. 21.
Traffic separator. H. S. Pardee. 2,260,051; Oct. 21.
Traffic signal. J. H. Parker, Jr. 2,260,231; Oct. 21.

Transmission control. A. C. Vella. 2,259,945; Oct. 21.
Transmission dynamometer. H. P. Kuchni. 2,260,036; Oct. 21.
Transmission for outboard motors. H. H. Blankshain. 2,259,921; Oct. 21.
Transmission mechanism. E. R. Burtnett. 2,259,731; Oct. 21.
Transmission mechanism. E. R. Burtnett. 2,259,733; Oct. 21.
Transmission system embodying loud-speakers. H. C. Curl. 2,260,170; Oct. 21.
Trap: *See*—
Sand trap.
Trenching machine. V. S. Penote and A. R. Askue. 2,259,659; Oct. 21.
Trigger for discharge devices. P. W. Blackburn. 2,259,947; Oct. 21.
Trousers hanger and creaser, Automatic self-adjusting. E. Hegedus. 2,259,692; Oct. 21.
Truck. S. O. Harlan. 2,259,816; Oct. 21.
Truck and trailer control. A. A. Byrne and J. C. Carey. 2,259,923; Oct. 21.
Truck, Railway. W. H. Meyer. 2,259,477; Oct. 21.
Tube: *See*—
Flow tube.
Tube socket, Vacuum. S. M. Del Camp. 2,259,738–9; Oct. 21.
Tuning device for string instruments. F. J. Nickel, Jr. 2,260,049; Oct. 21.
Tuning unit for choke coils. M. J. Brown. 2,260,163; Oct. 21.
Typographical composing and casting machine. R. H. Scott, W. F. Gorse, and A. S. Hayward. 2,259,836; Oct. 21.
Typographical distributing machine. A. J. Stouges and J. H. Hilpman. 2,259,842; Oct. 21.
Universal joint. J. E. Padgett. 2,259,657; Oct. 21.
Universal tool. H. Long. 2,259,899; Oct. 21.
Urea-formaldehyde resinous molding compositions, Preparation of. R. H. Kienle and W. J. Scheiber. 2,260,033; Oct. 21.
Vacuum breaking valve. D. M. Anderson. 2,259,984; Oct. 21.
Vacuum pump control. O. R. Frost. 2,260,113; Oct. 21.
Valve: *See*—
Control valve. Flush valve.
Flush tank valve. Vacuum breaking valve.
Valve. K. Baumann. 2,259,990; Oct. 21.
Valve. M. N. Suvak and M. Dzama. 2,259,592; Oct. 21.
Valve structure. R. M. Lindsay. 2,259,756; Oct. 21.
Valve tappet. V. I. Moncrieff. 2,259,905; Oct. 21.
Van body end closure. A. J. Chenoweth. 2,260,099; Oct. 21.
Variable-speed device, Enclosed. C. E. Johnson and E. Mendenhall. 2,259,567; Oct. 21.
Variable stroke meter. L. E. Rush. 2,259,587; Oct. 21.
Vegetable oil. W. W. Ginn. 2,260,140; Oct. 21.
Vehicle: *See*—
Automobile vehicle. Snow vehicle.
Child's vehicle.
Ventilated fabric, garment, and making the same. A. A. Glidden. 2,259,560; Oct. 21.
Ventilating system. K. D. McMahan. 2,260,042; Oct. 21.
Venting device for seals in liquid-measuring systems. J. W. Beecher. 2,260,135; Oct. 21.
Vessel, Marine. M. de P. de Chimang. 2,260,007; Oct. 21.
Vessel, Navigable. E. Dégallier. 2,259,438; Oct. 21.
Vibration motor. J. A. Hutcheson. 2,259,565; Oct. 21.
Vibratory screen. R. Stroud. 2,259,942; Oct. 21.
Viscosimetric apparatus. Q. Landis. 2,259,525; Oct. 21.
Volume control circuit. H. Rinia. 2,259,860; Oct. 21.
Voting machine. R. F. Shoup. 2,259,590; Oct. 21.
Washing materials, Manufacture of. M. Nassau. 2,260,123; Oct. 21.
Watch for pendants and the like, Rotatable. D. Ornstein. 2,259,580; Oct. 21.
Water, Softening. E. Zentner. 2,259,717; Oct. 21.
Wave detector, Frequency modulated. S. Hunt. 2,259,891; Oct. 21.
Wearing apparel manufacture, Ornamented knitted. U. T. Marr. 2,260,117–8; Oct. 21.
Weatherproof switch. V. R. Despard. 2,259,622; Oct. 21.
Wedge, Expanding. W. Hejduk and F. Ruoff. 2,259,932; Oct. 21.
Weight compounds and their preparation, Oil-soluble high-molecular. H. W. Huijser and C. N. J. de Nooijer. 2,259,934; Oct. 21.
Welding apparatus. C. D. Howard. 2,259,976; Oct. 21.
Welding apparatus. M. A. Mikesh. 2,260,260; Oct. 21.
Welding machine, Duplex can body. A. Weisenburg. 2,259,914; Oct. 21.
Wheel: *See*—
Abrasive wheel. Rasp wheel.
Free wheeling dual wheel. Roller chain sprocket wheel.
Wheel and plate structure. E. H. Piron. 2,259,776; Oct. 21.
Wheel for dyeing machines, Adjustable paddle. W. H. Jefferies. 2,260,075; Oct. 21.
Wind velocity indicator. R. R. Chappell and R. B. Colt. 2,259,615; Oct. 21.
Window apparatus, Electrical motor driven. F. H. Walker and D. L. Chandler. 2,260,067; Oct. 21.
Window, Casement. O. L. Dautrick. 2,260,171; Oct. 21.
Window construction, Double. C. S. Henderson. 2,260,104; Oct. 21.
Window, Institutional communication. T. J. Kelley, Jr. 2,259,751; Oct. 21.
Window operator. U. J. Fregeau. 2,259,811; Oct. 21.
Window sash operating mechanism. R. E. Elvers. 2,260,013; Oct. 21.
Window, Variable density. M. Grabau. 2,260,220; Oct. 21.
Window, Ventilating. A. P. Ball. 2,260,133; Oct. 21.
Windshield heater. T. Briskin. 2,259,550; Oct. 21.
Windshield wiper. J. C. Auten. 2,259,790; Oct. 21.
Wire terminal. R. F. Gates. 2,260,219; Oct. 21.
Wiring device. J. B. Miller. 2,260,121; Oct. 21.
Workman's protective hood. W. S. Caudell. 2,259,680; Oct. 21.
Wrapper, Coin. J. S. Millard. 2,260,150; Oct. 21.
Wringer. J. S. Visscher. 2,260,065; Oct. 21.
Writing implement and calendar. K. T. Postel. 2,260,090; Oct. 21.
Writing machine. V. J. Phillips. 2,260,232; Oct. 21.
Yarn comprising a blend of relatively long fibers and relatively short fibers, Spinning single ply. F. E. Nutter and E. I. Spence. 2,260,229; Oct. 21.

CLASSIFICATION OF PATENTS

ISSUED OCTOBER 21, 1941

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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	397.1:	2,260,184		124:	2,260,102						
	397.5:	2,259,698		166:	2,259,538						
	397.7:	2,259,721	282—	1:	2,259,795						
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	683:	2,259,630		347:	2,260,125						
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	25:	2,260,036	299—107.2:		2,260,077						
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		2,259,956	308—	36.1:	2,259,648						
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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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U. S. GOVERNMENT PRINTING OFFICE: 1941

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Allied Stores Corporation, Wilmington, Del., doing business as the Bon Marche, Seattle, Wash. Hosiery. Serial No. 446,682; Oct. 28. Class 39.

Amalgamated Textiles Limited, New York, N. Y. Woolen and worsted textile piece goods. Serial No. 444,555; Oct. 28. Class 42.

Amalgamated Textiles Limited, New York, N. Y. Woolen and worsted textile piece goods. Serial No. 444,557; Oct. 28. Class 42.

Amasia Importing Corporation, New York, N. Y. Panties, girdles, corsets, corselets, and foundations. Serial No. 445,972; Oct. 28. Class 39.

American Advertising & Research Corp., Chicago, Ill. Cameras. Serial No. 446,716; Oct. 28. Class 26.

American Seitz Filter Corporation, Paterson, N. J. Filtering apparatus. Serial No. 447,054; Oct. 28. Class 31.

Arrow Distilleries, Inc., Detroit, Mich. Liqueurs. Serial No. 446,717; Oct. 28. Class 49.

Arrow Distilleries, Inc., Detroit, Mich. Liqueurs. Serial No. 446,719; Oct. 28. Class 49.

Aske, Charles B., Jr., Detroit, Mich. White side wall tire simulating rings. Serial No. 445,313; Oct. 28. Class 19.

Austin, Nichols & Co., Inc., Brooklyn, N. Y. Brandy. Serial No. 446,686; Oct. 28. Class 49.

Bates, Hamilton C., doing business as C. J. Bates & Son, Chester, Conn. Manicure sets. Serial No. 446,772; Oct. 28. Class 44.

Beasley, Virgil E., doing business as Novadane Chemical Company, San Antonio, Tex. Treatment for loose dandruff. Serial No. 444,373; Oct. 28. Class 6.

Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa. Brake valves for automotive air brakes. Serial No. 434,894; Oct. 28. Class 13.

Bishop, John W., Company, doing business as Bishop's Flour Mills, Martinsburg, W. Va. Blended all-purpose wheat flour. Serial No. 440,186; Oct. 28. Class 46.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece composed of alpaca and cotton. Serial Nos. 445,875–6; Oct. 28. Class 42.

Bon Marche, The. (See Allied Stores Corporation.)

Bragg, Paul C., doing business as Live Food Products Co., Burbank, Calif. Food beverage containing powdered whey and dried banana. Serial No. 446,858; Oct. 28. Class 46.

Brandt, A., Upholstering Company, Inc., Fort Worth, Tex. Tables, sofas, studio couches, chairs, etc. Serial No. 443,393; Oct. 28. Class 32.

Browing King & Co., of New York, Inc., New York, N. Y. Men's and boys' suits, overcoats, topcoats, outer shirts, neckties, etc. Serial No. 444,395; Oct. 28. Class 39.

Burgess Battery Company, Chicago, Ill. Flashlights and flashlight cases. Serial No. 446,514; Oct. 28. Class 21.

California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Parasiticides. Serial No. 446,987; Oct. 28. Class 6.

Casey, John A., Company, Inc., New York, N. Y. Oils and greases for fuel and lubrication. Serial No. 444,490; Oct. 28. Class 15.

Catskill Metal Works, Inc., Catskill, N. Y. Stokers. Serial Nos. 446,071–2; Oct. 28. Class 34.

Central Station Signals, Inc., New York, N. Y. Thermostats for automatic fire alarm signaling systems. Serial No. 443,652; Oct. 28. Class 26.

Cerveceria Nacional Dominicana C. Por A., Santa Domingo, Dominican Republic. Beer. Serial No. 445,836; Oct. 28. Class 49.

Cheatham Chemical Company, Atlanta, Ga. Cold cream, vanishing cream, skin lotion, etc. Serial Nos. 446,096–7; Oct. 28. Class 6.

Chemical & Pigment Company, The. (See Glidden Company, The, assignor.)

Chief Weavers, Inc., Albuquerque, N. Mex. Hand-woven neckties. Serial No. 435,081; Oct. 28. Class 39.

Cohen & Wilks, Limited, Manchester, England. Woolen piece goods. Serial No. 440,154; Oct. 28. Class 42.

Compton, F. E. & Company, Chicago, Ill. Completely printed books. Serial No. 434,270; Oct. 28. Class 38.

Crown Fastener Corporation, Warren, R. I. Separable slide fasteners. Serial No. 446,487; Oct. 28. Class 13.

Crown Luggage Co., Baltimore, Md. Luggage—namely, wardrobes, fitted cases, hat boxes, etc. Serial No. 435,417; Oct. 28. Class 3.

Dacy, Joe., Austin, Tex. Boots, shoes, and slippers made of leather and fabrics. Serial No. 445,977; Oct. 28. Class 39.

Delatour, Bastiere, doing business as B. Delatour & Cie., Bordeaux, France, and Ponce, P. R. Distilled alcoholic brandy. Serial No. 445,572; Oct. 28. Class 49.

Dexter Company, The, Fairfield, Iowa. Laundry washing machines. Serial No. 445,007; Oct. 28. Class 24.

Dixon, Dr. Edwin H., New York, N. Y. Tooth and mouth wash. Serial No. 446,618; Oct. 28. Class 6.

Drayton, Roy O., Sacramento, Calif. Combination nursing bottle holder and teething ring, etc. Serial No. 442,354; Oct. 28. Class 44.

Dresser Manufacturing Company, Bradford, Pa. Unthreaded bell and spigot cast iron pipe joints. Serial No. 445,353; Oct. 28. Class 13.

Dumari Textile Co., Inc., New York, N. Y. Rayon fabric in the piece. Serial No. 444,932; Oct. 28. Class 42.

Duplex Fabrics Corp., New York, N. Y. Rayon and acetate piece goods. Serial No. 444,823; Oct. 28. Class 42.

E. A. Laboratories, Inc., Brooklyn, N. Y. Electric horns and lamps for use on vehicles, bicycles, and trucks. Serial Nos. 446,540–1; Oct. 28. Class 21.

Eagle Electric Mfg. Co., Inc., Brooklyn, N. Y. Electric lamps and lighting fixtures. Serial No. 439,774; Oct. 28. Class 21.

Edison, Thomas A., Incorporated, West Orange, N. J. Gas absorbing material. Serial No. 444,989; Oct. 28. Class 6.

Edison, Thomas A., Incorporated, West Orange, N. J. Gases designed primarily for use by anesthetists, physicians, and dentists. Serial No. 444,992; Oct. 28. Class 6.

Electro Metallurgical Company, New York, N. Y. Ferrous metal alloys. Serial No. 446,047; Oct. 28. Class 14.

Ellis, A. D., Mills Incorporated, Monson, Mass. Green billiard table cloth. Serial No. 446,231; Oct. 28. Class 42.

Endurance Metal Corporation, Everett, Wash. Bearing metal. Serial No. 443,074; Oct. 28. Class 14.

Fant Milling Company, Sherman, Tex. Cream meal, wheat flour and baking powder. Serial No. 446,958; Oct. 28. Class 46.

Fashion Neckwear Company. (See Udelson, Edward.)

Fay Carpet Co., Inc., New York, N. Y. Carpets and rugs. Serial No. 446,569; Oct. 28. Class 42.

Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. Serial No. 446,270; Oct. 28. Class 42.

Fried. Krupp Aktiengesellschaft, Essen, Germany. Solders, non-ferrous metals, non-ferrous metal alloys, etc. Serial No. 438,306; Oct. 28. Class 14.

General Aniline & Film Corporation, New York, N. Y. Photographic goods, particularly cameras. Serial No. 446,542; Oct. 28. Class 26.

Glidden Company, The, Cleveland, Ohio, doing business as The Chemical & Pigment Company, Collinsville, Ill., Oakland, Calif., and St. Helena, Baltimore, Md. Barium sulphate extended lithopone. Serial No. 446,108; Oct. 28. Class 16.

Grant, Foster, Co. Inc., Leominster, Mass. Composition in powder or flake form for the manufacture of flexible plastic articles by injection molding. Serial No. 436,886; Oct. 28. Class 1.

Great Atlantic & Pacific Tea Company, The, New York, N. Y. Bacon. Serial No. 444,219; Oct. 28. Class 46.

Guth, Edwin F., Company, St. Louis, Mo. Electric lighting equipment and more particularly light fixtures. Serial No. 445,267; Oct. 28. Class 21.

Guth, Edwin F., Company, St. Louis, Mo. Electric lighting equipment and more particularly light fixtures. Serial Nos. 445,418–20; Oct. 28. Class 21.

Holton, Paul E., doing business as Holton Laboratories, Detroit, Mich. Wheat germ. Serial No. 446,838; Oct. 28. Class 46.

Hudson, J. L., Company, The, Detroit, Mich. Women's shoes made of leather, fabric, and combinations thereof. Serial No. 446,199; Oct. 28. Class 39.

International Milling Company, Minneapolis, Minn. Wheat flour. Serial No. 445,811; Oct. 28. Class 46.

Interwoven Stocking Company, New Brunswick, N. J. Hosiery. Serial No. 445,202; Oct. 28. Class 39.

Jabel Ring Manufacturing Co., Newark, N. J. Jewelry made of precious metal or plated with precious metal—namely, wedding rings, pendants, and brooches. Serial No. 445,357; Oct. 28. Class 28.

Jaxton Clothes Company, Inc., New York, N. Y. Men's and students' suits and coats, suit and slack ensembles, sport coats and slacks. Serial No. 446,628; Oct. 28. Class 39.

Johnson, J. Oliver, Seed Company, Chicago, Ill. Lawn grass seed. Serial No. 446,051; Oct. 28. Class 1.

Kempe, Irene, doing business as Kempe Mfg. Co., Jamaica, N. Y. Ski wax kit. Serial No. 440,204; Oct. 28. Class 16.

Knomark Mfg. Co., Inc., Brooklyn, N. Y. Dressing, cleanser, and polish for slippers, shoes, and other leather trimmed apparel. Serial No. 445,849; Oct. 28. Class 4.

Kold Kist, Inc., Los Angeles, Calif. Frozen fresh cooked meats, including beef stew, lamb stew, Swiss style steak, etc. Serial No. 428,078; Oct. 28. Class 46.

Langendorf United Bakeries, Inc., San Francisco, Calif. Bread. Serial No. 446,325; Oct. 28. Class 46.

Linton Pencil Company, Lewisburg, Tenn. Mechanical pencils, lead, wood case pencils, fountain pencils, and pen staffs. Serial No. 445,742; Oct. 28. Class 37.
Live Food Products Co. (See Bragg, Paul C.)
Lloyds, Stuart, Ltd., Philadelphia, Pa., and St. Thomas, Virgin Islands. Rum. Serial No. 446,601; Oct. 28. Class 49.
Lodi Winery, Inc., Lodi, Calif. Wines. Serial No. 445,850; Oct. 28. Class 47.
Mail-Well Envelope Company, Portland, Oreg. Envelopes. Serial No. 445,663; Oct. 28. Class 37.
Majestic Manufacturing Co., St. Louis, Mo. Coal, oil, and gas ranges, stoves, heaters, grills, ovens, etc. Serial Nos. 442,908–9; Oct. 28. Class 34.
Marvlo Mills, Inc., New York, N. Y. Piece goods of cotton, linen, artificial and natural silk goods, etc. Serial No. 446,503; Oct. 28. Class 42.
Mayer, Oscar, & Company, Inc., Chicago, Ill. Meat products—namely, wieners in containers. Serial No. 443,201; Oct. 28. Class 46.
McKesson & Robbins, Inc., New York, N. Y. Vitamin products and particularly a product comprising concentrates of vitamins B_1, G, B_6, and other filtrates and factors of vitamin B complex. Serial No. 446,366; Oct. 28. Class 6.
McKesson & Robbins, Inc., Estate of. (See Wardall, William J., trustee.)
Meyer, Joseph H., Bros., Brooklyn, N. Y. Necklaces, bracelets, finger rings, etc. Serial No. 442,240; Oct. 28. Class 28.
Model Shoe Company, The, Cincinnati, Ohio. Shoes made of leather, fabric, or rubber, or a combination of said materials. Serial No. 443,696; Oct. 28. Class 39.
National Powder Extinguishing Corporation, Jersey City, N. J. Portable hand fire extinguishing apparatus. Serial No. 444,274; Oct. 28. Class 23.
Novadane Chemical Company. (See Beasley, Virgil E.)
Pickard, Ben, Chicago, Ill. Permanent wave pads. Serial No. 447,176; Oct. 28. Class 44.
Ralsen Press, Inc., New York, N. Y. Photographic display folders. Serial No. 445,826; Oct. 28. Class 37.
Richard Best Pencil Company, Inc., Irvington, N. J. Wood-encased lead pencils. Serial No. 445,624; Oct. 28. Class 37.
Royal Typewriter Company, Inc., New York, N. Y. Inking ribbons and carbon paper. Serial No. 446,532; Oct. 28. Class 11.
Rumboll, Ernest A., Buenos Aires, Argentina. Badges of fabric or base metal and flags. Serial No. 441,061; Oct. 28. Class 50.
Sandoz Chemical Works, Inc., New York, N. Y. Chemical substance as wetting out, softening, emulsifying, and other agents. Serial No. 439,950; Oct. 28. Class 6.
Santa Clara Frosted Foods Co., Santa Clara, Calif. Frozen fruits, frozen vegetables. Serial No. 444,980; Oct. 28. Class 46.
Schonbrunn, S. A., & Co., Inc., New York, N. Y. Coffee. Serial No. 436,662; Oct. 28. Class 46.
Schuckl & Co., Inc., doing business as Sunnyvale Packing Co., San Francisco, Calif. Canned fruits and vegetables. Serial No. 445,159; Oct. 28. Class 46.
Schurman, I. L., Chicago, Ill. Fuel and heating oils. Serial No. 446,146; Oct. 28. Class 15.
Security Manufacturing Company, Kansas City, Mo. Gas hot water heaters. Serial No. 446,220; Oct. 28. Class 34.
Shipman & Baker, Inc., New York, N. Y. Women's coats, suits, and skirts. Serial No. 446,668; Oct. 28. Class 39.
Small, Mary M., Pasadena, Calif. Chaplets consisting of fresh flowers fastened to a bandeau. Serial No. 444,281; Oct. 28. Class 1.
Solomon, Morton M., doing business as Tufts Mattress Company, Somerville, Mass. Mattresses, box springs, studio couches, and sofa beds. Serial No. 442,741; Oct. 28. Class 32.
Standard Garment Co. Inc., New York, N. Y. Ladies', misses', and girls' dresses, outer skirts, blouses, etc. Serial No. 446,149; Oct. 28. Class 39.
Stanford Fruit Growers, Inc., Lake Alfred, Fla. Fresh citrus fruits—namely, oranges, grapefruit, tangerines, etc. Serial No. 446,067; Oct. 28. Class 46.
Steem-Electric Corporation, St. Louis, Mo. Electric steaming irons. Serial Nos. 446,068–9; Oct. 28. Class 21.
Strand Leather Goods Co., Inc., New York, N. Y. Handbags. Serial No. 447,082; Oct. 28. Class 3.
Sucro-Blanc, Inc., New York, N. Y. Bauxite. Serial No. 441,065; Oct. 28. Class 1.
Sunnyvale Packing Co. (See Schuckl & Co.)
Sutton, Leon A., New York, N. Y. Slide fasteners. Serial No. 446,151; Oct. 28. Class 13.
Timely Sportswear Co., New York, N. Y. Men's, women's, boys', and girls' vests. Serial No. 446,376; Oct. 28. Class 39.
Topsail Lubricants, Inc., Tonawanda and North Tonowanda, N. Y. Motor and industrial lubricating oils and greases. Serial No. 445,216; Oct. 28. Class 15.
Transcontinental Rubber Corporation, New York, N. Y. Rubbers. Serial No. 445,538; Oct. 28. Class 39.
Tremco Manufacturing Company, The, Cleveland, Ohio. Paints of a very heavy consistency for interior use. Serial No. 446,675; Oct. 28. Class 16.
Tryon, Edw. K., Company, Philadelphia, Pa. Fishing lines. Serial No. 447,217; Oct. 28. Class 22.
Tufts Mattress Company. (See Solomon, Morton M.)
Udelson, Edward, doing business as Fashion Neckwear Company, Boston, Mass. Men's and boys' neckties. Serial No. 446,091; Oct. 28. Class 39.
United Feature Syndicate, Inc., New York, N. Y. Comic publication appearing monthly. Serial No. 444,744; Oct. 28. Class 38.
United Paper Company, Inc., Richmond, Va. Wrapping paper, toilet paper, towels, tissue, and adhesive paper tape. Serial No. 443,469; Oct. 28. Class 37.
United States Finishing Company, The, Norwich, Conn. Textile fabrics of cotton, linen, rayon, acetate, wool, etc. Serial Nos. 446,252–3; Oct. 28. Class 42.
United States Rubber Company, New York, N. Y. Electrical cables. Serial No. 446,767; Oct. 28. Class 21.
United States Rubber Company, New York, N. Y. Latex compositions used in depositing individual minute rubber particles in fabrics. Serial No. 443,788; Oct. 28. Class 1.
Velvery Corporation, New York, N. Y. Silk, rayon, and cotton piece goods. Serial No. 445,830; Oct. 28. Class 42.
Verney Mills, Inc., Manchester, N. H. Rayon piece goods. Serial No. 446,254; Oct. 28. Class 42.
Wardall, William J., trustee for the Estate of McKesson & Robbins, Inc., debtor, New York, N. Y. Cologne, perfume, face powder, and dusting powder. Serial No. 444,884; Oct. 28. Class 6.
Well, Lewis P., Germantown, Philadelphia, Pa. Ornaments in the nature of scales of justice, place card holders, flower holders, etc. Serial No. 418,321; Oct. 28. Class 50.
Wilson, Thad, Gary, Ind. Chicken, fried and cooked, and meals or luncheons including prepared chicken. Serial No. 445,184; Oct. 28. Class 46.

LIST OF REGISTRANTS OF TRADE-MARKS

AMP Corporation, St. Louis, Mo. Unitary combination of container, cooler, and dispenser for handling soft drinks and their ingredients. 391,200; Oct. 28; Serial No. 442,771; published Aug. 19, 1941. Class 23.
Abbott Laboratories, North Chicago, Ill. Ointment base. 391,315; Oct. 28; Serial No. 445,190; published Aug. 19, 1941. Class 6.
Abbott Laboratories, North Chicago, Ill. Injectable solution of vitamin B complex components. 391,316; Oct. 28; Serial No. 445,188; published Aug. 19, 1941. Class 6.
Acala Fabrics Company. (See Callen, Harold W., assignor.)
Acala Fabrics Company, San Francisco, Calif. Outer shirts. 391,159; Oct. 28; Serial No. 439,740; published Apr. 8, 1941. Class 39.
Alba Pharmaceutical Company, Inc., New York, N. Y. Compound vitamin preparation. 391,223; Oct. 28; Serial No. 443,906; published Aug. 5, 1941. Class 6.
American Bleached Goods Company, Inc., New York, N. Y. Cotton goods in the piece. 391,233; Oct. 28; Serial No. 444,393; published Aug. 12, 1941. Class 42.
American Lead Pencil Company, Hoboken, N. J. Lead pencils. 391,281; Oct. 28; Serial No. 444,132; published Aug. 19, 1941. Class 37.
American Newspapers, Inc. (See Star Company.)
American Window Glass Company, Pittsburgh, Pa. Laminated glass. 391,160; Oct. 28; Serial No. 440,307; published Aug. 19, 1941. Class 33.
Ames, Walter W., South Orange, N. J. Medicinal ointment for treatment of irritations and other derangements of the skin. 391,346; Oct. 28. Class 6.
Angevine, Walter K., Washington, D. C. Insecticide specially processed to allay irritation in the treatment of pediculosis, scabies, etc. 391,218; Oct. 28; Serial No. 443,331; published Aug. 12, 1941. Class 6.
Arden, Elizabeth, Sales Corporation, New York, N. Y. Perfumes. 391,261; Oct. 28; Serial No. 444,786; published Aug. 5, 1941. Class 6.
Arden, Elizabeth, Sales Corporation, New York, N. Y. Perfumes and toilet waters. 391,307; Oct. 28; Serial No. 444,319; published Aug. 19, 1941. Class 6.
Armstrong Cork Company, Lancaster, Pa. Cork roll covers for textile mill usage. 391,300; Oct. 28; Serial No. 444,247; published Aug. 19, 1941. Class 23.
Associated Oil Company, assignor to Tide Water Associated Oil Company, San Francisco, Calif. Lubricating oils and greases. 152,670; renewed Mar. 7, 1942.
Athenson & Passin, Inc., New York, N. Y. Fur coats. 391,287; Oct. 28; Serial No. 444,171; published Aug. 12, 1941. Class 39.

Atlas Powder Company, Wilmington, Del. Coated fabrics. 391,187–9; Oct. 28; Serial Nos. 443,623–5; published Aug. 19, 1941. Class 50.
Atlas Powder Company, Wilmington, Del. Emulsifying, wetting, and dispersing agents. 391,244; Oct. 28; Serial No. 444,591; published Aug. 12, 1941. Class 6.
Audrey, Gilda, Products, Inc., New York, N. Y. Hair lotions. 391,312; Oct. 28; Serial No. 445,092; published Aug. 19, 1941. Class 6.
Badger Paper Mills, Inc., Peshtigo, Wis. Paper. 391,193; Oct. 28; Serial No. 443,709; published Aug. 12, 1941. Class 37.
Baker Clothes, Inc., Philadelphia, Pa. Suits, coats, vests, etc. 391,137; Oct. 28; Serial No. 420,840; published Sept. 5, 1939. Class 39.
Barlow-Moore Tobacco Company, Glasgow, assignor to Brown & Williamson Tobacco Corporation, Louisville, Ky. Twist, plug, and smoking tobacco. 153,114; renewed Mar. 14, 1942.
Bates-Thompson, Inc., New York, N. Y. Men's felt hats. 391,321; Oct. 28. Class 39.
Bauer Type Foundry, Inc., The, New York, N. Y. Printing type fonts. 391,138; Oct. 28; Serial No. 426,117; published Aug. 19, 1941. Class 14.
Becker, John A., doing business as Gumputtie Laboratories, Chicago, Ill. Plastic compound. 391,294; Oct. 28; Serial No. 444,212; published Aug. 12, 1941. Class 12.
Beldoch-Popper Inc., New York, N. Y. Sweaters and sweater ensemble. 391,194; Oct. 28; Serial No. 443,743; published Aug. 12, 1941. Class 39.
Belle Knitting Corp., assignor to S. H. Kress and Company, New York, N. Y. Ladies' and children's underwear, slips, pajamas, and nightgowns. 391,319; Oct. 28. Class 39.
Benjamin Electric Mfg. Company, Des Plaines, Ill. Electric lighting fixtures. 391,221; Oct. 28; Serial No. 443,872; published Aug. 19, 1941. Class 21.
Berger, Harry, assignor to Kaylon Inc., New York, N. Y. Men's and boys' shirts—namely, dress, negligee, and work shirts. 144,698; renewed July 19, 1941.
Best Made Silk Hosiery Co., Quakertown, Pa. Hosiery. 391,280; Oct. 28; Serial No. 444,115; published Aug. 12, 1941. Class 39.
Better Products Company. (See Brewer, Raymond.)
Billups Petroleum Company, Greenwood, Jackson, Clarksdale, Indianola, Belzoni, Columbus, Columbia, Gulfport, Itta Bena, Natchez, Durant, Miss.; and Lake Charles, New Iberia, New Orleans, Jennings, Opelousas, Eunice, Franklin, Alexandria, Amite, Hammond, La.; and Memphis, Tenn. Fuel oil, gasoline oil, gasoline, etc. 391,180; Oct. 28; Serial No. 443,451; published Aug. 12, 1941. Class 15.
Bloomingdale Bros., Inc., New York, N. Y. Tissue paper and writing paper and envelopes. 391,206; Oct. 28; Serial No. 443,245; published Aug. 12, 1941. Class 37.
Bloomingdale Bros., Inc., New York, N. Y. Suits made of wool fabrics for men, women, and children. 391,327; Oct. 28. Class 39.
Bonne Bell, Inc., Lakewood, Ohio. Astringent, skin lotion, foundation lotion, etc. 391,176; Oct. 28; Serial No. 443,354; published July 22, 1941. Class 6.
Boyce, Henrietta E., Glen Rock, N. J. Skin creams, hand creams, cleansing creams, face powders, etc. 391,152; Oct. 28; Serial No. 436,756; published Aug. 5, 1941. Class 6.
Bradley, Milton, Company, Springfield, Mass. Board game. 391,314; Oct. 28; Serial No. 445,168; published Aug. 19, 1941. Class 22.
Brewer, Raymond, doing business as Better Products Company, Marion, Ind. Electric fuses for buildings and vehicles. 391,332; Oct. 28. Class 21.
Brook's, Dr. Daniel, Three Daughters. (See Coryell, Earl.)
Brown & Williamson Tobacco Corporation. (See Barlow-Moore Tobacco Company, assignor.)
Burnett's Incorporated, Newark, N. J. Grit, gravel, oyster shell, etc. 391,198; Oct. 28; Serial No. 442,688; published Aug. 12, 1941. Class 1.
California Paint Company, Oakland, assignor to General Paint Corporation, San Francisco, Calif. Mixed and dry paint, stains, varnishes, paint enamels, colors in oil, in japan, etc. 149,862–3; renewed Dec. 27, 1941.
California Paint Company, Oakland, assignor to General Paint Corporation, San Francisco, Calif. Certain named paints, varnishes, and colors. 150,277; renewed Jan. 3, 1942.
California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Parasecticides, insecticides, animal poisons, and animal repellents. 391,174; Oct. 28; Serial No. 442,408; published Aug. 12, 1941. Class 6.
Callen, Harold W., Nutley, N. J., and New York, N. Y., assignor to Acala Fabrics Company, San Francisco, Calif. Shirts, pajamas, underwear, etc. 391,153; Oct. 28; Serial No. 437,713; published Jan. 21, 1941. Class 39.
Calumet Wire Co., Chicago, Ill. Box stitching wire. 391,340; Oct. 28. Class 14.
Campbell Soup Company, Camden, N. J. Spaghetti in hermetically closed containers. 391,239; Oct. 28; Serial No. 444,522; published Aug. 19, 1941. Class 46.
Carter, William, Company, The, Needham Heights, Mass. Infant's bedding. 391,179; Oct. 28; Serial No. 443,399; published Aug. 12, 1941. Class 42.
Cartier, Inc., New York, N. Y. Watches and clocks. 151,443; renewed Feb. 7, 1942.
Central Paper Company, Incorporated, Muskegon, Mich. Paper and paper products. 391,209; Oct. 28; Serial No. 443,283; published Aug. 19, 1941. Class 37.
Champion Animal Food Company, Minneapolis, Minn. Dog food. 391,326; Oct. 28. Class 46.
Clearfield Taxidermy Company, Clearfield, Pa. Wearing apparel. 391,196; Oct. 28; Serial No. 442,444; published Aug. 19, 1941. Class 39.
Club Aluminum Products Co., Chicago, Ill. Soap impregnated metallic wool pads. 391,270; Oct. 28; Serial No. 444,896; published Aug. 19, 1941. Class 4.
Cohoes Envelope Co. Inc., Cohoes and New York, N. Y. Envelopes. 391,304; Oct. 28; Serial No. 444,298; published Aug. 19, 1941. Class 37.
Cole Chemical Company, Wilmington, Del. and St. Louis, Mo. Pharmaceutical preparation for occasional constipation. 391,311; Oct. 28; Serial No. 445,084; published Aug. 19, 1941. Class 6.
Columbian Carbon Company, New York, N. Y. Particulate carbon. 391,235; Oct. 28; Serial No. 444,439; published Aug. 5, 1941. Class 6.
Columbian Carbon Company, New York, N. Y. Particulate carbon used in the industrial arts. 391,266; Oct. 28; Serial No. 444,820; published Aug. 19, 1941. Class 6.
Cooley, Ralph C., Houston, Tex. Illuminating and transilluminating combination tongue depressors and cheek retractors. 391,322; Oct. 28. Class 44.
Cooper & Cooper Inc., Brooklyn, N. Y. Razor blades. 391,157; Oct. 28; Serial No. 439,223; published Aug. 19, 1941. Class 23.
Coryell, Earl, doing business as "Dr. Daniel Brook's Three Daughters," Lincoln, Nebr. Body deodorant. 391,181; Oct. 28; Serial No. 443,455; published Aug. 5, 1941. Class 6.
Cottle-Wilson Laboratories. (See Wilson, Caliste V.)
Covel, Tru Allen, Sunnylands, Paget East, Bermuda. Lily bulbs and lily buds. 391,279; Oct. 28; Serial No. 444,071; published Aug. 12, 1941. Class 1.
Crown Zellerbach Corporation, also doing business as Crown Willamette Paper Co., San Francisco, Calif. Wrapping paper. 391,182; Oct. 28; Serial No. 443,479; published Aug. 19, 1941. Class 37.
Dahl, H. Geo., Oakland, Calif. Hand soap. 150,320; renewed Jan. 3, 1942.
Dash, Incorporated, New York, N. Y. Printing machines. 391,262; Oct. 28; Serial No. 444,791; published Aug. 19, 1941. Class 23.
De Paris, Gaston, Inc., New York, N. Y. Perfumes and toilet water. 391,236; Oct. 28; Serial No. 444,446; published Aug. 19, 1941. Class 6.
Douglas, Mary, Inc., New York, N. Y. Sachets and flower packs. 391,163; Oct. 28; Serial No. 440,461; published Aug. 12, 1941. Class 6.
Du Pont, E. I., de Nemours and Company, Wilmington, Del. Dyestuffs. 148,819; renewed Nov. 29, 1941.
Eaton Products. (See Jacobs, Melvin H.)
Evans, John R., & Company, Camden, N. J. Kid leathers. 391,330; Oct. 28. Class 1.
Everett, Silas K., New York, N. Y. Piece goods made of rayon and other synthetic fibers. 391,249; Oct. 28; Serial No. 444,639; published Aug. 12, 1941. Class 42.
Fabrique d'Horlogerie Electa Gallet & Co. S. A., assignor to Gallet et Co., La Chaux de Fonds, Switzerland. Watches and their parts. 147,600; renewed Oct. 25, 1941.
Feustel, Ernest A., Incorporated, Hasbrouck Heights, N. J. Yarn carriers and yarn carrier tubes and fingers for knitting machines. 391,257; Oct. 28; Serial No. 444,734; published Aug. 19, 1941. Class 23.
Fleetfoot Company, The, Chicago, Ill. Foot powders. 391,148; Oct. 28; Serial No. 434,362; published Oct. 15, 1940. Class 6.
Flood, Daniel A., assignor to Jean German and Myrtle F. Mitchell, successor, Okmulgee, Okla. Ointment having medicinal properties. 150,361; renewed Jan. 3, 1942.
Floridin Company, Warren, Pa. Adsorbent magnesium silicate. 391,282; Oct. 28; Serial No. 444,145; published Aug. 5, 1941. Class 6.
Gallet et Co. (See Fabrique d'Horlogerie Electa Gallet & Co. S. A., assignor.)
General Cable Corporation. (See Phillips Insulated Wire Co.)
General Paint Corporation. (See California Paint Company, assignor.)
German, Jean, et al. (See Flood, Daniel A.)
General Mills, Inc., Minneapolis, Minn. Fortified wheat germ oil. 391,308–9; Oct. 28; Serial Nos. 444,335–6; published Aug. 19, 1941. Class 6.
General Motors Corporation, Detroit, Mich. Automobiles and structural parts thereof. 391,166; Oct. 28; Serial No. 441,242; published Aug. 19, 1941. Class 19.
Gillette Safety Razor Company, Boston, Mass. Safety razor blades. 391,224; Oct. 28; Serial No. 443,930; published Aug. 19, 1941. Class 23.
Gladstone, Harry, New York, N. Y. Ladies' dresses. 391,347; Oct. 28. Class 39.
Glemby Company, The. (See Samstag & Hilder Bros., assignors.)
Goldfarb, Samuel J., New York, N. Y. Ladies' dresses and housecoats. 391,216; Oct. 28; Serial No. 443,810; published Aug. 12, 1941. Class 39.
Goldfarb, Samuel J., New York, N. Y. Ladies' dresses and aprons. 391,349; Oct. 28. Class 39.

Grand Bahama Packing Company, Limited, Nassau, N. P., Bahama Islands. Canned lobster. 391,210; Oct. 28; Serial No. 443,290; published Aug. 19, 1941. Class 46.
Grant, Gerald M. M., Los Angeles, Calif. Piston rings. 391,313; Oct. 28; Serial No. 445,153; published Aug. 19, 1941. Class 35.
Greenholtz, Benjamin, New York, N. Y. Women's coats. 391,240; Oct. 28; Serial No. 444,534; published Aug. 19, 1941. Class 39.
Green-Way Mfg. Co., Dallas, Tex. Children's slacks, slack suits, gowns, robes, and pajamas, etc. 391,339; Oct. 28. Class 39.
Grove, M. J., Lime Company of Frederick County, The, Lime Kiln, Md. Masonry mortar. 391,288; Oct. 28; Serial No. 444,181; published Aug. 12, 1941. Class 12.
Gumputtie Laboratories. (See Becker, John A.)
Hackman, Jack, doing business as National Cleaning Products Company, Columbus, Ohio. Powder for use as a washing preparation. 391,295; Oct. 28; Serial No. 444,220; published Aug. 19, 1941. Class 4.
Hanna Furnace Corporation, The, Buffalo, N. Y. Pig iron. 391,237; Oct. 28; Serial No. 444,498; published Aug. 19, 1941. Class 14.
Harvel Corporation, The, Irvington, N. J. Raw or partially prepared materials from cashew nut shell liquid. 391,140; Oct. 28; Serial No. 430,276; published Aug. 12, 1941. Class 1.
Hasse, Dora H., Cleveland, Ohio. Mop protective covering. 391,320; Oct. 28. Class 50.
Herman, Louis, & Company, New York, N. Y. Rayon and silk underwear. 391,204; Oct. 28; Serial No. 443,191; published Aug. 19, 1941.
Heyden Chemical Corporation, New York, N. Y. Dipentaerythritol. 391,289; Oct. 28; Serial No. 444,183; published Aug. 19, 1941. Class 6.
Heyden Chemical Corporation, New York, N. Y. Pentaerythritol. 391,290; Oct. 28; Serial No. 444,184; published Aug. 19, 1941. Class 6.
Hickey Freeman Company, Rochester, N. Y. Men's suits, topcoats, and overcoats. 391,329; Oct. 28. Class 39.
Hill's Laboratories. (See Mills, Lyle Wayne.)
Hood Rubber Company, Inc., Wilmington, Del., and Watertown, Mass. Treated woven or knitted fabrics having a suede-like surface. 391,324; Oct. 28. Class 50.
Horowitz, Alfred S. (See La France Laboratories Inc.)
Huber, J. M., Inc., New York, N. Y. China clay. 391,211–12; Oct. 28; Serial Nos. 443,292–3; published Aug. 19, 1941. Class 1.
Hudson & Company, New York, N. Y., to C. M. Hudson, doing business as Hudson & Co., Pocomoke City, Md., successor. Ointment for external use indicated in the treatment of eczema, rash, boils, etc. 150,413; renewed Jan. 3, 1942.
Industrial Chemical Products Company, Detroit, Mich. Mixture with an acid. 391,199; Oct. 28; Serial No. 442,708; published Aug. 12, 1941. Class 6.
Industrial Undergarment Corporation, Poughkeepsie, N. Y. Slips. 391,172; Oct. 28; Serial No. 442,132; published Aug. 12, 1941. Class 39.
International Silver Company, Meriden and Bridgeport, to International Silver Company, Meriden, Conn. Silverplated flat and hollow tableware. 152,837; renewed Mar. 7, 1942.
Jackson & Church Company, Saginaw, Mich. Heating furnaces using solid, liquid, or gaseous fuels. 391,201; Oct. 28; Serial No. 442,789; published Aug. 19, 1941. Class 34.
Jacobs, Melvin H., doing business as Eaton Products, Chicago, Ill. Cologne. 391,225; Oct. 28; Serial No. 443,936; published Aug. 5, 1941. Class 6.
Joseph & Feiss Company, The, Cleveland, Ohio. Men's and youth's suits. 391,283; Oct. 28; Serial No. 444,150; published Aug. 19, 1941. Class 39.
Kaplan Bros., New York, N. Y. Artificial flowers. 391,143; Oct. 28; Serial No. 431,687; published Aug. 12, 1941. Class 50.
Kaylon, Inc. (See Berger, Harry.)
Keystone Varnish Company, Brooklyn, N. Y. Paste paints and ready-mixed paints and paint enamels. 391,275; Oct. 28; Serial No. 444,047; published Aug. 19, 1941. Class 16.
Kimball, C. M., Co., Boston, Mass. Ammonia, deodorant, and bleach. 391,177; Oct. 28; Serial No. 443,303; published Aug. 5, 1941. Class 6.
Klauer Manufacturing Company, Dubuque, Iowa. Gravity roof ventilators. 391,178; Oct. 28; Serial No. 443,364; published Aug. 19, 1941. Class 34.
Kress, S. H., and Company. (See Belle Knitting Corp., assignor.)
La France Laboratories Inc., to Alfred S. Horowitz, New York, N. Y., successor. Liquid shampoo. 147,124; renewed Oct. 4, 1941.
Lampl Knitwear Company, Cleveland, Ohio. Dresses, blouses, sweaters, etc. 391,301; Oct. 28; Serial No. 444,264; published Aug. 12, 1941. Class 39.
Leeds Ltd. Coats, Inc., New York, N. Y. Women's, misses', and juniors' coats, suits, jackets, capes, skirts, etc. 391,348; Oct. 28. Class 39.
Lentheric, Incorporated, New York, N. Y. Eau de cologne, after-shave lotion, and scalp stimulant. 391,274; Oct. 28; Serial No. 444,937; published Aug. 12, 1941. Class 6.
Leona Undergarment Co., Inc., New York, N. Y. Slips. 391,291; Oct. 28; Serial No. 444,188; published Aug. 12, 1941. Class 39.
Lewis, I., Cigar Manufacturing Co., Newark, N. J. Cigars. 152,860; renewed Mar. 7, 1942.
Lichtenstein, Gerson, Philadelphia, Pa. Rodeo attire. 391,109; Oct. 28; Serial No. 441,546; published Aug. 19, 1941. Class 39.
Liebenthal Brothers Company, The, doing business as Mario Products Co., Cleveland, Ohio. Preparation for the treatment of gastric or duodenal ulcers. 391,205; Oct. 28; Serial No. 443,197; published Aug. 19, 1941. Class 6.
Lufkin Rule Company, The, Saginaw, Mich. Tape measure. 391,333; Oct. 28. Class 26.
Lustberg, Nast & Co., Inc., New York, N. Y. Men's and women's outer garments. 391,226; Oct. 28; Serial No. 443,943; published Aug. 12, 1941. Class 39.
Lyons Band Instrument Company, Chicago, Ill. Woodwind musical instruments—namely, clarinets, oboes, horns, and bassoons. 391,338; Oct. 28. Class 36.
Manhattan Shirt Company, The, New York, N. Y. Articles of wearing apparel for women. 391,238; Oct. 28; Serial No. 444,500; published Aug. 12, 1941. Class 39.
Mario Products Co. (See Liebenthal Brothers Company.)
Martin, J. E., Equipment Corporation, Niagara Falls, N. Y. Dry cleaning fluid. 391,158; Oct. 28; Serial No. 439,393; published Aug. 19, 1941. Class 4.
Maryland Baking Company, Inc., Baltimore, Md. Ice cream cones. 391,156; Oct. 28; Serial No. 438,441; published Aug. 19, 1941. Class 46.
Maybaum Brothers Incorporated, New York, N. Y. Pearls. 153,240; renewed Mar. 14, 1942.
Mayer, B. W., Ltd., Poughkeepsie and New York, N. Y. Neckties, scarfs, cravats, reefers, etc. 391,345; Oct. 28. Class 39.
McLott, William C., doing business as The Resisto-Loy Company, Grand Rapids, Mich. Hard facing alloy metal. 391,227–9; Oct. 28; Serial Nos. 443,946–8; published Aug. 19, 1941. Class 14.
Merit Clothing Company, Inc., Mayfield, Ky. Men's overcoats of wool and mohair. 391,190; Oct. 28; Serial No. 443,663; published Aug. 19, 1941. Class 39.
Merrell, Wm. S., Company, The, Cincinnati, Ohio. Vitamin-containing pharmaceuticals. 391,184; Oct. 28; Serial No. 443,541; published Aug. 5, 1941. Class 6.
Meyer, Earl O., doing business as Moe-Nade Laboratories, Denver, Colo. Massage bar. 391,203; Oct. 28; Serial No. 443,048; published Aug. 5, 1941. Class 6.
Mills, Lyle W., doing business as Hill's Laboratories, Silver Spring, Md. Medicinal preparation. 391,292; Oct. 28; Serial No. 444,196; published Aug. 12, 1941. Class 6.
Minerals, Inc., Franklin, N. C. Concrete mixtures and plasters. 391,164; Oct. 28; Serial No. 440,828; published Aug. 12, 1941. Class 12.
Mitchell, Myrtle F., et al. (See Flood, Daniel A.)
Moe-Nade Laboratories. (See Meyer, Earl O.)
Morner, Adolf H., New York, N. Y. Safety razors and razor blades. 391,334; Oct. 28. Class 23.
Morton Packing Company, Louisville, Ky. Canned food products. 391,161; Oct. 28; Serial No. 440,423; published July 22, 1941. Class 46.
Mutual Buying Syndicate, Inc., New York, N. Y. Women's, misses', and children's cloth coats, dresses, blouses, skirts, sweaters, etc. 391,341; Oct. 28. Class 39.
Mutual Buying Syndicate, Inc., New York, N. Y. Handbags. 391,350; Oct. 28. Class 3.
National Associated Distributors, Inc., New York, N. Y. Insect repellent. 391,141; Oct. 28; Serial No. 430,873; published July 23, 1940. Class 6.
National Cleaning Products Company. (See Hackman, Jack.)
National Independent Oil Company, Inc., York, Pa. Lubricating oils and greases, gasoline, kerosene, and crude petroleum oils. 153,262; renewed Mar. 14, 1942.
National Powder Extinguisher Corporation, Jersey City, N. J. Fire extinguishing compounds. 391,302; Oct. 28; Serial No. 444,273; published Aug. 12, 1941. Class 6.
National Union Radio Corporation. (See Philco Corporation, assignor.)
Natra-Lyn Manufacturing Company, Philadelphia, Pa. Cream for permanent waving, shampoo, hair oil, etc. 391,222; Oct. 28; Serial No. 443,890; published Aug. 19, 1941. Class 6.
Nelson Knitting Company, Rockford, Ill. Hosiery. 391,323; Oct. 28. Class 39.
Newmark, Samuel F., doing business as Reingold Hosiery Co., New York, N. Y. Hosiery. 391,151; Oct. 28; Serial No. 436,623; published Mar. 4, 1941. Class 39.
Norwich Knitting Company, Norwich, N. Y. Sweat shirts, sport shirts, and polo shirts. 391,130; Oct. 28; Serial No. 428,499; published Apr. 16, 1940. Class 39.
Nu-Dent Porcelain Studio, Inc., New York, N. Y. Tooth facings and dental crowns. 391,271; Oct. 28; Serial No. 444,911; published Aug. 19, 1941. Class 44.
Oak Mfg. Co., Chicago, Ill. Electric switches, vibrators, condensers, etc. 391,258; Oct. 28; Serial No. 444,738; published Aug. 19, 1941. Class 21.

Old Colony Tar Company, Inc., Sparta, N. J. Road tar. 391,284; Oct. 28; Serial No. 444,158; published Aug. 12, 1941. Class 12.
Orefraction Incorporated, Pittsburgh, Pa. Mineral abrasive powders. 391,213; Oct. 28; Serial No. 443,302; published Aug. 19, 1941. Class 4.
Packard Dresses Inc., New York, N. Y. Ladies' and misses' dresses and dress ensembles. 391,234; Oct. 28; Serial No. 444,413; published Aug. 19, 1941. Class 39.
Parke, Davis & Company, Detroit, Mich. Preparation used in the treatment of heart conditions, etc. 391,170; Oct. 28; Serial No. 441,627; published Aug. 5, 1941. Class 6.
Patented Appliances, Incorporated, Simsbury and Saybrook, Conn. Food patty forming machines. 391,276; Oct. 28; Serial No. 444,051; published Aug. 19, 1941. Class 23.
Penslar Company, The, Detroit, Mich. Vitamin product. 391,242; Oct. 28; Serial No. 444,579; published Aug. 19, 1941. Class 6.
Pepperell Manufacturing Company, Boston, Mass. Blankets and piece goods of cotton, wool, artificial silk, and sheets, pillowcases, etc. 391,250; Oct. 28; Serial No. 444,655; published Aug. 12, 1941. Class 42.
Pepperell Manufacturing Company, Boston, Mass. Blankets. 391,255; Oct. 28; Serial No. 444,714; published Aug. 12, 1941. Class 42.
Petersen Oven Company, The, Chicago, Ill. Baking ovens and hot air agitating apparatus therefor. 391,175; Oct. 28; Serial No. 442,427; published Aug. 19, 1941. Class 34.
Petrolite Corporation, Ltd., St. Louis, Mo. Chemical agent. 391,207; Oct. 28; Serial No. 443,264; published Aug. 12, 1941. Class 6.
Philco Corporation, Philadelphia, Pa., assignor to National Union Radio Corporation, Newark, N. J. Radio and television tubes. 391,145; Oct. 28; Serial No. 432,867; published Aug. 19, 1941. Class 21.
Phillips Insulated Wire Co., Pawtucket, R. I., assignor, by mesne assignments, to General Cable Corporation, New York, N. Y. Insulated conducting-wires. 20,399; re-renewed Nov. 10, 1941.
Piedmont Cotton Mills, Egan, Ga. Cotton twine. 391,259; Oct. 28; Serial No. 444,740; published Aug. 19, 1941. Class 7.
Piper, Peter, Clothes Inc., Philadelphia, Pa. Clothing. 391,165; Oct. 28; Serial No. 440,876; published Aug. 12, 1941. Class 39.
Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Ladies' and misses' coats, dresses, jackets, blouses, gloves made of leather and fabric or combination thereof, etc. 391,344; Oct. 28. Class 39.
Podhouser & Hollinger Fur Corp., New York, N. Y. Muskrat coats for women. 391,195; Oct. 28; Serial No. 443,780; published Aug. 19, 1941. Class 39.
Pollack, Max, & Co., Inc., New York, N. Y. Sewing threads. 153,281; renewed Mar. 14, 1942.
Pollock, Leo, Corporation, New York, N. Y. Decorative lighting devices. 391,253–4; Oct. 28; Serial Nos. 444,678–9; published Aug. 19, 1941. Class 21.
Porcelain Insulator Corporation, The, Lima, N. Y. Electric insulators made of porcelain. 153,282; renewed Mar. 14, 1942.
Premo Pharmaceutical Laboratories, Inc., New York, N. Y. Pharmaceutical preparation of vitamins and minerals. 391,251; Oct. 28; Serial No. 444,658; published Aug. 19, 1941. Class 6.
Producers' Crop Improvement Association, Piper City, Ill. Field seeds and hybrid seed corn. 391,197; Oct. 28; Serial No. 442,497; published Aug. 19, 1941. Class 1.
Pro-Phy-Lac-Tic Brush Company, Northampton, Mass. Tooth brushes. 391,337; Oct. 28. Class 29.
Pyro Clay Products Company, Oak Hill, Ohio. Refractory used in ramming coating and spraying ladles in iron, ladles, etc. 391,183; Oct. 28; Serial No. 443,517; published Aug. 12, 1941. Class 1.
Raleigh Manufacturers Incorporated, New York, N. Y. Men's and boys' suits, overcoats, topcoats, sport-coats, etc. 391,331; Oct. 28. Class 39.
Reingold Hosiery Co. (See Newmark, Samuel F.)
Resisto-Loy Company, The. (See McLott, William C.)
Robinson, Hanson, Wayne, Pa. Toy whistles. 391,328; Oct. 28. Class 22.
Ross, Howard L., Corporation, New York, N. Y. Combined spear and fork made of plastic material for use in handling pickles, olives, etc. 391,243; Oct. 28; Serial No. 444,582; published Aug. 19, 1941. Class 23.
Rotobowling Corporation, Miami, Fla. Power bowling machines, bowling pins, balls, and alleys. 391,191; Oct. 28; Serial No. 443,704; published Aug. 19, 1941. Class 22.
Ruberoid Co., The, Boundbrook, N. J., and New York, N.Y. Asbestos-cement wall board. 391,305; Oct. 28; Serial No. 444,309; published Aug. 12, 1941. Class 12.
Ruberoid Co., The, Boundbrook, N. J., and New York, N. Y. Asphalt shingles. 391,306; Oct. 28; Serial No. 444,312; published Aug. 12, 1941. Class 12.
St. John, Paul D., Claremont, Calif. Perfumes. 391,245; Oct. 28; Serial No. 444,614; published Aug. 5, 1941. Class 6.
Samstag & Hilder Bros., assignor to The Glemby Company, Inc., New York, N. Y. Hair nets. 152,980; renewed Mar. 7, 1942.
Sandoz Chemical Works, Inc., New York, N. Y. Medicinal preparation. 391,277; Oct. 28; Serial No. 444,054; published Aug. 12, 1941. Class 6.
Schering & Glatz, Inc., assignor to Schering & Glatz, Inc., New York, N. Y. Medicinal preparation for the treatment of gallstones. 151,593; renewed Feb. 7, 1942.
Schleussner, Dr. C., doing business as Dr. C. Schleussner Fotowerke G. m. b. H., Frankfort-on-the-Main, Germany. Chemical products for photographic purposes. 391,149; Oct. 28; Serial No. 435,859; published July 22, 1941. Class 6.
Schloss Bros. & Co., Inc., Baltimore, Md. Men's and young men's and boys' suits, coats, trousers, sport coats, sport jackets, etc. 391,342; Oct. 28. Class 39.
Sears, Roebuck and Co., Chicago, Ill. Women's, children's, and infants' underwear. 391,154; Oct. 28; Serial No. 438,091; published Aug. 12, 1941. Class 39.
Sears, Roebuck and Co., Chicago, Ill. Body deodorants. 391,173; Oct. 28; Serial No. 442,143; published Aug. 19, 1941. Class 6.
Sears, Roebuck and Co., Chicago, Ill. Wire fencing. 391,285–6; Oct. 28; Serial Nos. 444,159–60; published Aug. 19, 1941. Class 13.
Shane, C. B., Corporation, Chicago, Ill. Men's, boys', women's, and girls' overcoats and topcoats. 391,325; Oct. 28. Class 39.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Container or vial, ampoule or ampoule-vial holding a biological or pharmaceutical medicament, etc. 391,241; Oct. 28; Serial No. 444,549; published Aug. 19, 1941. Class 6.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Pharmaceutical preparations. 391,296; Oct. 28; Serial No. 444,231; published Aug. 12, 1941. Class 6.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Pharmaceutical preparations. 391,297; Oct. 28; Serial No. 444,232; published Aug. 12, 1941. Class 6.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Preparations for facilitating the interaction of blood constituents, etc. 391,298; Oct. 28; Serial No. 444,233; published Aug. 12, 1941. Class 6.
Shirley Silk Co., Inc., New York, N. Y. Silk fabrics in the piece. 391,263–5; Oct. 28; Serial Nos. 444,801–3; published Aug. 12, 1941. Class 42.
Siegfried, H., & Sons, Inc., St. Louis, Mo. Men's and boys' trousers. 391,232; Oct. 28; Serial No. 444,392; published Aug. 19, 1941. Class 39.
Simkins, A., & Co., New York, N. Y. Carved wood and plastic accessories. 391,310; Oct. 28; Serial No. 444,358; published Aug. 19, 1941. Class 32.
Sleepmaster Products Company, Newark, N. J. Mattresses, box springs, studio couches and pillows. 391,256; Oct. 28; Serial No. 444,717; published Aug. 19, 1941. Class 32.
Smithe, F. L., Machine Company, Incorporated, New York, N. Y. Machines for making envelopes. 152,506; renewed Feb. 28, 1942.
Solvay Process Company, The, New York, N. Y. Dehumidifiers. 391,219; Oct. 28; Serial No. 443,862; published Aug. 19, 1941. Class 34.
Spicene Co. of America, Long Island City, N. Y. Sausage seasoning. 391,278; Oct. 28; Serial No. 444,057; published Aug. 19, 1941. Class 46.
Spiewak, I., & Sons, Jersey City, N. J. Sport and work jackets, coats, vests, etc. 391,185; Oct. 28; Serial No. 443,584; published Aug. 12, 1941. Class 39.
Staedtler, J. S., Nuremberg, Germany. Pencils, crayons, pencils, etc. 391,147; Oct. 28; Serial No. 433,835; published Aug. 19, 1941. Class 37.
Standard Foods, Incorporated, Louisville, Ky. Frozen meats. 391,208; Oct. 28; Serial No. 443,270; published Aug. 19, 1941. Class 46.
Standard Milling Company, New York, N. Y. Wheat flour, rye flour, cake flour, etc. 391,136; Oct. 28; Serial No. 417,477; published Aug. 19, 1941. Class 46.
Standard Paper Company, Bellows Falls, Vt. Sealing tape. 153,537; renewed Mar. 21, 1942.
Star Company, to American Newspapers, Inc., New York, N. Y., successor. Nom de plume used on newspaper articles. 147,412; renewed Oct. 11, 1941.
Stark Bros. Ribbon Corporation, New York, N. Y. Textile ribbons manufactured from silk, rayon, etc. 391,220; Oct. 28; Serial No. 443,863; published Aug. 12, 1941. Class 42.
Stix, Baer and Fuller Company, St. Louis, Mo. Handbags and purses. 391,318; Oct. 28; Serial No. 445,304; published Aug. 19, 1941. Class 3.
Sweeney, William R., assignor to W. R. Sweeney, Mfgr., Salisbury, Mo. Rat, mouse, mole, and gopher poison. 152,280; renewed Feb. 21, 1942.
Sylvania Industrial Corporation, Fredericksburg, Va., and New York, N. Y. Paper having a smooth glossy thermoplastic coating thereon. 391,214; Oct. 28; Serial No. 443,349; published Aug. 19, 1941. Class 37.

Sylvania Industrial Corporation, Fredericksburg, Va., and New York, N. Y. Textile fabrics in the piece. 391,215; Oct. 28; Serial No. 443,350; published Aug. 12, 1941. Class 50.

Teddy Pharmaceutical Co. (See Voss, Peter.)

Texas Tanning & Manufacturing Company, Yoakum, Tex. Billfolds, keycases, brief cases, etc. 391,317; Oct. 28; Serial No. 445,279; published Aug. 19, 1941. Class 3.

Thormac Chemical Company, Inc., New York, N. Y. Coatings in the nature of paint and enamel coatings. 391,167–8; Oct. 28; Serial Nos. 441,334–5; published Aug. 19, 1941. Class 16.

Tide Water Associated Oil Company. (See Associated Oil Company, assignor.)

Tioga Mills, Inc., Waverly, N. Y. Poultry grain, drywash chick feed and stock feed. 391,171; Oct. 28; Serial No. 442,054; published Aug. 19, 1941. Class 46.

Transcontinental & Western Air, Inc., North Kansas City, Mo. Ash trays. 391,192; Oct. 28; Serial No. 443,706; published Aug. 12, 1941. Class 8.

Triangle Raincoat Co., Inc., New York, N. Y. Men's, women's, and children's raincoats, reversible coats, and snowsuits. 391,335; Oct. 28. Class 39.

Tuco Work Shops, Incorporated, The, Lockport, N. Y. Picture puzzle games. 391,150; Oct. 28; Serial No. 435,926; published Aug. 19, 1941. Class 22.

20th Century Chemical Company, Camden, N. J. Preparations for cleaning radiators and motor cooling systems, chemical preparations for dressing fabrics and waterproofing purposes, etc. 391,144; Oct. 28; Serial No. 432,800; published Aug. 12, 1941. Class 6.

United Cut Flowers Co. Inc., New York, N. Y. Cut flowers. 391,299; Oct. 28; Serial No. 444,243; published Aug. 12, 1941. Class 1.

U. S. Electrical Motors, Inc., Los Angeles, Calif. Electric motors. 391,273; Oct. 28; Serial No. 444,922; published Aug. 19, 1941. Class 21.

United States Gypsum Company, Chicago, Ill. Acoustical tile. 391,246; Oct. 28; Serial No. 444,619; published Aug. 12, 1941. Class 12.

United States Rubber Company, New York, N. Y. Rubber crib sheets. 391,146; Oct. 28; Serial No. 433,187; published Aug. 12, 1941. Class 50.

United States Rubber Company, New York, N. Y. Electrical conductor wires and cables. 391,272; Oct. 28; Serial No. 444,921; published Aug. 19, 1941. Class 21.

U. S. Vitamin Corporation, New York, N. Y. Vitamin-mineral supplement for dogs and small breed animals. 391,247; Oct. 28; Serial No. 444,621; published Aug. 5, 1941. Class 6.

Van Pelt & Brown, Inc., Richmond, Va. Medicine to be taken internally. 391,293; Oct. 28; Serial No. 444,209; published Aug. 12, 1941. Class 6.

Victoria-Vogue, Inc., New York, N. Y. Powder puffs. 391,231; Oct. 28; Serial No. 443,980; published Aug. 12, 1941. Class 29.

Voss, Peter, doing business as Teddy Pharmaceutical Co., Washington, D. C. Laxatives, skin and rectal ointments, and healing salves. 391,186; Oct. 28; Serial No. 443,588; published Aug. 19, 1941. Class 6.

Vy Lactos Laboratories, Inc., Des Moines, Iowa. Livestock and poultry feeds. 391,142; Oct. 28; Serial No. 430,886; published Aug. 19, 1941. Class 46.

Waggoner, Norman L., Inc., San Francisco, Calif. Canned fruits and canned vegetables. 391,230; Oct. 28; Serial No. 443,965; published Aug. 19, 1941. Class 46.

Waks Fur Company, New York, N. Y. Fur coats and jackets. 391,260; Oct. 28; Serial No. 444,745; published Aug. 19, 1941. Class 39.

Walnut Grove Products Company, Atlantic, Iowa. Vermifuges, insecticides, germicides, and disinfectants. 391,155; Oct. 28; Serial No. 438,226; published Aug. 19, 1941. Class 6.

Weber and Heilbroner, Inc., New York, N. Y. Men's suits, slacks, outer and under shirts, etc. 391,248; Oct. 28; Serial No. 444,622; published Aug. 19, 1941. Class 39.

White, Martin, Inc., New York, N. Y. Bathing suits and women's sportswear clothing. 391,202; Oct. 28; Serial No. 442,921; published Aug. 12, 1941. Class 39.

White, S. S., Dental Manufacturing Company, The, Philadelphia, Pa. Mouth wash. 391,303; Oct. 28; Serial No. 444,292; published Aug. 19, 1941. Class 6.

Williams, R. C., & Company, Inc., New York, N. Y. Food colorings. 391,217; Oct. 28; Serial No. 443,826; published Aug. 19, 1941. Class 6.

Willow Shirt and Underwear Corporation, New Haven, Conn. Men's outer shirts and pajamas. 391,336; Oct. 28. Class 39.

Wilson, Calista V., doing business as Cottie-Wilson Laboratories, North Hollywood, Calif. Colloidal sulphur solution for internal consumption, baths, enema, etc. 391,162; Oct. 28; Serial No. 440,446; published Aug. 19, 1941. Class 6.

Wimelbacher & Rice, New York, N. Y. Ladies' leather gloves. 391,343; Oct. 28. Class 39.

Winston, Sidney, Washington, D. C. Women's, misses', and children's dresses. 391,252; Oct. 28; Serial No. 444,661; published Aug. 19, 1941. Class 39.

Wolff, Conrad, Irvington, N. J. Metal polish. 391,269; Oct. 28; Serial No. 444,851; published Aug. 19, 1941. Class 4.

Zonite Products Corporation, New York, N. Y. Mothproofing composition. 391,267–8; Oct. 28; Serials Nos. 444,846–7; published Aug. 19, 1941. Class 6.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Clay, China. J. M. Huber, Inc. 391,211–12; Oct. 28, Serial Nos. 443,292–3; published Aug. 19, 1941.

Cut flowers. United Cut Flowers Co. Inc. 391,299; Oct. 28; Serial No. 444,243; published Aug. 12, 1941.

Grit, gravel, oyster shell, etc. Burnett's Incorporated. 391,198; Oct. 28; Serial No. 442,688; published Aug. 12, 1941.

Leathers, Kid. John R. Evans & Company. 391,330; Oct. 28.

Lily bulbs and lily buds. T. A. Covel. 391,279; Oct. 28; Serial No. 444,071; published Aug. 12, 1941.

Raw or partially prepared materials made from cashew nut shell liquid. Harvel Corporation. 391,140; Oct. 28; Serial No. 430,278; published Aug. 12, 1941.

Refractory used in ramming coating and spraying ladles in iron, lades, etc. Pyro Clay Products Company. 391,183; Oct. 28; Serial No. 443,517; published Aug. 12, 1941.

Seeds and hybrid seed corn, Field. Producers' Crop Improvement Association. 391,197; Oct. 28; Serial No. 442,497; published Aug. 19, 1941.

CLASS 3

Billfolds, keycases, brief cases, etc. Texas Tanning & Manufacturing Company. 391,317; Oct. 28; Serial No. 446,279; published Aug. 19, 1941.

Handbags. Mutual Buying Syndicate, Inc. 391,350; Oct. 28.

Handbags and purses. Stix, Baer and Fuller Company. 391,318; Oct. 28; Serial No. 445,304; published Aug. 19, 1941.

CLASS 4

Abrasive powders, Mineral. Orefraction Incorporated. 391,213; Oct. 28; Serial No. 443,302; published Aug. 19, 1941.

Cleaning fluid, Dry. J. E. Martin Equipment Corporation. 391,158; Oct. 28; Serial No. 439,393; published Aug. 19, 1941.

Metallic wool pads, Soap impregnated. Club Aluminum Products Co. 391,270; Oct. 28; Serial No. 444,896; published Aug. 19, 1941.

Polish, Metal. C. Wolff. 391,269; Oct. 28; Serial No. 444,851; published Aug. 19, 1941.

Powder for use as a washing preparation. J. Hackman. 391,295; Oct. 28; Serial No. 444,220; published Aug. 19, 1941.

Soap, Hand. H. Geo. Dahl. 150,320; renewed Jan. 3, 1942.

CLASS 6

Ammonia, deodorant, and bleach. C. M. Kimball Co. 391,177; Oct. 28; Serial No. 443,363; published Aug. 5, 1941.

Astringent, skin lotion, foundation lotion, etc. Bonne Bell, Inc. 391,176; Oct. 28; Serial No. 443,354; published July 22, 1941.

Body deodorant. E. Coryell. 391,181; Oct. 28; Serial No. 443,455; published Aug. 5, 1941.

Carbon, Particulate. Columbian Carbon Company. 391,235; Oct. 28; Serial No. 444,439; published Aug. 5, 1941.

Chemical agent. Petrolite Corporation. 391,207; Oct. 28; Serial No. 443,264; published Aug. 12, 1941.

Chemical products for photographic purposes. Dr. C. Schleussner. 391,149; Oct. 28; Serial No. 435,859; published July 22, 1941.

Colloidal sulphur solution. C. V. Wilson. 391,162; Oct. 28; Serial No. 440,446; published Aug. 19, 1941.

Cologne. M. H. Jacobs. 391,225; Oct. 28; Serial No. 443,936; published Aug. 5, 1941.

Container or vial, ampoule or ampoule-vial holding a biological or pharmaceutical medicament, etc. Sharp & Dohme, Incorporated. 391,241; Oct. 28; Serial No. 444,549; published Aug. 19, 1941.

Cream for permanent waving, shampoo, etc. Natra-Lyn Manufacturing Company. 391,222; Oct. 28; Serial No. 443,890; published Aug. 19, 1941.

Deodorants, Body. Sears, Roebuck and Co. 391,173; Oct. 28; Serial No. 442,143; published Aug. 19, 1941.

Dipentaerythritol. Heyden Chemical Corporation. 391,289; Oct. 28; Serial No. 444,183; published Aug. 19, 1941.

Dyestuffs. E. I. du Pont de Nemours and Company. 148,819; renewed Nov. 29, 1941.

Eau de cologne, after-shave lotion, and scalp stimulant. Lentheric, Incorporated. 391,274; Oct. 28; Serial No. 444,937; published Aug. 12, 1941.

Emulsifying, wetting, and dispersing agents. Atlas Powder Company. 391,244; Oct. 28; Serial No. 444,591; published Aug. 12, 1941.

Fire extinguishing compounds. National Powder Extinguisher Corporation. 391,302; Oct. 28; Serial No. 444,273; published Aug. 12, 1941.

Food colorings. R. C. Williams & Company. 391,217; Oct. 28; Serial No. 443,826; published Aug. 19, 1941.

Hair lotions. Gilda Audrey Products, Inc. 391,312; Oct. 28; Serial No. 445,092; published Aug. 19, 1941.

Insect repellent. National Associated Distributors, Inc. 391,141; Oct. 28; Serial No. 430,873; published July 23, 1940.

Insecticide specially processed to allay irritation in the treatment of pediculosis, scabies, etc. W. K. Angevine. 391,218; Oct. 28; Serial No. 443,831; published Aug. 12, 1941.

Laxatives, skin and rectal ointments, and healing salves. P. Voss. 391,186; Oct. 28; Serial No. 443,588; published Aug. 19, 1941.

Massage bar. E. O. Meyer. 391,203; Oct. 28; Serial No. 443,048; published Aug. 5, 1941.

Medicine. Van Pelt & Brown, Inc. 391,293; Oct. 28; Serial No. 444,209; published Aug. 12, 1941.

Medicinal ointment for treatment of irritations and other derangements of the skin. W. W. Ames. 391,346; Oct. 28.

Medicinal preparation. L. W. Mills. 391,292; Oct. 28; Serial No. 444,196; published Aug. 12, 1941.

Medicinal preparation. Sandoz Chemical Works, Inc. 391,277; Oct. 28; Serial No. 444,054; published Aug. 12, 1941.

Medicinal preparation for the treatment of gallstones. Schering & Glatz, Inc. 151,593; renewed Feb. 7, 1942.

Mixture with an acid. Industrial Chemical Products Company. 391,199; Oct. 28; Serial No. 442,708; published Aug. 12, 1941.

Mothproofing composition. Zonite Products Corporation. 391,267–8; Oct. 28; Serial Nos. 444,846–7; published Aug. 19, 1941.

Mouth wash. S. S. White Dental Manufacturing Company. 391,303; Oct. 28; Serial No. 444,292; published Aug. 19, 1941.

Oil, Fortified wheat germ. General Mills, Inc. 391,308–9; Oct. 28; Serial Nos. 444,335–6; published Aug. 19, 1941.

Ointment base. Abbott Laboratories. 391,315; Oct. 28; Serial No. 445,190; published Aug. 19, 1941.

Ointment for external use. Hudson & Company. 150,413; renewed Jan. 3, 1942.

Ointment having medicinal properties. D. A. Flood. 150,361; renewed Jan. 3, 1942.

Parasiticides, insecticides, animal poisons, and animal repellents. California Spray-Chemical Corporation. 391,174; Oct. 28; Serial No. 442,408; published Aug. 12, 1941.

Particulate carbon used in the industrial arts. Columbian Carbon Company. 391,266; Oct. 28; Serial No. 444,820; published Aug. 19, 1941.

Pentaerythritol. Heyden Chemical Corporation. 391,290; Oct. 28; Serial No. 444,184; published Aug. 19, 1941.

Perfumes. Elizabeth Arden Sales Corporation. 391,261; Oct. 28; Serial No. 444,786; published Aug. 5, 1941.

Perfumes. P. D. St. John. 391,245; Oct. 28; Serial No. 444,614; published Aug. 5, 1941.

Perfumes and toilet waters. Elizabeth Arden Sales Corporation. 391,307; Oct. 28; Serial No. 444,319; published Aug. 19, 1941.

Perfumes and toilet water. Gaston de Paris, Inc. 391,236; Oct. 28; Serial No. 444,446; published Aug. 19, 1941.

Pharmaceutical preparation for occasional constipation. Cole Chemical Company. 391,311; Oct. 28; Serial No. 445,084; published Aug. 19, 1941.

Pharmaceutical preparation of vitamins and minerals. Premo Pharmaceutical Laboratories. 391,251; Oct. 28; Serial No. 444,658; published Aug. 19, 1941.

Pharmaceutical preparations. Sharp & Dohme, Incorporated. 391,296; Oct. 28; Serial No. 444,231; published Aug. 12, 1941.

Pharmaceutical preparations. Sharp & Dohme, Incorporated. 391,297; Oct. 28; Serial No. 444,232; published Aug. 12, 1941.

Poison, Rat, mouse, mole, and gopher. W. R. Sweeny. 152,280; renewed Feb. 21, 1942.

Powders, Foot. Fleetfoot Company. 391,148; Oct. 28; Serial No. 434,302; published Oct. 15, 1940.

Preparation for the treatment of gastric or duodenal ulcers. Liebenthal Brothers Company. 391,205; Oct. 28; Serial No. 443,197; published Aug. 19, 1941.

Preparation used in the treatment of heart conditions, etc. Parke, Davis & Company. 391,170; Oct. 28; Serial No. 441,627; published Aug. 5, 1941.

Preparations for cleaning radiators and motor cooling systems, chemical preparations for dressing fabrics and waterproofing purposes, etc. 20th. Century Chemical Company. 391,144; Oct. 28; Serial No. 432,800; published Aug. 12, 1941.

Preparations for facilitating the inter-action of blood constituents, etc. Sharp & Dohme, Incorporated. 391,298; Oct. 28; Serial No. 444,233; published Aug. 12, 1941.

Sachets and flower packs. Mary Douglas, Inc. 391,163; Oct. 28; Serial No. 440,461; published Aug. 12, 1941.

Shampoo, Liquid. La France Laboratories Inc. 147,124; renewed Oct. 4, 1941.

Silicate, Adsorbent magnesium. Floridin Company. 391,282; Oct. 28; Serial No. 444,145; published Aug. 5, 1941.

Skin creams, hand creams, cleansing creams, etc. H. E. Boyce. 391,152; Oct. 28; Serial No. 436,756; published Aug. 5, 1941.

Vermifuges, insecticides, germicides, and disinfectants. Walnut Grove Products Company. 391,155; Oct. 28; Serial No. 438,226; published Aug. 19, 1941.

Vitamin B. complex components, Injectable solution of. Abbott Laboratories. 391,316; Oct. 28; Serial No. 445,188; published Aug. 19, 1941.

Vitamin-containing pharmaceuticals. Wm. S. Merrell Company. 391,184; Oct. 28; Serial No. 443,541; published Aug. 5, 1941.

Vitamin-mineral supplement for dogs and small breed animals. U. S. Vitamin Corporation. 391,247; Oct. 28; Serial No. 444,621; published Aug. 5, 1941.

Vitamin preparation, Compound. Alba Pharmaceutical Company. 391,223; Oct. 28; Serial No. 443,906; published Aug. 5, 1941.

Vitamin product. Penslar Company. 391,242; Oct. 28; Serial No. 444,579; published Aug. 19, 1941.

CLASS 7

Twine, Cotton. Piedmont Cotton Mills. 391,259; Oct. 28; Serial No. 444,740; published Aug. 19, 1941.

CLASS 8

Ash trays. Transcontinental & Western Air, Inc. 391,192; Oct. 28; Serial No. 443,706; published Aug. 12, 1941.

CLASS 12

Concrete mixtures and plasters. Minerals, Inc. 391,164; Oct. 28; Serial No. 440,828; published Aug. 12, 1941.

Masonry mortar. M. J. Grove Lime Company of Frederick County. 391,288; Oct. 28; Serial No. 444,181; published Aug. 12, 1941.

Plastic compound. J. A. Becker. 391,294; Oct. 28; Serial No. 444,212; published Aug. 12, 1941.

Shingles, Asphalt. Ruberoid Co. 391,306; Oct. 28; Serial No. 444,312; published Aug. 12, 1941.

Tar, Road. Old Colony Tar Company. 391,284; Oct. 28; Serial No. 444,158; published Aug. 12, 1941.

Tile, Acoustical. United States Gypsum Company. 391,246; Oct. 28; Serial No. 444,619; published Aug. 12, 1941.

Wall board, Asbestos-cement. Ruberoid Co. 391,305; Oct. 28; Serial No. 444,309; published Aug. 12, 1941.

CLASS 13

Wire fencing. Sears, Roebuck and Co. 391,285–6; Oct. 28; Serial Nos. 444,159–60; published Aug. 19, 1941.

CLASS 14

Alloy metal, Hard facing. W. C. McLott. 391,227–9; Oct. 28; Serial Nos. 443,946–8; published Aug. 19, 1941.

Iron, Pig. Hanna Furnace Corporation. 391,237; Oct. 28; Serial No. 444,498; published Aug. 19, 1941.

Printing type fonts. Bauer Type Foundry, Inc. 391,138; Oct. 28; Serial No. 426,117; published Aug. 19, 1941.

Wire, Box stitching. Calumet Wire Co. 391,340; Oct. 28.

CLASS 15

Fuel oil, gasoline oil, gasoline, etc. Billups Petroleum Company. 391,180; Oct. 28; Serial No. 443,451; published Aug. 12, 1941.

Oils and greases, gasoline, kerosene, and crude petroleum, Lubricating. National Independent Oil Company; 153,262; renewed Mr. 14, 1942.

Oils and greases, Lubricating. Associated Oil Company. 152,670; renewed Mar. 7, 1942.

CLASS 16

Paint and enamel coatings, Coatings in the nature of. Thormac Chemical Company. 391,167–8; Oct. 28; Serial Nos. 441,334–5; published Aug. 19, 1941.

Paint, stains, varnishes, paint enamels, etc. California Paint Company. 149,862–3; renewed Dec. 27, 1941.

Paints, varnishes, and colors. California Paint Company. 150,277; renewed Jan. 3, 1942.

Paste paints and ready-mixed paints and paint enamels. Keystone Varnish Company. 391,275; Oct. 28; Serial No. 444,047; published Aug. 19, 1941.

CLASS 17

Cigars. I. Lewis Cigar Manufacturing Co. 152,860; renewed Mar. 7, 1942.
Tobacco, Twist, plug, and smoking. Barlow-Moore Tobacco Company. 153,114; renewed Mar. 14, 1942.

CLASS 19

Automobiles and structural parts thereof. General Motors Corporation. 391,166; Oct. 28; Serial No. 441,242; published Aug. 19, 1941.

CLASS 21

Conducting-wires, Insulated. Phillips Insulated Wire Co. 20,399; re-renewed Nov. 10, 1941.
Electric insulators made of porcelain. Porcelain Insulator Corporation. 153,282; renewed Mar. 14, 1942.
Electric lighting fixtures. Benjamin Electric Mfg. Company. 391,221; Oct. 28; Serial No. 443,872; published Aug. 19, 1941.
Electric switches, vibrators, condensers, etc. Oak Mfg. Co. 391,258; Oct. 28; Serial No. 444,738; published Aug. 19, 1941.
Fuses, Electric. R. Brewer. 391,332; Oct. 28.
Lighting devices, Decorative. Leo Pollock Corporation. 391,253–4; Oct. 28; Serial Nos. 444,678–9; published Aug. 19, 1941.
Motors, Electric. U. S. Electrical Motors, Inc. 391,273; Oct. 28; Serial No. 444,922; published Aug. 19, 1941.
Radio and television tubes. Phileo Corporation. 391,145; Oct. 28; Serial No. 432,867; published Aug. 19, 1941.
Wires and cables, Electrical conductor. United States Rubber Company. 391,272; Oct. 28; Serial No. 444,921; published Aug. 19, 1941.

CLASS 22

Game, Board. Milton Bradley Company. 391,314; Oct. 28; Serial No. 445,168; published Aug. 19, 1941.
Games, Picture puzzle. Tuco Work Shops, Incorporated. 391,150; Oct. 28; Serial No. 435,926; published Aug. 19, 1941.
Power bowling machines, bowling pins, balls, and alleys. Rotobowling Corporation. 391,191; Oct. 28; Serial No. 443,704; published Aug. 19, 1941.
Toy whistles. H. Robinson. 391,328; Oct. 28.

CLASS 23

Container, cooler, and dispenser, Unitary combination of. AMP Corporation. 391,200; Oct. 28; Serial No. 442,771; published Aug. 19, 1941.
Cork roll covers. Armstrong Cork Company. 391,300; Oct. 28; Serial No. 444,247; published Aug. 19, 1941.
Machines for making envelopes. F. L. Smithe Machine Company. 152,506; renewed Feb. 28, 1942.
Patty forming machines, Food. Patented Appliances, Incorporated. 391,276; Oct. 28; Serial No. 444,051; published Aug. 19, 1941.
Printing machines. Dash, Incorporated. 391,262; Oct. 28; Serial No. 444,791; published Aug. 19, 1941.
Razor blades. Cooper & Cooper Inc. 391,157; Oct. 28; Serial No. 439,223; published Aug. 19, 1941.
Razor blades, Safety. Gillette Safety Razor Company. 391,224; Oct. 28; Serial No. 443,930; published Aug. 19, 1941.
Razors and razor blades, Safety. A. H. Morner. 391,334; Oct. 28.
Spear and fork made of plastic material, Combined. Howard L. Ross Corporation. 391,243; Oct. 28; Serial No. 444,582; published Aug. 19, 1941.
Yarn carriers and yarn carrier tubes and fingers for knitting machines. Ernest A. Feustel, Incorporated. 391,257; Oct. 28; Serial No. 444,734; published Aug. 19, 1941.

CLASS 26

Measure, Tape. Lufkin Rule Company. 391,333; Oct. 28.

CLASS 27

Watches and clocks. Cartier, Inc. 151,443; renewed Feb. 7, 1942.
Watches and their parts. Fabrique d'Horlogerie Electa Gallet & Co. S. A. 147,600; renewed Oct. 25, 1941.

CLASS 28

Pearls. Maybaum Brothers Incorporated. 153,240; renewed Mar. 14, 1942.
Silver-plated flat and hollow tableware. International Silver Company. 152,837; renewed Mar. 7, 1942.

CLASS 29

Brushes, Tooth. Pro-phy-lac-tic Brush Company. 391,337; Oct. 28.
Puffs, Powder. Victoria-Vogue, Inc. 391,231; Oct. 28; Serial No. 443,989; published Aug. 12, 1941.

CLASS 32

Mattresses, box springs, studio couches and pillows. Sleepmaster Products Company. 391,256; Oct. 28; Serial No. 444,717; published Aug. 19, 1941.
Wood and plastic accessories, Carved. A. Simkins & Co. 391,310; Oct. 28; Serial No. 444,358; published Aug. 19, 1941.

CLASS 33

Glass, Laminated. American Window Glass Company. 391,160; Oct. 28; Serial No. 440,307; published Aug. 19, 1941.

CLASS 34

Baking ovens and hot air agitating apparatus therefor. Petersen Oven Company. 391,175; Oct. 28; Serial No. 442,427; published Aug. 19, 1941.
Dehumidifiers. Solvay Process Company. 391,219; Oct. 28; Serial No. 443,862; published Aug. 19, 1941.
Furnaces using solid, liquid, or gaseous fuels, Heating. Jackson & Church Company. 391,201; Oct. 28; Serial No. 442,789; published Aug. 19, 1941.
Ventilators, Gravity roof. Klauer Manufacturing Company. 391,178; Oct. 28; Serial No. 443,364; published Aug. 19, 1941.

CLASS 35

Piston rings. G. M. M. Grant. 391,313; Oct. 28; Serial No. 445,153; published Aug. 19, 1941.

CLASS 36

Musical instruments, Woodwind. Lyons Band Instrument Company. 391,338; Oct. 28.

CLASS 37

Envelopes. Cohoes Envelope Co. Inc. 391,304; Oct. 28; Serial No. 444,298; published Aug. 19, 1941.
Paper. Badger Paper Mills, Inc. 391,193; Oct. 28; Serial No. 443,709; published Aug. 12, 1941.
Paper and paper products. Central Paper Company. 391,209; Oct. 28; Serial No. 443,283; published Aug. 19, 1941.
Paper and writing paper and envelopes, Tissue. Bloomingdale Bros., Inc. 391,206; Oct. 28; Serial No. 443,245; published Aug. 12, 1941.
Paper having a smooth glossy thermoplastic coating thereon. Sylvania Industrial Corporation. 391,214; Oct. 28; Serial No. 443,349; published Aug. 19, 1941.
Paper, Wrapping. Crown Zellerbach Corporation. 391,182; Oct. 28; Serial No. 443,479; published Aug. 19, 1941.
Pencils, crayons, pencils, etc. J. S. Staedtler. 391,147; Oct. 28; Serial No. 433,835; published Aug. 19, 1941.
Pencils, Lead. American Lead Pencil Company. 391,281; Oct. 28; Serial No. 444,132; published Aug. 19, 1941.
Sealing tape. Standard Paper Company. 153,537; renewed Mar. 21, 1942.

CLASS 38

Nom de plume used on newspaper articles. Star Company. 147,412; renewed Oct. 11, 1941.

CLASS 39

Attire, Rodeo. G. Lichtenstein. 391,169; Oct. 28; Serial No. 441,546; published Aug. 19, 1941.
Bathing suits and women's sportwear clothing. Martin White Inc. 391,202; Oct. 28; Serial No. 442,921; published Aug. 12, 1941.
Clothing. Peter Piper Clothes Inc. 391,165; Oct. 28; Serial No. 440,876; published Aug. 12, 1941.
Coats and jackets, Fur. Waks Fur Company. 391,260; Oct. 28; Serial No. 444,745; published Aug. 19, 1941.
Coats, dresses, blouses, skirts, etc., Women's, misses', and children's cloth. Mutual Buying Syndicate, Inc. 391,341; Oct. 28.
Coats, dresses, jackets, blouses, etc., Ladies' and misses'. Plymouth Wholesale Dry Goods Corporation. 391,344; Oct. 28.
Coats for women, Muskrat. Podhouser & Hollinger Fur Corp. 391,195; Oct. 28; Serial No. 443,780; published Aug. 19, 1941.
Coats, Fur. Athenson & Passin, Inc. 391,287; Oct. 28; Serial No. 444,171; published Aug. 12, 1941.
Coats, suits, jackets, capes, etc., Women's, misses', and juniors'. Leeds Ltd. Coats, Inc. 391,348; Oct. 28.
Coats, Women's. B. Greenholtz. 391,240; Oct. 28; Serial No. 444,534; published Aug. 19, 1941.
Dresses. S. Winston. 391,252; Oct. 28; Serial No. 444,661; published Aug. 19, 1941.
Dresses and aprons, Ladies'. S. J. Goldfarb. 391,349; Oct. 28.
Dresses and dress ensembles, Ladies' and misses'. Packard Dresses Inc. 391,234; Oct. 28; Serial No. 444,413; published Aug. 19, 1941.
Dresses and housecoats, Ladies'. S. J. Goldfarb. 391,216; Oct. 28; Serial No. 443,810; published Aug. 12, 1941.
Dresses, blouses, sweaters, etc. Lampl Knitwear Company. 391,301; Oct. 28; Serial No. 444,264; published Aug. 12, 1941.
Dresses, Ladies'. H. Gladstone. 391,347; Oct. 28.
Garments, Men's and women's outer. Lustberg, Nast & Co. 391,226; Oct. 28; Serial No. 443,943; published Aug. 12, 1941.
Gloves, Ladies' leather. Wimelbacher & Rice. 391,343; Oct. 28.
Hair nets. Samstag & Hilder Bros. 152,980; renewed Mar. 7, 1942.
Hats, Men's felt. Bates-Thompson, Inc. 391,321; Oct. 28.
Hosiery. Best Made Silk Hosiery Co. 391,280; Oct. 28; Serial No. 444,115; published Aug. 12, 1941.
Hosiery. Nelson Knitting Company. 391,323; Oct. 28.

Hosiery. C. F. Newmark. 391,151; Oct. 28; Serial No. 436,623; published Mar. 4, 1941.
Neckties, scarfs, cravats, reefers, etc. B. W. Mayer, Ltd. 391,345; Oct. 28.
Overcoats and topcoats, Men's, boys', women's, and girls'. C. B. Shane Corporation. 391,325; Oct. 28.
Overcoats, Men's. Merit Clothing Company. 391,190; Oct. 28; Serial No. 443,663; published Aug. 19, 1941.
Raincoats, reversible coats, and snowsuits, Men's, women's, and children's. Triangle Raincoat Co. 391,335; Oct. 28.
Shirts. Acala Fabrics Company. 391,159; Oct. 28; Serial No. 439,740; published Apr. 8, 1941.
Shirts and pajamas, Men's outer. Willow Shirt and Underwear Corporation. 391,336; Oct. 28.
Shirts, Men's and boys'. H. Berger. 144,698; renewed July 19, 1941.
Shirts, pajamas, underwear, etc. H. W. Callen. 391,153; Oct. 28; Serial No. 437,713; published Jan. 21, 1941.
Shirts, sport shirts, and polo shirts, Sweat. Norwich Knitting Company. 391,139; Oct. 28; Serial No. 428,499; published Apr. 16, 1940.
Slacks, slack suits, gowns, robes, and pajamas, Children's. Green-Way Mfg. Co. 391,339; Oct. 28.
Slips. Industrial Undergarment Corporation. 391,172; Oct. 28; Serial No. 442,132; published Aug. 12, 1941.
Slips. Leona Undergarment Co. 391,291; Oct. 28; Serial No. 444,188; published Aug. 12, 1941.
Sport and work jackets, coats, vests, etc. I. Spiewak & Sons. 391,185; Oct. 28; Serial No. 443,584; published Aug. 12, 1941.
Suits. Bloomingdale Bros., Inc. 391,327; Oct. 28.
Suits, coats, trousers, sport coats, etc., Men's and young men's and boys'. Schloss Bros. & Co. 391,342; Oct. 28.
Suits, coats, vests, etc. Baker Clothes, Inc. 391,137; Oct. 28; Serial No. 420,840; published Sept. 5, 1939.
Suits, Men's and youths. Joseph & Feiss Company. 391,283; Oct. 28; Serial No. 444,150; published Aug. 19, 1941.
Suits, overcoats, topcoats, etc., Men's and boys'. Raleigh Manufacturers Incorporated. 391,331; Oct. 28.
Suits, slacks, outer and under shirts, etc., Men's. Wever and Hellbroner, Inc. 391,248; Oct. 28; Serial No. 444,622; published Aug. 19, 1941.
Suits, topcoats, and overcoats, Men's. Hickey Freeman Company. 391,329; Oct. 28.
Sweaters and sweater ensemble. Beldoch-Popper Inc. 391,194; Oct. 28; Serial No. 443,743; published Aug. 12, 1941.
Trousers, Men's and boys'. H. Siegfried & Sons, Inc. 391,232; Oct. 28; Serial No. 444,392; published Aug. 19, 1941.
Underwear, Rayon and silk. Louis Herman & Company. 391,204; Oct. 28; Serial No. 443,191; published Aug. 19, 1941.
Underwear, slips, pajamas, and nightgowns, Ladies' and children's. Belle Knitting Corp. 391,319; Oct. 28.
Underwear, Women's children's, and infants. Sears, Roebuck and Co. 391,154; Oct. 28; Serial No. 438,091; published Aug. 12, 1941.
Wearing apparel. Clearfield Taxidermy Company. 391,196; Oct. 28; Serial No. 442,444; published Aug. 19, 1941.
Wearing apparel for women, Articles of. Manhattan Shirt Company. 391,238; Oct. 28; Serial No. 444,506; published Aug. 12, 1941.

CLASS 42

Blankets. Pepperell Manufacturing Company. 391,255; Oct. 28; Serial No. 444,714; published Aug. 12, 1941.
Blankets and piece goods, sheets, pillowcases, etc. Pepperell Manufacturing Company. 391,250; Oct. 28; Serial No. 444,655; published Aug. 12, 1941.
Bedding, Infant's. William Carter Company. 391,179; Oct. 28; Serial No. 443,399; published Aug. 12, 1941.
Cotton goods in the piece. American Bleached Goods Company. 391,233; Oct. 28; Serial No. 444,393; published Aug. 12, 1941.
Piece goods made of rayon and other synthetic fibers. S. K. Everett. 391,249; Oct. 28; Serial No. 444,639; published Aug. 12, 1941.
Ribbons manufactured from silk, rayon, etc., Textile. Stark Bros. Ribbon Corporation. 391,220; Oct. 28; Serial No. 443,863; published Aug. 12, 1941.
Silk fabrics in the piece. Shirley Silk Co. 391,263–5; Oct. 28; Serial Nos. 444,801–3; published Aug. 12, 1941.

CLASS 43

Threads, Sewing. Max Pollack & Co. 153,281; renewed Mar. 14, 1942.

CLASS 44

Tongue depressors and cheek retractors, Illuminating and transilluminating combination. R. C. Cooley. 391,322; Oct. 28.
Tooth facings and dental crowns. Nu-Dent Porcelain Studio, Inc. 391,271; Oct. 28; Serial No. 444,911; published Aug. 19, 1941.

CLASS 46

Canned food products. Morton Packing Company. 391,161; Oct. 28; Serial No. 440,423; published July 22, 1941.
Canned fruits and canned vegetables. Norman L. Waggoner, Inc. 391,230; Oct. 28; Serial No. 443,965; published Aug. 19, 1941.
Canned lobster. Grand Bahama Packing Company. 391,210; Oct. 28; Serial No. 443,290; published Aug. 19, 1941.
Flour, Rye cake, wheat, etc. Standard Milling Company. 391,136; Oct. 28; Serial No. 417,477; published Aug. 19, 1941.
Food, Dog. Champion Animal Food Company. 391,326; Oct. 28.
Ice cream cones. Maryland Baking Company. 391,156; Oct. 28; Serial No. 438,441; published Aug. 19, 1941.
Livestock and poultry feeds. Vy Lactos Laboratories, Inc. 391,142; Oct. 28; Serial No. 430,886; published Aug. 19, 1941.
Meats, Frozen. Standard Foods, Incorporated. 391,208; Oct. 28; Serial No. 443,270; published Aug. 19, 1941.
Poultry grain, dry-wash chick feed, and stock feed. Tioga Mills, Inc. 391,171; Oct. 28; Serial No. 442,054; published Aug. 19, 1941.
Sausage seasoning. Spicene Co. of America. 391,278; Oct. 28; Serial No. 444,057; published Aug. 19, 1941.
Spaghetti. Campbell Soup Company. 391,239; Oct. 28; Serial No. 444,522; published Aug. 19, 1941.

CLASS 50

Coated fabrics. Atlas Powder Company. 391,187–9; Oct. 28; Serial No. 443,623–5; published Aug. 19, 1941.
Covering, Mop protective. D. H. Hasse. 391,320; Oct. 28.
Fabrics having a suede-like surface, Treated woven or knitted. Hood Rubber Company. 391,324; Oct. 28.
Flowers, Artificial. Kaplan Bros. 391,143; Oct. 28; Serial No. 431,687; published Aug. 12, 1941.
Rubber crib sheets. United States Rubber Company. 391,146; Oct. 28; Serial No. 433,187; published Aug. 12, 1941.
Textile fabrics in the piece. Sylvania Industrial Corporation. 391,215; Oct. 28; Serial No. 443,350; published Aug. 12, 1941.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 28TH DAY OF OCTOBER, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Frey, Frederick E., Bartlesville, Okla., and W. F. Huppke, Lomita, Calif., assignors to Phillips Petroleum Company, Bartlesville, Okla. Processes for converting hydrocarbons. Re. 21,932; Oct. 28.

Fuel Refining Corporation. (See Otto, Carl, assignor.)

Huppke, Walter F. (See Frey, F. E., and Huppke.)

Otto, Carl, New York, N. Y., assignor to Fuel Refining Corporation, Dover, Del. Underfired coke ovens. Re. 21,933; Oct. 28.

Phillips Petroleum Company. (See Frey. F. E., and Huppke, assignors.)

LIST OF DESIGN PATENTEES

Allen, Maurice F., Elgin, Ill. Motorcycle bag. 130,147; Oct. 28.

Asteroff, Leah, New York, N. Y. Dress. 130,208; Oct. 28.

Atlas Supply Company. (See Kolseth, John H., assignor.)

Bailey-Walker China Co., The. (See Walker, Albert M., assignor.)

Bauer, Eddie, Seattle, Wash. Trousers. 130,166; Oct. 28.

Bauer, Eddie, Seattle, Wash. Parka jacket. 130,167; Oct. 28.

Bayor, Helen, New York, N. Y. Dress. 130,185; Oct. 28.

Bechtol, Archie H., Daytona Beach, Fla. Game cabinet. 130,113; Oct. 28.

Berger, Arthur, New York, N. Y. Man's sleeping robe. 130,209; Oct. 28.

Berger, Arthur, New York, N. Y. Man's sleeping robe. 130,210; Oct. 28.

Bloom, Grace, New York, N. Y. Mah jong coin indicator or similar article. 130,114; Oct. 28.

Braun, George, Jr., Sappington, Mo. Illuminable whatnot. 130,115; Oct. 28.

Brucato, Marie, New York, N. Y. Dress. 130,186; Oct. 28.

Brucato, Marie, New York, N. Y. Dress. 130,187; Oct. 28.

Brucato, Marie, New York, N. Y. Dress. 130,188; Oct. 28.

Burke & James, Inc. (See Drucker, Harry S., assignor.)

Carlson, Joseph J., New York, N. Y. Rimless spectacle. 130,116; Oct. 28.

Champion Aviation Products Company. (See Hodges, Vera C.)

Cohn & Rosenberger, Inc. (See Verrecchio, Gene, assignor.)

De Witt, Clarence N., North Hollywood, Calif. Game board. 130,117; Oct. 28.

Doner, Halbert C., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Chair. 130,118; Oct. 28.

Dow, Alden B., Midland, Mich. Playing card. 130,119; Oct. 28.

Drucker, Harry S., New York, N. Y., assignor to Burke & James, Inc., Chicago, Ill. Camera. 130,120; Oct. 28.

Drucker, Harry S., New York, N. Y., assignor to Burke & James, Inc., Chicago, Ill. Camera. 130,121; Oct. 28.

Eastman Kodak Company. (See Hughey, Carter J., assignor.)

Engert, Harry, Chicago, Ill. Latch. 130,122; Oct. 28.

Fracchia, Pauline, New York, N. Y. Dress. 130,177; Oct. 28.

Fracchia, Pauline, New York, N. Y. Dress. 130,178; Oct. 28.

Fracchia, Pauline, New York, N. Y. Dress. 130,189; Oct. 28.

Fracchia, Pauline, New York, N. Y. Dress. 130,190; Oct. 28.

Fracchia, Pauline, New York, N. Y. Dress. 130,191; Oct. 28.

Fracchia, Pauline, New York, N. Y. Dress. 130,192; Oct. 28.

Fracchia, Pauline, New York, N. Y. Dress. 130,193; Oct. 28.

Fracchia, Pauline, New York, N. Y. Dress. 130,211; Oct. 28.

Gas Products Corporation. (See Parker, Claude E., assignor.)

General Motors Corporation. (See Loewy, Raymond, assignor.)

Goldman, Jack, New York, N. Y. Dress. 130,179; Oct. 28.

Grimes, Thomas, Santa Barbara, Calif. Display plate for an automobile. 130,123; Oct. 28.

Hanrahan, William I., New York, N. Y., assignor to The Petroleum Iron Works Company of Ohio, Petroleum, Ohio. Barrel. 130,148; Oct. 28.

Hart, Edward, Portland, Ore. Rally stick. 130,124; Oct. 28.

Hartsock, Asa L., Oakland, Calif. Pack frame. 130,180; Oct. 28.

Hartsock, Asa J., Oakland, Calif. Pack frame. 130,181; Oct. 28.

Hat Corporation of America. (See Maxwell, P. M., and Lundberg, assignors.)

Hat Corporation of America. (See Maxwell, P. M., and Russy, assignors.)

Heims, Lillian, New York, N. Y. Dress. 130,194; Oct. 28.

Heims, Lillian, New York, N. Y. Dress. 130,195; Oct. 28.

Heims, Lillian, New York, N. Y. Dress. 130,212; Oct. 28.

Heims, Lillian, New York, N. Y. Dress. 130,213; Oct. 28.

Heims, Lillian, New York, N. Y. Dress. 130,214; Oct. 28.

Heims, Lillian, New York, N. Y. Dress. 130,215; Oct. 28.

Heims, Lillian, New York, N. Y. Dress. 130,216; Oct. 28.

Hinckley-Myers Company. (See MacMillan, Charles W., assignor.)

Hodges, Vera C., assignor to H. P. Lester, T. B. Smallwood and V. C. Hodges, doing business as Champion Aviation Products Company, Los Angeles, Calif. Mounting bracket for an aircraft generator. 130,168; Oct. 28.

Horix, Carl, Chicago, Ill. Cheese server or analogous article. 130,125; Oct. 28.

Hoshafian, Lucy, New York, N. Y. Dress. 130,196; Oct. 28.

Hoshafian, Lucy, New York, N. Y. Dress. 130,197; Oct. 28.

Hughey, Carter J., assignor to Eastman Kodak Company, Rochester, N. Y. Film clip. 130,198; Oct. 28.

Kolseth, John H., assignor to Atlas Supply Company, Newark, N. J. Battery charger case. 130,149; Oct. 28.

Kulick, Abraham, New York, N. Y. Handbag. 130,150; Oct. 28.

Lane, Guy M. (See Mackey, H. W., and Lane.)

Lester, H. P., et al. (See Hodges, Vera C., assignor.)

Lewis, Florence N., New York, N. Y. Compact. 130,169; Oct. 28.

Libbey-Owens-Ford Glass Company. (See Doner, Halbert C., assignor.)

Loewy, Raymond, New York, N. Y., assignor to General Motors Corporation, Dayton, Ohio. Refrigerator cabinet. 130,126; Oct. 28.

Ludwig, Louis, Brooklyn, N. Y. Bed lamp. 130,127; Oct. 28.

Lundberg, Esther. (See Maxwell, P. M., and Lundberg.)

Mackey, Henry W., and G. M. Lane, Detroit, Mich. Electric fan. 130,128; Oct. 28.

MacMillan, Charles W., assignor to Hinckley-Myers Company, Jackson, Mich. Combined work bench and cabinet or similar article. 130,129; Oct. 28.

Mamlok, Hans J., New York, N. Y.; Margaret Mamlok, executrix of said H. J. Mamlok. Combined bottle, closure cap and applicator. 130,199; Oct. 28.

Mamlok, Margaret, executrix. (See Mamlok, Hans J.)

Marder, Leo, Brooklyn, N. Y. Frame for a hand mirror or similar article. 130,170; Oct. 28.

Maxwell, Paul M., Manhasset, N. Y., and W. J. Russy, Jersey City, N. J., assignors to Hat Corporation of America, Norwalk, Conn. Hat. 130,151; Oct. 28.

Maxwell, Paul M., Manhasset, and E. Lundberg, New York, N. Y., assignors to Hat Corporation of America, Norwalk, Conn. Hat. 130,152; Oct. 28.

Maxwell, Paul M., Manhasset, N. Y., and W. J. Russy, Jersey City, N. J., assignors to Hat Corporation of America, Norwalk, Conn. Hat. 130,182; Oct. 28.

Maxwell, Paul M., Manhasset, N. Y., and W. J. Russy, Jersey City, N. J., assignors to Hat Corporation of America, Norwalk, Conn. Hat. 130,183; Oct. 28.

Maxwell, Paul M., Manhasset, and E. Lundberg, New York, N. Y., assignors to Hat Corporation of America, Norwalk, Conn. Hat. 130,200; Oct. 28.

Mayehoff, Delmar, New York, N. Y. Dress ensemble. 130,201; Oct. 28.

McCoy, Orlando Z., Cleveland, Ohio. Pipe bowl cleaner. 130,153; Oct. 28.

Meier, John H., Jr., Pittsburgh, Pa. Glass vial. 130,171; Oct. 28.

Mihalyi, Joseph, Rochester, N. Y., and W. D. Teague, Annandale, N. J. Camera. 130,202; Oct. 28.

Miller, Walter C., Abington, assignor to Quaker Lace Company, Incorporated, Philadelphia, Pa. Lace tablecloth. 130,172; Oct. 28.

Miller, Walter C., Abington, assignor to Quaker Lace Company, Incorporated, Philadelphia, Pa. Lace tablecloth. 130,173; Oct. 28.

Mir, David, New York, N. Y. Brooch or similar article. 130,154; Oct. 28.

Monedero, Ramiro, San Salvador, El Salvador. Badge or the like. 130,207; Oct. 28.
Parfums, Romance, Inc. (See Sang, Felix, assignor.)
Parker, Claude E., assignor to Gas Products Corporation, Chicago, Ill. Broiler. 130,155; Oct. 28.
Parsons, Philip D., Swarthmore, assignor to Scott Paper Company, Chester, Pa. Pedestal cabinet. 130,130; Oct. 28.
Peck, William F., Snyder, assignor to Spencer Lens Company, Buffalo, N. Y. Micro-projector. 130,203; Oct. 28.
Perrin, Paul C., Pittsburgh, Pa. Case for ear protectors or other articles. 130,156; Oct. 28.
Petroleum Iron Works Company of Ohio, The. (See Hanrahan, William I., assignor.)
Pfleger, Robert E., Cleveland, Ohio. Combination coin bank and picture frame or similar article. 130,131; Oct. 28.
Philippe, Alfred, New York, N. Y. Earring or similar article. 130,132; Oct. 28.
Philippe, Alfred, New York, N. Y. Pin clip. 130,133; Oct. 28.
Philippe, Alfred, New York, N. Y. Pin clip. 130,134; Oct. 28.
Philippe, Alfred, New York, N. Y. Pin clip. 130,135; Oct. 28.
Philippe, Alfred, New York, N. Y. Pin clip. 130,136; Oct. 28.
Philippe, Alfred, New York, N. Y. Pin clip. 130,137; Oct. 28.
Quaker Lace Company. (See Miller, Walter C., assignor.)
Regelmann, William, Cranston, R. I. Jewelry finding. 130,184; Oct. 28.
Rigney, William H., La Fayette, R. I. Textile fabric. 130,174; Oct. 28.
Rosenberg, Morris, Brooklyn, N. Y. Lingerie buckle. 130,138; Oct. 28.
Rosenbloom, Irving, New York, N. Y. Food grater. 130,139; Oct. 28.
Rosenblum, Benjamin W., New York, N. Y. Textile fabric. 130,140; Oct. 28.
Russy, Wilhelmina J. (See Maxwell, P. M., and Russy.)
Sang, Felix, assignor to Parfums Romance, Inc., New York, N. Y. Combined bottle, pedestal and cover therefor. 130,157; Oct. 28.
Scherr, George, Brooklyn, N. Y. Magnifier apparatus. 130,204; Oct. 28.
Schmid, Carl J., New York, N. Y. Enclosure for sanitary rolled rubber goods. 130,175; Oct 28.
Schrayshuen, Carl, Providence, R. I. Jewelry finding. 130,141; Oct. 28.
Scott Paper Company. (See Parsons, Philip D., assignor.)
Shane, Norman A., Evansville, Ind. Combination uniform dress. 130,158; Oct. 28.
Silson, Jack, New York, N. Y. Brooch or similar article. 130,159; Oct. 28.
Simon, Elizabeth Y., New York, N. Y. Combined hat and hair roll. 130,160; Oct. 28.
Simplicity Manufacturing Company. (See Stevens, Clifford B., assignor.)
Smallwood, Thomas B., et al. (See Hodges, Vera C., assignor.)
Spencer Lens Company. (See Peck, William F., assignor.)
Stauffer, Bernard H., Los Angeles, Calif. Physio-therapy stretching table. 130,142; Oct. 28.
Stevens, Clifford B., Milwaukee, assignor to Simplicity Manufacturing Company, Port Washington, Wis. Electric fence controller cabinet. 130,161; Oct. 28.
Sutcliffe, Harry L., New York, N. Y. Shoe. 130,143; Oct. 28.
Teague, Walter D. (See Mihalyi, J., and Teague.)
Turpan, Mark, West Englewood, N. J. Textile fabric or similar article. 130,176; Oct. 28.
Van Wormer, Frank B., Niles, Ill. Douche. 130,162; Oct. 28.
Verrecchio, Gene, Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y. Separable brooch or similar article. 130,144; Oct. 28.
Von Meissner, Leonore, New York, N. Y. Translucent darner. 130,145; Oct. 28.
Walker, Albert M., Akron, assignor to The Bailey-Walker China Co., Bedford, Ohio. Plate or similar article. 130,146; Oct. 28.
Whitehouse, Herbert G., East Orange, N. J. Shoe bow or similar article. 130,205; Oct. 28.
Wise Effie L., Durand, Ill. Petal confection basket. 130,163; Oct. 28.
Wise, Effie L., Durand, Ill. Rose confection basket. 130,164; Oct. 28.
Wolf, Simon P., Philadelphia, Pa. Combined wallet and card holder. 130,165; Oct. 28.
Wood, Paule, New York, N. Y. Dress. 130,217; Oct. 28.
Wood, Paule, New York, N. Y. Dress. 130,218; Oct. 28.
Zahn, Samuel, New York, N. Y. Dress. 130,206; Oct. 28.
Zahn, Samuel, New York, N. Y. Dress. 130,219; Oct. 28.
Zahn, Samuel, New York, N. Y. Dress. 130,220; Oct. 28.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 28TH DAY OF OCTOBER, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A. B. T. Manufacturing Corp. (See Grunig, Bernhard C., assignor.)
Accessories Corporation. (See Wicks, John D., assignor.)
Adams, Douglas, Menard, Ill. Barber's shingling clipper. 2,260,285; Oct. 28.
Albin, Alonzo E., Freeport, N. Y., assignor to Bemis Bro. Bag Company, St. Louis, Mo. Manufacturing fabric tubing. 2,260,816; Oct. 28.
All-Steel-Equip Company. (See Hinchman, Ralph F., assignor.)
Allan, Edwin, Spencerport, N. Y. Apparatus for treating vegetables with hot water and steam. 2,260,286; Oct. 28.
Allen-Bradley Company. (See Wilms, Gustav O., assignor.)
Allen, Joan M., Toronto, Ontario, Canada, assignor to Scott & Williams, Incorporated, Laconia, N. H. Hosiery and manufacture. 2,260,650; Oct. 28.
Allen, Thomas F., Watsonville, Calif. Basket tipping apparatus. 2,260,697; Oct. 28.
Allied Products, Inc. (See Johnson, Clifford M., assignor.)
American Buckle Company, The. (See Hodge, Robert J., assignor.)
American Cyanamid Company. (See Ham, Garnet P., assignor.)
American Cyanamid Company. (See Roblin, Richard O., Jr., assignor.)
American Ozone Company. (See Daily, James M., assignor.)
American Rayon Company. (See Furness, William H., assignor.)
American Smelting and Refining Company. (See Di Santo, Bartel, assignor.)
American Steel and Wire Company of New Jersey, The. (See Horwedel, Charles R., assignor.)
American Steel and Wire Company of New Jersey, The. (See Milliard, Maxwell D. V., assignor.)
American Steel and Wire Company of New Jersey, The. (See Wilkoff, Howard M., assignor.)
AmpereX Electronic Products, Inc. (See Senauke, Alexander, assignor.)
Anderson, Austin E., assignor to Anderson Milker Co., Inc., Jamestown, N. Y. Cattle drinking bowl. 2,260,817; Oct. 28.
Anderson, Bryan, Billings, Mont. Electrical appliance cord holder. 2,261,046; Oct. 28.
Anderson, Emar, North Attleboro, Mass. Powder container. 2,260,764; Oct. 28.
Anderson, Herbert W. and P. R., Chesterton, Ind., assignors to O. A. Reinhold, Flossmoor, Ill. Utility table. 2,260,732; Oct. 28.
Anderson Milker Co. (See Anderson, Austin E., assignor.)
Anderson, Phillip R. (See Anderson, Herbert W. and P. R.)
Anfenger, Maximilian B., assignor to Standard Oil Company of California, San Francisco, Calif. Apparatus for extinguishing oil fires. 2,260,733; Oct. 28.
Annen, James E., Kalamazoo, Mich., assignor, by mesne assignments, of one-half to K. Stuart, and one-half to E. R. B. Stuart, Menasha, Wis. Reinforced paper disk. 2,260,651; Oct. 28.
Ansbacher Siegle Corporation. (See Thomasset, Paul A., assignor.)
Appleton, Leila H., administratrix. (See Appleton, Royal C., assignor.)
Appleton, Royal C., Brockton, Mass., deceased; L. H. Appleton, administratrix. Last and making. 2,261,012; Oct. 28.
Armstrong Cork Company. (See Hartman, Samuel H., assignor.)
Arterton, Alfred W., and F. F. Stange, assignors to Foster Machine Company, Westfield, Mass. Winding machine. 2,260,818; Oct. 28.
Ashley, Arthur W., Houston, Tex. Wooden tank. 2,260,652; Oct. 28.
Asseff, Peter A., Cleveland, assignor to The Lubri-Zol Corporation, Wickliffe, Ohio. Lubricant. 2,261,047; Oct. 28.
Associated Electric Laboratories, Inc. (See Gilman, Turner W., assignor.)
Atlas Press Company. (See Musselman, Henry E., assignor.)
Atlee, Zed J., Elmhurst, assignor to General Electric X-Ray Corporation, Chicago, Ill. Getter. 2,260,927; Oct. 28.
Auditore, John C., Brooklyn, N. Y. Paste tube closure. 2,260,763; Oct. 28.
Autographic Register Company. (See Borchers, William G., assignor.)
Autographic Register Company. (See Brenn, Carl W., assignor.)
Automatic Telephone & Electric Company. (See Terroni, Teseo B. D., assignor.)
Automotive Maintenance Machinery Co. (See Zimmerman, Herman W., assignor.)
Avex Limited. (See May, Jack, assignor.)
Avey Drilling Machine Company, The. (See McKee, George K., assignor.)
Badrutt, Hans, Detroit, Mich. Window. 2,260,653; Oct. 28.
Bailey, Perkins H., New York, N. Y., assignor to Talon, Inc. Jacket. 2,260,426; Oct. 28.
Bailey, Perkins H., New York, N. Y., assignor to Talon, Inc. Convertible jacket. 2,260,427; Oct. 28.
Baker, Robert E., assignor to Glascock Brothers Mfg. Co., Muncie, Ind. Bottled beverage vending machine. 2,260,734; Oct. 28.
Balassa, Ladislaus, Flint, Mich., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating composition. 2,260,819; Oct. 28.
Baldwin, Charles C., St. Louis, Mo. Match book. 2,260,359; Oct. 28.
Barcunshell Corporation. (See Cunningham, M. M., and Barner, assignors.)
Barlow, Benjamin W. (See Halford, F. B., and Barlow.)
Barner, Lawrence D. (See Cunningham, M. M., and Barner.)
Barnett, Mark, Whiting, Ind. Spoon. 2,260,654; Oct. 28.
Barr, Francis A., Bayonne, N. J. Time controlled annunciator. 2,260,655; Oct. 28.
Barr, James M., Medford, and T. F. Smallcomb, South Boston, assignors to Worcester Paper Box Corporation, Medford, Mass. Display carton. 2,260,426; Oct. 28.
Barr, James R., Pittsfield, Mass., assignor to General Electric Company. Rotary liquid seal. 2,260,820; Oct. 28.
Barrett, Edward L., La Grange, assignor to Utah Radio Products Company, Chicago, Ill. Radio tuner. 2,260,429; Oct. 28.
Barrett, Edward R., assignor to Gar Wood Industries, Inc., Detroit, Mich. Counterbalanced tail gate. 2,260,504; Oct. 28.
Barry, Robert L., Downers Grove, assignor to Goodman Manufacturing Company, Chicago, Ill. Mine locomotive. 2,260,360; Oct. 28.
Bartlett, Arthur E., Haddonfield, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating composition. 2,260,880; Oct. 28.
Baxter, John C. (See Huber, J. Y., Jr., and Baxter.)
Beattie, Walter R., Milwaukie, Oreg. Light directing device. 2,260,597; Oct. 28.
Beaver, William G., Birkdale, England. Keyboard for pianofortes and other instruments with similar keyboards. 2,260,984; Oct. 28.
Beck, Edwin S., Clifton, N. J., assignor to Ben Day, Inc., New York, N. Y. Inking roller. 2,261,081; Oct. 28.
Beck, Koller & Company. (See Hovey, A. G., and Hodgins, assignors.)
Beckwith Manufacturing Company. (See Heaton, Walter H., assignor.)
Beckwith, Wendell K., Shorewood, assignor to Milwaukee Electric Tool Corporation, Milwaukee, Wis. Nut runner attachment. 2,260,598; Oct. 28.
Beckwith, Wendell K. (See Siebert, A. F., and Beckwith.)
Bee, Sophie, Edgewater, N. J. Toy bank. 2,260,768; Oct. 28.
Beebout, Carl A., Chicago, Ill. Hand truck. 2,260,698; Oct. 28.
Beeson, Clifford, assignor of one-half to J. F. Combes, Fossil, Oreg. Hitch. 2,260,550; Oct. 28.
Beier, Helmut, assignor to Deutsche Gold und Silber Scheideanstadt, Frankfort-on-the-Main, Germany. Recovery of hydrocyanic acid. 2,260,881; Oct. 28.
Belcher, Harold J., Algiers, La. Sash balance. 2,260,965; Oct. 28.
Bell, David B., Long Beach, assignor to K. F. Lee, as trustee, Los Angeles, Calif. Exhaust port liner. 2,260,656; Oct. 28.
Bell Telephone Laboratories, Incorporated. (See Christopher, A. J., and Webb, assignors.)
Bell Telephone Laboratories, Incorporated. (See Fair, Irvin E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Gray, Frank, assignor.)
Bell Telephone Laboratories, Incorporated. (See Hecht, George, assignor.)
Bell Telephone Laboratories, Incorporated. (See Henning, Harley A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hersey, Ralph E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Low, Frank K., assignor.)

Bell Telephone Laboratories, Incorporated. (See Stillwell, Albert L., assignor.)
Bemis Bro. Bag Company. (See Albin, Alonzo E., assignor.)
Bendix Aviation Corporation. (See Bjong, Leo V., assignor.)
Bendix Aviation Corporation. (See Elkin, Manuel H., assignor.)
Bendix Aviation Corporation. (See Frei, J. R., and Pross, assignors.)
Bendix Aviation Corporation. (See Schwenn, Kurt R. H., assignor.)
Bendle, Earl, Richmond, Va. Journal box packing retainer. 2,260,765; Oct. 28.
Bendy, Wilfred R., Seattle, Wash. Gas analysis method and apparatus. 2,260,821; Oct. 28.
Benjamin, Clarence F., Devon, Conn. Folding chair. 2,260,735; Oct. 28.
Benton, Harold Z., Glencoe, and L. P. Morris, assignors to Crowe Name Plate and Manufacturing Co., Chicago, Ill. Radio tuning apparatus. 2,260,599; Oct. 28.
Benton, Harold Z., Glencoe, assignor to Crowe Name Plate & Manufacturing Co., Chicago, Ill. Road light. 2,260,736; Oct. 28.
Benton, Harold Z., Glencoe, and L. P. Morris, assignors to Crowe Name Plate & Manufacturing Co., Chicago, Ill. Radio control device. 2,260,985; Oct. 28.
Berby, Ola L., assignor to Clyde Iron Works, Duluth, Minn. Builder's tower. 2,261,013; Oct. 28.
Berg, Elmer G., assignor of forty per cent to R. Hoffman, Chicago, Ill. Wall protective coating. 2,260,882; Oct. 28.
Berg, Louis B., assignor to Borg-Warner Corporation, Chicago, Ill. Agitator. 2,260,822; Oct. 28.
Bergen Plastics, Incorporated. (See Thompson, H. C., and De Stefano, assignors.)
Bergtholdt, George C., Jr., assignor to Webster Engineering Company, Tulsa, Okla. Safety pilot. 2,260,737; Oct. 28.
Berhenke, Luther F., and R. B. Du Vall, assignors to The Dow Chemical Company, Midland, Mich. Manufacture of crystalline glycollic acid. 2,260,738; Oct. 28.
Bernard, David G., assignor to The Goss Printing Press Company, Chicago, Ill. Web roll feeding mechanism. 2,261,014; Oct. 28.
Bettis, Edward S., Greenville, Ill., assignor to Pet Milk Company, St. Louis, Mo. Irradiating method. 2,260,823; Oct. 28.
Betz, William G., Chicago, Ill., assignor to Pratt, Read & Company, Ivoryton, Conn. Piano action. 2,260,287; Oct. 28.
Bigelow-Sanford Carpet Co. (See Reinhardt, Henry A., assignor.)
Bird & Son, Inc. (See Phillips, Stanley S., assignor.)
Bixby, Kenneth R., Canton, Ill. Electric welding apparatus. 2,260,928; Oct. 28.
Bjong, Leo V., Wood-Ridge, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Vaporproof manifold pressure gauge. 2,260,766; Oct. 28.
Black, Bruce H., Gary, and C. A. Motz, Hammond, Ind. Nail pulling machine. 2,260,767; Oct. 28.
Black, Lester G., Cleveland, Ohio. Drill for penetrating hard metals. 2,260,288; Oct. 28.
Blackburn, George F. (See Peters, M. F., and Blackburn.)
Blackburn, George, and Sons Limited. (See Start, Harry and E., assignors.)
Blair, Charles M. (See Carruthers, T. F., and Blair.)
Blaney, Arthur C., Los Angeles, Calif., assignor to Radio Corporation of America. Making sound records. 2,260,699; Oct. 28.
Blasingame, James, assignor of one-half to R. M. Unland, Joplin, Mo. Funnel. 2,260,430; Oct. 28.
Bliss, Harold N., and G. E. Fenton, assignors to Morse Chain Company, Ithaca, N. Y. Feeding apparatus. 2,260,824; Oct. 28.
Blood, Howard E., Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Refrigerating apparatus. 2,260,825; Oct. 28.
Bloom, Gertrude and I., New York, N. Y. Glove holder. 2,260,700; Oct. 28.
Bloom, Israel. (See Bloom, Gertrude and I.)
Bloore, Ernest J., assignor to Copeland-Chatterson Limited, Brampton, Ontario, Canada. Loose-leaf binder. 2,260,929; Oct. 28.
Bloore, Ernest J. (See Copeland, R. J., and Bloore.)
Bobst, Charles P., Anamosa, Iowa. Cover or lid fastener. 2,261,048; Oct. 28.
Boeckeler, Benjamin C., New York, N. Y. Pump. 2,260,600; Oct. 28.
Bohnsack, John A., Cleveland Heights, assignor to The E. F. Hauserman Company, Cleveland, Ohio. Metallic partition structure. 2,260,657; Oct. 28.
Bokum, William F., Jenkintown, assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Voluminal compensator for the hoppers of weighing feeders. 2,261,049; Oct. 28.
Bond, Donald S., Philadelphia, Pa., assignor to Radio Corporation of America. Constant frequency power supply system. 2,260,930; Oct. 28.
Bond, Donald S., Philadelphia, Pa., and F. L. Moseley, Chevy Chase, Md.; said Bond assignor to Radio Corporation of America, and said Moseley assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Constant frequency power supply system. 2,260,931; Oct. 28.
Bonham, Llewellyn, Oxford, Ohio. Stoker shear pin alarm. 2,260,709; Oct. 28.
Boni, Albert, and G. Goldberg, assignors to Readex Microprint Corporation, New York, N. Y. Projection apparatus. 2,260,551; Oct. 28.
Boni, Albert, New York, N. Y., and L. L. Richardson, Darien, Conn., assignors to Readex Microprint Corporation, New York, N. Y. Projection apparatus. 2,260,552; Oct. 28.
Bonsall, Charles D., Pittsburgh, Pa., assignor to Standard Railway Devices Company, Chicago, Ill. Refrigerator car. 2,260,505; Oct. 28.
Booge, James E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing improved pigment materials. 2,260,826; Oct. 28.
Booker, Eugene R., San Jose, Calif. Calculating machine. 2,260,827; Oct. 28.
Boothby, Walter M., A. H. Bulbulian, and W. R. Lovelace, Rochester, Minn. Oronasal mask. 2,260,701; Oct. 28.
Borchers, William G., assignor to Autographic Register Company, Hoboken, N. J. Manifolding register. 2,261,082; Oct. 28.
Borg-Warner Corporation. (See Berg, Louis B., assignor.)
Borg-Warner Corporation. (See Blood, Howard E., assignor.)
Borg-Warner Corporation. (See Bush, Theodore R., assignor.)
Borg-Warner Corporation. (See Orr, Palmer, assignor.)
Borg-Warner Corporation. (See Ruesenberg, Carl A., assignor.)
Borg-Warner Corporation. (See Voytech, Charles F., assignor.)
Böttner, Carl, assignor to Maybach-Motorenbau G. m. b. H., Friedrichshafen, Germany. Clutch operating device for motor vehicles. 2,260,280; Oct. 28.
Bour, Robert C., assignor to Ditto, Incorporated, Chicago, Ill. Hectograph blanket having an acidic bonding agent. 2,260,506; Oct. 28.
Bowers, Frederick M., Chester, Pa. Filter glass holder. 2,260,849; Oct. 28.
Boyd, Cecil A., Rochester, assignor to Briggs Manufacturing Company, Detroit, Mich. Upholstery machine. 2,260,361; Oct. 28.
Boyd, Donald L., Huntington, W. Va., assignor to Carb-O-Spot Corporation, Athens, Ohio. Press for printing spots of wax carbon on paper. 2,260,553; Oct. 28.
Boyd, Donald L., Huntington, W. Va., assignor to Carb-O-Spot Corporation, Athens, Ohio. Cutting stencils. 2,260,554; Oct. 28.
Brady, John B. (See Halstead, William S., assignor.)
Brady, Raymond F., Merchantville, and P. Weathers, Audubon, N. J., assignors to Radio Corporation of America. Phonographic apparatus. 2,260,289; Oct. 28.
Brake Equipment & Supply Co. (See Pratt, Best, assignor.)
Brasseur, Donat, assignor of thirty-five per cent to W. J. Henderson, Windsor, Ontario, Canada. Carbureting device. 2,260,431; Oct. 28.
Brazier, Leslie G., and D. T. Hollingsworth, assignors to Callender's Cable & Construction Company Limited, London, England. Joint for electric cables. 2,260,850; Oct. 28.
Breese, James L., assignor to Oil Devices, Santa Fe, N. Mex. Liquid hydrocarbon burner with pilot chambers. 2,260,555; Oct. 28.
Brenn, Carl W., Montclair, assignor to Autographic Register Company, Hoboken, N. J. Manifolding. 2,260,601; Oct. 28.
Brenn, Carl W., Montclair, assignor to Autographic Register Company, Hoboken, N. J. Manifolding. 2,260,602; Oct. 28.
Brie, Reginald A. C., Strawberry Hill, Twickenham, England. Undercarriage for aircraft. 2,260,290; Oct. 28.
Briggs Manufacturing Company. (See Boyd, Cecil A., assignor.)
Britten, Edwin F., Jr., Short Hills, assignor to Monroe Calculating Machine Company, Orange, N. J. Calculating machine. 2,260,291; Oct. 28.
Britton, Edgar C., and J. E. Livak, assignors to The Dow Chemical Company, Midland, Mich. Substituted dihydroxy-diphenyls. 2,260,739; Oct. 28.
Broche, Hans. (See Pott, A., and Broche.)
Brody, Samuel C., Brighton, Mass. Soldering iron. 2,261,015; Oct. 28.
Brown, Andrew, and T. A. Marshall, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Railway signaling system. 2,260,292; Oct. 28.
Brown Instrument Company, The. (See Harrison, Thomas R., assignor.)
Brown Instrument Company, The. (See Jones, Harry S., assignor.)
Brown, Jesse J., Syracuse, N. Y. Hydraulic suction dredge. 2,260,293; Oct. 28.
Brown, Samuel P., Maplewood, N. J., assignor to Delehanty Institute, Inc., New York, N. Y. Testing apparatus. 2,260,432; Oct. 28.
Brown and Sharpe Manufacturing Company. (See Coffin, E. E., and Krause, assignors.)
Brown, Simon P., New York, N. Y. Display rack. 2,260,294; Oct. 28.
Brownlee, Robert L., Chicago, Ill. Clutch. 2,260,770; Oct. 28.

Brüche, Ernst, Berlin-Reinickendorf, Germany, assignor to General Electric Company. Electron lens for electric discharge tubes. 2,260,851; Oct. 28.
Brundage, James W., assignor to Summit Mold and Machine Company, Akron, Ohio. Vulcanizer. 2,260,966; Oct. 28.
Bruson, Herman A., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Condensation products of acylated methylol phenols and resin acids. 2,260,556; Oct. 28.
Bruson, Herman A., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Complex quaternary ammonium salt. 2,260,967; Oct. 28.
Buccicone, Dario, and C. M. Shank, Gary, Ind. Magnetic switch. 2,260,771; Oct. 28.
Buchmann, Louis, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner motor. 2,260,852; Oct. 28.
Buckley Music System, Inc. (See Henry, Earle G., assignor.)
Buckley, Warren. (See Kolts, Tennies F., assignor.)
Budd, Edward G., Manufacturing Co. (See Ledwinka, Joseph, assignor.)
Budwig, Gilbert G., Glendale, assignor to Clayton Manufacturing Company, Alhambra, Calif. Method and apparatus for forming sprays. 2,260,603; Oct. 28.
Buess, Alfred. (See Cuendet, Maurice, assignor.)
Bulbulian, Arthur H. (See Boothby, W. M., Bulbulian, and Lovelace.)
Burger, Frederick W., Niles, assignor to Clark Equipment Company, Buchanan, Mich. Wheel. 2,260,828; Oct. 28.
Burgman, Carl I. (See Levy, W. M., and Burgman.)
Burns, Bruce, Santa Monica, assignor to Salsbury Corporation, Inglewood, Calif. Automatic power transmission means. 2,260,795; Oct. 28.
Burns, Bruce, Santa Monica, assignor to Salsbury Corporation, Inglewood, Calif. Automatic clutch for motor vehicles. 2,260,796; Oct. 28.
Burns, Bruce, Santa Monica, assignor to Salsbury Corporation, Inglewood, Calif. Motor vehicle with starting clutch. 2,260,797; Oct. 28.
Burns, Bruce, Santa Monica, assignor to Salsbury Corporation, Inglewood, Calif. Motor vehicle with automatic main clutch and automatic transmission. 2,260,798; Oct. 28.
Burton, John O., International Falls, Minn., assignor, by mesne assignments, to Minnesota and Ontario Paper Company. Making low density water resisting fibrous products. 2,260,557; Oct. 28.
Bush, Burton T., Inc. (See Valik, Ludwig, assignor.)
Bush, Milton T., Nashville, Tenn., assignor to Mallinckrodt Chemical Works, St. Louis, Mo. Making tertiary butyl malonic acid. 2,260,800; Oct. 28.
Bush, Theodore R., Royal Oak, Mich., assignor to Borg-Warner Corporation. Ironing apparatus. 2,260,799; Oct. 28.
Cadwell, Nathan, Port Huron, Mich. Unloading device. 2,260,433; Oct. 28.
Callender's Cable & Construction Company Limited. (See Brazier, L. G., and Hollingsworth, assignors.)
Callender's Cable & Construction Company Limited. (See Urmston, James, assignor.)
Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Air brake. 2,260,434; Oct. 28.
Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Lubricated piston for fluid pressure brakes. 2,260,435; Oct. 28.
Campbell, John, New York, N. Y. Ash receptacle. 2,260,507; Oct. 28.
Candy, Albert M. (See Crecca, J. D., Scott, and Candy.)
Carb-O-Spot Corporation. (See Boyd, Donald L., assignor.)
Carbide and Carbon Chemicals Corporation. (See Carruthers, T. F., and Blair, assignors.)
Carbide and Carbon Chemicals Corporation. (See Smith, Carlton N., assignor.)
Cardox Corporation. (See Caughey, C. H., and Mitcheltree, assignors.)
Cardox Corporation. (See Ensminger, H., and Caughey, assignors.)
Cardwell Manufacturing Company. (See Cardwell, Harland W., assignor.)
Cardwell, Harland W., assignor to Cardwell Manufacturing Company, Inc., Wichita, Kans. Well drilling machine. 2,260,604; Oct. 28.
Carleton, Emile J. (See Morin, G. G., and Carleton.)
Carlsen, Leopard O., assignor to Gleason Works, Rochester, N. Y. Method of and apparatus for cutting gears. 2,260,605; Oct. 28.
Carlson, Ellis F., Kenilworth, assignor of one-half to Oscar F. Carlson Company, and one-half to E. N. McDonnell, Chicago, Ill. Switch. 2,261,016; Oct. 28.
Carlson, Ellsworth E., Saratoga Springs, assignor to Van Raalte Company, New York, N. Y. Runproof or run-resistant flat-knit stocking and blank therefor, and making same. 2,260,362; Oct. 28.
Carlson, George, Bridgeport, Conn., assignor to General Electric Company. Box supporting device. 2,260,829; Oct. 28.
Carlson, Oscar F., et al. (See Carlson, Ellis F., assignor.)
Carney, Clifford R., Detroit, Mich. Automatic ice tray. 2,260,363; Oct. 28.
Carruthers, Thomas F., South Charleston, and Charles M. Blair, Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation. Plasticizer and plastic composition. 2,260,295; Oct. 28.
Carter Carburetor Corporation. (See Korte, A. C., and Lannert, assignors.)
Casco Products Corporation. (See Cohen, Joseph H., assignor.)
Case, Lynn B., assignor to John Waldron Corporation, New Brunswick, N. J. Ink distribution system. 2,260,364; Oct. 28.
Casey, Charles L., Chicago, Ill. Window ventilator. 2,260,281; Oct. 28.
Casey, James A., Wilkes-Barre, Pa. Furnace stoker. 2,261,050; Oct. 28.
Cassell, Perry E., and R. R. Meeker, McKean, Pa. Change speed transmission. 2,261,051; Oct. 28.
Cassidy, Joseph J. (See Healey, H., and Cassidy.)
Castle, Theodore M., Geneva, Ill. Angle gauge for printers' saws. 2,260,883; Oct. 28.
Caughey, Clarence H., Aurora, and W. F. Mitcheltree, Benton, assignors to Cardox Corporation, Chicago, Ill. Electrically ignited match heads and manufacturing the same. 2,260,558; Oct. 28.
Caughey, Clarence H. (See Ensminger, H., and Caughey.)
Celanese Corporation of America. (See Halin, Jules E., assignor.)
Celanese Corporation of America. (See Moss, William H., assignor.)
Chain Belt Company. (See Lind, Arthur C., assignor.)
Chambers, Bert C., Concord, Mass. Plant shield or shelter. 2,260,436; Oct. 28.
Chambers, Isaac M., Narberth, Pa. Springing for railway trucks. 2,260,508; Oct. 28.
Chambers, Laura, A., St. Louis, Mo. Seat cushion structure. 2,260,437; Oct. 28.
Chandler, Homer P., assignor to The Ohio Brass Company, Mansfield, Ohio. Combined mine drill and breaker. 2,261,017; Oct. 28.
Chandler & Price Company, The. (See Root Charles F., assignor.)
Chapman, Fred H., Pepperell, Mass., assignor to The International Paper Box Machine Company, Nashua, N. H. Machine for folding blanks. 2,261,018; Oct. 28.
Charmoy, Harry, Long Island City, N. Y., assignor to Hatfield Wire & Cable Co., Hillside, N. J. Electrical plug connector. 2,260,365; Oct. 28.
Chase Brass & Copper Co. Incorporated. (See McGar, Benjamin H., assignor.)
Cheeseman, Charles H. (See Putnam, D. F., Robbins, and Cheeseman.)
Cheney, Allan, Cynwyd, Pa. Waterproofed building construction. 2,260,438; Oct. 28.
Cherryfield Corporation, et al. (See Wallace, Archibald L., assignor.)
Chicago Metallic Manufacturing Company. (See Langel, Adrien L., assignor.)
Childs, William L., assignor to Reed Roller Bit Company, Houston, Tex. Reamer. 2,260,366; Oct. 28.
Chilton, Roland, Ridgewood, N. J. Regenerative transmission. 2,261,019; Oct. 28.
Chirelstein, Nathan, Maplewood, N. J. Attachment plug. 2,260,509; Oct. 28.
Christopher, Arthur J., Teaneck, and F. W. Webb, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical filter. 2,260,296; Oct. 28.
Chulick, John. (See Chulick, Mike and J.)
Chulick, Mike and J., Winters, Calif. Christmas tree holder. 2,260,932; Oct. 28.
Ciba Pharmaceutical Products, Incorporated. (See Miescher, K., and Wettstein, assignors.)
Cinema-Television Limited. (See Tingley, George R., assignor.)
Cities Service Oil Company. (See Engelke, Ernest F., assignor.)
Clapp, Edwin A., Niagara Falls, N. Y., assignor to The Linde Air Products Company. Automatic electric welding. 2,260,510, Oct. 28.
Clark Equipment Company. (See Burger, Frederick W., assignor.)
Clark Equipment Company. (See Dunham, Elmer J., assignor.)
Clark Equipment Company. (See Williams, Alfred O., assignor.)
Clark, Howard H., Detroit, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Coiled spring. 2,260,606; Oct. 28.
Clark, Sydney J. (See De Martis, H., and Clark.)
Clayton Manufacturing Company. (See Budwig, Gilbert G., assignor.)
Clemson Bros., Inc. (See Clemson, Richard D., assignor.)
Clemson, Richard D., assignor to Clemson Bros., Inc., Middletown, N. Y. Mower. 2,260,297; Oct. 28.
Clemson, Richard D., assignor to Clemson Bros., Inc., Middletown, N. Y. Mower. 2,260,801; Oct. 28.
Cleveland Patents, Inc. (See Weiss, Walter A., assignor.)

Cline, Allan J., Chicago, Ill. Start-up device for roll changers. 2,260,830; Oct. 28.
Clinton, Owen K., Pasadena, Calif. Shears. 2,250,884; Oct. 28.
Clothier, Stewart L., Irvington, and H. C. Hogencamp, Maplewood, assignors to Kolorama Laboratories, Inc., Newark, N. J. Television apparatus. 2,260,559; Oct. 28.
Clum Manufacturing Company. (See Neff, Lucius S., assignor.)
Clum Manufacturing Company. (See Winning, Robert K., assignor.)
Clyde Iron Works. (See Berby, Ola L., assignor.)
Coates, Alfred W., Bayonne, N. J., and R. Wilson, deceased, by E. Wilson, administratrix, Brooklyn, N. Y. Davit. 2,260,772; Oct. 28.
Coffin, Edward E., and A. L. Krause, Providence, R. I., assignors to Brown and Sharpe Manufacturing Company. Machine tool. 2,261,052; Oct. 28.
Cohen, Joseph H., assignor to Casco Products Corporation, Bridgeport, Conn. Fan mounting. 2,260,439; Oct. 28.
Coleman, Gefald H., and B. C. Hadler, assignors to The Dow Chemical Company, Midland, Mich. Aryloxy alkyl esters of cinnamic acid. 2,260,740; Oct. 28.
Coleman, John D., assignor to General Motors Corporation, Dayton, Ohio. Soldering flux. 2,260,986; Oct. 28.
Coleman, Marie, Haram Township, Bottineau County, N. Dak. Device for handling and suspending articles collectively. 2,260,560; Oct. 28.
Collins, Milford E., Los Angeles, Calif., assignor to Radio Corporation of America. Illumination determining system. 2,260,702; Oct. 28.
Columbus McKinnon Chain Corp. (See McKinnon, Archibald L., assignor.)
Columbus McKinnon Chain Corp. (See McKinnon, A. L., and Winter, assignors.)
Combes, Jack F. (See Beeson, Clifford, assignor.)
Coney, James D., assignor to Leonard A. Young, Detroit, Mich. Garment hanger. 2,260,607; Oct. 28.
Connors, Leonard F., Fall River, Mass. Signboard. 2,260,658; Oct. 28.
Conrad, Samuel L., Columbus, Ohio. Bathing and drying apparatus. 2,260,802; Oct. 28.
Cook, Oscar U., Birmingham, Ala. Finishing hot rolled bars. 2,260,773; Oct. 28.
Cooley, Austin G., assignor, by mesne assignments, to Times Telephoto Equipment Inc., New York, N. Y. Spacing control for telefacsimile systems and the like. 2,260,511; Oct. 28.
Cooper, Donald T., Philadelphia, Pa., assignor to Radio Corporation of America. Frequency meter. 2,260,933; Oct. 28.
Copeland-Chatterson Limited. (See Bloore, Ernest J., assignor.)
Copeland, Robert J., Toronto, Ontario, and E. J. Bloore, Brampton, Ontario, Canada; said Bloore assignor to said Copeland. Duplicating machine sheet feeding device. 2,260,659; Oct. 28.
Cordis, Nat, Los Angeles, Calif. Siphon bottle and cap. 2,260,968; Oct. 28.
Corduan, Gustav E. (See Corduan, Walter E. and G. E.)
Corduan Manufacturing Company. (See Corduan, Walter E. and G. E., assignors.)
Corduan, Walter E. and G. E., assignors to Corduan Manufacturing Company, Chicago, Ill. Table. 2,260,934; Oct. 28.
Cormack, Elbert M., Mount Healthy, assignor to The Crosley Corporation, Cincinnati, Ohio. Dehydrating refrigeration units. 2,260,608; Oct. 28.
Coventry Gauge & Tool Company Limited. (See Wainwright, John E., assignor.)
Cowling, Richard J., Teaneck, N. J., assignor to Joe Loewe Corporation, New York, N. Y. Method of and apparatus for making variegated frozen edible products. 2,260,298; Oct. 28.
Crabbe, Herbert J., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupting device. 2,261,020; Oct. 28.
Crankshaft Machine Company. (See Hunt, William D., assignor.)
Crawford, Harry J., Venice, Calif. Auxiliary carburetor control for internal combustion engines. 2,260,609; Oct. 28.
Crecca, John D., U. S. Navy, S. S. Scott, St. Albans, N. Y., and A. M. Candy, La Grange, Ill. End welding device. 2,260,969; Oct. 28.
Crede, Charles E., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Railway car end structure. 2,260,512; Oct. 28.
Crompton & Knowles Loom Works. (See Payne, Oscar V., assignor.)
Crompton & Knowles Loom Works. (See Turner, Richard G., assignor.)
Crosby, Wilton B., Barnstable, Mass. Mounting for fishing reels. 2,260,885; Oct. 28.
Crosley Corporation, The. (See Cormack, Elbert M., assignor.)
Crowe Name Plate & Manufacturing Co. (See Benton, Harold Z., assignor.)
Crowe Name Plate and Manufacturing Co. (See Benton, H. Z., and Morris, assignors.)
Crown Cork & Seal Company. (See Stewart, R. J., and Franz, assignors.)
Cuendet, Maurice, Renens, assignor of one-half to A. Buess, Lausanne, Switzerland. Photographic apparatus. 2,260,501; Oct. 28.
Cunningham, Harry G., Hollywood, and J. M. Willson, Burbank, Calif., assignors to Radio Keith Orpheum Corporation. Motion picture projector and control system therefor. 2,260,299; Oct. 28.
Cunningham, Marcus M., and L. D. Barner, Houston, Tex., assignors to Barcunshell Corporation. Liner packing. 2,260,440; Oct. 28.
Curtis, John C., and C. F. Osgood, Claremont, N. H., assignors to Sullivan Machinery Company. Pressure fluid motor. 2,260,300; Oct. 28.
Cushman, Lee H., Hamilton, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Fluid delivery device. 2,260,301; Oct. 28.
Daily, James M., assignor to American Ozone Company, Chicago, Ill. Electric ozone generator. 2,260,831; Oct. 28.
Daley, William A., assignor to The W. S. Gilkey Printing Company, Cleveland, Ohio. Loose-leaf holder. 2,260,886; Oct. 28.
Dalin, George A., assignor to Plax Corporation, Hartford, Conn. Forming films from cellulose derivatives. 2,260,741; Oct. 28.
Daly, Arthur J., New York, N. Y. Telephone receiver holder. 2,260,703; Oct. 28.
D'Arcy, George A., Newton, and J. R. Rabbitt, South Hanover, assignors to Rhode Island Humidifier & Ventilating Co., Boston, Mass. Humidifying head. 2,260,987; Oct. 28.
Darwin, Joseph A., East Orange, N. J. Slide changing apparatus. 2,260,660; Oct. 28.
Dasher, Don E., assignor to General Motors Corporation, Dayton, Ohio. Air conditioner. 2,260,887; Oct. 28.
Davies, Henry E., Hasbrouck Heights, assignor to Pollak Manufacturing Company, Arlington, N. J. Exhaust collector. 2,260,704; Oct. 28.
Davis, Max U. (See Wentworth, R., and Davis.)
Davis, Walwin L., Avon, Ohio. Pump. 2,260,888; Oct. 28.
Day, Ben, Inc. (See Beck, Edwin S., assignor.)
Day, Harry G., and W. E. Skinner, Minneapolis, Minn.; said Skinner, deceased, assignor by decree of court to E. C. Skinner. Smoke disposal and draft inducing apparatus for locomotives. 2,260,441; Oct. 28.
Delle, Hermann, Berlin-Karlshorst, Germany, assignor, by mesne assignments, to W. H. Duisberg, New York, N. Y. Manufacture of curled artificial fibers. 2,260,513; Oct. 28.
Deimel, Albert H. (See Peterson, C. D., and Deimel.)
Delehanty Institute, Inc. (See Brown, Samuel P., assignor.)
Dellert, William J. (See La Russa, A. A., Knell, and Dellert.)
Deluxe Products Corporation. (See Warner, George C., assignor.)
De Martis, Horace, and S. J. Clark, New Malden, England. Electrode for secondary batteries. 2,261,053; Oct. 28.
Denniston, Adolph L. (See Ostler, E. S., Denniston, and Richardson.)
Dersen, Heinrich, Krefeld, Germany. Cop frame. 2,260,988; Oct. 28.
De Stefano, Angelo. (See Thompson, H. C., and De Stefano.)
Detroit Hydrostatic Brake Corporation. (See Sauzedde, Claude, assignor.)
Deutsche Gold und Silber Scheideanstadt. (See Beier, Helmut, assignor.)
Deutscher, Samuel, Brooklyn, N. Y. Machine for making sandwiches. 2,260,832; Oct. 28.
Dewar, Reginald E. G., assignor to Electronic Devices Laboratory, Inc., Oakland, Calif. Toilet lamp and heater. 2,260,803; Oct. 28.
Dietrich, Randolph L., Los Angeles, Calif. Splay bead. 2,261,054; Oct. 28.
Dillon, Lyle, San Gabriel, assignor to Union Oil Company of California, Los Angeles, Calif. Process and apparatus for core sample orientation. 2,260,562; Oct. 28.
Di Lucci, Anthony J., assignor of one-half to S. J. Levy, Los Angeles, Calif. Ignition system. 2,260,610; Oct. 28.
Di Santo, Bartel J., Woodbridge, N. J., assignor to American Smelting and Refining Company, New York, N. Y. Material handling mechanism. 2,260,611; Oct. 28.
Ditto, Incorporated. (See Bour, Robert C., assignor.)
Ditto, Incorporated. (See Hoskins, William, Jr., assignor.)
Ditto, Incorporated. (See Neal, Morris P., assignor.)
Ditto, Incorporated. (See Roethe, Patrick H., assignor.)
Dollase, Robert F., Fort Atkinson, Wis. Trailer hitch. 2,260,442; Oct. 28.
Domestic Engine & Pump Company. (See Gruman, Lloyd B., assignor.)
Dominion Minerals, Incorporated. (See Kelsey, Victor V., assignor.)
Donovan, Howard G., Stelton, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating composition. 2,260,889; Oct. 28.

Doran Brothers, Incorporated. (See Schultze, Paul, assignor.)
Dorsett, Percy F., San Jose, Calif. Combination ash tray, match holder, etc. 2,260,774; Oct. 28.
Dosser, Robert C. (See Prescott, R. F., Dosser, and Sculati.)
Dow Chemical Company, The. (See Berhenke, L. F., and Du Vall, assignors.)
Dow Chemical Company, The. (See Britton, E. C., and Livak, assignors.)
Dow Chemical Company, The. (See Coleman, G. H., and Hadler, assignors.)
Dow Chemical Company, The. (See Hanawalt, J. D., and Nelson, assignors.)
Dow Chemical Company, The. (See Prescott, R. F., Dosser, and Sculati, assignors.)
Downing, Frank B., Sr., Wilkes-Barre, Pa. Wire rope nozzle. 2,260,443; Oct. 28.
Driscoll, John H., Edgewater, N. J., and R. J. Driscoll, White Plains, N. Y. Filling and packing. 2,260,302; Oct. 28.
Driscoll, Richard J. (See Driscoll, John H. and Richard J.)
Droll, Joseph W. (See Kibitz, H., Suchy, and Droll.)
Droll, J. W. Company. (See Kibitz, H., Suchy, and Droll, assignors.)
Drummond, Robert S., assignor to National Broach and Machine Company, Detroit, Mich. Surface shaving machine. 2,260,935; Oct. 28.
Dubeau, Archie L., Lewiston, J. D. MacMahon, Niagara Falls, and G. P. Vincent, assignors to The Mathieson Alkali Works, Inc., New York, N. Y. Treatment of substantially solid resinous linear condensation polymers. 2,260,367; Oct. 28.
Duchesne, Ernest, Schenectady, N. Y. Golf ball teeing device. 2,260,514; Oct. 28.
Duisberg, Walther H. (See Delle, Hermann, assignor.)
Dulaney, Ira J., Redding, Calif. Watch movement holder. 2,261,055; Oct. 28.
Dunham, Elmer J., Battle Creek, assignor to Clark Equipment Company, Buchanan, Mich. Industrial tractor. 2,260,804; Oct. 28.
Dunn, Jerry J., Ellwood City, Pa., assignor to National Tube Company. Making threaded joint members. 2,261,056; Oct. 28.
Du Pont, E. I., de Nemours & Company. (See Balassa, Ladislaus, assignor.)
Du Pont, E. I., de Nemours & Company. (See Bartlett, Arthur E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Booge, James E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Donovan, Howard G., assignor.)
Du Pont, E. I., de Nemours & Company. (See Edgar, Donald E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Ritter, David M., assignor.)
Du Pont, E. I., de Nemours & Company. (See Sawyer, Roscoe, H., assignor.)
Du Pont, E. I., de Nemours & Company. (See Williams, Ira, assignor.)
Durand, Milo A., assignor to C. P. Goerz American Optical Company, New York, N. Y. Lens system. 2,260,368; Oct. 28.
Du Vall, Russell B. (See Berhenke, L. F., and Du Vall.)
Eastman Kodak Company. (See McLeod, John H., assignor.)
Eastman Kodak Company. (See Smith, Henry B., assignor.)
Eastman Kodak Company. (See Wynd, Clarence L. A., assignor.)
Eaton Manufacturing Company. (See Clark, Howard H., assignor.)
Ebenhack, Arthur, Chillicothe, Ohio. Portable structure. 2,260,389; Oct. 28.
Edgar, Donald E., Philadelphia, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing resinous compositions. 2,260,890; Oct. 28.
Eguchi, Mitsuo, Los Angeles, Calif. Fisherman's live bait casting cartridge. 2,260,705; Oct. 28.
Eichholtz, Konrad. (See Klein, F., and Eichholtz.)
Ekstedt, John W. and K. W., Union, assignors to General Eyelet Supply Company, Inc., Roselle Park, N. J. Apparatus for producing eyelets. 2,260,891; Oct. 28.
Ekstedt, Kenneth W. (See Ekstedt, John W. and K. W.)
Elder, Irvin L., Chicago, Ill., assignor to The National Cash Register Company, Dayton, Ohio. Impression mechanism. 2,260,970; Oct. 28.
Eldredge, Murray C., Chicago, Ill. Glass cutter. 2,260,706; Oct. 28.
Electronic Devices Laboratory, Inc. (See Dewar, Reginald E. G., assignor.)
Elevator Safety Corporation. (See Spiro, Walter, assignor.)
Elge, Ernest A., Pittsfield, Mass., assignor to General Electric Company. Cooling means for electrical induction apparatus. 2,260,833; Oct. 28.
Elgin Corporation, The, et al. (See Leach, E. C., and Hillborn, assignors.)
Elkin, Manuel H., Elmira Heights, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Two stage engine starter control. 2,260,742; Oct. 28.
Elliott, Thomas S., Sr., Pripet, Maine, assignor to Harold Sigler, Norfolk, Va. Ice cream dispensing cabinet. 2,260,563; Oct. 28.
Ellis-Foster Company. (See Rust, John B., assignor.)
Ellison, Duward G., Tulsa, Okla. Attachment for garment hangers. 2,260,444; Oct. 28.
Elvegård, Evert R., Stockholm, Sweden. Producing light-sensitive layers. 2,260,445; Oct. 28.
Emsco Derrick & Equipment Company. (See Smith, D. M., and Fisher, assignors.)
Enderud, Albert, Caldwell, Kans. Grain indicator. 2,260,661; Oct. 28.
Engelke, Ernest F., Merchantville, N. J., assignor to Cities Service Oil Company, New York, N. Y. Oil addition agents. 2,260,303; Oct. 28.
Engelke, Ernest F., Merchantville, N. J., assignor to Cities Service Oil Company, New York, N. Y. Synthetic oil addition agents. 2,260,304; Oct. 28.
Engelke, Ernest F., Merchantville, N. J., assignor to Cities Service Oil Company, New York, N. Y. Phosphorus compounds. 2,260,305; Oct. 28.
English, John C., assignor to Johnson Gas Appliance Company, Cedar Rapids, Iowa. Electric switch. 2,260,564; Oct. 28.
Ensminger, Harry, Chicago, and C. H. Caughey, Aurora, assignors to Cardox Corporation, Chicago, Ill. Extinguishing fires in baled and loosely piled materials. 2,260,515; Oct. 28.
Erle, Mitchell W., New York, N. Y. Game board and apparatus for use in connection therewith. 2,260,892; Oct. 28.
Erwin, Ransome W., Longview, assignor to Salt Water Control Inc., Fort Worth, Tex. Emulsion treating and brine injection system for oil wells. 2,261,057; Oct. 28.
Erwin, Ransome W., Longview, assignor to Salt Water Control Inc., Fort Worth, Tex. Brine injection method for oil wells. 2,261,100; Oct. 28.
Erwin, Ransome W., Longview, assignor to Salt Water Control Inc., Fort Worth, Tex. Emulsion treating apparatus. 2,261,101; Oct. 28.
Estes, Phillip H. (See O'Brien, F. L., and Estes.)
Evans, Theodore W. (See Marple, K. E., Shokal, and Evans.)
Everett, Wilhelm S., Berkeley, Calif. Mixer. 2,260,834; Oct. 28.
Evershed & Vignoles Limited. (See Marchment, William T., assignor.)
Everson, Roy B., Chicago, Ill. Gas absorbing system. 2,260,936; Oct. 28.
Ewing, Herbert O., Middleport, Ohio. Electroforming method for producing radiators. 2,260,893; Oct. 28.
Fair, Irvin E., Lyndhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Crystal controlled oscillator for ultra-high frequencies. 2,260,707; Oct. 28.
Fairbanks, Philip R., Ogden, Utah. Tail gate control. 2,261,099; Oct. 28.
Fall, Albert P., Toledo, Ohio. Composite piston ring. 2,260,612; Oct. 28.
Farnsworth, Philo T., Philadelphia, Pa., assignor to Farnsworth Television & Radio Corporation, New York, N. Y. Electron multiplier. 2,260,613; Oct. 28.
Farnsworth Television & Radio Corporation. (See Farnsworth, Philo T., assignor.)
Farrel-Birmingham Company. (See Schnuck, Carl F., assignor.)
Farrell, James H., High Point, N. C. Tenoning machine. 2,260,662; Oct. 28.
Fenton, George E. (See Bliss, H. N., and Fenton.)
Ferguson, Alexander D., Michigan City, Ind., assignor to Sullivan Machinery Company. Pump. 2,260,306; Oct. 28.
Ferguson, Allen C., Lutherville, assignor to The Glenn L. Martin Company, Baltimore, Md. Die mechanism. 2,260,370; Oct. 28.
Fernseh Aktiengesellschaft. (See Knick, U., and Langenwalter, assignors.)
Ferris, Robert G., assignor to Starline, Inc., Harvard, Ill. Hay silo. 2,260,307; Oct. 28.
Fibres Associates, Inc. (See Killars, John, Jr., assignor.)
Fidler, Robert H., North Arlington, assignor to Tung-Sol Lamp Works Inc., Newark, N. J. Improved heater structure for thermionic devices. 2,260,308; Oct. 28.
Field, Herbert C., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Dome light assembly. 2,260,894; Oct. 28.
Findlay, Donald M., Passaic, N. J., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Recovery of halogens from fluids. 2,261,021; Oct. 28.
Fink, Henry W. (See Will, C. H., and Fink.)
Fink-Roselleve Co. (See Naylor, William E., assignor.)
Fisher Scientific Company. (See White, Wayne E., assignor.)
Fisher, William H. (See Smith, D. M., and Fisher.)
Flater, Nathaniel F. (See Spencer, Joseph V., assignor.)
Floyd, Samuel R., assignor to Frank G. North, Inc., Atlanta, Ga. Heddle bar mounting. 2,260,989; Oct. 28.
Folmer Graflex Corporation, The. (See Gorey, Archie H., assignor.)
Fooks, Ernest S., Jr., and W. F. Koontz, Uniontown, Pa. Shingle fastening device. 2,260,446; Oct. 28.
Forbes, Edward M., Virginia Beach, Va. Curb and gutter form. 2,260,447; Oct. 28.
Forbis, Hazel T., Pasadena, Calif. Swab. 2,261,058; Oct. 28.

Ford Instrument Company. (See Newell, William H., assignor.)
Forsberg, Charles, St. Louis, Mo. Automatic folding table. 2,260,371; Oct. 28.
Foster Machine Company. (See Arterton, A. W., and Stange, assignors.)
Fox, John H., Pittsburgh, and W. O. Lytle, New Kensington, Pa., assignors to Pittsburgh Plate Glass Company. Manufacture of vesicular glass. 2,261,022; Oct. 28.
Fowler, Carl S., Philadelphia, Pa., assignor to Talon, Inc. Slide-fastened knitted cuff closure. 2,260,372; Oct. 28.
Francis, Raymond S., Rumford, R. I., assignor to United States Rubber Company, New York, N. Y. Ball winding machine. 2,260,445; Oct. 28.
Franciare Company. (See Miller, Frank W., assignor.)
Franz, Henry H. (See Stewart, R. J., and Franz.)
Freeman, Jorge T., Buenos Aires, Argentina. Closure and dispenser for containers. 2,260,937; Oct. 28.
Frei, Jakob R., Sidney, and W. C. Pross, Bainbridge, N. Y., assignors to Bendix Aviation Corporation, South Bend, Ind. Ignition apparatus. 2,260,663; Oct. 28.
Freitas, June, Hollywood, Calif. Eye shield. 2,260,614; Oct. 28.
French, Rainsford, Washington, D. C. Piston pin and king bolt vise. 2,260,708; Oct. 28.
Fritzsch, Theodore N., Johnstown, Pa. Electric welding. 2,260,775; Oct. 28.
Fruehauf Trailer Company. (See Reid, Frederick M., assignor.)
Fulton Syphon Company, The. (See Giesler, Jean V., assignor.)
Fulton Syphon Company, The. (See Zurcher, Ernest, assignor.)
Funderburk, Otis C., Weston, Mass., assignor, by mesne assignments, to Kane Carburetor Corporation of Delaware, Wilmington, Del. Charge forming device. 2,260,309; Oct. 28.
Furness, William H., Haddonfield, assignor to American Rayon Company, Inc., Riverton, N. J. Helical winder. 2,260,565; Oct. 28.
Gagnier, George E. (See Place, Bion C., assignor.)
Galey, Henry J., Tarentum, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Method and apparatus for bending glass. 2,261,023; Oct. 28.
Ganoung, Florance S., Olean, N. Y. Illuminated sign. 2,260,743; Oct. 28.
Ganoung, Florance S., Olean, N. Y. Electrical sign. 2,260,744; Oct. 28.
Gar Wood Industries, Inc. (See Barrett, Edward R., assignor.)
Gass, William R., Sacramento, Calif. Semiautomatic brake. 2,260,566; Oct. 28.
Gatke, Thomas L., Oak Park, Ill. Molded composition slipper bearing. 2,260,567; Oct. 28.
Genco, Inc. (See Kilar, Mathew, assignor.)
General Electric Company. (See Barr, James R., assignor.)
General Electric Company. (See Brüche, Ernst, assignor.)
General Electric Company. (See Carlson, George, assignor.)
General Electric Company. (See Elge, Ernest A., assignor.)
General Electric Company. (See Jones, Benjamin W., assignor.)
General Electric Company. (See Kuehni, Hans P., assignor.)
General Electric Company. (See Lincks, George F., assignor.)
General Electric Company. (See Lynch, Edward E., assignor.)
General Electric Company. (See Rowe, Hobart E., assignor.)
General Electric Company. (See Schwarzhaupt, Paul J., assignor.)
General Electric Company. (See Stark, Gottfried, assignor.)
General Electric Company. (See Thomas Henry P., assignor.)
General Electric Company. (See Wilson, Myron S., assignor.)
General Electric Company. (See Wood, Alexander P., assignor.)
General Electric X-Ray Corporation. (See Atlee, Zed J., assignor.)
General Eyelet Supply Company. (See Ekstedt, John W. and K. W., assignors.)
General Foods Corporation. (See Guinane, Joseph E., assignor.)
General Mills, Inc. (See Wylie, Arthur R., assignor.)
General Motors Corporation. (See Coleman, John D., assignor.)
General Motors Corporation. (See Dasher, Don E., assignor.)
General Motors Corporation. (See Henney, Charles F., assignor.)
General Time Instruments Corporation. (See Jackson, Edward B., assignor.)
General Time Instruments Corporation. (See Ostler, E. S., Denniston, and Richardson, assignors.)
Gerber, Walter, assignor to Schutte & Koerting Company, Philadelphia, Pa. Rotameter. 2,260,516; Oct. 28.
Gerdts, Gustave F. (See Richter, Hans, assignor.)
Gerecht, Ludwig, Kassel, Germany. Process and apparatus for purifying or dressing clay. 2,260,776; Oct. 28.
Gewerschaft Mathias Stinnes. (See Pott, A., and Broche, assignors.)
Gibbs, Charles H., and V. A. Large, Oakland, Calif. Combined plastic tie and clip. 2,260,615; Oct. 28.
Gibbs, Edward F-G., Detroit, Mich. Offset turning tool. 2,260,373; Oct. 28.
Gibson, Elton G., Roxboro, N. C. Room heater. 2,260,895; Oct. 28.
Giesler, Jean V., assignor to The Fulton Syphon Company, Knoxville, Tenn. Automatic tube drawing press. 2,261,060; Oct. 28.
Gilkey, W. S., Printing Company, The. (See Daley, William A., assignor.)
Gilman, Turner W., Oak Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Transmission system. 2,260,374; Oct. 28.
Gilpin, Garth G., Riverside, Ill., assignor to Standard Railway Equipment Manufacturing Company. Hatch construction. 2,260,938; Oct. 28.
Glascock Brothers Mfg. Co. (See Baker, Robert E., assignor.)
Gleason Works. (See Carlsen, Leonard O., assignor.)
Goeliner, Joseph J., assignor to Landis Machine Company, St. Louis, Mo. Apparatus for stitching welt shoes. 2,260,664; Oct. 28.
Goerz, C. P., American Optical Company. (See Durand, Milo A., assignor.)
Goetz, Paul C., Mount Holly, assignor to The Permutit Company, New York, N. Y. Making ion-exchanging preparations and product thereof. 2,260,971; Oct. 28.
Goldberg, George. (See Boni, A., and Goldberg.)
Goldsby, Arthur R., Beacon, N. Y., and K. Korpi, Redondo Beach, Calif., assignors to The Texas Company, New York, N. Y. Treatment of hydrocarbon oils. 2,260,944; Oct. 28.
Goldsby, Arthur R., Beacon, N. Y., and T. A. Mangelsdorf, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y. Manufacture of motor fuels. 2,260,990; Oct. 28.
Goldsby, Arthur R. (See Korpi, K., and Goldsby.)
Goldsmith, William M., Cincinnati, Ohio. Partition stud structure. 2,260,777; Oct. 28.
Goldwyn Brothers. (See Goldwyn, George I., assignor.)
Goldwyn, George I., assignor to G. I. and H. Goldwyn, Chicago, Ill., copartners doing business under name and style of Goldwyn Brothers. Apparatus for pneumatically cleaning bags. 2,260,449; Oct. 28.
Goldwyn, Herman. (See Goldwyn, George I.)
Goodman, Harold, Peabody, and E. J. McGown, Lynn, Mass. Last. 2,260,568; Oct. 28.
Goodman Manufacturing Company. (See Barry, Robert L., assignor.)
Goodman, Samuel, and F. Olson, Easton, Pa., assignors to Shapiro & Son Curtain Corporation, New York, N. Y. Tufting mechanism for sewing machines. 2,260,896; Oct. 28.
Goodrich, B. F., Company, The. (See Jones, Paul C., assignor.)
Goss Printing Press Company, The. (See Bernard, David G., assignor.)
Gorey, Archie H., Irondequoit, assignor to The Folmer Graflex Corporation, Rochester, N. Y. Photographic lens barrel adjusting means. 2,260,991; Oct. 28.
Gould, James A., assignor to Pratt, Read & Company, Ivoryton, Conn. Piano action. 2,260,310; Oct. 28.
Granberg, Albert J., assignor to Granberg Equipment, Incorporated, Oakland, Calif. Pump valve. 2,260,805; Oct. 28.
Granberg Equipment, Incorporated. (See Granberg, Albert J., assignor.)
Granger, Harold, Alexandria, Va. Hermetically sealed piezoelectric crystal holder. 2,260,311; Oct. 28.
Gray, Frank, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cathode ray tube. 2,260,313; Oct. 28.
Gray, Frank, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Television system. 2,260,709; Oct. 28.
Green, Paul W., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Heating unit. 2,260,791; Oct. 28.
Green, Paul W., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Heating unit. 2,260,792; Oct. 28.
Griffith, Carroll L., and L. A. Hall, Chicago, Ill., assignors to The Griffith Laboratories, Inc. Seasoning material derived from red peppers and the derivation thereof. 2,260,897; Oct. 28.
Griffith Laboratories, Inc., The. (See Griffith, C. L., and Hall, assignors.)
Grint, William H., Trading Estate, Slough, England. Production of flexible tubes and pipes. 2,260,282; Oct. 28.
Gris, Roberto, Martinez, F. C. C. A., Argentina. Rotary toothbrush. 2,261,059; Oct. 28.
Groeniger, William C., Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y. Trap device for trapping waste outlets. 2,260,616; Oct. 28.
Gruman, Lloyd B., assignor to Domestic Engine & Pump Company, Shippensburg, Pa. Float actuated electrical control system. 2,260,312; Oct. 28.
Grunig, Bernhard C., assignor to A. B. T. Manufacturing Corp., Chicago, Ill. Coin slide. 2,260,745; Oct. 28.

Gschwind, Jean F., Mount Vernon, N. Y. Autoclave and the like. 2,260,710; Oct. 28.
Guiberson Diesel Engine Company. (See Thaheld, Ferl A., assignor.)
Guinane, Joseph E., White Plains, assignor to General Foods Corporation, New York, N. Y. Freezing food products. 2,260,450; Oct. 28.
Gundlach, Severin N., Belleville, Ill. Shingle cutter. 2,260,972; Oct. 28.
Gunthorp, Cecil H. (See Weinhardt, C. J., and Gunthorp.)
Gunzelman, Joseph D., Emporia, Kans. Frame. 2,260,451; Oct. 28.
Haapanen, Onni M., and T. J. Kangas, Conneaut, Ohio. Watchcase. 2,260,835; Oct. 28.
Hadler, Bartholdt C. (See Coleman, G. H., and Hadler.)
Haegele, Richard, Villa Park, Ill. Egg opener. 2,260,836; Oct. 28.
Hainsworth, William R., Larchmont, assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,260,939; Oct. 28.
Halford, Frank B., Edgware, and B. W. Barlow, assignors to D. Napier & Son Limited, London, England. Ball and socket joint. 2,260,283; Oct 28.
Halin, Jules E., Drummondville, Quebec, Canada, assignor to Celanese Corporation of America. Device for producing staple fiber yarns from continuous filaments. 2,260,314; Oct. 28.
Hall, Edward H., Fitchburg, Mass. Drier felt for paper machines. 2,260,940; Oct. 28.
Hall, Erik H. (See Van Sickle, R. C., and Hall.)
Hall, Joseph M., Chicago, Ill., assignor to Universal Railway Devices Company. Railway car. 2,260,898; Oct. 28.
Hall, Lloyd A. (See Griffith, C. L., and Hall.)
Halliden, Frederick G., Bellerose, assignor to Postal Telegraph-Cable Company (New York), New York, N. Y. Multistation communication system. 2,260,711; Oct. 28.
Halstead, William S., Huntington, N. Y., assignor of one-third to J. B. Brady, Washington, D. C. Radio traffic control system. 2,260,315; Oct. 28.
Ham, Garnet P., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Guanidine thiosulphate reaction product. 2,260,665; Oct. 28.
Hamilton, Francis C., Columbia, Ill., assignor of one-half to L. R. Schuessler, St. Louis, Mo. Machine for producing bent sippers. 2,260,517; Oct. 28.
Hamilton, John H., and D. B. Nicholson, Raleigh, N. C. Washing machine. 2,260,518; Oct. 28.
Hammond Instrument Company. (See Stephens, George H., assignor.)
Hanawalt, Joseph D., and C. E. Nelson, assignors to The Dow Chemical Company, Midland, Mich. Treating carbon or graphite. 2,260,746; Oct. 28.
Hancock, William T., Long Beach, Calif. Clay treatment of pressure distillate. 2,260,617; Oct. 28.
Hancock, William T., Long Beach, Calif. Refining petroleum hydrocarbons. 2,260,618; Oct. 28.
Hancock, William T., Long Beach, Calif. Treatment of polymerizable petroleum distillates. 2,260,619; Oct. 28.
Hancock, William T., Long Beach, Calif. Refining petroleum oil. 2,260,620; Oct. 28.
Hansen, Henry. (See McCarroll, E. W., and Hansen.)
Hanslick, Roy S., New Haven, Conn., assignor to United States Rubber Company, New York, N. Y. Vulcanization accelerator. 2,261,024; Oct. 28.
Harris, Jack J., assignor of one-half to L. Kinczell, Cleveland, Ohio. Retractable airplane wing. 2,260,316; Oct. 28.
Harris, Melvin J. (See Jones, E. P., and Harris.)
Harrison, Thomas R., Wyncote, assignor to The Brown Instrument Company, Philadelphia, Pa. Control apparatus. 2,261,083; Oct. 28.
Harrison, William H., Los Angeles, Calif. Coupling device. 2,260,712; Oct. 28.
Harry, Robert J., Alliance, Ohio. Crane construction. 2,260,317; Oct. 28.
Hart, Charles M., Chattanooga, Tenn. Textile cone. 2,260,452; Oct. 28.
Hartman, Samuel H., Lancaster Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Making decorative sheets. 2,260,453; Oct. 28.
Haseltine, Stacy B., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Door fastener. 2,260,519; Oct. 28.
Hatfield Wire & Cable Co. (See Charmoy, Harry, assignor.)
Haughton Elevator Company, The. (See Thurston, E. B., and Hohnecker, assignors.)
Hauserman, E. F., Company, The. (See Bohnsack, John A., assignor.)
Havens, Glenn G., Detroit, Mich., assignor to United States Rubber Company, New York, N. Y. Pneumatic tire. 2,261,025; Oct. 28.
Hazeltine, Benjamin P., Wheeling, W. Va. Straightening machine. 2,260,375; Oct. 28.
Healey, Harry, and J. J. Cassidy, Detroit, Mich. Concrete reinforcement spacer. 2,260,973; Oct. 28.
Healey, Harry, and J. J. Cassidy, Detroit, Mich. Reinforcement spacer. 2,260,974; Oct. 28.
Heaton, Walter H., Franklin, Mass., assignor to Beckwith Manufacturing Company, Dover, N. H. Shoemaking. 2,260,713; Oct. 28.
Hecht, George, Astoria, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,260,318; Oct. 28.
Hedeman, Alexander, New York, N. Y. Hose connection. 2,260,454; Oct. 28.
Hedenburg, Oscar F., Pittsburgh, Pa., assignor to Rex Research Corporation, Toledo, Ohio. Preparing β(O-methyl phenoxy)β'thiocyan ethyl ether. 2,260,376; Oct. 28.
Heft, Grettie L. (See Heft, Kenneth G. and G. L., and Rapp.)
Heft, Kenneth G. and G. L., and E. J. Rapp, assignors to Morris Packaging Equipment Company, Toledo, Ohio. Method and apparatus for forming prints of butter or the like. 2,260,747; Oct. 28.
Heftler, Paul, Chicago, Ill. High speed method of making metal-edge filters. 2,260,899; Oct. 28.
Helgis, Henry E., West Orange, assignor to Specialties Development Corporation, Bloomfield, N. J. Distributing system for high pressure fluid media. 2,261,026; Oct. 28.
Henderson, William J. (See Brasseur, Donat, assignor.)
Hendrickson, Fritz E., South Elgin, assignor of one-half to M. Ireland, near Elgin, Ill. Buffing wheel. 2,260,941; Oct. 28.
Hennessy, James J., Montclair, N. J. Lubricant distributor. 2,260,520; Oct. 28.
Henney, Charles F., assignor to General Motors Corporation, Dayton, Ohio. Air conditioning. 2,260,900; Oct. 28.
Henning, George E., Fullston, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Fabric covered strand. 2,260,521; Oct. 28.
Henning, Harley A., Greenwich, Conn., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coin collector apparatus. 2,260,522; Oct. 28.
Henry, Earle G., Chicago, Ill., assignor to Buckley Music System, Inc. Coin operated switch. 2,260,992; Oct. 28.
Henry, Guy J., Chicago, Ill. Valve. 2,260,523; Oct. 28.
Herbert, Alfred, Limited. (See Picking, Ernest C., assignor.)
Herbst, Carl W., Milwaukee, Wis. Heel bone pocketing accessory for shoes. 2,260,377; Oct. 28.
Herlache, Lawrence F., Sturgeon Bay, Wis. Coin controlled bowling scoreboard. 2,260,284; Oct. 28.
Hersey, Ralph E., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,260,524; Oct. 28.
Hill, Vaughn H. (See Miller, J. W., and Hill.)
Hillborn, Herbert J. (See Leach, E. C., and Hillborn.)
Hinchman, Ralph F., assignor to All-Steel-Equip Company, Aurora, Ill. Clamp. 2,260,806; Oct. 28.
Hinks, Bernard, Willenhall, England. Electric switch. 2,260,901; Oct. 28.
Hintze, Rudolf, Berlin-Charlottenburg, and P. Pfaff, Berlin-Siemensstadt, assignors to Patentverwertungs-Gesellschaft mit beschränkter Haftung "Hermea," Berlin, Germany. Refrigerating apparatus of the compression type. 2,260,807; Oct. 28.
Hitchcock, John H., and A. R. Keller, assignors to Morgan Construction Company, Worcester, Mass. Collapsible drum. 2,260,902; Oct. 28.
Hobbs, John W., assignor to John W. Hobbs Corporation, Springfield, Ill. Electric clock. 2,260,525; Oct. 28.
Hobbs, John W., Corporation. (See Hobbs, John W., assignor.)
Hodge, Robert J., assignor to The American Buckle Company, West Haven, Conn. Apparel supporter. 2,260,778; Oct. 28.
Hodgins, Theodore S. (See Hovey, A. G., and Hodgins.)
Hodovan, John J., Lorain, Ohio. Waterproof sleeve for canvas breeches. 2,260,526; Oct. 28.
Hoehn, John J., Indianapolis, Ind., assignor to Radio Corporation of America. Phonographic apparatus. 2,260,319; Oct. 28.
Hoess, Frank L., Hammond, Ind. Machine for forming sheet metal sections. 2,260,621; Oct. 28.
Hoffland, Walter W., Glendo, Wyo., assignor to The Waterbury Buckle Company, Waterbury, Conn. Slide buckle. 2,260,378; Oct. 28.
Hoffman, Earl E., Arlington, Va., assignor to National Paint, Varnish & Lacquer Association, Inc., Washington, D. C. Dispensing closure. 2,260,666; Oct. 28.
Hoffman, Robert. (See Berg, Elmer G., assignor.)
Hoffmann, Ernest, Vienna, Germany. Making ferroconcrete reinforcing elements. 2,260,779; Oct. 28.
Hoffoss, John E., assignor to Reed Roller Bit Company, Houston, Tex. Coring apparatus. 2,260,320; Oct. 28.
Hogencamp, Harold C. (See Clothier, S. L., and Hogencamp.)
Hogg, Hazel V. (See Hogg, Robert T. and H. V.)
Hogg, Robert T. and H. V., Seattle, Wash. Adjustable glare shield. 2,260,622; Oct. 28.
Hohnecker, Otto. (See Thurston, E. B., and Hohnecker.)
Holliday, Theodore B. (See Stout, R. K., and Holliday.)
Hollingsworth, Douglas T. (See Brazier, L. G., and Hollingsworth.)
Holly, Harry H., Chicago, Ill., assignor to Holly Molding devices. Patty maker. 2,260,780; Oct. 28.
Holly molding devices. (See Holly, Harry H., assignor.)
Holmes, Louis D., assignor to Whiting Corporation, Harvey, Ill. Hoisting mechanism for locomotives. 2,260,623; Oct. 28.

Holmes, Oscar J., Chicago, Ill. Motion picture projector. 2,260,569; Oct. 28.

Holophane Company. (See Rolph, Thomas W., assignor.)

Hoof, Addison C., Hinsdale, Ill. Diaphragm forming device. 2,260,667; Oct. 28.

Hooker Electrochemical Company. (See Maude, A. H., and Osborne, assignors.)

Hoover, Frank M., Inc. (See Schuck, John and W. W., assignors.)

Hopkins, Frank H., Fairfield, Conn., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Guard device for pressure-responsive instruments. 2,261,027; Oct. 28.

Hopkins, Frank H., Fairfield, Conn., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Pulsation dampener. 2,261,028; Oct. 28.

Hopkins, Frank H., Fairfield, Conn., assignor to Manning Maxwell & Moore, Incorporated, New York, N. Y. Indicating instrument. 2,261,029; Oct. 28.

Horste, Joseph E., Detroit, Mich. Mowing attachment for tractors. 2,260,668; Oct. 28.

Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Wiper arm. 2,260,903; Oct. 28.

Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield clearing system. 2,260,904; Oct. 28.

Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Wiper blade mounting. 2,260,905; Oct. 28.

Horton, Harry H., Laramie, Wyo. Clothes tree. 2,261,061; Oct. 28.

Horwedel, Charles R., Lakewood, Ohio, assignor to The American Steel and Wire Company of New Jersey. Wire drawing. 2,260,455; Oct. 28.

Hoskins, William, Jr., La Grange, assignor to Ditto, Incorporated, Chicago, Ill. Hectograph blanket and preparing same. 2,260,379; Oct. 28.

Houghton, William M., Marblehead, Mass. Selecting means. 2,260,748; Oct. 28.

Hovey, Almon G., Birmingham, and T. S. Hodgins, Royal Oak, assignors to Reichhold Chemicals, Inc., formerly Beck, Koller & Company, Inc., Detroit, Mich. Urea-formaldehyde-acid-amine co-condensation products and making the same. 2,261,084; Oct. 28.

Hovey, Almon G., Birmingham, and T. S. Hodgins, Royal Oak, assignors to Reichhold Chemicals, Inc., formerly Beck, Koller & Company, Inc., Detroit, Mich. Urea-formaldehyde-acid-amine condensation products and making the same. 2,261,085; Oct. 28.

How, Harlan W., assignor to Struthers Wells-Titusville Corporation, Titusville, Pa. Mounting for supporting rotary drums. 2,260,321; Oct. 28.

Howarth, Arthur. (See Judisch, C. H., and Howarth.)

Huber, John Y., Jr., Haverford, and J. C. Baxter, Philadelphia, Pa., assignors to United Biscuit Company of America, Chicago, Ill. Machine for separating frangible sheet material. 2,261,062; Oct. 28.

Hudec, Erich, Berlin, Germany. System for producing telegraph signals. 2,260,906; Oct. 28.

Hueber, Henry C., Snyder, assignor to Trico Products Corporation, Buffalo, N. Y. Fluid motor. 2,260,853; Oct. 28.

Hughes, Arthur J., et al. (See Sproule, Donald O., assignor.)

Hughes, Henry, & Son, Limited, et al. (See Sproule, Donald O., assignor.)

Hughes Tool Company. (See Scott, Floyd L., assignor.)

Humphrey, Dee E., Dallas, Tex. Well pump. 2,260,660; Oct. 28.

Humphrey, Dee E., Dallas, Tex. Well pump. 2,260,671; Oct. 28.

Humphries, Chad H., Winnetka, Ill. Metallurgical process. 2,260,670; Oct. 28.

Hunt, William D., assignor to Crankshaft Machine Company, Jackson, Mich. Crankshaft lathe. 2,261,086; Oct. 28.

Hvid, Rasmus M., Wilmette, Ill. Internal combustion engine. 2,260,975; Oct. 28.

Hyman, Henry. (See Muldoon, Bernard F., assignor.)

Illinois Tool Works. (See Poupitch, Ougljesa J., assignor.)

Indge, Herbert S., Westboro, assignor to Norton Company, Worcester, Mass. Camshaft lapping machine. 2,260,907; Oct. 28.

Ingersoll Milling Machine Company, The. (See Strawn, Marion L., assignor.)

Interlake Iron Corporation, et al. (See Lorig, Clarence H., assignor.)

International Paper Box Machine Company, The. (See Chapman, Fred H., assignor.)

International Standard Electric Corporation. (See Brown, A., and Marshall, assignors.)

Ireland, Murray. (See Hendrickson, Fritz E., assignor.)

Jackson, Edward B., Downers Grove, Ill., assignor to General Time Instruments Corporation, New York, N. Y. Time system. 2,260,808; Oct. 28.

Jacquard Knitting Machine Co. (See Miller, Charles F., assignor.)

Jahn, Charles R. (See Lafaye, Hilton J., Sr., assignor.)

Jasco, Incorporated. (See Murke, Hans, assignor.)

Jenkins Bros. (See Sorokin, Michael A., assignor.)

Jenny, William P., Houston, Tex. Micromagnetic prospecting device. 2,261,030; Oct. 28.

Johann, Albert S., assignor to Milwaukee Electric Tool Corporation, Milwaukee, Wis. Sheet metal shaper. 2,260,624; Oct. 28.

Johanson, Sten, assignor to Universal Camera Corporation, New York, N. Y. Photographic enlarging apparatus. 2,260,672; Oct. 28.

John, James E., Roanoke, Va. Garbage can holder. 2,260,570; Oct. 28.

Johndohl, Glenn E., Denver, Colo. Fountain pen. 2,260,571; Oct. 28.

Johnson, Clifford M., Suffern, N. Y., assignor to Allied Products, Inc., New York, N. Y. Method of and apparatus for forming rouge pads. 2,260,456; Oct. 28.

Johnson Gas Appliance Company. (See English, John C., assignor.)

Johnson, James P., Shaker Heights, assignor, by mesne assignments, to Pump Engineering Service Corporation, Cleveland, Ohio. Seal for rotary pumps. 2,260,809; Oct. 28.

Johnson, Tomlinson F., Atlanta, Ga. High tension fuse. 2,260,457; Oct. 26.

Johnson, Walter F., Cincinnati, Ohio. Upholstery retainer. 2,260,908; Oct. 28.

Johnston, Clarence S., Amarillo, Tex. Jack. 2,260,993; Oct. 28.

Jones, Arthur E., assignor to Posture Research Corporation, Elkhart, Ind. Chair. 2,260,976; Oct. 28.

Jones, Benjamin W., Schenectady, N. Y., assignor to General Electric Company. Control system. 2,260,810; Oct. 28.

Jones, Everett P., Elizabeth, and M. J. Harris, Cranford, N. J., assignors to Oxweld Acetylene Company. Deseaming and desurfacing apparatus and process. 2,260,322; Oct. 28.

Jones, Harry S., assignor to The Brown Instrument Company, Philadelphia, Pa. Control apparatus. 2,260,977; Oct. 28.

Jones, Harry S., assignor to The Brown Instrument Company, Philadelphia, Pa. Control system. 2,261,087; Oct. 28.

Jones & Lamson Machine Company. (See Lovely, John E., assignor.)

Jones, Lloyd B., Hollidaysburg, Pa. Locomotive steam distribution system. 2,260,458; Oct. 28.

Jones, Paul C., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Accelerator of vulcanization. 2,260,380; Oct. 28.

Joseph, Louis. (See Mulnix, Ersel C., assignor.)

Joslin, C. E., et al. (See Turner, Howard H., assignor.)

Joslin, M. E., et al. (See Turner, Howard H., assignor.)

Joyce, Walter A., North White Plains, N. Y. Putty and glazier knife. 2,261,063; Oct. 28.

Judisch, Carl H., and A. Howarth, Providence, R. I., assignors to The Whitney Blake Company, New Haven, Conn. Connector plug. 2,260,323; Oct. 28.

Junkers Flugzeug-und-Motorenwerke, A. G., Dessau. (See Klein, F., and Eichholtz, assignors.)

Kane Carburetor Corporation of Delaware. (See Funderburk, Otis C., assignor.)

Kangas, Toivo J. (See Haapanen, O. M., and Kangas.)

Kann, William L. (See Wise, Leslie M., assignor.)

Karish, Karl, Brooklyn, N. Y. Woodworking device. 2,261,031; Oct. 28.

Katz, Bessie M., Mount Carmel, Pa. Hot pad. 2,261,064; Oct. 28.

Katz, Martin, New York, N. Y. Mail chute construction. 2,260,714; Oct. 28.

Kay Manufacturing Corporation. (See Krakauer, Abraham, assignor.)

Kaye, Nathan, New York, N. Y. Denture casting flask. 2,260,909; Oct. 28.

Kellens, Eugene, Brussels, Belgium. Purifying and decolorizing oily and fatty materials. 2,260,910; Oct. 28.

Keller, Alfred R. (See Hitchcock, J. H., and Keller.)

Keller, Charles L., Cincinnati, assignor to The Richardson Company, Lockland, Ohio. Nonoverfill and relief device. 2,261,032; Oct. 28.

Kelsey-Hayes Wheel Company. (See Sinclair, Charles W., assignor.)

Kelsey, Victor V., assignor to Dominion Minerals, Incorporated, Washington, D. C. Mineral composition. 2,260,749; Oct. 28.

Kendall, Myron A., Aurora, Ill., assignor to Stephens-Adamson Manufacturing Company. Belt conveyer. 2,261,088; Oct. 28.

Kende, George, assignor to Universal Camera Corporation, New York, N. Y. Slide projection apparatus. 2,260,673; Oct. 28.

Kennedy, Ernest N., Piccadilly, London, England. Lock. 2,260,674; Oct. 28.

Kennon, Louis H., Houston, Tex. Valve assembly. 2,260,381; Oct. 28.

Ketchem, Roy, Philadelphia, Pa. Circuit closer. 2,260,715; Oct. 28.

Kibitz, Harold, A. C. Suchy, and J. W. Droll, assignors to J. W. Droll Company, Chicago, Ill. Multineedle sewing machine. 2,260,382; Oct. 28.

Kilar, Mathew, assignor to Genco, Inc., Chicago, Ill. Contact switch plate. 2,260,459; Oct. 28.

Killars, John, Jr., Greenville, S. C., assignor, by mesne assignments, to Fibres Associates, Inc. Apparatus for producing slivers. 2,260,383; Oct. 28.

Killian, Edward S., assignor to Frank B. Killian & Company, Akron, Ohio. Dipping and distributing apparatus. 2,260,854; Oct. 28.

Killian, Frank B., & Company. (See Killian, Edward S., assignor.)

Kimble Glass Company. (See Pinotti, Fred D., assignor.)

Kinczell, Louis. (See Harris, Jack J., assignor.)

King, Henry K. (See Peters, M. F., and King.)

King, James F., Little Rock, Ark. Switch protector. 2,260,675; Oct. 28.

Kingman, Russell B., Orange, N. J. Container and closure therefor. 2,260,942; Oct. 28.

Kirchner, Ricardo, Mexico City, Mexico. Apparatus for and method of blood infusion. 2,261,065; Oct. 28.

Kistler, Samuel S., West Boylston, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Gel and lubricant made therefrom. 2,260,625; Oct. 28.

Kisylia, John, Gary and A. Kopp, East Gary, Ind. Apparatus operable by passage of objects. 2,260,781; Oct. 28.

Kittredge, John W., assignor to Mechanical Plucker Corporation, New York, N. Y. Poultry plucker. 2,260,855; Oct. 28.

Kleiderer, Ervin C., and A. M. Van Arendonk, assignors to Eli Lilly and Company, Indianapolis, Ind. Preparing 4,4'-disubstituted-diphenyl sulphones. 2,260,626; Oct. 28.

Klein, Edward J., Port Washington, N. Y. Weather stripping. 2,260,527; Oct. 28.

Klein, Friedrich, and K. Eichholtz, assignors to Junkers Flugzeug-und-Motorenwerke, A. G., Dessau, Dessau, Germany. Engine support. 2,260,978; Oct. 28.

Klingebiel, Richard J., Ashton, assignor of one-fourth to G. E. Lovett, West Brooklyn, Ill. Toy mail car. 2,260,460; Oct. 28.

Knell, George J. (See La Russa, A. A., Knell, and Dellert.)

Knick, Ulrich, Berlin-Steglitz, and H.-W. Langenwalter, Finkenkrug, near Berlin, assignors to the firm of Fernseh Aktiengesellschaft, Zehlendorf, near Berlin, Germany. Television device. 2,260,911; Oct. 28.

Knowles, Edwin C., Beacon, assignor to The Texas Company, New York, N. Y. Separation of wax from oil. 2,260,994; Oct. 28.

Kobe, Inc. (See Wagner, Edmond M., assignor.)

Koehring Company. (See Mitchell, Holger L., assignor.)

Kollmorgen Optical Corporation. (See Maulbetsch, John L., assignor.)

Kolorama Laboratories, Inc. (See Clothier, S. L., and Hogencamp, assignors.)

Kolts, Tennies F., Chicago, Ill., assignor to W. Buckley. Traffic guide. 2,260,461; Oct. 28.

Koontz, Walter F. (See Fooks, E. S., and Koontz.)

Kopitke, William H., West Hartford, assignor, by mesne assignments, to Plax Corporation, Hartford, Conn. Method of and machine for making hollow articles from plastics. 2,260,750; Oct. 28.

Kopp, Alfred. (See Kisylia, J., and Kopp.)

Korpi, Karl, and A. R. Goldsby, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y. Manufacture of antiknock motor fuel hydrocarbons. 2,260,943; Oct. 28.

Korpi, Karl, Redondo Beach, Calif., and A. R. Goldsby, Beacon, assignors to The Texas Company, New York, N. Y. Alkylation of hydrocarbons. 2,260,945; Oct. 28.

Korpi, Karl. (See Goldsby, A. R., and Korpi.)

Korsmo, Torbjorn C., assignor to Madison-Kipp Corporation, Madison, Wis. Die for pressure casting. 2,260,462; Oct. 28.

Korte, Alfred C., and K. Lannert, assignors to Carter Carburetor Corporation, St. Louis, Mo. Electric fuel pump. 2,260,946; Oct. 28.

Kotler, Paul, Irvington, N. J. Shuffleboard table and playing top, and other tables. 2,260,716; Oct. 28.

Kottmann, Arthur A., Davenport, assignor to Micro-Westco, Incorporated, Bettendorf, Iowa. Wrapper and method. 2,260,324; Oct. 28.

Kozak, Joseph L., Munster, assignor to Screw Conveyor Corporation, Hammond, Ind. Coupling means for screw conveyers. 2,260,811; Oct. 28.

Kozak, Joseph L., Munster, assignor to Screw Conveyor Corporation, Hammond, Ind. Inspection port for screw conveyer connections. 2,260,812; Oct. 28.

Krakauer, Abraham, assignor to Kay Manufacturing Corporation, Brooklyn, N. Y. Mattress spring. 2,260,627; Oct. 28.

Krause, August L. (See Coffin, E. E., and Krause.)

Kreuzer, Barton, Los Angeles, Calif., assignor to Radio Corporation of America. Sound recording system. 2,260,717; Oct. 28.

Kritchevsky, Wolf, Chicago, Ill. Hydroxy-alkyl amine condensation products. 2,260,384; Oct. 28.

Krohn, Karl, Lakewood, assignor to The W. S. Tyler Company, Cleveland, Ohio. Screening apparatus. 2,260,386; Oct. 28.

Krone, Howard C., River Edge, and W. Meyer, East Orange, assignors to A. W. Wheaton Brass Works, Newark, N. J. Audible signal liquid level indicator. 2,260,385; Oct. 28.

Kropp, Willis A., Oak Park, assignor to Victor Adding Machine Company, Chicago, Ill. Duplicating machine. 2,260,463; Oct. 28.

Kropp, Willis A., River Forest, assignor to Victor Adding Machine Company, Chicago, Ill. Duplicating machine. 2,260,464; Oct. 28.

Kropp, Willis A., River Forest, assignor to Victor Adding Machine Company, Chicago, Ill. Duplicating machine. 2,260,465; Oct. 28.

Kruczek, Andrew, Detroit, Mich. Mounting for vises. 2,260,995; Oct. 28.

Kruczek, Andrew, Detroit, Mich. Mounting for vises. 2,260,996; Oct. 28.

Kuehni, Hans P., Schenectady, N. Y., assignor to General Electric Company. Pressure measuring apparatus. 2,260,837; Oct. 28.

Kurtz, Louis, Woodside, assignor to U. S. Clasp Corp., New York, N. Y. Garment clasp. 2,261,089; Oct. 28.

Kyrides, Lucas P., Webster Groves, assignor to Monsanto Chemical Company, St. Louis, Mo. Halogenated benzoyl glycollate ester compositions. 2,260,628; Oct. 28.

Lafaye, Hilton J., Sr., Akron, Ohio, assignor to C. R. Jahn, Chicago, Ill. Boat trailer. 2,260,676; Oct. 28.

Lamac Store Fixture Company. (See Tomson, Albert R., assignor.)

Lancaster, John T., Newton, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Fastening-inserting machine. 2,260,466; Oct. 28.

Landis & Gyr, A-G. (See Moos, Paul, assignor.)

Landis Machine Company. (See Goellner, Joseph J. assignor.)

Langel, Adrien L., assignor to Chicago Metallic Manufacturing Company, Chicago, Ill. Multiple unit baking pan. 2,260,782; Oct. 28.

Langenwalter, Hans-Wolfgang. (See Knick, U., and Langenwalter.)

Lannert, Kenneth. (See Korte, A. C., and Lannert.)

Large, Vernon A. (See Gibbs, C. H., and Large.)

La Russa, Anton A., and G. J. Knell, Bronx, and W. J. Dellert, Mount Vernon, N. Y. Rhinestone attaching machine. 2,260,572; Oct. 28.

Lasha, Martha A., Ada, Minn. Nail polish drier. 2,260,687; Oct. 28.

La Vigne, Jerome, assignor to The Waterbury Buckle Company, Waterbury, Conn. Slide buckle. 2,260,387; Oct. 28.

Leach Company, et al. (See Leach, E. C., and Hillborn, assignors.)

Leach, Elbert C., and H. J. Hillborn, assignors of one-half to Leach Company, Oshkosh, Wis., and one-half to The Elgin Corporation, Chicago, Ill. Self-loading vehicle. 2,260,947; Oct. 28.

Leathers, Ward, Haworth, N. J., assignor to Quadrex Corporation, New York, N. Y. Vacuum cleaner. 2,260,325; Oct. 28.

Le Bleu, Charles, Los Angeles, Calif. Scraper. 2,260,388; Oct. 28.

Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Door for closed vehicles, especially for automobiles. 2,260,997; Oct. 28.

Lee, Kenyon F., as trustee. (See Bell, David B., assignor.)

Le May, Alan B., Beverly Hills, Calif. Game apparatus. 2,260,467; Oct. 28.

Levy, Sydney J. (See Di Lucci, Anthony J., assignor.)

Levy, William M., and C. I. Burgman, St. Louis, Mo. Carrier or conveyer. 2,260,528; Oct. 28.

Lewis, Raymond, Los Angeles, Calif. Six wheel motor vehicle. 2,260,468; Oct. 28.

Liberty Electric Company. (See Weinhardt, C. J., and Gunthorp, assignors.)

Lilly, Eli, and Company. (See Kleiderer, E. C., and Van Arendonk, assignors.)

Lincks, George F., Pittsfield, Mass., assignor to General Electric Company. Electric circuit interrupter. 2,260,751; Oct. 28.

Lind, Arthur C., assignor to Chain Belt Company, Milwaukee, Wis. Triturating apparatus. 2,261,090; Oct. 28.

Linde Air Products Company, The. (See Clapp, Edwin A., assignor.)

Linde Air Products Company, The. (See Zenner, George H., assignor.)

Lindeman, James E., Evanston, assignor to W. H. Miner, Inc., Chicago, Ill. Shock absorber. 2,260,532; Oct. 28.

Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Ultra short wave system. 2,260,529; Oct. 28.

Line Material Company. (See Ruggieri, Michael, assignor.)

Linsell, Alfred A., London, England, assignor to Radio Corporation of America. Television receiver. 2,260,721; Oct. 28.

Livak, John E. (See Britton, E. C., and Livak.)

Loewe, Joe, Corporation. (See Cowling, Richard J., assignor.)

Loftus, Daniel W., Perry, Iowa. Snow fence. 2,260,948; Oct. 28.

L'Orange, Prosper, deceased, Stuttgart-Feuerbach, Germany; R. L'Orange, executor. Regulation of the supply of fuel to internal combustion engines. 2,260,688; Oct. 28.

L'Orange, Rudolf, executor. (See L'Orange, Prosper.)

Lorch, Otto, New York, N. Y. Production of indicia and like designs. 2,260,573; Oct. 28.

Lorentzen, Hans K., Montclair, N. J., assignor to Lorentzen Hardware Mfg. Corp., New York, N. Y. Machine for forcing fittings into the ends of wooden bars. 2,260,389; Oct. 28.

Lorentzen Hardware Mfg. Corp. (See Lorentzen, Hans K., assignor.)

Lorenz, Irvin H., Arlington, Calif. Sponge rubber brush. 2,260,390; Oct. 28.

Lorig, Clarence H., Columbus, Ohio, assignor, by mesne assignments of two-thirds to Interlake Iron Corporation, Chicago, Ill., and one-third to The Youngstown Sheet and Tube Company, Youngstown, Ohio. Malleableizing cast iron. 2,260,998; Oct. 28.
Lory, Marion R. (See Shutt, C. C., and Lory.)
Lovelace, William R. (See Boothby, W. M., Bulbulian, and Lovelace.)
Lovely, John E., assignor to Jones & Lamson Machine Company, Springfield, Vt. Rapid traverse mechanism for carriages and cross slides. 2,260,856; Oct. 28.
Lovett, Gordon E. (See Klingebiel, Richard J., assignor.)
Lovisek, Louis J., assignor to Parker-Kalon Corporation, New York, N. Y. Drop-back or supplemental backstop mechanism for heading apparatus. 2,261,066; Oct. 28.
Lovisek, Louis J., assignor to Parker-Kalon Corporation, New York, N. Y. Producing socket screw fasteners. 2,261,067; Oct. 28.
Low, Frank K., Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,260,722; Oct. 28.
Lowe, Joe, Corporation. (See Cowling, Richard J., assignor.)
Lubri-Zol Corporation, The. (See Asseff, Peter A., assignor.)
Luce, Richard W., Westfield, N. J. Lock nut. 2,260,531; Oct. 28.
Ludwig, Anthony, Washington, D. C. Photographic printing machine. 2,260,530; Oct. 28.
Luse, Dr. Fred D. (See Repass, Walter C., assignor.)
Lynch, Edward E., East Hampton, Mass., assignor to General Electric Company. Timing device. 2,260,838; Oct. 28.
Lytle, William O. (See Fox, J. H., and Lytle.)
Mackovich, John J., Norwalk, Conn. Fish lure. 2,261,068; Oct. 28.
MacMahon, James D. (See Dubeau, A. L., MacMahon, and Vincent.)
Madison-Kipp Corporation. (See Korsmo, Torbjorn C., assignor.)
Maguire, James F., South Orange, N. J., assignor to Reichhold Chemicals, Inc., Detroit, Mich. Waterproofing composition. 2,261,091; Oct. 28.
Mahlke, Wilhelm, Vienna, Germany. Elevator door lock. 2,260,912; Oct. 28.
Mall, Arthur W., Flossmoor, Ill. Portable belt sander. 2,260,940; Oct. 28.
Mallinckrodt Chemical Works. (See Bush, Milton T., assignor.)
Mangelsdorf, Theodore A. (See Goldsby, A. R., and Mangelsdorf.)
Mann, Charles W., Pomona, Calif., assignor to H. A. Wallace, Secretary of Agriculture of the United States of America and his successors in office. Circulating air in refrigerator cars. 2,260,999; Oct. 28.
Manning, Maxwell & Moore, Incorporated. (See Hopkins, Frank H., assignor.)
Marasso, Fred, assignor to Union Machinery Company, Joliet, Ill. Container cover locking mechanism. 2,260,752; Oct. 28.
Marchment, William T., Chiswick, London, assignor to Evershed & Vignoles Limited, London, England. Liquid level indicating apparatus. 2,260,913; Oct. 28.
Marino, Richard E., Pittsburgh, Pa. Automobile lock. 2,260,326; Oct. 28.
Markem Machine Company. (See Putnam, D. F., Robbins, and Cheeseman, assignors.)
Markwood, Louis N., Washington, D. C., assignor to C. R. Wickard as Secretary of Agriculture of the United States of America, and to his successors in office. Determining the alkaloid content of uncured tobacco. 2,260,677; Oct. 28.
Marple, Kenneth E., E. C. Shokal, and T. W. Evans, Oakland, assignors to Shell Development Company, San Francisco, Calif. Production of derivatives of epihalohydrins. 2,260,753; Oct. 28.
Marshall, Philip P., Ford City, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Glass bending mold. 2,261,033; Oct. 28.
Marshall, Thomas A. (See Brown, A., and Marshall.)
Martin, Erle, West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Hydraulic synchronizer. 2,260,469; Oct. 28.
Martin, Frank, Clovis, N. Mex. Vehicle wheel mounting device. 2,260,574; Oct. 28.
Martin, George E., Fairfax, Iowa. Husking rolls. 2,261,069; Oct. 28.
Martin, Glenn L., Company, The. (See Ferguson, Allen C., assignor.)
Martin, Glenn L., Company, The. (See Ranasey, John A., assignor.)
Martin & Schwartz, Inc. (See Nelson, David J., assignor.)
Masters, Paul G., Huntington Valley, assignor to Pennsylvania Wire Glass Company, Philadelphia, Pa. Ventilator for corrugated structures. 2,260,534; Oct. 28.
Mathieson Alkali Works, Inc., The. (See Dubeau, A. L., MacMahon, and Vincent, assignors.)
Mattern, Raymond P., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Metal clad switch. 2,260,754; Oct. 28.
Maude, Aylmer H., and S. G. Osborne, Niagara Falls, assignors to Hooker Electrochemical Company, New York, N. Y. Cyclic process for production of anhydrides of carboxylic acids. 2,260,391; Oct. 28.
Maulbetsch, John L., assignor to Kollmorgen Optical Corporation, Brooklyn, N. Y. Drift measuring instrument for aircraft. 2,260,575; Oct. 28.
May, Jack, assignor to Avex Limited, London, England. Treatment of agave fibers and residues and the like. 2,260,470; Oct. 28.
Maybach, Karl, assignor to Maybach-Motorenbau Gesellschaft mit beschrankter Haftung, Friedrichshafen-on-the-Bodensee, Germany. Device for safeguarding internal combustion engines against excessive speed and lubrication failure. 2,260,576; Oct. 28.
Maybach-Motorenbau G. m. b. H. (See Böttner, Carl, assignor.)
Maybach-Motorenbau Gesellschaft mit beschrankter Haftung. (See Maybach, Karl, assignor.)
McAlpine, Kenneth B., Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Apparatus for fining molten glass. 2,261,034; Oct. 28.
McArthur, Donald A., assignor to The Wean Engineering Company, Inc., Warren, Ohio. Coating sheets. 2,260,392; Oct. 28.
McBee Company, The. (See Welk, Nelson S., assignor.)
McCaffrey, Marion P. (See Ruddock, William, assignor.)
McCarroll, Edward W., and H. Hansen, Chicago, Ill.; said Hansen assignor to said McCarroll. Coin controlled locking mechanism. 2,260,950; Oct. 28.
McCarthy, Jeremiah, Bayonne, N. J., assignor to Standard Oil Development Company. Corrugated panels for linings for vessels. 2,260,393; Oct. 28.
McCollum, Henry J. De N., Evanston, Ill. Automobile heater. 2,260,535; Oct. 28.
McCollum, Henry J. De N., Evanston, Ill. Automobile heater. 2,260,536; Oct. 28.
McDonnell, Everett N., et al. (See Carlson, Elis F., assignor.)
McGar, Benjamin H., Marion, assignor to Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Producing copper-base-alloy rod or the like. 2,260,914; Oct. 28.
McGown, Earl J. (See Goodman, H., and McGown.)
McHugh, Philip M., assignor to Petree & Dorr Engineers, Inc., New York, N. Y. Clarifying cane sugar juice. 2,260,577; Oct. 28.
McKee, George K., Cincinnati, Ohio, assignor to The Avey Drilling Machine Company, Covington, Ky. Machine tool. 2,260,327; Oct. 28.
McKinnon, Archibald L., St. Catharines, Ontario, Canada, assignor to Columbus McKinnon Chain Corp., Tonawanda, N. Y. Article of manufacture. 2,260,629; Oct. 28.
McKinnon, Archibald L., St. Catharines, Ontario, Canada, and O. W. Winter, Grand Island, assignors to Columbus McKinnon Chain Corp., Tonawanda, N. Y. Making chains. 2,260,630; Oct. 28.
McLeod, John H., assignor to Eastman Kodak Company, Rochester, N. Y. Nonreflecting coating for glass. 2,260,471; Oct. 28.
Mechanical Plucker Corporation. (See Kittredge, John W., assignor.)
Meeker, Robert R. (See Cassell, P. E., and Meeker.)
Merrifield, John D., Rocky Ford, Colo. Weighing and packaging machine. 2,260,718; Oct. 28.
Merrifield, John D., Rocky Ford, Colo. Round belt construction. 2,260,719; Oct. 28.
Merritt, Frank R., Haverhill, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe heel. 2,260,472; Oct. 28.
Mesterton, Kuno W., Brooklyn, N. Y. Vegetable dicer. 2,261,095; Oct. 28.
Metropolitan Device Corporation. (See Rypinski, Albert B., assignor.)
Meyer, Henry F., St. Louis, Mo. Cloth shifting lever for cloth laying machines. 2,260,394; Oct. 28.
Meyer, William. (See Krone, H. C., and Meyer.)
Micro-Westco, Incorporated. (See Kottmann, Arthur A., assignor.)
Micro-Westco, Inc. (See Petskeyes, Charles H., assignor.)
Midland Steel Products Company, The. (See Mummery, Clyde W., assignor.)
Miescher, Karl, Riehen, and A. Wettstein, Basel, Switzerland, assignors, by mesne assignments, to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Manufacture of α- β-unsaturated ketones of the cyclopentanopolyhydrophenanthrene series. 2,260,328; Oct. 28.
Miguel, Antone, San Francisco, Calif. Door handle. 2,260,785; Oct. 28.
Millard, Maxwell D. V., Washington, D. C., assignor to The American Steel and Wire Company of New Jersey. Spring lay wire rope. 2,261,070; Oct. 28.
Miller, Carroll, Andrew, Iowa. Ice cream scoop. 2,260,689; Oct. 28.
Miller, Charles F., assignor to Jacquard Knitting Machine Co., Inc., Philadelphia, Pa. Knitting machine. 2,260,579; Oct. 28.
Miller, Ellis. (See Moore, M. L., and Miller.)
Miller, Frank W., assignor to Franclare Company, Chicago, Ill. Boiler replenishing system. 2,260,857; Oct. 28.

Miller, John W., and V. H. Hill, assignors to Motor Wheel Corporation, Lansing, Mich. Combustion apparatus. 2,260,839; Oct. 28.
Miller, Robert A., Tarentum, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Pressure relief diaphragm. 2,261,035; Oct. 28.
Milwaukee Electric Tool Corporation. (See Beckwith, Wendell K., assignor.)
Milwaukee Electric Tool Corporation. (See Johann, Albert S., assignor.)
Milwaukee Electric Tool Corporation. (See Siebert, A. F., and Beckwith, assignors.)
Minchillo, Pasquale, Medford, Mass. Nonglare headlight bulb for automobiles. 2,260,473; Oct. 28.
Miner, W. H., Inc. (See Haseltine, Stacy B., assignor.)
Miner, W. H., Inc. (See Lindeman, James E., assignor.)
Minneapolis-Honeywell Regulator Company. (See Mattern, Raymond P., assignor.)
Minneapolis-Honeywell Regulator Company. (See Peterson, Du Wayne J., assignor.)
Minnesota and Ontario Paper Company. (See Burton, John O., assignor.)
Minneapolis-Honeywell Regulator Company. (See Newton, Alwin B., assignor.)
Mitchell, Holger L., assignor to Koehring Company, Milwaukee, Wis. Swing crane mechanism. 2,260,631; Oct. 28.
Mitcheltree, Walter F. (See Caughey, C. H., and Mitcheltree.)
Mizer, Joseph J., assignor to Walker Manufacturing Company of Wisconsin, Racine, Wis. Lifting mechanism. 2,260,533; Oct. 28.
Monahan, Leo J., assignor to O'Donnell Shoe Company, Humboldt, Tenn. Conductive shoe. 2,261,072; Oct. 28.
Monroe Calculating Machine Company. (See Britten, Edwin F. Jr., assignor.)
Monsanto Chemical Company. (See Kistler, Samuel S., assignor.)
Monsanto Chemical Company. (See Kyrides, Lucas P., assignor.)
Moore, Maurice L., Drexel Hill, and E. Miller, Philadelphia, Pa. Acylaminobenzenesulphonhydroxyamides. 2,260,632; Oct. 28.
Moorman, Charles L., Blue Island, Ill. Power take-off for rolling stock. 2,260,633; Oct. 28.
Moos, Paul, Zug, Switzerland, assignor to Landis & Gyr, A-G. Coin-controlled setting mechanism for energy dispensing devices. 2,261,071; Oct. 28.
Morgan Construction Company. (See Hitchcock, J. H., and Keller, assignors.)
Morin, George G., and E. J. Carleton, Holyoke, Mass. Hydraulic device. 2,260,979; Oct. 28.
Morley, Edward W., Muntington Park, Calif. Wire-cleaning machine. 2,260,783; Oct. 28.
Morris, Lloyd P. (See Benton, H. Z., and Morris.)
Morris Packaging Equipment Company. (See Heft, Kenneth G. and G. L., and Rapp, assignors.)
Morse Chain Company. (See Bliss, H. N., and Fenton, assignors.)
Morthland, Glenn A., Los Angeles, Calif. Lap lock sheathing. 2,260,720; Oct. 28.
Morton, David C., Richmond, Va. Doweling jig. 2,260,784; Oct. 28.
Moseley, Francis L. (See Bond, D. S., and Moseley.)
Moss, William Henry, London, England, assignor to Celanese Corporation of America. Composition of matter containing a film-forming derivative of cellulose. 2,260,329; Oct. 28.
Motor Wheel Corporation. (See Miller, J. W., and Hill, assignors.)
Motz, Clarence A. (See Black, B. H., and Motz.)
Mudge, John R., Los Angeles, Calif. Thermal coil for gas tanks. 2,260,395; Oct. 28.
Mueller, Ervin H., Grosse Pointe Park, Mich. Gas cock. 2,260,474; Oct. 28.
Muhlbach, Alfred, Los Angeles, Calif. Core barrel. 2,260,678; Oct. 28.
Muhlenbruck, Roy F., Hampton, Iowa. Attachment for propellers. 2,260,786; Oct. 28.
Muldoon, Bernard F., Mountain View, N. J., assignor to H. Hyman, Brooklyn, N. Y. Flashlight head. 2,261,001; Oct. 28.
Muldoon, Bernard F., Mountain View, N. J., assignor to H. Hyman, Brooklyn, N. Y. Flashlight. 2,261,000; Oct. 28.
Mulliner, Ludwig, St. Paul, Minn. Combined spring and shock absorber. 2,260,634; Oct. 28.
Mulnix, Ersel C., Chicago, assignor of one-half to L. Joseph, Oak Park, Ill. Box. 2,260,951; Oct. 28.
Mummery, Clyde W., Detroit, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio. Combined tray, tank cover, and shelf. 2,260,915; Oct. 28.
Murke, Hans, Leverkusen-Schlebusch, Germany, assignor, by mesne assignments, to Jasco, Incorporated. Preparation of synthetic rubberlike materials. 2,260,475; Oct. 28.
Murray Corporation of America, The. (See Robinson, Karl A., assignor.)
Murray Corporation of America, The. (See Shanahan, Frank M., assignor.)
Murray, Thomas E., Brooklyn, N. Y. Automobile construction. 2,260,578; Oct. 28.
Musselman, Henry E., assignor to Atlas Press Company, Kalamazoo, Mich. Head and table adjusting mechanism for drill presses and the like. 2,260,635; Oct. 28.
Naef, Hans, Zurich, Switzerland. Dispensing device for making aromatic beverages. 2,260,858; Oct. 28.
Napier, D., & Son Limited. (See Halford, F. B., and Barlow, assignors.)
National Blank Book Company. (See Schade, Frank S., assignor.)
National Broach and Machine Company. (See Drummond, Robert S., assignor.)
National Cash Register Company, The. (See Elder, Irvin L., assignor.)
National Lead Company. (See Williams, Frederick B., assignor.)
National Paint, Varnish & Lacquer Association, Inc. (See Hoffman, Earl E., assignor.)
National Tube Company. (See Dunn, Jerry J., assignor.)
Naylor, William E., Ridgefield Park, N. J., assignor to Fink-Roselieve Co., Inc., New York, N. Y. Film clip. 2,260,476; Oct. 28.
Neal, Morris P., Villa Park, assignor to Ditto, Incorporated, Chicago, Ill. Duplicating apparatus. 2,260,330; Oct. 28.
Neff, Lucius S., Wauwatosa, assignor to Clum Manufacturing Company, Milwaukee, Wis. Diaphragm device. 2,260,636; Oct. 28.
Neilson, Albert R., Spokane, Wash. Steering unit for toy trucks and cars. 2,260,679; Oct. 28.
Nelsen, Marvin G., assignor of one-half to F. F. Rowell, Sr., Chicago, Ill. Traffic signaling device for vehicles. 2,260,680; Oct. 28.
Nelson, Charles E. (See Hanawalt, J. D., and Nelson.)
Nelson, David J., assignor to Martin & Schwartz, Inc., Salisbury, Md. Gasoline dispensing hose. 2,260,537; Oct. 28.
Neuland, Alfons H., Irvington, N. J. Hydraulic transmission. 2,260,859; Oct. 28.
New York Air Brake Company, The. (See Campbell, Charles A., assignor.)
New York Air Brake Company, The. (See Safford, Lewis A., assignor.)
Newell, William H., New York, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Time of flight signaling device. 2,260,980; Oct. 28.
Newton, Alwin B., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Air conditioning system. 2,260,477; Oct. 28.
Newton, Edwin E., Montreal, Quebec, C. A. Peachey, Ville La Salle, Quebec, and F. R. Reevely, St. Lambert, Quebec, Canada, assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for handling strands. 2,260,860; Oct. 28.
Nichols, Theodore R., and C. J. Ringer, Emsworth, Pa. Holder. 2,260,787; Oct. 28.
Nicholson, David B. (See Hamilton, J. H., and Nicholson.)
Niswander, Richard V. (See Roberts, C. H. M., and Niswander.)
Nolde and Horst Company, The. (See Wagenhorst, Lester D., assignor.)
North, Frank G., Inc. (See Floyd, Samuel R., assignor.)
Norton Company. (See Indge, Herbert S., assignor.)
Novack, Steve G., East St. Louis, Ill. Control mechanism for airplanes. 2,260,952; Oct. 28.
Nystrom, Carl W., deceased, by H. F. Stenman, administrator, Karlstad, Sweden. Sound recording and reproducing device. 2,260,861; Oct. 28.
Obermaier & Cie. (See Poetzsch, Oskar, assignor.)
O'Brien, Frank M., St. Petersburg, Fla. Fruit clipper. 2,260,724; Oct. 28.
O'Brien, Frederic L., and P. H. Estes, Rutherford, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Method of and apparatus for preparing facsimile master copies. 2,260,862; Oct. 28.
O'Donnell Shoe Company. (See Monahan, Leo J., assignor.)
Ohio Brass Company, The. (See Chandler, Homer P., assignor.)
Oil Country Specialties Manufacturing Company, The. (See Stanley, Fred D., assignor.)
Oil Devices. (See Breese, James L., assignor.)
Olds, Reginald B., Los Angeles, Calif. Piston valve for musical wind instruments. 2,260,723; Oct. 28.
Olson, Floyd. (See Goodman, S., and Olson.)
Orr, Palmer, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission synchronizer. 2,260,863; Oct. 28.
Osborne, Sidney G. (See Maude, A. H., and Osborne.)
Osgood, Charles F. (See Curtis, J. C., and Osgood.)
Ostler, Ernest S., and A. L. Denniston, Park Ridge, and C. S. Richardson, Harvey, Ill., assignors, by mesne assignments, to General Time Instruments Corporation, New York, N. Y. Time controlled system. 2,260,864; Oct. 28.
Otte, Otho M., Tarentum, Pa. Electrical steel and making the same. 2,260,397; Oct. 28.
Otte, Otho M., Tarentum, Pa. Transformer. 2,260,398; Oct. 28.
Otto, Carl L., Jr., Garden City, N. Y. Direction indicator. 2,260,396; Oct. 28.
Ovenhouse, Leroy B., Tampa, Fla. Automatic hydraulic brake for trailers. 2,260,637; Oct. 28.

Oxweld Acetylene Company. (See Jones, E. P., and Harris, assignors.)
Oxweld Acetylene Company. (See Scott, Marvin R., assignor.)
Painter, John R., Chattanooga, Tenn. Batteryless photo-flash lamp flasher. 2,261,073; Oct. 28.
Parker, Humphrey F., Detroit, Mich. Compressor system. 2,260,538; Oct. 28.
Parker-Kalon Corporation. (See Lovisek, Louis J., assignor.)
Parva Products Company. (See White, Paul W., assignor.)
Patentverwertungs-Gesellschaft mit beschränkter Haftung "Hermes." (See Hintze, R., and Pfaff, assignors.)
Patterson Screen Company, The. (See Swindells, Frank E., assignor.)
Payne, Oscar V., Leicester, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Harness connector for looms. 2,260,788; Oct. 28.
Peachey, Cyril A. (See Newton, E. E., Peachey, and Reevely.)
Pennsylvania Wire Glass Company. (See Masters, Paul G., assignor.)
Permutit Company, The. (See Goetz, Paul C., assignor.)
Pet Milk Company. (See Bettis, Edward S., assignor.)
Peter, Kurt, Bronx, N. Y. Table. 2,260,478; Oct. 28.
Peters and Russell, Inc. (See Russell, Linus E., assignor.)
Peters, Melville F., Beltsville, Md., and G. F. Blackburn, Washington, D. C. Ignition system for internal combustion engines. 2,260,331; Oct. 28.
Peters, Melville F., Beltsville, and H. K. King, Bethesda, Md. Spark plug. 2,260,399; Oct. 28.
Peterson, Carl D., and A. H. Deimel, Toledo, Ohio. Brake for transmission mechanism including a hydraulic coupling. 2,260,580; Oct. 28.
Peterson, Du Wayne J., Chicago, Ill., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Burner control system. 2,261,092; Oct. 28.
Peterson, Helge O., Chicago, Ill. Apparatus for the extraction of juices. 2,260,865; Oct. 28.
Petree & Dorr Engineers, Inc. (See McHugh, Philip M., assignor.)
Petrolite Corporation. (See Roberts, C. H. M., and Niswander, assignors.)
Petskeyes, Charles H., Davenport, assignor to Micro-Westco, Inc., Bettendorf, Iowa. Method of and apparatus for packaging articles. 2,260,332; Oct. 28.
Pfaff, Peter. (See Hintze, R., and Pfaff.)
Pfost, Leslie C., assignor to Young Radiator Company, Racine, Wis. Sectional core heat exchanger. 2,260,638; Oct. 28.
Phillips, Paul L., Hartford, Conn. Safety razor. 2,260,333; Oct. 28.
Phillips, Stanley S., Norwood, assignor to Bird & Son, Inc., East Walpole, Mass. Insulated ornamental siding material. 2,260,334; Oct. 28.
Picking, Ernest C., Coventry, assignor to Alfred Herbert Limited, Edgwick, Coventry, England. Adjustable drawing die. 2,260,479; Oct. 28.
Pieper, Oscar H., Rochester, N. Y. Unitary dental apparatus. 2,261,036; Oct. 28.
Pierce, John B., Foundation. (See Groeniger, William C., assignor.)
Pinotti, Fred D., Landis Township, Cumberland County, assignor to Kimble Glass Company, Vineland, N. J. Tool for shaping glass vials. 2,261,074; Oct. 28.
Pittsburgh-Corning Corporation. (See Wiley, Otis W., assignor.)
Pittsburgh Plate Glass Company. (See Fox, J. H., and Lytle, assignors.)
Pittsburgh Plate Glass Company. (See Galey, Henry J., assignor.)
Pittsburgh Plate Glass Company. (See Marshall, Philip P., assignor.)
Pittsburgh Plate Glass Company. (See McAlpine, Kenneth B., assignor.)
Pittsburgh Plate Glass Company. (See Miller, Robert A., assignor.)
Pittsburgh Plate Glass Company. (See Sherts, James H., assignor.)
Place, Bion C., assignor of one-half to G. E. Gagnier, Detroit, Mich. Fastener. 2,260,690; Oct. 28.
Plax Corporation. (See Dalin, George A., assignor.)
Plax Corporation. (See Kopitke, William H., assignor.)
Poetzsch, Oskar, Neustadt-on-the-Weinstrasse, assignor to Obermaier & Cie, Neustadt-on-the-Haardt, Germany. Bobbin for the wet treatment of artificial silk spinning cake. 2,260,755; Oct. 28.
Pollak Manufacturing Company. (See Davies, Henry H., assignor.)
Pollard, Gurdon T., Denver, Colo. Fluid transmission. 2,260,581; Oct. 28.
Popov, Vladimir D., Prague-Bubenec, Czechoslovakia. Weighing apparatus. 2,260,691; Oct. 28.
Postal Telegraph-Cable Company (New York). See Hallden, Frederick G., assignor.)
Posture Research Corporation. (See Jones, Arthur E., assignor.)
Potdevin, Adolph, Garden City, assignor to Potdevin Machine Company, Brooklyn, N. Y. Printing machine. 2,260,402; Oct. 28.
Potdevin Machine Company. (See Potdevin, Adolph, assignor.)
Pott, Alfred, and H. Broche, Essen-Ruhr, assignors to Gewerkschaft Mathias Stinnes, Essen, Germany. Producing readily inflammable solid fuels and driving substances. 2,261,075; Oct. 28.
Potwin, Julian C., assignor to Pratt, Read & Company, Ivorgton, Conn. Piano action. 2,260,335; Oct. 28.
Poupitch, Ougliesa J., assignor to Illinois Tool Works, Chicago, Ill. Surface testing and recording machine. 2,261,093; Oct. 28.
Powell, Raymond E., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Welding apparatus. 2,260,866; Oct. 28.
Powell, William M., Milwaukee, Wis. Flashlight billy. 2,260,639; Oct. 28.
Prahl, Frederick A., Jr., Danvers, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Apparatus for use in the repair of shoes. 2,260,480; Oct. 28.
Pratt, Best, assignor to Brake Equipment & Supply Co., Chicago, Ill. Thermostatic valve. 2,260,692; Oct. 28.
Pratt, Read & Company. (See Betz, William G., assignor.)
Pratt, Read & Company. (See Gould, James A., assignor.)
Pratt, Read & Company. (See Potwin, Julian C., assignor.)
Pratt, Read & Co. (See Stein, Charles Frederick, assignor.)
Prescott, Ralph F., R. C. Dosser, and J. J. Sculati, assignors to The Dow Chemical Company, Midland, Mich. Preparation of organic borates. 2,260,336; Oct. 28.
Prescott, Ralph F., R. C. Dosser, and J. J. Sculati, assignors to The Dow Chemical Company, Midland, Mich. Alkoxy-aryl borate. 2,260,337; Oct. 28.
Prescott, Ralph F., R. C. Dosser, and J. J. Sculati, assignors to The Dow Chemical Company, Midland, Mich. (Tertiarybutyl-aryl) borates. 2,260,338; Oct. 28.
Prescott, Ralph F., R. C. Dosser, and J. J. Sculati, assignors to The Dow Chemical Company, Midland, Mich. (Cyclohexyl-aryl) borates. 2,260,339; Oct. 28.
Preston, Victor, assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich. Motor vehicle. 2,260,403; Oct. 28.
Price, Lawrence J., Concord, N. C. Cam shaft box support. 2,260,681; Oct. 28.
Proctor & Schwartz, Incorporated. (See Bokum, William F., assignor.)
Pross, William C. (See Frie, J. R., and Pross.)
Pump Engineering Service Corporation. (See Johnson, James P., assignor.)
Putnam, David F., and C. F. Robbins, Keene, and C. H. Cheeseman, Marlboro, N. H. Marking machine. 2,260,400; Oct. 28.
Quadrex Corporation. (See Leathers, Ward, assignor.)
Rabbitt, James R. (See D'Arcy, G. A., and Rabbitt.)
Radio Corporation of America. (See Blaney, Arthur C., assignor.)
Radio Corporation of America. (See Bond, Donald S., assignor.)
Radio Corporation of America. (See Bond, D. S., (assignor), and Moseley.)
Radio Corporation of America. (See Brady, R. F., and Weathers, assignors.)
Radio Corporation of America. (See Collins, Milford E., assignor.)
Radio Corporation of America. (See Cooper, Donald T., assignor.)
Radio Corporation of America. (See Hoehn, John J., assignor.)
Radio Corporation of America. (See Kreuzer, Barton, assignor.)
Radio Corporation of America. (See Lindenblad, Nils E., assignor.)
Radio Corporation of America. (See Linsell, Alfred A., assignor.)
Radio Corporation of America. (See Richards, C. L., and Rinia, assignors.)
Radio Keith Orpheum Corporation. (See Cunningham, H. G., and Willson, assignors.)
Ranasey, John A., assignor to The Glenn L. Martin Company, Baltimore, Md. Aircraft construction. 2,260,481; Oct. 28.
Raphael, Harold A., Bellflower, Calif. Weight indicator. 2,260,401; Oct. 28.
Rapp, Earl J. (See Heft, Kenneth G. and G. L., and Rapp.)
Rappl, Anton, Eggertsville, assignor to Trico Products Corporation, Buffalo, N. Y. Pump. 2,260,867; Oct. 28.
Rappl, Anton, Eggertsville, assignor to Trico Products Corporation, Buffalo, N. Y. Pump for accessory systems. 2,260,868; Oct. 28.
Rawling, Francis G., and W. M. Welton, Piedmont, W. Va., assignors to West Virginia Pulp and Paper Company, New York, N. Y. Treating seeds rich in protein. 2,260,640; Oct. 28.
Readex Microprint Corporation. (See Boni, A., and Goldberg, assignors.)

Readex Microprint Corporation. (See Boni, A., and Richardson, assignors.)
Reaves, Edward G., Kannapolis, N. C. Switch. 2,261,076; Oct. 28.
Rebold, Rudolph, New York, N. Y. Thiosteroid and producing the same. 2,260,953; Oct. 28.
Reed Roller Bit Company. (See Childs, William L., assignor.)
Reed Roller Bit Company. (See Hoffoss, John E., assignor.)
Reevely, Frederic R. (See Newton, E. E., Peachey, and Reevely.)
Refining, Inc. (See Thurman, Benjamin H., assignor.)
Reichhold Chemicals, Inc. (See Hovey, A. G., and Hodgins, assignors.)
Reichhold Chemicals, Inc. (See Maguire, James F., assignor.)
Reid, Frederick M., assignor to Fruehauf Trailer Company, Detroit, Mich. Tractor-trailer brake mechanism. 2,260,641; Oct. 28.
Reinhardt, Henry A., Amsterdam, N. Y., assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Needled fabric and making the same. 2,261,096; Oct. 28.
Reinhold, Oscar A. (See Anderson, Herbert W. and P. R., assignors.)
Repass, Walter C., assignor of one-half to Dr. F. D. Luse, Portland, Oreg. Violin string anchoring means. 2,260,756; Oct. 28.
Resinous Products & Chemical Company, The. (See Bruson, Herman A., assignor.)
Rex Research Corporation. (See Hedenburg, Oscar F., assignor.)
Rhode Island Humidifier & Ventilating Co. (See D'Arcy, G. A., and Rabbitt, assignors.)
Rial, Thomas A., Vandalia, Mo. Electric heating device for oil and gas wells. 2,260,916; Oct. 28.
Richardi, Daniel G., Jersey City, N. J. Toilet seat and cover therefor. 2,260,404; Oct. 28.
Richards, Claude L., and H. Rinia, Eindhoven, Netherlands, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electron beam deflection apparatus. 2,260,725; Oct. 28.
Richardson, Clyde S. (See Ostler, E. S., Denniston, and Richardson.)
Richardson Company, The. (See Keller, Charles L., assignor.)
Richardson, Luther L. (See Boni, A., and Richardson.)
Richter, Hans, assignor to G. F. Gerdts, Bremen, Germany. Outflow regulator for petroleum separators. 2,260,789; Oct. 28.
Ringer, Clyde J. (See Nichols, T. R., and Ringer.)
Rinia, Herre. (See Richards, C. L., and Rinia.)
Ritter, David M., Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Organic nitrogen compounds. 2,261,002; Oct. 28.
Robbins, Charles F. (See Putnam, D. F., Robbins and Cheeseman.)
Robbins, Wilbur E., Norco, La., and R. R. Zundel, Wood River, Ill., assignors to Shell Development Company, San Francisco, Calif. Inhibiting the oxidation of hydrocarbons. 2,260,683; Oct. 28.
Roberts, Claudius H. M., San Marino, and R. V. Niswander, Long Beach, Calif., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Composition and process for treating emulsions. 2,260,757; Oct. 28.
Roberts, Gordon A., Grosse Points, Mich. Visor. 2,260,482; Oct. 28.
Roberts, William T. B., Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Trimming machine. 2,260,483; Oct. 28.
Robinson, Karl A., assignor to The Murray Corporation of America, Detroit, Mich. Spring construction. 2,260,954; Oct. 28.
Roblin, Richard O., Jr., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Diaralkyl cyanamides. 2,260,642; Oct. 28.
Robson, Hector H., Scarsdale, N. Y., assignor to United Fruit Company, Boston, Mass. Automatic expansion valve. 2,260,682; Oct. 28.
Roby, Frank H., Milwaukee, Wis., assignor to Square D Company, Detroit, Mich. Method and system of welder control. 2,260,405; Oct. 28.
Roche, Clifton R., Los Angeles, Calif. Governor for automatic transmission. 2,260,406; Oct. 28.
Roethe, Patrick H., assignor to Ditto, Incorporated, Chicago, Ill. Sheet assembling machine. 2,260,582; Oct. 28.
Rolph, Thomas W., Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Luminaire. 2,260,693; Oct. 28.
Root, Charles F., assignor to The Chandler & Price Company, Cleveland, Ohio. Sheet feeding mechanism for printing presses. 2,260,684; Oct. 28.
Rosan, Joseph, Upper Darby, Pa. Vending machine. 2,260,643; Oct. 28.
Rosenbaum, Harry S., Baltimore, Md. Lower rail for Venetian blinds. 2,260,726; Oct. 28.
Ross, Oscar A. (See Ruben, Samuel, assignor.)
Rowe, Hobart E., Pittsfield, Mass., assignor to General Electric Company. Temperature control system. 2,260,840; Oct. 28.
Rowell, Frank F., Sr. (See Nelsen, Marvin G., assignor.)
Ruben, Samuel, New Rochelle, assignor to O. A. Ross, New York, N. Y. Voltage converter tube. 2,260,758; Oct. 28.
Rudd, Raymonde F., Aston, Birmingham, England, assignor to The Timken Roller Bearing Company, Canton, Ohio. Axle-box and other bearing mountings. 2,260,955; Oct. 28.
Ruddock, William, South Pasadena, assignor of one-half to M. P. McCaffrey, Los Angeles, Calif. Tractor shovel. 2,260,539; Oct. 28.
Ruesenberg, Carl A., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Friction clutch plate. 2,260,869; Oct. 28.
Ruggieri, Michael, Stroudsburg, Pa., assignor to Line Material Company, South Milwaukee, Wis. Insulator pin. 2,260,917; Oct. 28.
Rumsey, Walker E., Van Nuys, Calif. Door and frame for moving picture sets. 2,260,484; Oct. 28.
Ruskin, Simon L., New York, N. Y. Medicinal preparation. 2,260,870; Oct. 28.
Rust, John B., West Orange, N. J., assignor to Ellis-Foster Company. Water repellent and making same. 2,261,097; Oct. 28.
Russell, Linus E., assignor to Peters and Russell, Inc., Springfield, Ohio. Exhaust pipe deflector. 2,260,841; Oct. 28.
Russell, William J., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Heating unit. 2,260,790; Oct. 28.
Russell, William J., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Heater unit. 2,260,793; Oct. 28.
Rypinski, Albert B., Laurelton, assignor to Metropolitan Device Corporation, Brooklyn, N. Y. Circuit breaker. 2,260,583; Oct. 28.
Safford, Lewis A., Watertown, N. Y., assignor to The New York Air Brake Company. Air brake. 2,260,485; Oct. 28.
Salsbury Corporation. (See Burns, Bruce, assignor.)
Salt Water Control Inc. (See Erwin, Ransome W., assignor.)
Sausedde, Claude, assignor to Detroit Hydrostatic Brake Corporation, Detroit, Mich. Hydrostatic brake. 2,260,340; Oct. 28.
Savage Bros. Company. (See Segrin, Oscar E., assignor.)
Sawyer, Roscoe H., Christiana, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Self-flocculating dispersible pigments and making the same. 2,260,871; Oct. 28.
Scafe, Eugene T., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Stabilized fuel oil. 2,261,003; Oct. 28.
Schade, Frank S., assignor to National Blank Book Company, Holyoke, Mass. Transparent folder and indexing means for carrying loose-leaf sheets. 2,260,407; Oct. 28.
Schmeck, Paul, Siegen, Germany. Copy printing machine. 2,260,486; Oct. 28.
Schmidt, Theodore R. H., Forks, Wash. Animal trap. 2,260,872; Oct. 28.
Schmitz, Hubert A., Ottawa, and L. H. Wortkoetter, Glandorf, Ohio. Beet blocking machine. 2,260,685; Oct. 28.
Schnuck, Carl F., New Haven, assignor to Farrel-Birmingham Company, Inc., Ansonia, Conn. Apparatus for handling rolls or the like during flame hardening process. 2,260,919; Oct. 28.
Schott, John E., New York, N. Y., assignor to Tide Water Associated Oil Company, Bayonne, N. J. Lubricating oil composition. 2,260,341; Oct. 28.
Schramm, Carl, North Coventry, assignor to The Smyth Manufacturing Company, Hartford, Conn. Collating machine. 2,260,540; Oct. 28.
Schuck, John and W. W., Struthers, Ohio, assignors to Frank M. Hoover, Inc. Baby hammock. 2,260,584; Oct. 28.
Schuck, Walter W. (See Schuck, John and W. W.)
Schuessler, L. Ray. (See Hamilton, Francis C., assignor.)
Schultz, Carlton, Cleveland Heights, Ohio. Partition wall base. 2,261,077; Oct. 28.
Schultze, Paul, assignor to Doran Brothers, Incorporated, Danbury, Conn. Pouncing machine. 2,260,956; Oct. 28.
Schultze, Paul, assignor to Doran Brothers, Incorporated, Danbury, Conn. Apparatus for greasing and luring hats. 2,260,957; Oct. 28.
Schutte & Koerting Company. (See Gerber, Walter, assignor.)
Schwab, Martin C., Chicago, Ill. Liquid dispensing apparatus. 2,261,037; Oct. 28.
Schwarzhaupt, Paul J., Scotia, N. Y., assignor to General Electric Company. Electric capacitor. 2,260,842; Oct. 28.
Schwenn, Kurt R. H., New York, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Settable counter for indicating instruments. 2,260,541; Oct. 28.
Scott, Floyd L., assignor to Hughes Tool Company, Houston, Tex. Fluid deflector for well drills. 2,260,487; Oct. 28.
Scott, Marvin R., Cleveland, Ohio, assignor to Oxweld Acetylene Company. Multiflame welding tip. 2,260,342; Oct. 28.

Scott, Samuel S. (See Crecca, J. D., Scott, and Candy.)
Scott & Williams, Incorporated. (See Allen, John M., assignor.)
Screw Conveyor Corporation. (See Kozak, Joseph L., assignor.)
Sculati, John J. (See Prescott, R. F., Dosser, and Sculati.)
Sears, Sterling G., Garden City, and W. T. Weidenman, Sr., Spring Valley, assignors to Telephonics Corporation, New York, N. Y. Contact microphone. 2,260,727; Oct. 28.
Secretary of Agriculture of the United States of America, Wallace, Henry A., and his successors in office. (See Mann, Charles W., assignor.)
Secretary of Agriculture of the United States of America, and to his successors in office, Wickard, Claude A., as. (See Markwood, Louis N., assignor.)
Seffker, Herman C., Freeport, N. Y. Apparatus for increasing economy of carburetor engines. 2,260,408; Oct. 28.
Segrin, Oscar E., assignor to Savage Bros. Company, Chicago, Ill. Coating machine. 2,260,686; Oct. 28.
Seiberlich Chemical Corporation. (See Seiberlich, Joseph K. H., assignor.)
Seiberlich, Joseph K. H., Brookline, Mass., assignor to Seiberlich Chemical Corporation. Gelatinized nitrocellulose and making same. 2,260,343; Oct. 28.
Self, Thomas C., Martinsville, Va. Bookstand. 2,260,694; Oct. 28.
Self, Thomas C., Martinsville, Va. Bookstand. 2,260,695; Oct. 28.
Senauke, Alexander, New York, assignor to AmpereX Electronic Products, Inc., Brooklyn, N. Y. Amplification and modulation. 2,260,585; Oct. 28.
Servel, Inc. (See Hainsworth, William R., assignor.)
Shaffer, William D., Brea, Calif. High pressure flange packing. 2,260,542; Oct. 28.
Shank, Charles M. (See Buccicone, D., and Shank.)
Shanahan, Frank M., assignor to The Murray Corporation of America, Detroit, Mich. Seat construction. 2,260,981; Oct. 28.
Shapiro, Samuel, New York, N. Y. Folded sheet. 2,260,488; Oct. 28.
Shapiro & Son Curtain Corporation. (See Goodman, S., and Olson, assignors.)
Shartle, Charles W., Jr. (See Wittlinger, F. M., and Shartle.)
Shaw, Stanley W., Galesburg, Kans. Tractor. 2,260,344; Oct. 28.
Sheldon, Ross I., Denver, Colo. Portable bar. 2,260,586; Oct. 28.
Shell Development Company. (See Marple, K. E., Shokal, and Evans, assignors.)
Shell Development Company. (See Robbins, W. E., and Zundel, assignors.)
Shenk, Robert H., assignor to J. A. Zurn Manufacturing Company, Erie, Pa. Interceptor for drain lines. 2,260,920; Oct. 28.
Sherts, James H., Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Window panel mounting. 2,261,038; Oct. 28.
Shields, James J., Longmont, Colo. Flexible conveyer. 2,260,587; Oct. 28.
Shockey, Franklin P., Oak Park, Ill. Shelf and mounting therefor. 2,261,078; Oct. 28.
Shokal, Edward C. (See Marple, K. E., Shokal, and Evans.)
Shutt, Charles C., Lima, Ohio, and M. R. Lory, Irwin, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Squirrel-cage winding. 2,261,039; Oct. 28.
Sibley, Charles R., Marblehead, assignor to Sibley-Pym Corporation, Lynn, Mass. Winding machine. 2,260,921; Oct. 28.
Sibley-Pym Corporation. (See Sibley, Charles R., assignor.)
Siebert, Albert F., Milwaukee, and W. K. Beckwith, Shorewood, assignors to Milwaukee Electric Tool Corporation, Milwaukee, Wis. Abrasive disk support. 2,260,644; Oct. 28.
Sigler, Harold. (See Elliott, Thomas S., Sr., assignor.)
Sim, La. New Orleans, La. Tape dispensing machine. 2,260,489; Oct. 28.
Simmons Company. (See Woller, Edward E., assignor.)
Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Brake. 2,260,645; Oct. 28.
Skinner, Clifton R., San Francisco, Calif. Film reel. 2,260,873; Oct. 28.
Skinner, Eleanor C. (See Day, H. G., and Skinner assignor.)
Skinner, William E. (See Day, H. G., and Skinner.)
Slotterbeck, Ober C., Elizabeth, N. J., and S. W. Tribit, New York, N. Y., assignors to Standard Oil Development Company. Preparation of maleic acid. 2,260,409; Oct. 28.
Smallcomb, Thomas F. (See Barr, J. M., and Smallcomb.)
Smith, Carleton N., Rocky River, Ohio, assignor to Carbide and Carbon Chemicals Corporation. Coloring plastic resins. 2,260,543; Oct. 28.
Smith, David M., Hermosa Beach, and W. H. Fisher, assignors to Emsco Derrick & Equipment Company, Los Angeles, Calif. Bearing construction. 2,260,345; Oct. 28.
Smith, George S., Seattle, Wash. Magnetic flux meter. 2,260,589; Oct. 28.
Smith, Henry B., assignor to Eastman Kodak Company, Rochester, N. Y. Polyvinyl acetal resin sheets containing tributyl citrate. 2,260,410; Oct. 28.
Smith, James C., Buffalo, N. Y. Combined cigar lighter and instrument panel lamp for vehicles. 2,260,588; Oct. 28.
Smith, Marguerite M., Columbus, Ohio. Article holder for drinking glasses. 2,260,411; Oct. 28.
Smyth Manufacturing Company, The. (See Schramm, Carl, assignor.)
Socony-Vacuum Oil Company. (See Scafe, Eugene T., assignor.)
Somervell, Somervell B., Kenmore, N. Y. Elevator car shoe hydraulic stabilizer. 2,260,728; Oct. 28.
Sorokin, Michael A., Milford, assignor to Jenkins Bros., Bridgeport, Conn. Valve stem. 2,260,646; Oct. 28.
Southern Steel Company. (See White, Loyd J., assignor.)
Speakman, John B., Far Headingley, Leeds, England. Treatment of keratins. 2,261,094; Oct. 28.
Specialties Development Company. (See Helgis, Henry E., assignor.)
Specialties Development Corporation. (See Stellhorn, August L., assignor.)
Speck, John P., assignor to The Tiffin Art Metal Company, Tiffin, Ohio. Panel section. 2,260,590; Oct. 28.
Spencer, Joseph V., Loudonville, assignor of one-half to N. F. Flater, Lathans, N. Y. Device for supporting collapsible tubes and dispensing the contents thereof. 2,260,346; Oct. 28.
Sperry Gyroscope Company. (See Bond, D. S., and Moseley, assignors.)
Spiro, Walter, assignor, by mesne assignments, to Elevator Safety Corporation, New York, N. Y. Fluid controlled guide for elevator cars. 2,260,922; Oct. 28.
Sproule, Donald O., assignor of one-third to Henry Hughes & Son, Limited, London, and one-third to A. J. Hughes, Chigwell Row, Essex, England. Echo sounding apparatus. 2,260,347; Oct. 28.
Square D Company. (See Roby, Frank H., assignor.)
Standard Oil Company of California. (See Anfenger, Maximilian B., assignor.)
Standard Oil Development Company. (See McCarthy, Jeremiah, assignor.)
Standard Oil Development Company. (See Slotterbeck, O. C., and Tribit, assignors.)
Standard Oil Development Company. (See Whiteley, J. M., and Turner, assignors.)
Standard Oil Development Company. (See Wrightsman, Lawrence S., assignor.)
Standard Railway Devices Company. (See Bonsall, Charles D., assignor.)
Standard Railway Devices Company. (See West, Victor E., assignor.)
Standard Railway Devices Company. (See Zeidler, Kurt E., assignor.)
Standard Railway Equipment Manufacturing Company. (See Crede, Charles E., assignor.)
Standard Railway Equipment Manufacturing Company. (See Gilpin, Garth G., assignor.)
Stange, Ferdinand F. (See Arterton, A. W., and Stange.)
Stanley, Fred D., assignor to The Oil Country Specialties Manufacturing Company, Coffeyville, Kans. Polish rod clamp. 2,260,544; Oct. 28.
Stark, Gottfried, Berlin-Niederschoneweide, Germany, assignor to General Electric Company. Oscillation generation. 2,260,545; Oct. 28.
Starline, Inc. (See Ferris, Robert G., assignor.)
Start, Ernest. (See Start, Harry W. and E.)
Start, Harry W., Carlton, and E. Start, Wilford, assignors to George Blackburn and Sons Limited, Nottingham, England. Straight-bar knitting machine. 2,261,079; Oct. 28.
Stein, Charles F., Chicago, Ill., assignor to Pratt, Read & Co., Inc., Ivoryton, Conn. Movable rest rail for piano action abstracts. 2,260,348; Oct. 28.
Steinhardt, Irving, New York, N. Y. Puzzle. 2,261,040; Oct. 28.
Stellhorn, August L., Packanack Lake, assignor to Specialties Development Corporation, Bloomfield, N. J. High pressure fluid medium distribution system. 2,261,080; Oct. 28.
Stelzer, Bertell, Los Angeles, Calif. Hydraulic brake booster. 2,260,490; Oct. 28.
Stelzer, Bertell, Detroit, Mich. Hydraulic braking system. 2,260,491; Oct. 28.
Stelzer, Bertell, Detroit, Mich. Booster for hydraulic braking systems. 2,260,492; Oct. 28.
Stenman, Henrik F., as administrator. (See Nystrom, Carl W.)
Stephens-Adamson Manufacturing Company. (See Kendall, Myron A., assignor.)
Stephens, George H., Glencoe, assignor to Hammond Instrument Company, Chicago, Ill. Key action for musical instruments. 2,260,412; Oct. 28.
Steudel, George E., Chicago, Ill. Apparatus for testing interior furnace conditions. 2,260,794; Oct. 28.
Stewart, Robert J., and H. H. Franz, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Capping mechanism. 2,260,349; Oct. 28.
Stewart-Warner Corporation. (See Whitted, John B., assignor.)

Stillwell, Albert L., Westfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Amplifier. 2,260,493; Oct. 28.
Stoner-Mudge, Inc. (See Young, George H., assignor.)
Story, Le Roy G., White Plains, assignors to The Texas Company, New York, N. Y. Manufacture of motor fuel. 2,261,004; Oct. 28.
Stout, Raymond K., and T. B. Holliday, Dayton, Ohio. Switching device. 2,260,350; Oct. 28.
Strawn, Marion L., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Method of forming billets. 2,260,351; Oct. 28.
Strong, Arthur J., Highland Park, Mich. Centerless grinding machine. 2,260,843; Oct. 28.
Struthers Wells-Titusville Corporation. (See How, Harlan W., assignor.)
Stuart, Elizabeth R. B. et al. (See Annen, James E., assignor.)
Stuart, Kimberly et al. (See Annen, James E., assignor.)
Suchy, Adolph C. (See Kibitz, H., Suchy, and Droll.)
Sullivan Machinery Company. (See Curtis, J. C., and Osgood, assignors.)
Sullivan Machinery Company. (See Ferguson, Alexander D., assignor.)
Summit Mold and Machine Company. (See Brundage, James W., assignor.)
Surdy, Charles J., Tuckahoe, N. Y. Automotive transmission. 2,260,759; Oct. 28.
Sweeney, John B., McKeesport, Pa. Melting and drying machine. 2,261,006; Oct. 28.
Swindells, Frank E., assignor to The Patterson Screen Company, Towanda, Pa. Luminescent screen. 2,260,924; Oct. 28.
Talbot, Howard H., assignor to United Engineering and Foundry Company, Pittsburgh, Pa. Reciprocating flying shear. 2,261,007; Oct. 28.
Talon, Inc. (See Bailey, Perkins H., assignor.)
Talon, Inc. (See Fowler, Carl S., assignor.)
Taylor, Auburn, Charleston, W. Va. Roller set gauge. 2,260,413; Oct. 28.
Telephonics Corporation. (See Sears, S. G., and Weidenman, assignors.)
Tennant, Ross A., Fairmont, W. Va. Orthopedic device. 2,261,041; Oct. 28.
Ternstedt Manufacturing Company. (See Field, Herbert C., assignor.)
Terroni, Teseo B. D., Broadgreen, Liverpool, assignor to Automatic Telephone & Electric Company, Limited, London, England. Electrical filter. 2,260,494; Oct. 28.
Testori, John B., Detroit, Mich. Signaling system. 2,260,648; Oct. 28.
Texas Company, The. (See Goldsby, A. R., and Korpi, assignors.)
Texas Company, The. (See Goldsby, A. R., and Mangelsdorf, assignors.)
Texas Company, The. (See Knowles, Edwin C., assignor.)
Texas Company, The. (See Korpi, K., and Goldsby, assignors.)
Texas Company, The. (See Story, Le Roy G., assignor.)
Texas Electric Steel Casting Company. (See Wittlinger, F. M., and Shartle, assignors.)
Thaheld, Feri A., assignor to Gulberson Diesel Engine Company, Dallas, Tex. Pumping means for internal combustion engines. 2,260,414; Oct. 28.
Thomas, Henry P., Schenectady, N. Y., assignor to General Electric Company. Ultra high frequency converter. 2,260,844; Oct. 28.
Thomasset, Paul A., St. George, Staten Island, assignor to Ansbacher Siegle Corporation, Brooklyn, N. Y. Pigment testing device. 2,260,729; Oct. 28.
Thompson, Henry C., and A. De Stefano, Bogota, assignors to Bergen Plastics, Incorporated, Bogota Township, Bergen County, N. J. Snap-on clothespin. 2,261,005; Oct. 28.
Thompson, James P., Louisville, Ky. Fish trap-hook. 2,260,923; Oct. 28.
Thurman, Benjamin H., Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev. Refining of animal and vegetable oils. 2,260,730; Oct. 28.
Thurman, Benjamin H., Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev. Refining animal and vegetable oils. 2,260,731; Oct. 28.
Thurston, Ernest B., and O. Hohnecker, assignors to The Houghton Elevator Company, Toledo, Ohio. Moving stairway. 2,260,591; Oct. 28.
Tide Water Associated Oil Company. (See Schott, John E., assignor.)
Tiffin Art Metal Company, The. (See Speck, John P., assignor.)
Times Telephoto Equipment Inc. (See Cooley, Austin G., assignor.)
Timken Roller Bearing Company, The. (See Rudd, Raymonde F., assignor.)
Tingley, George R., assignor, by mesne assignments, to Cinema-Television Limited, London, England. Controlling the deflection of cathode ray and like beams. 2,260,546; Oct. 28.
Tomson, Albert R., assignor to Lamac Store Fixture Company, Milwaukee, Wis. Beer cooler. 2,260,958; Oct. 28.
Tracy, Marion M. (See Tracy, Mearl V., assignor.)
Tracy, Mearl V., Sacramento, assignor of one-half to M. M. Tracy, Pasadena, Calif. Portable table saw. 2,260,421; Oct. 28.
Trapani, Paul, New York, N. Y. Combination seat and back. 2,260,352; Oct. 28.
Tribit, Samuel W. (See Slotterbeck, O. C., and Tribit.)
Trico Products Corporation. (See Buchmann, Louis, assignor.)
Trico Products Corporation. (See Horton, Erwin C., assignor.)
Trico Products Corporation. (See Hueber, Henry C., assignor.)
Trico Products Corporation. (See Rappl, Anton, assignor.)
Tropic-Aire, Incorporated. (See Will, C. H., and Fink, assignors.)
Tung-Sol Lamp Works Inc. (See Fidler, Robert H., assignor.)
Turner, Howard H., assignor of twenty-four and one-half per cent to C. E. Joslin, and twenty-four and one-half per cent to M. E. Joslin, Inglewood, Calif. Weather strip. 2,260,649; Oct. 28.
Turner, Luther B. (See Whiteley, J. M., and Turner.)
Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Cloth clamp for looms. 2,260,760; Oct. 28.
Tutwiler, Richard C., Richmond, Va. Illuminating apparatus. 2,260,495; Oct. 28.
Tyler, W. S., Company, The. (See Krohn, Karl, assignor.)
Union Machinery Company. (See Marasso, Fred, assignor.)
Union Oil Company of California. (See Dillon, Lyle, assignor.)
United Aircraft Corporation. (See Martin, Erle, assignor.)
United Biscuit Company of America. (See Huber, J. Y., Jr., and Baxter, assignors.)
United Engineering and Foundry Company. (See Talbot, Howard H., assignor.)
United Fruit Company. (See Robson, Hector H., assignor.)
United Shoe Machinery Corporation. (See Cushman, Lee H., assignor.)
United Shoe Machinery Corporation. (See Lancaster, John T., assignor.)
United Shoe Machinery Corporation. (See Merritt, Frank R., assignor.)
United Shoe Machinery Corporation. (See Prahl, Frederick A., Jr., assignor.)
United Shoe Machinery Corporation. (See Roberts, William T. B., assignor.)
U. S. Clasp Corp. (See Kurtz, Louis, assignor.)
United States Rubber Company. (See Findlay, Donald M., assignor.)
United States Rubber Company. (See Francis, Raymond S., assignor.)
United States Rubber Company. (See Hanslick, Roy S., assignor.)
United States Rubber Company. (See Havens, Glenn G., assignor.)
Universal Camera Corporation. (See Johanson, Sten, assignor.)
Universal Camera Corporation. (See Kende, George, assignor.)
Universal Railway Devices Company. (See Hall, Joseph M., assignor.)
Unland, Ralph M. (See Blasingame, James, assignor.)
Unsinger, Harold F., San Francisco, Calif. Milk bottle cream separator. 2,260,422; Oct. 28.
Urmston, James, assignor to Callender's Cable & Construction Company Limited, London, England. Electric cable. 2,260,845; Oct. 28.
Utah Radio Products Company. (See Barrett, Edward L., assignor.)
Valik, Ludwig, Rutherford, N. J., assignor to Burton T. Bush, Inc., New York, N. Y. Manufacturing halohydrins. 2,260,547; Oct. 28.
Van Alen, William, Brooklyn, N. Y. Prefabricated house construction. 2,260,353; Oct. 28.
Van Arendonk, Arthur M. (See Kleiderer, E. C., and Van Arendonk.)
Vanatta, Willis N., Ontario, Calif. Soldering iron. 2,260,647; Oct. 28.
Van Pelt, Jess L., Rosalia, Wash. Filter. 2,260,874; Oct. 28.
Van Raalte Company. (See Carlson, Ellsworth E., assignor.)
Van Sickle, Roswell C., Wilkinsburg, and E. H. Hall, Turtle Creek, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,261,008; Oct. 28.
Veghte, Theodore F., Van Nuys, Calif. Orchard heater. 2,260,548; Oct. 28.
Victor Adding Machine Company. (See Kropp, Willis A., assignor.)
Vincent, George P. (See Dubeau, A. L., MacMahon, and Vincent.)
Vogel, William M., Montclair, N. J. Package for canned goods. 2,260,959; Oct. 28.
Von Alvensleben, George B., Eureka, Calif. Book marker. 2,260,415; Oct. 28.
Voytech, Charles F., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission. 2,260,846; Oct. 28.
Vranichar, Anthony H., Joliet, Ill. Can server. 2,260,875; Oct. 28.

Wagenhorst, Lester D., assignor to The Nolde and Horst Company, Reading, Pa. Hosiery and making same. 2,260,960; Oct. 28.
Wagner, Edmond M., San Marino, assignor to Kobe, Inc., Huntington Park, Calif. Slip tool. 2,260,876; Oct. 28.
Wainwright, John E., assignor to Coventry Gauge & Tool Company Limited, Coventry, England. Apparatus for forming or dressing grinding wheels for use in form-grinding operations. 2,260,918; Oct. 28.
Waldinger, Maurice J., Flushing, N. Y. Fountain pen with blotter. 2,261,009; Oct. 28.
Waldron, John, Corporation. (See Case, Lynn B., assignor.)
Walker, Brooks, Piedmont, Calif. Internal combustion engine. 2,260,982; Oct. 28.
Walker, Clinton L., Piedmont, Calif. Control means for internal combustion engines. 2,260,983; Oct. 28.
Walker Manufacturing Company of Wisconsin. (See Mizer, Joseph J., assignor.)
Wallace, Archibald L., Northport, N. Y., assignor, by mesne assignments, of one-half to A. L. Wallace and one-half to Cherryfield Corporation. Gauge for elongated bodies. 2,260,354; Oct. 28.
Ware, Paul, West Orange, N. J. Tuning device. 2,260,877; Oct. 28.
Warner, George C., La Porte, Ind., assignor to Deluxe Products Corporation. Cotton stripping process. 2,260,355; Oct. 28.
Warren, Henry E., Ashland, Mass., assignor to Warren Telechron Company. Vibratory frequency standard. 2,260,847; Oct. 28.
Warren, Henry E., assignor to Warren Telechron Company, Ashland, Mass. Vibratory frequency standard. 2,260,848; Oct. 28.
Warren Telechron Company. (See Warren, Henry E., assignor.)
Washbourne, John L., Douglaston, Long Island, N. Y. Earthen pit shoring means. 2,260,423; Oct. 28.
Waterbury Buckle Company, The. (See Hoffland, Walter W., assignor.)
Waterbury Buckle Company, The. (See La Vigne, Jerome R., assignor.)
Waters, Harry F., New York, N. Y. Shipping case. 2,260,424; Oct. 28.
Wean Engineering Company, The. (See McArthur, Donald A., assignor.)
Weathers, Paul. (See Brady, R. F., and Weathers.)
Webb, Farrand W. (See Christopher, A. J., and Webb.)
Webster Engineering Company. (See Bergtholdt, George C., Jr., assignor.)
Weidenman, William T., Sr. (See Sears, S. G., and Weidenman.)
Weinhardt, Carl J., and C. H. Gunthorp, assignors to Liberty Electric Company, Indianapolis, Ind. Heating element mounting. 2,260,961; Oct. 28.
Weiss, Walter A., Euclid, assignor, by mesne assignments, to Cleveland Patents, Inc., Cleveland, Ohio. Measuring device. 2,261,010; Oct. 28.
Welk, Nelson S., assignor to The McBee Company, Athens, Ohio. Card delivery apparatus. 2,260,549; Oct. 28.
Welton, Wright M. (See Rawling, F. G., and Welton.)
Wentworth, Rollins, Verona, N. J., and M. U. Davis, Lakewood, Ohio, assignors to The Western Union Telegraph Company, New York, N. Y. Clutch detent. 2,260,416; Oct. 28.
West, Victor E., New Kensington, Pa., assignor to Standard Railway Devices Company. Refrigerator car. 2,260,496; Oct. 28.
West Virginia Pulp and Paper Company. (See Rawling, F. G., and Welton, assignors.)
Western Electric Company. (See Henning, George E., assignor.)
Western Electric Company. (See Newton, E. E., Peachey, and Reevely, assignors.)
Western Electric Company. (See Powell, Raymond E., assignor.)
Western Union Telegraph Company, The. (See O'Brien, F. L., and Estes, assignors.)
Western Union Telegraph Company, The. (See Wentworth, R., and Davis, assignors.)
Westinghouse Electric & Manufacturing Company. (See Crabbs, Herbert J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Green, Paul W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Russell, William J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Shutt, C. C., and Lory, assignors.)
Westinghouse Electric & Manufacturing Company. (See Van Sickle, R. C., and Hall, assignors.)
Wettstein, Albert. (See Miescher, K., and Wettstein.)
Wheaton, A. W., Brass Works. (See Krone, H. C., and Meyer, assignors.)
White, Loyd J., assignor to Southern Steel Company, San Antonio, Tex. Liquefied petroleum gas dispensing system. 2,260,356; Oct. 28.
White, Paul W., Waterbury, Conn., assignor to Parva Products Company, Chicago, Ill. Insert for buckles and the like. 2,260,878; Oct. 28.
White, Wayne E., Oakmont, assignor to Fisher Scientific Company, Pittsburgh, Pa. Dispensing package for indicator paper. 2,260,962; Oct. 28.
Whiteley, James M., Elizabeth, and L. B. Turner, Roselle Park, N. J., assignors to Standard Oil Development Company. Treating fatty oils and the like. 2,260,417; Oct. 28.
Whiting Corporation. (See Holmes, Louis D., assignor.)
Whitney Blake Company, The. (See Judisch, C. H., and Howarth, assignors.)
Whitted, John B., Glencoe, assignor to Stewart-Warner Corporation, Chicago, Ill. Lubricating system and apparatus. 2,260,497; Oct. 28.
Wicks, John D., Providence, R. I., assignor to Accessories Corporation, Gastonia, N. C. Automobile oil filter. 2,261,098; Oct. 28.
Widmayer, John J., Washington, D. C. Plastic floor or roof. 2,260,425; Oct. 28.
Wilder, Marshall P., Maplewood, N. J. Selecting circuit. 2,260,963; Oct. 28.
Wiley, Otis W., Port Allegany, assignor to Pittsburgh-Corning Corporation, Allegheny County, Pa. Building block. 2,261,011; Oct. 28.
Wilkoff, Howard M., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Electric cord or cable. 2,260,761; Oct. 28.
Will, Carl H., Winnetka, and H. W. Fink, assignors to Tropic-Aire, Incorporated, Chicago, Ill. Automobile heater and defroster. 2,260,595; Oct. 28.
Williams, Alfred O., Battle Creek, assignor to Clark Equipment Company, Buchanan, Mich. Brake rigging. 2,260,879; Oct. 28.
Williams, Frederick B., assignor to National Lead Company, Los Angeles, Calif. Application of mud-laden or drilling fluids. 2,260,499; Oct. 28.
Williams, Ira, Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vulcanization of rubber. 2,261,042; Oct. 28.
Willson, John M. (See Cunningham, H. G., and Willson.)
Wilms, Gustav O., assignor to Allen-Bradley Company, Milwaukee, Wis. Snap switch. 2,260,964; Oct. 28.
Wilson, Emily, administratrix. (See Coates, A. W., and Wilson.)
Wilson, Myron S., Lynn, Mass., assignor to General Electric Company. Antirattling mounting for instrument armatures. 2,260,813; Oct. 28.
Wilson, Robert. (See Coates, A. W., and Wilson.)
Winfree, John B., Jr., Lynchburg, Va. Dough folding machine. 2,261,043; Oct. 28.
Winning, Robert K., Wauwatosa, assignor to Clum Manufacturing Company, Milwaukee, Wis. Switch. 2,260,592; Oct. 28.
Winter, Gustav B., Hempstead, N. Y. Demountable window shade bracket. 2,261,044; Oct. 28.
Winter, Otto W. (See McKinnon, A. L., and Winter.)
Wise, Leslie M., McKeesport, assignor of one-half to W. L. Kann, Pittsburgh, Pa. Highway traffic marker. 2,260,498; Oct. 28.
Wittlinger, Frederick M., and C. W. Shartle, Jr., assignors to Texas Electric Steel Casting Company, Houston, Tex. Making wear resistant surfaces. 2,260,593; Oct. 28.
Wolff, Charles J., San Antonio, Tex. Hydraulic pump. 2,260,696; Oct. 28.
Woller, Edward E., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Antifriction pivot bearing. 2,260,418; Oct. 28.
Wood, Alexander P., Schenectady, N. Y., assignor to General Electric Company. Fabricated dynamoelectric machine. 2,260,814; Oct. 28.
Wooster, Philip A., San Francisco, Calif. Dispensing device. 2,260,925; Oct. 28.
Worcester Paper Box Corporation. (See Barr, J. M., and Smallcomb, assignors.)
Wortkoetter, Leo H. (See Schmitz, H. A., and Wortkoetter.)
Wright, Paul, Birmingham, Ala. Measuring materials feeder. 2,260,926; Oct. 28.
Wrightsman, Lawrence S., Houston, Tex., assignor to Standard Oil Development Company. Sample container. 2,260,419; Oct. 28.
Wylie, Arthur R., Minneapolis, Minn., assignor to General Mills, Inc. Vacuum connection. 2,260,500; Oct. 28.
Wynd, Clarence L. A., assignor to Eastman Kodak Company, Rochester, N. Y. Making uniaxial low shrinkage cellulose derivative sheeting. 2,260,501; Oct. 28.
Yarrington, Charles W., and W. A. Zahutnik, Gary, Ind. Rolling mill. 2,260,762; Oct. 28.
Young, Fred M., Racine, Wis. Annular core heater. 2,260,594; Oct. 28.
Young, George H., Pittsburgh, Pa., assignor to Stoner-Mudge, Inc. Coating compound. 2,260,420; Oct. 28.
Young, Leonard A., assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich. Spring assembly and upholstery supporting mat therefor. 2,260,596; Oct. 28.
Young, Leonard A., Detroit, Mich. Seat construction. 2,260,815; Oct. 28.
Young, Leonard A. (See Coney, James D., assignor.)
Young, L. A., Spring & Wire Corporation. (See Preston, Victor, assignor.)
Young, L. A., Spring & Wire Corporation. (See Young, Leonard A., assignor.)
Young Radiator Company. (See Pfost, Leslie C., assignor.)
Youngstown Sheet and Tube Company, The, et al. (See Lorig, Clarence H., assignor.)

Zahutnik, Walter A. (See Yarrington, C. W., and Zahutnik.)
Zeidler, Kurt E., Pittsburgh, Pa., assignor to Standard Railway Devices Company. Refrigerator car. 2,260,502; Oct. 28.
Zeidler, Kurt E., Chicago, Ill., assignor, by mesne assignments, to Standard Railway Devices Company. Refrigerator car. 2,260,503; Oct. 28.
Zenner, George H., Kenmore, N. Y., assignor to The Linde Air Products Company. Method and apparatus for dispensing gas material. 2,260,357; Oct. 28.
Zimmerman, Herman W., Highland Park, assignor to Automotive Maintenance Machinery Co., North Chicago, Ill. Torque measuring wrench. 2,260,358; Oct. 28.
Zundel, Richard R. (See Robbins, W. E., and Zundel.)
Zurcher, Ernest, assignor to The Fulton Sylphon Company, Knoxville, Tenn. Temperature regulator. 2,261,045; Oct. 28.
Zurn, J. A., Manufacturing Company. (See Shenk, Robert H., assignor.)

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 28TH DAY OF OCTOBER, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Coke ovens, Underfired. C. Otto. Re. 21,933; Oct. 28.
Hydrocarbons, Process for converting. F. E. Frey and W. F. Huppke. Re. 21,932; Oct. 28.

LIST OF DESIGN INVENTIONS

Badge or the like. R. Monedero. 130,207; Oct. 28.
Bag, Motorcycle. M. F. Allen. 130,147; Oct. 28.
Barrel. W. L. Hanrahan. 130,148; Oct. 28.
Basket, Petal confection. E. L. Wise. 130,163; Oct. 28.
Basket, Rose confection. E. L. Wise. 130,164; Oct. 28.
Battery charger case. J. H. Kolseth. 130,140; Oct. 28.
Bench and cabinet or similar article, Combined. C. W. MacMillan. 130,129; Oct. 28.
Bottle, closure cap and applicator, Combined. H. J. Mamlok. 130,199; Oct. 28.
Bottle, pedestal and cover therefor, Combined. F. Sang. 130,157; Oct. 28.
Bracket for an aircraft generator, Mounting. V. C. Hodges. 130,168; Oct. 28.
Broiler. C. E. Parker. 130,155; Oct. 28.
Brooch or similar article. D. Mir. 130,154; Oct. 28.
Brooch or similar article. J. Silson. 130,159; Oct. 28.
Brooch or similar article. G. Verrecchio. 130,144; Oct. 28.
Buckle, Lingerie. M. Rosenberg. 130,138; Oct. 28.
Cabinet, Electric fence controller. C. B. Stevens. 130,161; Oct. 28.
Cabinet, Game. A. H. Bechtol. 130,113; Oct. 28.
Cabinet, Pedestal. P. D. Parsons. 130,130; Oct. 28.
Cabinet, Refrigerator. R. Loewy. 130,126; Oct. 28.
Camera. H. S. Drucker. 130,120–1; Oct. 28.
Camera. J. Mihalyi and W. D. Teague. 130,202; Oct. 28.
Case for ear protectors or other articles. P. C. Perrin. 130,156; Oct. 28.
Chair. H. C. Doner. 130,118; Oct. 28.
Cheese server or analogous article. C. Horix. 130,125; Oct. 28.
Clip, Film. C. J. Hughey. 130,198; Oct. 28.
Clip, Pin. A. Philippe. 130,133–7; Oct. 28.
Coin bank and picture frame or similar article, Combination. R. E. Pfleger. 130,131; Oct. 28.
Coin indicator or similar article, Mah jong. G. Bloom. 130,114; Oct. 28.
Compact. F. N. Lewis. 130,169; Oct. 28.
Darner, Translucent. L. von Meissner. 130,145; Oct. 28.
Display plate for an automobile. T. Grimes. 130,123; Oct. 28.
Douche. F. B. Van Wormer. 130,162; Oct. 28.
Dress. L. Asteroff. 130,208; Oct. 28.
Dress. H. Bayor. 130,185; Oct. 28.
Dress. M. Brucato. 130,186–8; Oct. 28.
Dress. P. Fracchia. 130,177–8; Oct. 28.
Dress. P. Fracchia. 130,189–93; Oct. 28.
Dress. P. Fracchia. 130,211; Oct. 28.
Dress. J. Goldman. 130,179; Oct. 28.
Dress. L. Helms. 130,194–5; Oct. 28.
Dress. L. Helms. 130,212–6; Oct. 28.
Dress. L. Hoshaflan. 130,196–7; Oct. 28.
Dress. P. Wood. 130,217–18; Oct. 28.
Dress. S. Zahn. 130,206; Oct. 28.
Dress. S. Zahn. 130,219–20; Oct. 28.
Dress, Combination uniform. N. A. Shane. 130,158; Oct. 28.
Dress ensemble. D. Mayehoff. 130,201; Oct. 28.
Earring or similar article. A. Philippe. 130,132; Oct. 28.
Enclosure for sanitary rolled rubber goods. C. J. Schmid. 130,175; Oct. 28.
Fabric or similar article, Textile. M. Turpan. 130,176; Oct. 28.
Fabric, Textile. W. H. Rigney. 130,174; Oct. 28.
Fabric, Textile. B. W. Rosenblum. 130,140; Oct. 28.
Fan, Electric. H. W. Mackey and G. M. Lane. 130,218; Oct. 28.
Food grater. I. Rosenbloom. 130,139; Oct. 28.
Frame for a hand mirror or similar article. L. Marder. 130,170; Oct. 28.
Frame, Pack. A. J. Hartsock. 130,180–1; Oct. 28.
Game board. C. N. De Witt. 130,117; Oct. 28.
Handbag. A. Kulick. 130,150; Oct. 28.
Hat. P. M. Maxwell and W. J. Russy. 130,151; Oct. 28.
Hat. P. M. Maxwell and E. Lundberg. 130,152; Oct. 28.
Hat. P. M. Maxwell and W. J. Russy. 130,182–3; Oct. 28.
Hat. P. M. Maxwell and E. Lundberg. 130,200; Oct. 28.
Hat and hair roll, Combined. E. Y. Simon. 130,160; Oct. 28.
Illuminable whatnot. G. Braun, Jr. 130,115; Oct. 28.
Jacket, Parka. E. Bauer. 130,167; Oct. 28.
Jewelry finding. W. Regelmann. 130,184; Oct. 28.
Jewelry finding. C. Schraysshuen. 130,141; Oct. 28.
Lamp, Bed. L. Ludwig. 130,127; Oct. 28.
Latch. H. Engert. 130,122; Oct. 28.
Magnifier apparatus. G. Scherr. 130,204; Oct. 28.
Micro-projector. W. F. Peck. 130,203; Oct. 28.
Pipe bowl cleaner. O. Z. McCoy. 130,153; Oct. 28.
Plate or similar article. A. M. Walker. 130,146; Oct. 28.
Playing card. A. B. Dow. 130,119; Oct. 28.
Rally stick. E. Hart. 130,124; Oct. 28.
Robe, Man's sleeping. A. Berger. 130,209–10; Oct. 28.
Shoe. H. L. Sutcliffe. 130,143; Oct. 28.
Shoe bow or similar article. H. G. Whitehouse. 130,205; Oct. 28.
Spectacle, Rimless. J. J. Carlson. 130,116; Oct. 28.
Tablecloth, Lace. W. C. Miller. 130,172–3; Oct. 28.
Table, Physio-therapy stretching. B. H. Stauffer. 130,142; Oct. 28.
Trousers. E. Bauer. 130,166; Oct. 28.
Vial, Glass. J. H. Meier, Jr., 130,171; Oct. 28.
Wallet and card holder, Combined. S. P. Wolf. 130,165; Oct. 28.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 28TH DAY OF OCTOBER, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accelerator of vulcanization. P. C. Jones. 2,260,380; Oct. 28.
Accelerator, Vulcanization. R. S. Hanslick. 2,261,024; Oct. 28.
Acid, Making Tertiary butyl malonic. M. T. Bush. 2,260,800; Oct. 28.
Acid, Manufacture of crystalline glycollic. L. F. Berhenke and R. B. DuVall. 2,260,738; Oct. 28.
Acid, Preparation of maleic. O. C. Slotterbeck and S. W. Tribit. 2,260,409; Oct. 28.
Acid, Recovery of hydrocyanic. H. Beier. 2,260,881; Oct. 28.
Acylaminobenzenesulphonhydroxyamides. M. L. Moore and E. Miller. 2,260,632; Oct. 28.
Agitator. L. B. Berg. 2,260,822; Oct. 28.
Air brake. C. A. Campbell. 2,260,434; Oct. 28.
Air brake. L. A. Safford. 2,260,485; Oct. 28.
Air conditioner. D. E. Dasher. 2,260,887; Oct. 28.
Air conditioning. C. F. Henney. 2,260,900; Oct. 28.
Air conditioning system. A. B. Newton. 2,260,477; Oct. 28.
Air in refrigerating cars, Circulating. C. W. Mann. 2,260,999; Oct. 28.
Aircraft construction. J. A. Ranasey. 2,260,481; Oct. 28.
Airplane wing, Retractable. J. J. Harris. 2,260,316; Oct. 28.
Alarm, Stoker shear pin. L. Bonham. 2,260,769; Oct. 28.
Alkoxy-aryl borate. R. F. Prescott, R. C. Dosser, and J. J. Sculati. 2,260,337; Oct. 28.
Amplification and modulation. A. Senauke. 2,260,585; Oct. 28.
Amplifier. A. L. Stillwell. 2,260,493; Oct. 28.
Angle gauge for printers' saws. T. M. Castle. 2,260,883; Oct. 28.
Animal trap. T. R. H. Schmidt. 2,260,872; Oct. 28.
Annular core heater. F. M. Young. 2,260,594; Oct. 28.
Annunciator, Time controlled. F. A. Barr. 2,260,655; Oct. 28.
Antifriction pivot bearing. E. E. Woller. 2,260,418; Oct. 28.
Apparatus for and method of blood infusion. R. Kirchner. 2,261,065; Oct. 28.
Apparatus for extinguishing oil fires. M. B. Anfenger. 2,260,733; Oct. 28.
Apparatus for fining molten glass. K. B. McAlpine. 2,261,034; Oct. 28.
Apparatus for forming or dressing grinding wheels for use in form-grinding operations. J. E. Wainwright. 2,260,918; Oct. 28.
Apparatus for greasing and luring hats. P. Schultze. 2,260,957; Oct. 28.
Apparatus for handling strands. E. E. Newton, C. A. Peachey, and F. R. Reevely. 2,260,860; Oct. 28.
Apparatus for handling rolls or the like during flame hardening process. C. F. Schnuck. 2,260,919; Oct. 28.
Apparatus for increasing economy of carburetor engines. H. C. Seffker. 2,260,408; Oct. 28.
Apparatus for pneumatically cleaning bags. G. I. Goldwyn. 2,260,449; Oct. 28.
Apparatus for producing eyelets. J. W. and K. W. Ekstedt. 2,260,891; Oct. 28.
Apparatus for producing slivers. J. Killars, Jr. 2,260,383; Oct. 28.
Apparatus for stitching welt shoes. J. J. Goellner. 2,260,664; Oct. 28.
Apparatus for testing interior furnace conditions. G. E. Steudel. 2,260,794; Oct. 28.
Apparatus for the extraction of juices. H. O. Peterson. 2,260,865; Oct. 28.
Apparatus for treating vegetables with hot water and steam. E. Allan. 2,260,286; Oct. 28.
Apparatus for use in the repair of shoes. F. A. Prahl, Jr. 2,260,480; Oct. 28.
Apparatus operable by passage of objects. J. Kisylia and A. Kopp. 2,260,781; Oct. 28.
Apparel supporter. R. J. Hodge. 2,260,778; Oct. 28.
Article of manufacture. A. L. McKinnon. 2,260,629; Oct. 28
Ash receptacle. J. Campbell. 2,260,507; Oct. 28.
Ash tray, match holder, etc., Combination. P. E. Dorsett. 2,260,774; Oct. 28.
Attachment for garment hangers. D. G. Ellison. 2,260,444; Oct. 28.
Attachment for propellers. R. F. Muhlenbruck. 2,260,786; Oct. 28.
Attachment plug. N. Chirelstein. 2,260,509; Oct. 28.
Autoclave and the like. J. F. Gschwind. 2,260,710; Oct. 28.
Automatic expansion valve. H. H. Robson. 2,260,682; Oct. 28.
Automatic folding table. C. Forsberg. 2,260,371; Oct. 28.
Automatic hydraulic brake for trailers. L. B. Ovenhouse. 2,260,637; Oct. 28.
Automobile construction. T. E. Murray. 2,260,578; Oct. 28.
Automobile heater. H. J. D. McCollum. 2,260,535–6; Oct. 28.
Automobile heater and defroster. C. H. Will and H. W. Fink. 2,260,595; Oct. 28.
Automobile lock. R. E. Marine. 2,260,326; Oct. 28.
Automobile oil filter. J. D. Wicks. 2,261,098; Oct. 28.
Axle-box and other bearing mountings. R. F. Rudd. 2,260,955; Oct. 28.
Backstop mechanism for heading apparatus, Drop-back or supplemental. L. J. Lovisek. 2,261,066; Oct. 28.
Bait casting cartridge, Fisherman's live. M. Eguchi. 2,260,705; Oct. 28.
Ball and socket joint. F. B. Halford and B. W. Barlow. 2,260,283; Oct. 28.
Ball winding machine. R. S. Francis. 2,260,448; Oct. 28.
Bar: *See*—
Portable bar.
Bars, Finishing hot rolled. O. U. Cook. 2,260,773; Oct. 28.
Barrel, Core. A. Muhlbach. 2,260,678; Oct. 28.
Bathing and drying apparatus. S. L. Conrad. 2,260,802; Oct. 28.
Bead, Splay. R. L. Dietrich. 2,261,054; Oct. 28.
Bearing: *See*—
Antifriction pivot bearing.
Molded composition slipper bearing.
Bearing construction. D. M. Smith and W. H. Fisher. 2,260,345; Oct. 28.
Beer cooler. A. R. Tomson. 2,260,958; Oct. 28.
Beet blocking machine. H. A. Schmitz and L. H. Wortkoetter. 2,260,685; Oct. 28.
Belt construction, Round. J. D. Merrifield. 2,260,719; Oct. 28.
Billets, Method of forming. M. L. Strawn. 2,260,351; Oct. 28.
Block: *See*—
Building block.
Bobbin for the wet treatment of artificial silk spinning cake. O. Poetzsch. 2,260,755; Oct. 28.
Boiler replenishing system. F. W. Miller. 2,260,857; Oct. 28.
Book marker. G. B. Von Alvensleben. 2,260,415; Oct. 28.
Bookstand. T. C. Self. 2,260,694–5; Oct. 28.
Booster for hydraulic braking systems. B. Stelzer. 2,260,492; Oct. 28.
Borates, Preparation of organic. R. F. Prescott, R. C. Dosser, and J. J. Sculati. 2,260,336; Oct. 28.
Bottle and cap, Siphon. N. Cordis. 2,260,968; Oct. 28.
Box. E. C. Mulnix. 2,260,951; Oct. 28.
Box supporting device. G. Carlson. 2,260,829; Oct. 28.
Bracket: *See*—
Window shade bracket.
Brake: *See*—
Air brake.
Hydrostatic brake.
Semiautomatic brake.
Brake. C. W. Sinclair. 2,260,645; Oct. 28.
Brake booster, Hydraulic. B. Stelzer. 2,260,490; Oct. 28.
Brake for transmission mechanism including a hydraulic coupling. C. D. Peterson and A. H. Deimel. 2,260,580; Oct. 28.
Brake mechanism, Tractor-trailer. F. M. Reid. 2,260,641; Oct. 28.
Brake rigging. A. O. Williams. 2,260,879; Oct. 28.
Brine injection method for oil wells. R. W. Erwin. 2,261,100; Oct. 28.
Brush, Sponge rubber. I. H. Lorenz. 2,260,390; Oct. 28.
Buckle, Slide. W. W. Hoffland. 2,260,378; Oct. 28.
Buckle, Slide. J. La Vigne. 2,260,387; Oct. 28.
Buffing wheel. F. E. Hendrickson. 2,260,941; Oct. 28.
Building block. O. W. Wiley. 2,261,011; Oct. 28.
Burner control system. Du W. J. Peterson. 2,261,092; Oct. 28.
Butter or the like, Method and apparatus for forming prints of. K. G. and G. L. Heft, and E. J. Rapp. 2,260,747; Oct. 28.

Cabinet: *See*—
Ice cream dispensing cabinet.
Cable: *See*—
Electric cable.
Calculating machine. E. R. Booker. 2,260,827; Oct. 28.
Calculating machine. E. F. Britten, Jr. 2,260,291; Oct. 28.
Cam shaft box support. L. J. Price. 2,260,681; Oct. 28.
Camshaft lapping machine. H. S. Indge. 2,260,907; Oct. 28.
Can server. A. H. Vranichar. 2,260,875; Oct. 28.
Capacitor, Electric. P. J. Schwarzhaupt. 2,260,842; Oct. 28.
Capping mechanism. R. J. Stewart and H. H. Franz. 2,260,349; Oct. 28.
Car: *See*—
Railway car. Toy mail car.
Refrigerator car.
Carbon or graphite, Treating. J. D. Hanawalt and C. E. Nelson. 2,260,746; Oct. 28.
Carbureting device. D. Brasseur. 2,260,431; Oct. 28.
Carburetor control for internal combustion engines, Auxiliary. H. J. Crawford. 2,260,609; Oct. 28.
Carrier or conveyer. W. M. Levy and C. I. Burgman. 2,260,528; Oct. 28.
Carton, Display. J. M. Barr and T. F. Smallcomb. 2,260,428; Oct. 28.
Case: *See*—
Shipping case.
Cathode ray and like beams, Controlling the deflection of. G. R. Tingley. 2,260,546; Oct. 28.
Cathode ray tube. F. Gray. 2,260,313; Oct. 28.
Cattle drinking bowl. A. E. Anderson. 2,260,817; Oct. 28.
Cellulose derivative sheeting, Making uniaxial low shrinkage. C. L. A. Wynd. 2,260,501; Oct. 28.
Chains, Making. A. L. McKinnon and O. W. Winter. 2,260,630; Oct 28.
Chair: *See*—
Folding chair.
Chair. A. E. Jones. 2,260,976; Oct. 28.
Charge forming device. O. C. Funderburk. 2,260,309; Oct. 28.
Christmas tree holder. M. and J. Chulick. 2,260,932; Oct. 28.
Circuit: *See*—
Selecting circuit.
Circuit breaker. A. B. Rypinski. 2,260,583; Oct. 28.
Circuit closer. R. Ketchem. 2,260,715; Oct. 28.
Circuit interrupter. R. C. Van Sickle and E. H. Hall. 2,261,008; Oct. 28.
Circuit interrupter, Electric. G. F. Lincks. 2,260,751; Oct. 28.
Circuit interrupting device. H. J. Crabbs. 2,261,020; Oct. 28.
Clamp: *See*—
Polish rod clamp.
Clamp. R. F. Hinchman. 2,260,806; Oct. 28.
Clasp, Garment. L. Kurtz. 2,261,089; Oct. 28.
Clay, Process and apparatus for purifying and dressing. L. Gerecht. 2,260,776; Oct. 28.
Clay treatment of pressure distillate. W. T. Hancock. 2,260,617; Oct. 28.
Cleaner: *See*—
Vacuum cleaner.
Clip: *See*—
Film clip.
Clipper, Fruit. F. M. O'Brien. 2,260,724; Oct. 28.
Clipper, Barber's shingling. D. Adams. 2,260,285; Oct. 28.
Clock, Electric. J. W. Hobbs. 2,260,525; Oct. 28.
Closure and dispenser for containers. J. T. Freeman. 2,260,937; Oct. 28.
Closure, Dispensing. E. E. Hoffman. 2,260,666; Oct. 28.
Cloth clamp for looms. R. G. Turner. 2,260,760; Oct. 28.
Clothespin, Snap-on. H. C. Thompson and A. De Stefano. 2,261,005; Oct. 28.
Clothes tree. H. H. Horton. 2,261,061; Oct. 28.
Clutch. R. L. Brownlee. 2,260,770; Oct. 28.
Clutch detent. R. Wentworth and M. U. Davis. 2,260,416; Oct. 28.
Clutch for motor vehicles, Automatic. B. Burns. 2,260,796; Oct. 28.
Clutch operating device for motor vehicles. C. Böttner. 2,260,280; Oct. 28.
Clutch plate, Friction. C. A. Ruesenberg. 2,260,869; Oct. 28.
Coating composition. L. Balassa. 2,260,819; Oct. 28.
Coating composition. A. E. Bartlett. 2,260,880; Oct. 28.
Coating composition. H. G. Donovan. 2,260,889; Oct. 28.
Coating compound. G. H. Young. 2,260,420; Oct. 28.
Coating for glass, Nonreflecting. J. H. McLeod. 2,260,471; Oct. 28.
Coating machine. O. E. Segrin. 2,260,686; Oct. 28.
Coating sheets. D. A. McArthur. 2,260,392; Oct. 28.
Coil for gas tanks, Thermal. J. R. Mudge. 2,260,395; Oct. 28.
Coiled spring. H. H. Clark. 2,260,606; Oct. 28.
Coin collector apparatus. H. A. Henning. 2,260,522; Oct. 28.
Coin-controlled setting mechanism for energy dispensing devices. P. Moos. 2,261,071; Oct. 28.
Coin operated switch. E. G. Henry. 2,260,992; Oct. 28.
Coin slide. B. C. Grunig. 2,260,745; Oct. 28.
Collating machine. C. Schramm. 2,260,540; Oct. 28.
Combustion apparatus. J. W. Miller and V. H. Hill. 2,260,839; Oct. 28.
Communication system, Multistation. F. G. Halliden. 2,260,711; Oct. 28.
Compensator for the hoppers of weighing feeders, Voluminal. W. F. Bokum. 2,261,049; Oct. 28.
Composition of matter containing a film-forming derivative of cellulose. W. H. Moos. 2,260,329; Oct. 28.
Compressor system. H. F. Parker. 2,260,538; Oct. 28.
Condensation products of acylated methylol phenols and resin acids. H. A. Bruson. 2,260,556; Oct. 28.
Cone, Textile. C. M. Hart. 2,260,452; Oct. 28.
Connector: *See*—
Electrical plug connector.
Connector plug. C. H. Judisch and A. Howarth. 2,260,323; Oct. 28.
Container: *See*—
Powder container. Sample container.
Container and closure therefor. R. B. Kingman. 2,260,942; Oct. 28.
Container cover locking mechanism. F. Marasso. 2,260,752; Oct. 28.
Control apparatus. T. R. Harrison. 2,261,083; Oct. 28.
Control apparatus. H. S. Jones. 2,260,977; Oct. 28.
Control means for internal combustion engines. C. L. Walker. 2,260,983; Oct. 28.
Control mechanism for airplanes. S. G. Novack. 2,260,952; Oct. 28.
Control system. B. W. Jones. 2,260,810; Oct. 28.
Control system. H. S. Jones. 2,261,087; Oct. 28.
Converter, Ultra high frequency. H. P. Thomas. 2,260,844; Oct. 28.
Conveyer, Belt. M. A. Kendall. 2,261,088; Oct. 28.
Conveyer, Flexible. J. J. Shields. 2,260,587; Oct. 28.
Cooler: *See*—
Beer cooler.
Cooling means for electrical induction apparatus. E. A. Elge. 2,260,833; Oct. 28.
Cop frame. H. Dersen. 2,260,988; Oct. 28.
Copper-base-alloy rod or the like, Producing. B. H. McGar. 2,260,914; Oct. 28.
Cord holder, Electrical appliance. B. Anderson. 2,261,046; Oct. 28.
Cord or cable, Electric. H. M. Wilkoff. 2,260,761; Oct. 28.
Coring apparatus. J. E. Hoffoss. 2,260,320; Oct. 28.
Cotton stripping process. G. C. Warner. 2,260,355; Oct. 28.
Counter for indicating instruments, Settable. K. R. H. Schwenn. 2,260,541; Oct. 28.
Counterbalanced tail gate. E. R. Barrett. 2,260,504; Oct. 28.
Coupling device. W. H. Harrison. 2,260,712; Oct. 28.
Coupling means for screw conveyers. J. L. Kozak. 2,260,811; Oct. 28.
Cover or lid fastener. C. P. Bobst. 2,261,048; Oct. 28.
Crane construction. R. J. Harry. 2,260,317; Oct. 28.
Crane mechanism, Swing. H. L. Mitchell. 2,260,631; Oct. 28.
Cuff closure, Slide-fastened knitted. C. S. Fowler. 2,260,372; Oct. 28.
Cutter: *See*—
Glass cutter. Shingle cutter.
Cutting stencils. D. L. Boyd. 2,260,554; Oct. 28.
Cyclic process for production of anhydrides of carboxylic acids. A. H. Maude and S. G. Osborne. 2,260,391; Oct. 28.
(Cyclohexyl-aryl) borates. R. F. Prescott, R. C. Dosser, and J. J. Sculati. 2,260,339; Oct. 28.
Dampener, Pulsation. F. H. Hopkins. 2,261,028; Oct. 28.
Davit. A. W. Coates and R. Wilson. 2,260,772; Oct. 28.
Deflector, Exhaust pipe. L. E. Russell. 2,260,841; Oct. 28.
Dehydrating refrigeration units. E. M. Cormack. 2,260,608; Oct. 28.
Delivery apparatus, Card. N. S. Welk. 2,260,549; Oct. 28.
Dental apparatus, Unitary. O. H. Pieper. 2,261,036; Oct. 28.
Denture casting flask. N. Kaye. 2,260,909; Oct 28.
Deseaming and desurfacing apparatus and process. E. P. Jones and M. J. Harris. 2,260,322; Oct. 28.
Device for handling and suspending articles collectively. M. Coleman. 2,260,560; Oct. 28.
Device for producing stable fiber yarns from continuous filaments. J. E. Halin. 2,260,314; Oct. 28.
Device for safeguarding internal combustion engines against excessive speed and lubrication failure. K. Maybach. 2,260,576; Oct. 28.
Device for supporting collapsible tube and dispensing the contents thereof. J. V. Spencer. 2,260,346; Oct. 28.
Diaphragm device. L. S. Neff. 2,260,636; Oct. 28.

Diaphragm, Pressure relief. R. A. Miller. 2,261,035; Oct. 28.
Diaralkyl cyanamides. R. O. Roblin, Jr. 2,260,642; Oct. 28.
Diaphragm forming device. A. C. Hoof. 2,260,667; Oct. 28.
Die, Adjustable drawing. E. C. Picking. 2,260,479; Oct. 28.
Die for pressure casting. T. C. Korsmo. 2,260,462; Oct. 28.
Die mechanism. A. C. Ferguson. 2,260,370; Oct. 28.
Dihydroxy-diphenyls, Substituted. E. C. Britton and J. E. Livak. 2,260,739; Oct. 28.
Dipping and distributing apparatus. E. S. Killian. 2,260,854; Oct. 28.
Direction indicator. C. L. Otto, Jr. 2,260,396; Oct. 28.
Disk support, Abrasive. A. F. Siebert and W. K. Beckwith. 2,260,644; Oct. 28.
Dispensing device. P. A. Wooster. 2,260,925; Oct. 28.
Dispensing device for making aromatic beverages. H. Naef. 2,260,858; Oct. 28.
Dispensing machine, Tape. L. Sim. 2,260,489; Oct. 28.
Display rack. S. P. Brown. 2,260,294; Oct. 28.
Distributing system for high pressure fluid media. H. E. Helgis. 2,261,026; Oct. 28.
Dome light assembly. H. C. Field. 2,260,894; Oct. 28.
Door and frame for moving picture sets. W. E. Rumsey. 2,260,484; Oct. 28.
Door fastener. S. B. Haseltine. 2,260,519; Oct. 28.
Door for closed vehicles, especially for automobiles. J. Ledwinka. 2,260,997; Oct. 28.
Door handle. A. Miguel. 2,260,785; Oct. 28.
Dough folding machine. J. B. Winfree, Jr. 2,261,043; Oct. 28.
Doweling jig. D. C. Morton. 2,260,784; Oct. 28.
Dredge, Hydraulic suction. J. J. Brown. 2,260,293; Oct. 28.
Drier: *See*—
Nail polish drier.
Drier felt for paper machines. E. H. Hall. 2,260,940; Oct. 28.
Drift measuring instrument for aircraft. J. L. Maulbetsch. 2,260,575; Oct. 28.
Drill and breaker, Combined mine. H. P. Chandler. 2,261,017; Oct. 28.
Drill for penetrating hard metals. L. G. Black. 2,260,288; Oct. 28.
Drum, Collapsible. J. H. Hitchcock and A. R. Keller. 2,260,902; Oct. 28.
Duplicating apparatus. M. P. Neal. 2,260,330; Oct. 28.
Duplicating machine. W. A. Kropp. 2,260,463–4–5; Oct. 28.
Dynamoelectric machine, Fabricated. A. P. Wood. 2,260,814; Oct. 28.
Earthen pit shoring means. J. L. Washbourne. 2,260,423; Oct. 28.
Echo sounding apparatus. D. O. Sproule. 2,260,347; Oct. 28.
Edible products, Method of and apparatus for making variegated frozen. R. J. Cowling. 2,260,298; Oct. 28.
Electric cable. J. Urmston. 2,260,845; Oct. 28.
Electric fuel pump. A. C. Korte and K. Lannert. 2,260,946; Oct. 28.
Electric ozone generator. J. M. Daily. 2,260,831; Oct 28.
Electric switch. J. C. English. 2,260,564; Oct. 28.
Electric switch. B. Hinks. 2,260,901; Oct. 28.
Electric welding, Automatic. E. A. Clapp. 2,260,510; Oct. 28.
Electrical control system, Float actuated. L. B. Gruman. 2,260,312; Oct. 28.
Electrical filter. A. J. Christopher and F. W. Webb. 2,260,296; Oct. 28.
Electrical filter. T. B. D. Terroni. 2,260,494; Oct. 28.
Electrical plug connector. H. Charmoy. 2,260,365; Oct. 28.
Electrical sign. F. S. Ganoung. 2,260,744; Oct. 28.
Electrode for secondary batteries. H. De Martis and S. J. Clark. 2,261,053; Oct. 28.
Electron beam deflection apparatus. C. L. Richards and H. Rinia. 2,260,725; Oct. 28.
Electron multiplier. P. T. Farnsworth. 2,260,613; Oct. 28.
Elevator car shoe hydraulic stabilizer. S. B. Somervell. 2,260,728; Oct. 28.
Elevator door lock. W. Mahlke. 2,260,912; Oct. 28.
Emulsion treating and brine injection system for oil wells. R. W. Erwin. 2,261,057; Oct. 28.
Emulsion treating apparatus. R. W. Erwin. 2,261,101; Oct. 28.
Emulsions, Composition and process for treating. C. H. M. Roberts and R. V. Niswander. 2,260,757; Oct. 28.
Engine: *See*—
Internal combustion engine.
Engine starter control, Two stage. M. H. Elkin. 2,260,742; Oct. 28.
Engine support. F. Klein and K. Eichholtz. 2,260,978; Oct. 28.
Epihalohydrins, Production of derivatives of. K. E. Marple, E. C. Shokal, and T. W. Evans. 2,260,753; Oct. 28.
Ester compositions, Halogenated benzoyl glycollate. L. P. Kyrides. 2,260,628; Oct. 28.
Esters of cinnamic acid, Aryoxyl alkyl. G. H. Coleman and B. C. Hadler. 2,260,740; Oct. 28.
Ether, Preparing β(O-methyl phenoxy)β thiocyan ethyl. O. F. Hedenburg. 2,260,376; Oct. 28.
Exhaust collector. H. E. Davies. 2,260,704; Oct. 28.
Extinguishing fires in baled and loosely plied materials. H. Ensminger and C. H. Caughey. 2,260,515; Oct. 28.
Fabric and making the same, Needled. H. A. Reinhardt. 2,261,096; Oct. 28.
Fabric tubing, Manufacturing. A. E. Albin. 2,260,816; Oct. 28.
Fan mounting. J. H. Cohen. 2,260,439; Oct. 28.
Fastener: *See*—
Cover or lid fastener. Door fastener.
Fastener. B. C. Place. 2,260,690; Oct. 28.
Fasteners, Producing socket screw. L. J. Lovisek. 2,261,067; Oct. 28.
Fastening device, Shingle. E. S. Fooks, Jr., and W. F. Koontz. 2,260,446; Oct. 28.
Fastening-inserting machine. J. T. Lancaster. 2,260,466; Oct. 28.
Feeder: *See*—
Measuring materials feeder.
Feeding apparatus. H. N. Bliss and G. E. Fenton. 2,260,824; Oct. 28.
Feeding mechanism, Web roll. D. G. Bernard. 2,261,014; Oct. 28.
Fence, Snow. D. W. Loftus. 2,260,948; Oct. 28.
Ferroconcrete reinforcing elements, Making. E. Hoffmann. 2,260,779; Oct. 28.
Fibers and residues and the like, Treatment of agave. J. May. 2,260,470; Oct. 28.
Fibers, Manufacture of curled artificial. H. Delle. 2,260,513; Oct. 28.
Fibrous products, Making low density water resisting. J. O. Burton. 2,260,557; Oct. 28.
Filling and packing. J. H. Driscoll and R. J. Driscoll. 2,260,302; Oct. 28.
Film clip. W. E. Naylor. 2,260,476; Oct. 28.
Film reel. C. R. Skinner. 2,260,873; Oct. 28.
Films from cellulose derivatives, Forming. G. A. Dalin. 2,260,741; Oct. 28.
Filter: *See*—
Automobile oil filter. Electrical filter.
Filter. J. L. van Pelt. 2,260,874; Oct. 28.
Filter glass holder. F. M. Bowers. 2,260,849; Oct. 28.
Filters, High speed method of making metal-edge. P. Heftler. 2,260,899; Oct. 28.
Fish trap-hook. J. P. Thompson. 2,260,923; Oct. 28.
Flashlight. B. F. Muldoon. 2,261,000; Oct. 28.
Flashlight billy. W. M. Powell. 2,260,639; Oct. 28.
Flashlight head. B. F. Muldoon. 2,261,001; Oct. 28.
Floor or roof, Plastic. J. J. Widmayer. 2,260,425; Oct. 28.
Fluid deflector for well drills. F. L. Scott. 2,260,487; Oct. 28.
Fluid delivery device. L. H. Cushman. 2,260,301; Oct. 28.
Fluid medium distribution system, High pressure. A. L. Stellhorn. 2,261,080; Oct. 28.
Fluid motor. H. C. Hueber. 2,260,853; Oct. 28.
Fluid transmission. G. T. Pollard. 2,260,581; Oct. 28.
Fluids, Application of mud-laden or drilling. F. B. Williams. 2,260,499; Oct. 28.
Flux, Soldering. J. D. Coleman. 2,260,986; Oct. 28.
Folder and indexing means of carrying loose-leaf sheets, Transparent. F. S. Schade. 2,260,407; Oct. 28.
Folding chair. C. F. Benjamin. 2,260,735; Oct. 28.
Food products, Freezing. J. E. Guinane. 2,260,450; Oct. 28.
Form, Curb and gutter. E. M. Forbes. 2,260,447; Oct. 28.
4,4'-disubstituted diphenyl sulphones, Preparing. E. C. Kleiderer and A. M. van Arendonk. 2,260,626; Oct. 28.
Frame: *See*—
Cop frame.
Frame. J. D. Gunzelman. 2,260,451; Oct. 28.
Frequency meter. D. T. Cooper. 2,260,933; Oct. 28.
Fuel, Manufacture of motor. L. G. Story. 2,261,004; Oct. 28.
Fuel to internal combustion engines, Regulation of the supply of. P. L'Orange. 2,260,688; Oct. 28.
Fuels and driving substances, Producing readily inflammable solid. A. Pott and H. Broche. 2,261,075; Oct. 28.
Funnel. J. Blasingame. 2,260,430; Oct. 28.
Fuse, High tension. T. F. Johnson. 2,260,457; Oct. 28.
Game apparatus. A. B. Le May. 2,260,467; Oct. 28.
Game board and apparatus for use in connection therewith. M. W. Erle. 2,260,892; Oct. 28.
Garbage can holder. J. E. John. 2,260,570; Oct. 28.
Garment hanger. J. D. Coney. 2,260,607; Oct. 28.
Gas absorbing system. R. B. Everson. 2,260,936; Oct. 28.
Gas analysis method and apparatus. W. R. Bendy. 2,260,821; Oct. 28.
Gas cock. E. H. Mueller. 2,260,474; Oct. 28.
Gas material, Method and apparatus for dispensing. G. H. Zenner. 2,260,357; Oct. 28.
Gate: *See*—
Counterbalanced tail gate.
Gauge: *See*—
Manifold pressure gauge. Roller set gauge.
Gauge for elongated bodies. A. L. Wallace. 2,260,351; Oct. 28.

Gears, Method of and apparatus for cutting. L. O. Carlsen. 2,260,605; Oct. 28.
Gel and lubricant made therefrom. S. S. Kistler. 2,260,625; Oct. 28.
Generator: *See*—
Electric ozone generator.
Getter. Z. J. Atlee. 2,260,927; Oct. 28.
Glass bending mold. P. P. Marshall. 2,261,033; Oct. 28.
Glass cutter. M. C. Eldredge. 2,260,706; Oct. 28.
Glass, Manufacture of vesicular. J. H. Fox and W. O. Lytle. 2,261,022; Oct. 28.
Glass, Method and apparatus for bending. H. J. Galey. 2,261,023; Oct. 28.
Glove holder. G. and I. Bloom. 2,260,700; Oct. 28.
Golf ball teeing device. E. Duchesne. 2,260,514; Oct. 28.
Governor for automatic transmission. C. R. Roche. 2,260,406; Oct. 28.
Grain indicator. A. Enderud. 2,260,661; Oct. 28.
Grinding machine, Centerless. A. J. Strong. 2,260,843; Oct. 28.
Guanidine thiosulphate reaction product. G. P. Ham. 2,260,665; Oct. 28.
Guard device for pressure-responsive instruments. F. H. Hopkins. 2,261,027; Oct. 28.
Guide for elevator cars, Fluid controlled. W. Spiro. 2,260,922; Oct. 28.
Halogens from fluids, Recovery of. D. M. Findlay. 2,261,021; Oct. 28.
Halo-hydrins, Manufacturing. L. Valik. 2,260,547; Oct. 28.
Hammock, Baby. J. and W. W. Schuck. 2,260,584; Oct. 28.
Handle: *See*—
Door handle.
Hanger: *See*—
Garment hanger.
Harness connector for looms. O. V. Payne. 2,260,788; Oct. 28.
Hatch construction. G. G. Gilpin. 2,260,938; Oct. 28.
Head and table adjusting mechanism for drill presses and the like. H. E. Musselman. 2,260,635; Oct. 28.
Headlight bulb for automobiles, Nonglare. P. Minchillo. 2,260,473; Oct. 28.
Heat exchanger, Sectional core. L. C. Pfost. 2,260,638; Oct. 28.
Heater: *See*—
Annular core heater.
Automobile heater.
Orchard heater.
Room heater.
Heater structure for thermionic devices, Improved. R. H. Fidler. 2,260,308; Oct. 28.
Heater unit. W. J. Russell. 2,260,793; Oct. 28.
Heating device for oil and gas wells, Electric. T. A. Rial. 2,260,916; Oct. 28.
Heating element mounting. C. J. Weinhardt and C. H. Gunthorp. 2,260,961; Oct. 28.
Heating unit. P. W. Green. 2,260,791–2; Oct. 28.
Heating unit. W. J. Russell. 2,260,790; Oct. 28.
Hectograph blanket having an acidic bonding agent. R. C. Bour. 2,260,506; Oct. 28.
Hectograph blanket and preparing same. W. Hoskins, Jr. 2,260,379; Oct. 28.
Heddle bar mounting. S. R. Floyd. 2,260,989; Oct. 28.
Heel bone pocketing accessory for shoes. C. W. Herbst. 2,260,377; Oct. 28.
Hitch. C. Beeson. 2,260,550; Oct. 28.
Hitch, Trailer. R. F. Dollase. 2,260,442; Oct. 28.
Hoisting mechanism for locomotives. L. D. Holmes. 2,260,623; Oct. 28.
Holder: *See*—
Christmas tree holder.
Card holder.
Filter glass holder.
Garbage can holder.
Glove holder.
Loose leaf holder.
Telephone receiver holder.
Watch movement holder.
Holder. T. R. Nichols and C. J. Ringer. 2,260,787; Oct. 28.
Holder for drinking glasses, Article. M. M. Smith. 2,260,411; Oct. 28.
Hollow articles from plastics, Method of and machine for making. W. H. Kopitke. 2,260,750; Oct. 28.
Hook: *See*—
Fish trap hook.
Hose connection. A. Hedeman. 2,260,454; Oct. 28.
Hose, Gasoline dispensing. D. J. Nelson. 2,260,537; Oct. 28.
Hosiery and making same. L. D. Wagenhorst. 2,260,960; Hosiery and method of manufacture. J. M. Allen. 2,260,650; Oct. 28.
Hot pad. B. M. Katz. 2,261,064; Oct. 28.
House construction, Prefabricated. W. van Alen. 2,260,353; Oct. 28.
Humidifying head. G. A. D'Arcy and J. R. Rabbitt. 2,260,987; Oct. 28.
Hydraulic braking system. B. Stelzer. 2,260,491; Oct. 28.
Hydraulic device. G. G. Morin and E. J. Carleton. 2,260,979; Oct. 28.
Hydraulic pump. C. J. Wolff. 2,260,696; Oct. 28.
Hydraulic synchronizer. E. Martin. 2,260,469; Oct. 28.
Hydrocarbon burner with pilot chambers, Liquid. J. L. Breese. 2,260,555; Oct. 28.
Hydrocarbons, Alkylation of. K. Korpi and A. R. Goldsby. 2,260,945; Oct. 28.
Hydrocarbons, Inhibiting the oxidation of. W. E. Robbins and R. R. Zundel. 2,260,683; Oct. 28.
Hydrocarbons, Manufacture of antiknock motor fuel. K. Korpi and A. R. Goldsby. 2,260,943; Oct. 28.
Hydrostatic brake. C. Sauzedde. 2,260,340; Oct. 28.
Hydroxy-alkyl amine condensation products. W. Kritchevsky. 2,260,384; Oct. 28.
Ice cream dispensing cabinet. T. S. Elliott, Sr. 2,260,563; Oct. 28.
Ignition apparatus. J. R. Frei and W. C. Pross. 2,260,663; Oct. 28.
Ignition system. A. J. Di Lucci. 2,260,610; Oct. 28.
Ignition system for internal combustion engines. M. F. Peters and G. F. Blackburn. 2,260,331; Oct. 28.
Illuminated sign. F. S. Ganoung. 2,260,743; Oct. 28.
Illuminating apparatus. R. C. Tutwiler. 2,260,495; Oct. 28.
Illumination determining system. M. E. Collins. 2,260,702; Oct. 28.
Impression mechanism. I. L. Elder. 2,260,970; Oct. 28.
Indicating apparatus, Liquid level. W. T. Marchment. 2,260,913; Oct. 28.
Indicating instrument. F. H. Hopkins. 2,261,029; Oct. 28.
Indicator: *See*—
Direction indicator.
Grain indicator.
Liquid level indicator.
Weight indicator.
Indicia and like designs, Process for the production of. O. Lorch. 2,260,573; Oct. 28.
Ink distribution system. L. B. Case. 2,260,364; Oct. 28.
Insert for buckles and the like. P. W. White. 2,260,878; Oct. 28.
Inspection port for screw conveyer connections. J. L. Kozak. 2,260,812; Oct. 28.
Insulator pin. M. Ruggieri. 2,260,917; Oct. 28.
Internal combustion engine. R. M. Hvid. 2,260,975; Oct. 28.
Internal combustion engine. B. Walker. 2,260,982; Oct. 28.
Interceptor for drain lines. R. H. Shenk. 2,260,920; Oct. 28.
Ion-exchanging preparations and product thereof, Making. P. C. Goetz. 2,260,971; Oct. 28.
Iron: *See*—
Soldering iron.
Iron, Malleableizing cast. C. H. Lorig. 2,260,998; Oct. 28.
Ironing apparatus. T. R. Bush. 2,260,799; Oct. 28.
Irradiating method. E. S. Bettis. 2,260,823; Oct. 28.
Jack. C. S. Johnston. 2,260,903; Oct. 28.
Jacket. P. H. Bailey. 2,260,426; Oct. 28.
Jacket, Convertible. P. H. Bailey. 2,260,427; Oct. 28.
Joint: *See*—
Ball and socket joint.
Joint for electric cables. L. G. Brazier and D. T. Hollingsworth. 2,260,850; Oct. 28.
Joint members, Making threaded. J. J. Dunn. 2,261,056; Oct. 28.
Journal box packing retainer. E. Bendle. 2,260,765; Oct. 28.
Keratins, Treatment of. J. B. Speakman. 2,261,094; Oct. 28.
Ketones of the cyclopentanopolyhydrophenanthrene series, Manufacture of α-β unsaturated. K. Miescher and A. Wettstein. 2,260,328; Oct. 28.
Key action for musical instruments. G. H. Stephens. 2,260,412; Oct. 28.
Keyboard for pianofortes and other instruments with similar keyboards. W. G. Beaver. 2,260,984; Oct. 28.
Knife, Putty and glazier. W. A. Joyce. 2,261,063; Oct. 28.
Knitting machine. C. F. Miller. 2,260,579; Oct. 28.
Knitting machine, Straight-bar. H. W. and E. Start. 2,261,079; Oct. 28.
Lamp and heater, Toilet. R. E. G. Dewar. 2,260,803; Oct. 28.
Lamp flasher, Batteryless photoflash. J. R. Painter. 2,261,073; Oct. 28.
Last. H. Goodman and E. J. McGown. 2,260,568; Oct. 28.
Last and making. R. C. Appleton. 2,261,012; Oct. 28.
Lathe, Crankshaft. W. D. Hunt. 2,261,086; Oct. 28.
Lens for electric discharge tubes, Electron. E. Brüche. 2,260,851; Oct. 28.
Lens system. M. A. Durand. 2,260,368; Oct. 28.
Lifting mechanism. J. J. Mizer. 2,260,533; Oct. 28.
Light: *See*—
Road light.
Light directing device. W. R. Beattie. 2,260,597; Oct. 28.
Light-sensitive layers, Producing. E. R. Elvegård. 2,260,445; Oct. 28.
Lighter and instrument panel lamp for vehicles, Combined cigar. J. C. Smith. 2,260,588; Oct. 28.
Liner, Exhaust port. D. B. Bell. 2,260,656; Oct. 28.
Liquid dispensing apparatus. M. C. Schwab. 2,261,037; Oct. 28.
Liquid level indicator, Audible signal. H. C. Krone and W. Meyer. 2,260,385; Oct. 28.
Lock: *See*—
Automobile lock.
Elevator door lock.
Lock. E. N. Kennedy. 2,260,674; Oct. 28.
Locking mechanism, Coin controlled. E. W. McCarroll and H. Hansen. 2,260,950; Oct. 28.
Locomotive, Mine. R. L. Barry. 2,260,360; Oct. 28.
Loose-leaf binder. E. J. Bloore. 2,260,929; Oct. 28.

Loose-leaf holder. W. A. Daley. 2,260,886; Oct. 28.
Lubricant. P. A. Asseff. 2,261,047; Oct. 28.
Lubricant distributor. J. J. Hennessy. 2,260,520; Oct. 28.
Lubricating system and apparatus. J. B. Whitted. 2,260,497; Oct. 28.
Luminaire. T. W. Rolph. 2,260,693; Oct. 28.
Luminescent screen. F. E. Swindells. 2,260,924; Oct. 28.
Lure, Fish. J. J. Mackovich. 2,261,068; Oct. 28.
Machine for folding blanks. F. H. Chapman. 2,261,018; Oct. 28.
Machine for forcing fittings into the ends of wooden bars. H. K. Lorentzen. 2,260,389; Oct. 28.
Machine for forming sheet metal sections. F. L. Hoess. 2,260,621; Oct. 28.
Machine for making sandwiches. S. Deutscher. 2,260,832; Oct. 28.
Machine for producing bent sippers. F. C. Hamilton. 2,260,517; Oct. 28.
Machine for separating frangible sheet material. J. Y. Huber, Jr., and J. C. Baxter. 2,261,062; Oct. 28.
Machine tool. E. E. Coffin and A. L. Krause. 2,261,052; Oct. 28.
Machine tool. G. K. McKee. 2,260,327; Oct. 28.
Magnetic flux meter. G. S. Smith. 2,260,589; Oct. 28.
Magnetic switch. D. Buccicone and C. M. Shank. 2,260,771; Oct. 28.
Mail chute construction. M. Katz. 2,260,714; Oct. 28.
Manifold pressure gauge, Vaporproof. L. V. Bjong. 2,260,766; Oct. 28.
Manifolding. C. W. Brenn. 2,260,601–2; Oct. 28.
Manufacture of motor fuels. A. R. Goldsby and T. A. Mangelsdorf. 2,260,990; Oct. 28.
Marker, Highway traffic. L. M. Wise. 2,260,498; Oct. 28.
Marking machine. D. F. Putnam, C. F. Robbins, and C. H. Cheeseman. 2,260,400; Oct. 28.
Mask, Oronasal. W. M. Boothby, A. H. Bulbulian, and W. R. Lovelace. 2,260,701; Oct. 28.
Match book. C. C. Baldwin. 2,260,359; Oct. 28.
Match heads and manufacturing the same, Electrically ignited. C. H. Caughey and W. F. Mitcheltree. 2,260,558; Oct. 28.
Material handling mechanism. B. J. Di Santo. 2,260,611; Oct. 28.
Mattress spring. A. Krakauer. 2,260,627; Oct. 28.
Measuring device. W. A. Weiss. 2,261,010; Oct. 28.
Measuring materials feeder. P. Wright. 2,260,926; Oct. 28.
Medicinal preparation. S. L. Ruskin. 2,260,870; Oct. 28.
Melting and drying machine. J. B. Sweeney. 2,261,006; Oct. 28.
Metal clad switch. R. P. Mattern. 2,260,754; Oct. 28.
Metallurgical process. C. H. Humphries. 2,260,670; Oct. 28.
Meter: *See*—
Frequency meter.
Magnetic flux mixer.
Method and apparatus for forming sprays. G. G. Budwig. 2,260,603; Oct. 28.
Method of and apparatus for preparing facsimile master copies. F. L. O'Brien and P. H. Estes. 2,260,862; Oct. 28.
Microphone, Contact. S. G. Sears and W. T. Weidenman, Sr. 2,260,727; Oct. 28.
Milk bottle cream separator. H. F. Unsinger. 2,260,422; Oct. 28.
Mill: *See*—
Rolling mill.
Mineral composition. V. V. Kelsey. 2,260,749; Oct. 28.
Mixer. W. S. Everett. 2,260,834; Oct. 28.
Mold: *See*—
Glass bending mold.
Molded composition slipper bearing. T. L. Gatke. 2,260,567; Oct. 28.
Motor: *See*—
Fluid motor.
Pressure fluid motor.
Windshield cleaner motor.
Motor vehicle. V. Preston. 2,260,403; Oct. 28.
Motor vehicle with automatic main clutch and automatic transmission. B. Burns. 2,260,798; Oct. 28.
Motor vehicle with starting clutch. B. Burns. 2,260,797; Oct. 28.
Mounting: *See*—
Fan mounting.
Heating element mounting.
Window panel mounting.
Wiper blade mounting.
Heddle bar mounting.
Mounting for fishing reels. W. B. Crosby. 2,260,885; Oct. 28.
Mounting for instrument armatures, Anti-rattling. M. S. Wilson. 2,260,813; Oct. 28.
Mounting for supporting rotary drums. H. W. How. 2,260,321; Oct. 28.
Mounting for vises. A. Kruczek. 2,260,995–6; Oct. 28.
Mower. R. D. Clemson. 2,260,297; Oct. 28.
Mower. R. D. Clemson. 2,260,801; Oct. 28.
Mowing attachment for tractors. J. E. Horste. 2,260,668; Oct. 28.
Nail polish drier. M. A. Lasha. 2,260,687; Oct. 28.
Nail pulling machine. B. H. Black and C. A. Motz. 2,260,767; Oct. 28.
Nitrocellulose and making same, Gelatinized. J. K. H. Seiberlich. 2,260,343; Oct. 28.
Nitrogen compounds, Organic. D. M. Ritter. 2,261,002; Oct. 28.
Nonoverfill and relief device. C. L. Keller. 2,261,032; Oct. 28.
Nozzle, Wire rope. F. B. Downing, Sr. 2,260,443; Oct. 28.
Nut, Lock. R. W. Luce. 2,260,531; Oct. 28.
Nut runner attachment. W. K. Beckwith. 2,260,598; Oct. 28.
Offset turning tool. E. F-G. Gibbs. 2,260,373; Oct. 28.
Oil addition agent, Synthetic. E. F. Engelke. 2,260,304; Oct. 28.
Oil addition agents. E. F. Engelke. 2,260,303; Oct. 28.
Oil composition, Lubricating. J. E. Schott. 2,260,341; Oct. 28.
Oil, Stabilized fuel. E. T. Scafe. 2,261,003; Oct. 28.
Oils and the like, Treating fatty. J. M. Whiteley and L. B. Turner. 2,260,417; Oct. 28.
Oils, Refining animal and vegetable. B. H. Thurman. 2,260,731; Oct. 28.
Oils, Refining of animal and vegetable. B. H. Thurman. 2,260,730; Oct. 28.
Oils, Treatment of hydrocarbon. A. R. Goldsby and K. Korpi. 2,260,944; Oct. 28.
Oily and fatty materials, Purifying and decolorizing. E. Kellens. 2,260,910; Oct. 28.
Opener, Egg. R. Haegele. 2,260,836; Oct. 28.
Orchard heater. T. F. Veghte. 2,260,548; Oct. 28.
Ornamental siding material, Insulated. S. S. Phillips. 2,260,334; Oct. 28.
Orthopedic device. R. A. Tennant. 2,261,041; Oct. 28.
Oscillation generation. G. Stark. 2,260,545; Oct. 28.
Oscillator for ultrahigh frequencies, Crystal controlled. I. E. Fair. 2,260,707; Oct. 28.
Package for canned goods W. M. Vogel. 2,260,959; Oct. 28.
Package for indicator paper, Dispensing. W. E. White. 2,260,962; Oct. 28.
Packaging articles, Method and apparatus for. C. H. Petskeyes. 2,260,332; Oct. 28.
Packing, High pressure flange. W. D. Shaffer. 2,260,542; Oct. 28.
Packing, Liner. M. M. Cunningham and L. D. Barner. 2,260,440; Oct. 28.
Pad: *See*—
Hot pad.
Pan, Multiple unit baking. A. L. Langel. 2,260,782; Oct. 28.
Panel section. J. P. Speck. 2,260,590; Oct. 28.
Panels for linings for vessels, Corrugated. J. McCarthy. 2,260,393; Oct. 28.
Paper disk, Reinforced. J. E. Annen. 2,260,651; Oct. 28.
Partition structure, Metallic. J. A. Bohnsack. 2,260,657; Oct. 28.
Partition stud structure. W. M. Goldsmith. 2,260,777; Oct. 28.
Paste tube closure. J. C. Auditore. 2,260,763; Oct. 28.
Patty maker. H. H. Holly. 2,260,780; Oct. 28.
Pen, Fountain. G. E. Johndohl. 2,260,571; Oct. 28.
Pen with blotter, Fountain. M. J. Waldinger. 2,261,009; Oct. 28.
Petroleum distillates, Treatment of polymerizable. W. T. Hancock. 2,260,619; Oct. 28.
Petroleum gas dispensing system, Liquefied. L. J. White. 2,260,356; Oct. 28.
Petroleum hydrocarbons, Process of refining. W. T. Hancock. 2,260,618; Oct. 28.
Petroleum oil, Process of refining. W. T. Hancock; 2,260,620; Oct. 28.
Phonographic apparatus. R. F. Brady and P. Weathers. 2,260,289; Oct. 28.
Photographic apparatus. M. Cuendet. 2,260,561; Oct. 28.
Phonographic apparatus. J. J. Hoehn. 2,260,319; Oct. 28.
Photographic enlarging apparatus. S. Johanson. 2,260,672; Oct. 28.
Photographic lens barrel adjusting means. A. H. Gorey. 2,260,991; Oct. 28.
Phosphorus compounds. E. F. Engelke. 2,260,305; Oct. 28.
Piano action. W. G. Betz. 2,260,287; Oct. 28.
Piano action. J. A. Gould. 2,260,310; Oct. 28.
Piano action. J. C. Potwin. 2,260,335; Oct. 28.
Picture projector, Motion. O. J. Holmes. 2,260,569; Oct. 28.
Piezoelectric crystal holder, Hermetically sealed. H. Granger. 2,260,311; Oct. 28.
Pigment materials, Preparing improved. J. E. Booge. 2,260,826; Oct. 28.
Pigment testing device. P. A. Thomasset. 2,260,729; Oct. 28.
Pigments and making the same, Self-flocculating dispersible. R. H. Sawyer. 2,260,871; Oct. 28.
Pin: *See*—
Insulator pin.
Piston for fluid pressure brakes, Lubricated. C. A. Campbell. 2,260,435; Oct. 28.
Piston pin and king bolt vise. R. French. 2,260,708; Oct. 28.
Piston ring, Composite. A. P. Fall. 2,260,612; Oct. 28.
Piston valve for musical and wind instruments. R. B. Olds. 2,260,723; Oct. 28.
Plant shield or shelter. B. C. Chambers. 2,260,436; Oct. 28.

Plasticizer and plastic composition. T. F. Carruthers and C. M. Blair. 2,260,295; Oct. 28.
Plug: *See*—
Attachment plug. Spark plug.
Connector plug.
Polish rod clamp. F. D. Stanley. 2,260,544; Oct. 28.
Polymers, Treatment of substantially solid resinous linear condensation. A. L. Dubeau, J. D. MacMahon, and G. P. Vincent. 2,260,367; Oct. 28.
Polyvinyl acetal resin sheets containing tributyl citrate. H. B. Smith. 2,260,410; Oct. 28.
Portable bar. R. I. Sheldon. 2,260,586; Oct. 28.
Portable structure. A. Ebenhack. 2,260,369; Oct. 28.
Poultry plucker. J. W. Kittredge. 2,260,855; Oct. 28.
Pouncing machine. P. Schultze. 2,260,956; Oct. 28.
Powder container. E. Anderson. 2,260,764; Oct. 28.
Power supply system, Constant frequency. D. S. Bond. 2,260,930; Oct. 28.
Power supply system, Constant frequency. D. S. Bond and F. L. Moseley. 2,260,931; Oct. 28.
Power take-off for rolling stock. C. I. Moorman. 2,260,633; Oct. 28.
Press: *See*—
Tube drawing press.
Press for printing spots of wax carbon on paper. D. L. Boyd. 2,260,553; Oct. 28.
Pressure fluid motor. J. C Curtis and C. F. Osgood. 2,260,300; Oct. 28.
Pressure measuring apparatus. H. P. Kuehni. 2,260,837; Oct. 28.
Printing machine. A. Potdevin. 2,260,402; Oct. 28.
Printing machine, Copy. P. Schmeck. 2,260,486; Oct. 28.
Printing machine, Photographic. A. Ludwig. 2,260,530; Oct. 28.
Process and apparatus for core sample orientation. L. Dillon. 2,260,562; Oct. 28.
Projection apparatus. A. Boni and G. Goldberg. 2,260,551; Oct. 28.
Projection apparatus. A. Boni and L. L. Richardson. 2,260,552; Oct. 28.
Projection apparatus, Slide. G. Kende. 2,260,673; Oct. 28.
Projector and control system therefor, Motion picture. H. G. Cunningham and J. M. Willson. 2,260,299; Oct. 28.
Prospecting device. Micromagnetic. W. P. Jenny. 2,261,030; Oct. 28.
Protector: *See*—
Switch protector.
Pump: *See*—
Electric fuel pump. Well pump.
Hydraulic pump.
Pump. B. C. Boeckeler. 2,260,600; Oct. 28.
Pump. W. L. Davis. 2,260,888; Oct. 28.
Pump. A. D. Ferguson. 2,260,306; Oct. 28.
Pump. A. Rappl. 2,260,867; Oct. 28.
Pump for accessory systems. A. Rappl. 2,260,868; Oct. 28.
Pump valve. A. J. Granberg. 2,260,805; Oct. 28.
Pumping means for internal combustion engines. F. A. Thaheld. 2,260,414; Oct. 28.
Puzzle. I. Steinhardt. 2,261,040; Oct. 28.
Rack: *See*—
Display rack.
Radiators, Electroforming method for producing. H. O. Ewing. 2,260,893; Oct. 28.
Radio control device. H. Z. Benton and L. P. Morris. 2,260,885; Oct. 28.
Radio traffic control system. W. S. Halstead. 2,260,315; Oct. 28.
Radio tuner. E. L. Barrett. 2,260,429; Oct. 28.
Radio tuning apparatus. H. Z. Benton and L. P. Morris. 2,260,599; Oct. 28.
Rail for piano action abstracts, Movable rest. C. F. Stein. 2,260,348; Oct. 28.
Rail for Venetian blinds, Lower. H. S. Rosenbaum. 2,260,726; Oct. 28.
Railway car. J. M. Hall. 2,260,898; Oct. 28.
Railway car end structure. C. E. Crede. 2,260,512; Oct. 28.
Railway signaling system. A. Brown and T. A. Marshall. 2,260,292; Oct. 28.
Razor, Safety. P. L. Phillips. 2,260,333; Oct. 28.
Reamer. W. L. Childs. 2,260,366; Oct. 28.
Receiver, Television. A. A. Linsell. 2,260,721; Oct. 28.
Receptacle: *See*—
Ash receptacle.
Reel: *See*—
Film reel.
Refrigerating apparatus. H. E. Blood. 2,260,825; Oct. 28.
Refrigerating apparatus of the compression type. R. Hintze and P. Pfaff. 2,260,807; Oct. 28.
Refrigeration. W. R. Hainsworth. 2,260,939; Oct. 28.
Refrigerator car. C. D. Bonsall. 2,260,505; Oct. 28.
Refrigerator car. V. E. West. 2,260,496; Oct. 28.
Refrigerator car. K. E. Zeidler. 2,260,502–3; Oct. 28.
Register, Manifolding. W. G. Borchers. 2,261,082; Oct. 28.
Regulator: *See*—
Temperature regulator.
Regulator for petroleum separators, Outflow. H. Richter. 2,260,789; Oct. 28.
Reinforcement spacer. H. Healey and J. J. Cassidy. 2,260,974; Oct. 28.
Reinforcement spacer, Concrete. H. Healey and J. J. Cassidy. 2,260,973; Oct. 28.
Resinous compositions, Preparing. D. E. Edgar. 2,260,890; Oct. 28.
Resins, Coloring plastic. C. N. Smith. 2,260,543; Oct. 28.
Rhinestone attaching machine. A. A. La Russa, G. J. Knell, and W. J. Dellert. 2,260,572; Oct. 28.
Ring: *See*—
Piston ring.
Road light. H. Z. Benton. 2,260,736; Oct. 28.
Roller, Inking. E. S. Beck. 2,261,081; Oct. 28.
Roller set gauge. A. Taylor. 2,260,413; Oct. 28.
Rolling mill. C. W. Yarrington and W. A. Zahutnik. 2,260,762; Oct. 28.
Rolls, Husking. G. E. Martin. 2,261,069; Oct. 28.
Room heater. E. G. Gibson. 2,260,895; Oct. 28.
Rope, Spring lay wire. M. D. V. Millard. 2,261,070; Oct. 28.
Rotameter. W. Gerber. 2,260,516; Oct. 28.
Rouge pads, Method of and apparatus for forming. C. M. Johnson. 2,260,456; Oct. 28.
Rubber, Vulcanization of. I. Williams. 2,261,042; Oct. 28.
Rubberlike materials, Preparation of synthetic. H. Murke. 2,260,475; Oct. 28.
Safety pilot. G. C. Bergtholdt, Jr. 2,260,737; Oct. 28.
Salt, Complex quarternary ammonium. H. A. Bruson. 2,260,967; Oct. 28.
Sample container. L. S. Wrightsman. 2,260,419; Oct. 28.
Sander, Portable belt. A. W. Mall. 2,260,949; Oct. 28.
Sash balance. H. J. Belcher. 2,260,965; Oct. 28.
Saw, Portable table. M. V. Tracy. 2,260,421; Oct. 28.
Scoop, Ice cream. C. Miller. 2,260,689; Oct. 28.
Scoreboard, Coin controlled bowling. L. F. Herlache. 2,260,284; Oct. 28.
Scraper. C. Le Bleu. 2,260,388; Oct. 28.
Screen: *See*—
Luminescent screen.
Screening apparatus. K. Krohn. 2,260,386; Oct. 28.
Seal for rotary pumps. J. P. Johnson. 2,260,809; Oct. 28.
Seal, Rotary liquid. J. R. Barr. 2,260,820; Oct. 28.
Seasoning material derived from red peppers and the derivation thereof. C. L. Griffith and L. A. Hall. 2,260,897; Oct. 28.
Seat and back, Combination. P. Trapani. 2,260,352; Oct. 28.
Seat construction. F. M. Shanahan. 2,260,981; Oct. 28.
Seat construction. L. A. Young. 2,260,815; Oct. 28.
Seat cushion structure. L. A. Chambers. 2,260,437; Oct. 28.
Seeds rich in protein, Treating. F. G. Rawling and W. M. Welton. 2,260,640; Oct. 28.
Selecting circuit. M. P. Wilder. 2,260,963; Oct. 28.
Selecting means. W. M. Houghton. 2,260,748; Oct. 28.
Self-loading vehicle. E. C. Leach and H. J. Hillborn. 2,260,947; Oct. 28.
Semiautomatic brake. W. R. Gass. 2,260,566; Oct. 28.
Separator: *See*—
Milk bottle cream separator.
Sewing machine, Multineedle. H. Kibitz, A. C. Suchy, and J. W. Droll. 2,260,382; Oct. 28.
Shear, Reciprocating flying. H. H. Talbot. 2,261,007; Oct. 28.
Shears. O. K. Clinton. 2,250,884; Oct. 28.
Sheathing, Lap lock. G. A. Morthland. 2,260,720; Oct. 28.
Sheet assembling machine. P. H. Roethe. 2,260,582; Oct. 28.
Sheet feeding device, Duplicating machine. R. J. Copeland and E. J. Bloore. 2,260,659; Oct. 28.
Sheet feeding mechanism for printing presses. C. F. Root. 2,260,684; Oct. 28.
Sheet, Folded. S. Shapiro. 2,260,488; Oct. 28.
Sheet metal shaper. A. S. Johann. 2,260,624; Oct. 28.
Sheets, Making decorative. S. H. Hartman. 2,260,453; Oct. 28.
Shelf and mounting therefor. F. P. Shockey. 2,261,078; Oct. 28.
Shield, Adjustable glare. R. T. and H. V. Hogg. 2,260,622; Oct. 28.
Shield, Eye. J. Freitas. 2,260,614; Oct. 28.
Shifting lever for cloth laying machines, Cloth. H. F. Meyer. 2,260,394; Oct. 28.
Shingle cutter. S. N. Gundlach. 2,260,972; Oct. 28.
Shipping case. H. F. Waters. 2,260,424; Oct. 28.
Shock absorber. J. E. Lindeman. 2,260,532; Oct. 28.
Shoe, Conductive. L. J. Monahan. 2,261,072; Oct. 28.
Shoe heel. F. R. Merritt. 2,260,472; Oct. 28.
Shoemaking. W. H. Heaton. 2,260,713; Oct. 28.
Shovel, Tractor. W. Ruddock. 2,260,539; Oct. 28.
Shuffleboard table and playing top and other tables. P. Kotier. 2,260,716; Oct. 28.
Sign: *See*—
Electrical sign. Illuminated sign.
Signboard. L. F. Connors. 2,260,658; Oct. 28.
Signaling device for vehicles, Traffic. M. G. Nelsen. 2,260,680; Oct. 28.

Signaling device, Time of flight. W. H. Newell. 2,260,980; Oct. 28.
Signaling system. J. B. Testori. 2,260,648; Oct. 28.
Silo, Hay. R. G. Ferris. 2,260,307; Oct. 28.
Six wheel motor vehicle. R. Lewis. 2,260,468; Oct. 28.
Sleeve for canvas breeches, Waterproof. J. J. Hodovan. 2,260,526; Oct. 28.
Slide changing apparatus. J. A. Darwin. 2,260,660; Oct. 28.
Slip tool. E. M. Wagner. 2,260,876; Oct. 28.
Smoke disposal and draft inducing apparatus for locomotives. H. G. Day and W. E. Skinner. 2,260,441; Oct. 28.
Snap switch. G. O. Wilms. 2,260,964; Oct. 28.
Soldering iron. S. C. Brody. 2,261,015; Oct. 28.
Soldering iron. W. N. Vanatta. 2,260,647; Oct. 28.
Sound recording and reproducing device. C. W. Nystrom. 2,260,861; Oct. 28.
Sound recording system. B. Kreuser. 2,260,717; Oct. 28.
Sound records, Making. A. C. Blaney. 2,260,699; Oct. 28.
Spacing control for telefacsimile systems and the like. A. G. Cooley. 2,260,511; Oct. 28.
Spark plug. M. F. Peters and H. K. King. 2,260,399; Oct. 28.
Speed transmission, Change. P. E. Cassell and R. R. Meeker. 2,261,051; Oct. 28.
Spoon. M. Barnett. 2,260,654; Oct. 28.
Spring: *See*—
Coiled spring. Mattress spring.
Spring and shock absorber, Combined. L. Mullner. 2,260,634; Oct. 28.
Spring assembly and upholstery supporting mat therefor. L. A. Young. 2,260,596; Oct. 28.
Spring construction. K. A. Robinson. 2,260,954; Oct. 28.
Springing for railway trucks. I. M. Chambers. 2,260,508; Oct. 28.
Squirrel-cage winding. C. C. Shutt and M. R. Lory. 2,261,039; Oct. 28.
Stairway, Moving. E. B. Thurston and O. Hohnecker. 2,260,591; Oct. 28.
Start-up device for roll changers. A. J. Cline. 2,260,830; Oct. 28.
Steam distribution system, Locomotive. L. B. Jones. 2,260,458; Oct. 28.
Steel and making the same, Electrical. O. M. Otte. 2,260,397; Oct. 28.
Stocking and blank therefor, and making same, Run-proof or run-resistant flat-knit. E. E. Carlson. 2,260,362; Oct. 28.
Stoker, Furnace. J. A. Casey. 2,261,050; Oct. 28.
Straightening machine. B. P. Hazeltine. 2,260,375; Oct. 28.
Strand, Fabric covered. G. E. Henning. 2,260,521; Oct. 28.
Sugar juice, Clarifying cane. P. M. McHugh. 2,260,577; Oct. 28.
Support: *See*—
Cam shaft box support Engine support.
Disk support.
Surface shaving machine. R. S. Drummond. 2,260,935; Oct. 28.
Swab. H. T. Forbis. 2,261,058; Oct. 28.
Switch: *See*—
Coin-operated switch. Metal clad switch.
Electric switch. Snap switch.
Magnetic switch.
Switch. E. F. Carlson. 2,261,016; Oct. 28.
Switch. E. G. Reaves. 2,261,076; Oct. 28.
Switch. R. K. Winning. 2,260,592; Oct. 28.
Switch plate, Contact. M. Kilar. 2,260,459; Oct. 28.
Switch protector. J. F. King. 2,260,675; Oct. 28.
Switching device. R. K. Stout and T. B. Holliday. 2,260,350; Oct. 28.
System for producing telegraph signals. E. Hudec. 2,260,906; Oct. 28.
Table: *See*—
Automatic folding table. Utility table.
Table. W. E. and G. E. Corduan. 2,260,934; Oct. 28.
Table. K. Peter. 2,260,478; Oct. 28.
Tail gate control. P. R. Fairbanks. 2,261,099; Oct. 28.
Tank: *See*—
Wooden tank.
Telephone receiver holder. A. J. Daly. 2,260,703; Oct. 28.
Telephone system. G. Hecht. 2,260,318; Oct. 28.
Telephone system. R. E. Hersey. 2,260,524; Oct. 28.
Telephone system. F. K. Low. 2,260,722; Oct. 28.
Television apparatus. S. L. Clothier and H. C. Hogencamp. 2,260,559; Oct. 28.
Television device. U. Knick and H-W. Langenwalter. 2,260,911; Oct. 28.
Television system. F. Gray. 2,260,709; Oct. 28.
Temperature control system. H. E. Rowe. 2,260,840; Oct. 28.
Temperature regulator. E. Zurcher. 2,261,045; Oct. 28.
Teoning machine. J. H. Farrell. 2,260,662; Oct. 28.
(Tertiarybutyl-aryl) borates. R. F. Prescott, R. C. Dosser, and J. J. Sculati. 2,260,338; Oct. 28.
Testing and recording machine, Surface. O. J. Poupitch. 2,261,093; Oct. 28.
Testing apparatus. S. P. Brown. 2,260,432; Oct. 28.
Thermostatic valve. B. Pratt. 2,260,692; Oct. 28.
Thiosteroids and producing the same. R. Rebold. 2,260,953; Oct. 28.
Tie and clip, Combined plastic. C. H. Gibbs and V. A. Large. 2,260,615; Oct. 28.
Time controlled system. E. S. Ostler, A. L. Denniston, and C. S. Richardson. 2,260,864; Oct. 28.
Time system. E. B. Jackson. 2,260,808; Oct. 28.
Timing device. E. E. Lynch. 2,260,838; Oct. 28.
Tipping apparatus, Basket. T. F. Allen. 2,260,697; Oct. 28.
Tire, Pneumatic. G. G. Havens. 2,261,025; Oct. 28.
Tobacco, Determining the alkaloid content of uncured. L. N. Markwood. 2,260,677; Oct. 28.
Toilet seat and cover therefor. D. G. Richardi. 2,260,404; Oct. 28.
Tool: *See*—
Machine tool. Slip tool.
Offset turning tool.
Tool for shaping glass vials. F. D. Pinotti. 2,261,074; Oct. 28.
Toothbrush, Rotary. R. Gris. 2,261,059; Oct. 28.
Torque measuring wrench. H. W. Zimmerman. 2,260,358; Oct. 28.
Tower, Builder's. O. L. Berby. 2,261,013; Oct. 28.
Toy bank. S. Bee. 2,260,768; Oct. 28.
Toy mail car. R. J. Klingebiel. 2,260,460; Oct. 28.
Toy trucks and cars, Steering unit for. A. R. Neilson. 2,260,679; Oct. 28.
Tractor. S. W. Shaw. 2,260,344; Oct. 28.
Tractor, Industrial. E. J. Dunham. 2,260,804; Oct. 28.
Traffic guide. T. F. Kolts. 2,260,461; Oct. 28.
Trailer, Boat. H. J. Lafaye, Sr. 2,260,676; Oct. 28.
Transformer. O. M. Otte. 2,260,398; Oct. 28.
Transmission. C. F. Voytech. 2,260,846; Oct. 28.
Transmission, Automotive. C. J. Surdy. 2,260,759; Oct. 28.
Transmission, Hydraulic. A. H. Neuland. 2,260,859; Oct. 28.
Transmission means, Automatic power. B. Burns. 2,260,795; Oct. 28.
Transmission, Regenerative. R. Chilton. 2,261,019; Oct. 28.
Transmission synchronizer. P. Orr. 2,260,863; Oct. 28.
Transmission system. T. W. Gilman. 2,260,374; Oct. 28.
Trap: *See*—
Animal trap.
Trap device for trapping waste outlets. W. C. Groeniger. 2,260,616; Oct. 28.
Traverse mechanism for carriages and cross slides, Rapid. J. E. Lovely. 2,260,856; Oct. 28.
Tray, Automatic ice. C. R. Carney. 2,260,363; Oct. 28.
Tray, tank cover, and shelf, Combined. C. W. Mummery. 2,260,915; Oct. 28.
Trimming machine. W. T. B. Roberts. 2,260,483; Oct. 28.
Triturating apparatus. A. C. Lind. 2,261,090; Oct. 28.
Truck, Hand. C. A. Beebout. 2,260,698; Oct. 28.
Tube: *See*—
Cathode ray tube. Voltage converter tube.
Tube drawing press, Automatic. J. V. Giesler. 2,261,060; Oct. 28.
Tubes and pipes, Production of flexible. W. H. Grint. 2,260,282; Oct. 28.
Tufting mechanism for sewing machines. S. Goodman and F. Olson. 2,260,896; Oct. 28.
Tuning device. P. Ware. 2,260,877; Oct. 28.
Ultra short wave system. N. E. Lindenblad. 2,260,529; Oct. 28.
Undercarriage for aircraft. R. A. C. Brie. 2,260,290; Oct. 28.
Unloading device. N. Cadwell. 2,260,433; Oct. 28.
Upholstery machine. C. A. Boyd. 2,260,361; Oct. 28.
Upholstery retainer. W. F. Johnson. 2,260,908; Oct. 28.
Urea-formaldehyde-acid-amine co-condensation products and making the same. A. G. Hovey and T. S. Hodgins. 2,261,084–5; Oct. 28.
Utility table. H. W. and P. R. Anderson. 2,260,732; Oct. 28.
Vacuum cleaner. W. Leathers. 2,260,325; Oct. 28.
Vacuum connection. A. R. Wylie. 2,260,500; Oct. 28.
Valve: *See*—
Automatic expansion valve Thermostatic valve.
Pump valve.
Valve. G. J. Henry. 2,260,523; Oct. 28.
Valve assembly. L. H. Kennon. 2,260,381; Oct. 28.
Valve stem. M. A. Sorokin. 2,260,646; Oct. 28.
Vegetable dicer. K. W. Mesterton. 2,261,095; Oct. 28.
Vehicle: *See*—
Motor vehicle. Six wheel motor vehicle.
Self loading vehicle.
Vehicle wheel mounting device. F. Martin. 2,260,574; Oct. 28.
Vending machine. J. Rosan. 2,260,643; Oct. 28.
Vending machine, Bottled beverage. R. E. Baker. 2,260,734; Oct. 28.
Ventilator for corrugated structures. P. G. Masters. 2,260,534; Oct. 28.

Ventilator, Window. C. L. Casey. 2,260,281; Oct. 28.
Vibratory frequency standard. H. E. Warren. 2,260,847–8; Oct. 28.
Violin string anchoring means. W. C. Repass. 2,260,756; Oct. 28.
Visor. G. A. Roberts. 2,260,482; Oct. 28.
Voltage converter tube. S. Ruben. 2,260,758; Oct. 28.
Vulcanizer. J. W. Brundage. 2,260,966; Oct. 28.
Wall base, Partition. C. Schultz. 2,261,077; Oct. 28.
Wall protective coating. E. G. Berg. 2,260,882; Oct. 28.
Washing machine. J. H. Hamilton and D. B. Nicholson. 2,260,518; Oct. 28.
Watchcase. O. M. Haapanen and T. J. Kangas. 2,260,835; Oct. 28.
Watch movement holder. I. J. Dulaney. 2,261,055; Oct. 28.
Waterproofed building construction. A. Cheney. 2,260,438; Oct. 28.
Waterproofing composition. J. F. Maguire. 2,261,091; Oct. 28.
Water repellent and making same. J. B. Rust. 2,261,097; Oct. 28.
Wax from oil, Separation of. E. C. Knowles. 2,260,994; Oct. 28.
Wear resistant surfaces, Making. F. M. Wittlinger and C. W. Shartle, Jr. 2,260,593; Oct. 28.
Weather strip. H. H. Turner. 2,260,649; Oct. 28.
Weather stripping. E. J. Klein. 2,260,527; Oct. 28.
Weighing and packaging machine. J. D. Merrifield. 2,260,718; Oct. 28.
Weighing apparatus. V. D. Popov. 2,260,691; Oct. 28.
Weight indicator. H. A. Raphael. 2,260,401; Oct. 28.
Welder control, Method and system of. F. H. Roby. 2,260,405; Oct. 28.
Welding apparatus. R. E. Powell. 2,260,866; Oct. 28.
Welding apparatus, Electric. K. R. Bixby. 2,260,928; Oct. 28.
Welding device, End. J. D. Crecca, S. S. Scott, and A. M. Candy. 2,260,969; Oct. 28.
Welding, Electric. T. N. Fritzsch. 2,260,775; Oct. 28.
Welding tip, Multiflame. M. R. Scott. 2,260,342; Oct. 28.
Well drilling machine. H. W. Cardwell. 2,260,604; Oct. 28.
Well pump. D. E. Humphrey. 2,260,669; Oct. 28.
Well pump. D. E. Humphrey. 2,260,671; Oct. 28.
Wheel: *See*—
Buffing wheel.
Wheel. F. W. Burger. 2,260,828; Oct. 28.
Winder, Helical. W. H. Furness. 2,260,565; Oct. 28.
Winding machine. A. W. Arterton and F. F. Stange. 2,260,818; Oct. 28.
Winding machine. C. R. Sibley. 2,260,921; Oct. 28.
Window. H. Badrutt. 2,260,653; Oct. 28.
Window panel mounting. J. H. Sherts. 2,261,038; Oct. 28.
Window shade bracket, Demountable. G. B. Winter. 2,261,044; Oct. 28.
Windshield cleaner motor. L. Buchmann. 2,260,852; Oct. 28.
Windshield clearing system. E. C. Horton. 2,260,904; Oct. 28.
Wiper arm. E. C. Horton. 2,260,903; Oct. 28.
Wiper blade mounting. E. C. Horton. 2,260,905; Oct. 28.
Wire-cleaning machine. E. W. Morley. 2,260,783; Oct. 28.
Wire drawing. C. R. Horwedel. 2,260,455; Oct. 28.
Wooden tank. A. W. Ashley. 2,260,652; Oct. 28.
Woodworking device. K. Karish. 2,261,031; Oct. 28.
Wrapper and method. A. A. Kottmann. 2,260,324; Oct. 28.
Wrench: *See*—
Torque measuring wrench.

CLASSIFICATION OF PATENTS

ISSUED OCTOBER 28, 1941

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Adjudicated Patents

(C. C. A. Pa.) Price patent, No. 1,955,015, for heat exchanger, claim 1 *Held* invalid. *Griscom-Russell Co.* v. *Westinghouse Electric & Manufacturing Co.*, 121 F.(2d) 680.

(C. C. A. Md.) Lefort reissue patent, No. 20,370, for process for the production of ethylene oxide, claims 8 and 9 *Held* valid and infringed. *Id.*

Notice of Cancellation

U. S. Patent Office, *Washington, D. C., Sept. 19, 1941.*

John B. Sanders, his assigns or legal representatives, take notice:

An application for cancellation having been filed in this Office by Eagle Pencil Company, 703 East 13th St., New York, N. Y., to effect the cancellation of trade-mark registration of John B. Sanders, 117 E. Pearl St., Cincinnati, Ohio, No. 195,686, dated March 3, 1925, and the notice of such proceeding sent by registered mail to the said John B. Sanders at the said address having been returned by the post office undeliverable, notice is hereby given that unless said John B. Sanders, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Notice

Pursuant to Executive Order No. 8389 of April 10, 1940, as amended, the Treasury Department has promulgated the following General License and Public Circular explanatory thereof regarding both the filing and prosecuting of applications for patents for inventions and designs, and the receipt of patents by their respective owners issued on such applications, to wit:

TREASURY DEPARTMENT.
Office of the Secretary.
September 3, 1941.

General License No. 72, Under Executive Order No. 8389, April 10, 1940, as Amended, and Regulations Issued Pursuant Thereto, Relating to Transactions in Foreign Exchange, Etc.

(1) A general license is hereby granted authorizing (*i*) the filing in the United States Patent Office of applications for Letters Patent for inventions and designs, and the prosecution of such applications, in which any national of any blocked country has at any time on or since the effective date of the Order had any interest, and (*ii*) the receipt of Letters Patent issued pursuant to any such application, provided the following terms and conditions are complied with:

(*a*) The person filing or prosecuting any such application, or acting as attorney or agent in connection therewith, shall notify the United States Patent Office in writing that the application is being filed and prosecuted pursuant to this general license; and

(*b*) Upon notification by the United States Patent Office that Letters Patent will be issued and at least twenty days before the payment to such Office of the final fee therefor, there shall be filed directly with the Treasury Department a report on Form TFR–172, setting forth, under oath, the information called for therein.

(2) This general license shall also authorize any person who is not a national of any blocked country:

(*a*) To file and prosecute applications for Letters Patent in any blocked country;

(*b*) To receive Letters Patent granted pursuant to any such application; and

(*c*) To pay fees currently due to the government of any blocked country, either directly or through an attorney or representative located abroad, for the filing of any such application, and for the granting and maintenance of any patent.

Domestic banks are authorized to effect the payments referred to in (*c*) and to establish and maintain free dollar accounts if necessary, and only to the extent necessary, to effect such payments. Domestic banks are not authorized to establish or maintain free dollar accounts in cases where such payments may be effected in the manner prescribed in (*a*) or (*b*) of General License No. 32, as amended. All banks effecting any such payments shall satisfy themselves that the foregoing terms and conditions are complied with.

(3) All persons engaging in any of the transactions

(Continued on page 16)

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Condition of Applications Under Examination at Close of Business September 20, 1941

(Total number of applications awaiting action, excluding Trade-Mark Division, 44,946; Trade-Mark Division, 1,142. Oldest new case, Dec. 6, 1940; oldest amended, Dec. 21, 1940.)
(The dates given are 1941 except where † indicates 1940)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Feb. 15	Feb. 15	741
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	May 5	Apr. 15	546
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	July 8	July 8	492
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating, Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	June 7	June 2	580
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Apr. 16	Apr. 14	511
4898 C	6. LEWERS, A. M., Carbon Chemistry (part)	Feb. 18	Mar. 5	1,119
5726	7. JARBOE, C. G., Optics; Photography	Mar. 20	Mar. 24	1,024
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	Mar. 24	Mar. 21	896
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Apr. 15	Apr. 22	567
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Apr. 2	Apr. 2	580
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	May 23	May 26	408
7701	12. SPINTMAN, SAMUEL (Act.), Machine Elements; Mechanical Starters; Stop Mechanism	Apr. 25	Apr. 22	640
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Feb. 10	Feb. 17	599
5097	14. FREEHOF, H. B. (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	May 26	May 26	509
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Mar. 24	Mar. 22	1,150
5716	16. SPENCER, C. J., Telegraphy; Telephony	Apr. 29	Apr. 10	483
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	May 20	May 8	669
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Apr. 3	Apr. 8	410
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Apr. 11	Apr. 10	767
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Mar. 29	Apr. 5	493
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	June 7	May 20	310
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	Dec. 30	Dec. 31	1,371
7624	23. BUTTNER, W. J., Registers (part)	Feb. 24	Jan. 28	251
5063	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Apr. 17	Apr. 29	840
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	May 19	May 9	544
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	May 24	May 22	429
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	Apr. 25	Apr. 16	535
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Elements; Cylinders and Pistons	May 13	Apr. 14	360
5062	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	Mar. 17	Mar. 27	801
4083	30. McCANN, L. P., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	May 22	May 24	420
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Apr. 2	Apr. 2	1,456
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Apr. 4	Mar. 25	943
6096	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads.	Apr. 11	Apr. 11	1,075
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Surface Track; Track Sanders; Draft Appliances; Signals and Indicators.	Feb. 8	Feb. 13	504
3876	35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Portable Receptacles	Mar. 26	Mar. 18	1,019
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Apr. 11	Apr. 16	540
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	May 9	May 1	560
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Dec. 6	Dec. 21	1,364
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	May 21	June 3	464
7880	40. DRUMMOND, E. J., Metallic, Wood, Paper, and Special Receptacles	Mar. 7	Mar. 10	1,761
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Apr. 21	Apr. 21	534
5882	42. CUTTING, H. O., Electric Signaling	May 27	May 26	314
4886 B	43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Apr. 28	Apr. 30	648
4067 B	44. HARVEY, L. P., Refrigeration	Mar. 24	Mar. 22	572
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	June 4	June 28	294
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Mar. 18	Mar. 18	820
6082	47. KANOF, W. J., Clutches; Brakes	May 17	Apr. 21	409
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	May 13	May 14	548
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Mar. 20	Mar. 26	757
4701	50. LEVIN, S., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	Mar. 20	Mar. 20	1,333
5628	51. BACKUS, C. D., Radiant Energy (part)	July 3	July 3	409
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Apr. 14	Apr. 28	638
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Feb. 12	Feb. 14	706
5883	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	June 9	May 14	366
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	May 7	May 3	324
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	Feb. 21	Feb. 20	1,260
5613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	Feb. 14	June 9	181
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Apr. 1	Mar. 5	543
4709	59. SHEPPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	Mar. 14	Mar. 24	1,117
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Apr. 21	June 5	417
6724	61. YUNGKWAI, B., Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Feb. 28	Mar. 5	665
5621	62. PUGH, E. C., Games; Geometrical Instruments	June 11	May 5	604
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	Mar. 8	Mar. 5	1,121
4706	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	June 17	June 17	526
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	June 9	June 5	490
2099 B	Trade Marks: F. A. RICHMOND	Aug. 6	Aug. 18	1,142
2605	Designs: H. H. KALUPY	Aug. 8	Aug. 26	518

DECISIONS IN PATENT AND TRADE-MARK CASES

Commissioner's Decision

In re Application Filed April 17, 1940

Decided July 16, 1941

Application—Continuation-in-Part—Effect of Repeal of Section 4897 R. S.

Where a second application, filed after the allowance of a first, contains matter disclosed in the first and also additional matter, *Held* that "The mere fact that the second case contains some additional matter should not automatically entitle it to the earlier date. It must appear that such matter materially modifies the disclosure and that it was added in the interest of securing necessary protection not possible in the earlier application, and not for the purpose of delay."

On Petition.

Van Arsdale, *Assistant Commissioner:*

Applicant petitions that the Examiner be directed to hold that the present application is a continuation in part of an earlier application which was in issue at the time when the present one was filed.

The decision of the Commissioner in *In re Application filed July 10, 1940*, 526 O. G. 857, referred to by the petitioner, relates to a situation in which the second application, filed after the allowance of the first, contained the same disclosure as the first, and no more. The decision holds that, under such circumstances, the later application cannot be accorded the benefit of the earlier filing date. This ruling is based on the fact that section 4897 R. S., which provided for renewal applications, has been repealed and that the purpose of such repeal would be defeated if a duplicate of an application, filed after the allowance thereof, could be considered a continuing application.

The present application is not a duplicate of the earlier application, but contains additional matter.

Where the second application contains additional disclosure the Examiner should determine whether it represents an attempt at renewal or whether it is a bona fide continuation in part application. The mere fact that the second case contains some additional matter should not automatically entitle it to the earlier date. It must appear that such matter materially modifies the disclosure and that it was added in the interest of securing necessary protection not possible in the earlier application, and not for the purpose of delay.

The determination of these matters should be made by the Primary Examiner and the application is remanded to him for disposition in accordance with the views above expressed. In making this determination he should consider the showing made in support of the present petition.

The petition is granted to the extent indicated.

U. S. Court of Appeals for the District of Columbia

Chase et al. *v.* Coe, Commissioner of Patents

No. 7,685. Decided May 26, 1941

[—F.(2d) —]

1. Suit Under Section 4915 R. S.—Jurisdiction—Effect of Appeal Under Section 4911 R. S.

Where appellant C's application had been involved in an interference with an application of A, in which interference priority was awarded to C, in the Patent Office, and A appealed to the Court of Customs and Patent Appeals, and C did not avail himself of his right to have the appeal dismissed and to have further proceedings in equity as provided by R. S. 4911, and the Court of Customs and Patent Appeals held that C was estopped to contest the interference and awarded priority to A *Held* that upon the subsequent rejection of the interference counts in C's application, in conformity with the court's decision, C is not entitled to a further review of the question of estoppel in a proceeding under R. S. 4915.

2. Same—Same—Same.

"Both the history of the court review sections of the patent statute and the language of the several sections clearly indicate the purpose of Congress to require a defeated applicant to elect between an appeal to the Court of Customs and Patent Appeals and a suit under R. S. 4915, but in no case to have both. And in an interference case the limitation applies equally to his successful opponent. The latter's right to have the proceedings in equity is preserved by the provision in R. S. 4911 authorizing him to have the appeal dismissed and to require his adversary to resort to R. S. 4915."

3. Same—Same—Same.

In an interference "the right to appeal to the Court of Customs and Patent Appeals is an optional right, and election to proceed there must be mutual, and where this happens, it confines all further proceedings to that court."

4. Same—Same—Same.

The decision of the Court of Customs and Patent Appeals, after submission of a case to it without protest *Held* conclusive as to all the matters adjudicated by it.

Appeal from the District Court of the United States for the District of Columbia. Affirmed.

Mr. George F. Scull and *Mr. George M. Anderson* for Chase et al.

Mr. W. W. Cochran for the Commissioner of Patents.

Before Groner, Chief Justice, and Vinson and Edgerton, Associate Justices

Groner, *C. J.:*

This is an action brought under R. S. 4915.[1] Appellant George C. Chase was the applicant for a patent. Monroe Calculating Machine Company (the other appellant) is his assignee. The Chase application was involved in an interference with an application of Harold T. Avery. The Patent Office awarded priority to Chase and—as the result of a previous decision of the Court of Customs and Patent Appeals—held against Avery's contention that there was an estoppel against Chase as to the claims in issue. Avery then in turn appealed to the Court of Customs and Patent Appeals. Chase made no objection to the appeal proceedings being conducted in that court and took no action, as he might have

[1] 35 U. S. C. A. 63.

[2] . . . If any party to an interference is dissatisfied with the decision of the board of interference examiners, he may appeal to the United States Court of Customs and Patent Appeals, provided that such appeal shall be dismissed if any adverse party to such interference shall, within twenty days after the appellant shall have filed notice of appeal according to section 60 of this title, file notice with the Commissioner of Patents that he elects to have all further proceedings conducted as provided in section 63 [R. S. 4915] . . .

R. S. 4911, as amended by act of March 2, 1927, c. 273, § 8, 44 Stat. 1336; March 2, 1929, c. 488, § 2, 45 Stat. 1476; Aug. 5, 1939, c. 451, § 3, 53 Stat. 1212; 35 U. S. C. A. 59a.

done,[2] to have the appeal dismissed and the challenge of the Patent Office decision heard only in a suit in equity in the district court under 4915. He was content to have the appeal proceed in the patent appeals court, for on the former appeal, to which we have referred, taken by him to that court—and which arose out of a prior interference on the identical claims in issue here and which involved also the identical legal question in issue in the later appeal—the patent court had decided the question in his favor, as the result of which the Patent Office, which had formerly rejected his claims, had held he was entitled to them. On the appeal of Avery from the Patent Office decision, Chase doubtless anticipated that the court would adhere to its former view. But the majority of the court, after elaborate discussion of the point, held the former conclusion to be error, and decided the estoppel question on which it had first ruled in favor of Chase, this time against him. The Patent Office, under its duty to conform to the court's opinion, thereupon rejected his claims. And so it appears that Chase has twice chosen to have the Court of Customs and Patent Appeals determine his right to a patent on the claims in issue here, first by his direct ex parte appeal, and second, by his failure to exercise his privilege to have Avery's appeal proceed under R. S. 4915. All of which brings us to the question we have to decide, namely, whether in an interference proceeding between two applicants for a patent, the applicant (Chase) who was successful in the Patent Office but unsuccessful in the court of patent appeals, to which the other applicant (Avery) appealed without objection on the part of his opponent, may thereafter again have the entire question reviewed in a proceeding under R. S. 4915. The district court held against the right, and dismissed for lack of jurisdiction.

The question is not new, and we had assumed that what we had already said on the subject would be considered as settling the point. For instance, in *Jensen* v. *Lorenz*, 92 F.2d 992, 68 App. D. C. 39, 482 O. G. 453, certiorari denied 302 U. S. 751, we said of R. S. 4911 that,[3] when considered in connection with R. S. 4915,[4] it is evidence of the intention of Congress to require an election by the party as between the two remedies offered to him; the one, an appeal to the Court of Customs and Patent Appeals, the other, a suit in equity under R. S. 4915; and that when an election is made and there is no protest by the adverse party, it is to be final. We said as much in *United States* v. *Coe*, 95 F.2d 347, 68 App. D. C. 218, 489 O. G. 3, and in *Gams* v. *Coe*, 105 F.2d 46, 70 App. D. C. 167, 502 O. G. 875. The second circuit in *Bakelite Corporation* v. *National Aniline & Chem. Co.*, 83 F.2d 176, 467 O. G. 3, reached the same conclusion, and there is a further discussion by that court of the problem, though under different circumstances, in *Wettlaufer* v. *Robins*, 92 F.2d 573, 486 O. G. 461, and likewise a review of the legislative history of the several sections,—all of which, we think, confirms the view we have hitherto expressed.

But appellant says that the phrase "all further proceedings" in R. S. 4911 refers only to further proceedings in interference and not to subsequent ex parte prosecutions of the application of either party to the interference. From this stated premise, he deduces the conclusion that his failure at the time of the appeal by his adversary to elect to have "all further proceedings" conducted in accordance with R. S. 4915 does not, after the conclusion of the appeal proceedings, bar him from pursuing his equitable remedy under the latter section. He says also that the Court of Customs and Patent Appeals is merely a part of the administrative machinery of the Patent Office and that its decisions bind only the Office and may be reviewed in an equity court at the instance of the losing party in a proceeding subsequently begun under R. S. 4915. And, finally, he says that in any event his present action is not really an appeal from the decision of the patent court but a new and independent proceeding arising out of the refusal of the patent, which the statute provides may be submitted to a district court on a new record, and that a new and different finding in that court is not a reversal of the decision of the patent court.

[1][2][3] We have given careful consideration to these theories, and we are of the opinion they cannot be sustained. Both the history of the court review sections of the patent statute and the language of the several sections, clearly indicate the purpose of Congress to require a defeated applicant to elect between an appeal to the Court of Customs and Patent Appeals and a suit under R. S. 4915, but in no case to have both. And in an interference case the limitation applies equally to his successful opponent. The latter's right to have the proceedings in equity is preserved by the provision in R. S. 4911 authorizing him to have the appeal dismissed and to require his adversary to resort to R. S. 4915. Nothing could be fairer than this. In short, the right to appeal to the Court of Customs and Patent Appeals is an optional right, and election to proceed there must be mutual, and where this happens, it confines all further proceedings to that court. If it were otherwise, the obvious purpose of the amendment of 1927,[5] to reduce the number of appeals in patent application cases, would be nullified and litigation would be prolonged beyond reason. And, in addition to this, the jurisdiction of the Court of Customs and Patent Appeals, which includes the power to review decisions of the Patent Office and affirm, modify, or reverse the same (Sec. 194, Judicial Code; R. S. 4914), and to certify its decision to the Commissioner to the end that it shall "govern the further proceedings in the case," would become a shadow without substance or being. And this, we think, was not the purpose Congress had in view.

[4] The ingenious argument of counsel in this respect is well done, but we are unable to find any legal or logical basis on which to sustain it. We think, as we have said in our former opinions, that the decision of the Court of Customs and Patent Appeals, after submission of the case to it without protest, is conclusive as to all the matters adjudicated by it. The anomalous procedure of a new appeal through an equity proceeding never was intended and, as we have already suggested, would defeat the purpose of the 1927 amendments to R. S. 4915, which was to limit resort to that section to cases in which the option to go to the Court of Customs and Patent Appeals had not been availed of.

Affirmed.

[2] A party in an interference after an appeal by his adversary to the Court of Customs and Patent Appeals shall have the right to have the appeal dismissed and the proceedings conducted under R. S. 4915.

[3] When a patent is refused, the applicant, "unless appeal has been taken to the United States Court of Customs and Patent Appeals . . . in which case no action may be brought under this section. . ." (R. S. 4915, as amended).

[5] See footnote 2.

U. S. Court of Appeals for the District of Columbia

SLOANE *v.* COE, COMMISSIONER OF PATENTS

No. 7,712. Decided June 30, 1941

[— F.(2d) —]

1. PATENTABILITY—ANTICIPATION—QUESTION OF OPERATIVENESS IN A REFERENCE.
   In regard to tests from which expert witnesses for S concluded that as constituents of a lubricating oil for automobile engines diphenyl disulfide specified in the appealed claims of the S application was a highly satisfactory antioxidant, and that diphenol disulfide disclosed in the reference patent to P was unsatisfactory *Held* that it is doubtful at least that the tests proved beyond question such conclusions, where the tests were made in the laboratory, were not verified by actual use under road conditions, and the only evidence to show identity or approximation of the experimental conditions with those of actual use on the road consisted in the opinions of the witnesses, expressed generally without factual data to support them, and where the standard of measurement was not accurately verified.
2. SAME—INVENTION.
   "But if the tests be taken as demonstrating that diphenyl disulfide was satisfactory and diphenol disulfide unsatisfactory under the selected conditions, it does not follow that use of the former was inventive over use of the latter. To negative anticipation more must be done than merely to show improvement in a particular instance of application of a previously discovered general process, if the latter fairly may be said to indicate the former to persons skilled in the art."
3. APPEAL—WEIGHT ATTACHING TO FINDINGS BELOW.
   "Enough has not been shown to convince us that the trial court's findings and the decision of the Patent Office • • • were clearly erroneous. That burden was appellant's. Since it has not been discharged, we are not at liberty to interfere with the decree. *Abbott* v. *Coe*, 71 App. D. C. 195, 109 F.(2d) 449 (1939)."
4. PATENTABILITY—LUBRICATING OIL.
   Certain claims to a lubricating oil *Held* properly denied to appellant as anticipated by the prior art.

APPEAL from the District Court of the United States for the District of Columbia. Affirmed.

Mr. W. F. Weigester and *Mr. Joseph Cashman* for Sloane.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

Before GRONER, Chief Justice, and EDGERTON and RUTLEDGE, Associate Justices

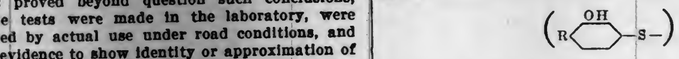
RUTLEDGE, *J.*:

The complaint, brought under section 4915 Rev. Stat., 35 U. S. C. § 63, sought to authorize issuance of a patent to appellant pursuant to his application No. 692,030 for an improved lubricating composition. Numerous claims originally presented were withdrawn at the trial, but the district court authorized issuance of a patent containing claims 36 and 37. It dismissed the complaint as to claims 44, 45 and 49. Appeal was duly taken from the judgment so far as it related to claims 44 and 45, but none was noted in time as to claim 49. The issues therefore concern the correctness of the action taken as to claims 44 and 45.

The claimed invention consists in the alleged discovery of an effective method to prevent the formation of acids through oxidation of lubricating oils. Acids so formed in the crank case of an automobile attack and corrode the bearings. This may be prevented by adding a suitable nonoxidant or acid-resisting agent to the lubricating oil.

Appellant's method, as disclosed by claims 44 and 45, consists in adding a proper amount of diphenyl disulfide to highly refined petroleum lubricating oil. The claims are as follows:

44. An improved lubricating oil composition comprising a highly refined petroleum lubricating oil containing, in an amount sufficient to reduce substantially the tendency of the oil to form acidic material through oxidation, an aromatic sulfur compound soluble in said oil to the extent of at least 0.05% and containing the group



in which R is a hydrocarbon radical.

45. Composition according to claim 44, in which the said aromatic sulfur compound is a disulfide.

The Patent Office and the district court rejected the claims as having been anticipated by a prior British patent, No. 317,406, issued to Penniman.[1] The court found that Penniman "discloses the use of diphenol disulfide as an antioxidant for lubricating oils," and concluded that this "is the substantial equivalent of the antioxidant of claims 44, 45 and 49."

[1] Appellant insists that there are substantial differences between the disclosure of the claims and that of Penniman in two respects: first, in the chemical composition of the antioxidant and, second, in the character of the lubricating oil to which it is added. The claims specify "highly refined petroleum lubricating oil," whereas Penniman specified mineral oil, not necessarily highly refined and containing some admixture of vegetable oils. The claims may be taken as specifying diphenyl

[1] Penniman also applied for and received an American patent, No. 1,967,255, on July 24, 1934, but in respects material here its disclosure was substantially identical with the prior British patent and both the Patent Office and the district court relied chiefly on the latter.

disulfide,[2] whereas Penniman discloses among other compounds, diphenol disulfide. The latter contains carbon, hydrogen, sulfur and oxygen, while the former contains only carbon, hydrogen and sulfur. But the allegedly more distinctive difference is in the fact that appellant's compound, diphenyl disulfide, contains the hydrocarbon radical R which is not present in diphenol disulfide. Appellant asserts that its invention over Penniman consisted in the combination of these features, namely, inclusion of the radical R in the antioxidizing agent and the use of that agent in highly refined mineral oil having no admixture of vegetable oils. Diphenol disulfide, it is claimed, is too insoluble in such a lubricating oil to have any appreciable effect in reducing acid formation, whereas diphenyl disulfide dissolves sufficiently to become a highly satisfactory acid resistant. Appellant attempts to support its position by the testimony of chemical experts, all employed by his employer, concerning the effectiveness of his method and the ineffectiveness of Penniman as determined by laboratory tests. We think the evidence, though presented thus favorably for appellant, is insufficient to show that the trial court erred in its findings and conclusions.

The experts' testimony related chiefly to the results obtained in the laboratory by application of the so-called Underwood test, in full or modified form. Under controlled conditions of time, temperature and other factors which the witnesses stated would approximate conditions of actual use in motor operation, it was found that diphenyl disulfide was a more efficient acid resistant than diphenol disulfide. Lynch testified that an oil that would tolerate as much as twenty-thousandths of a per cent of lead oxide is suitable for use in a regular automobile engine, but with less than that "it was apt to cause corrosion." According to his running of the test the reference oil would tolerate about five-thousandths of a per cent without corrosion, diphenyl disulfide tolerated twenty-five thousandths, and diphenol disulfide "would not tolerate as much as fifteen thousandths." His conclusion was that the latter was unsatisfactory, though it improved the oil "slightly."

Dr. Mikeska ran modified Underwood tests which led him to the same general conclusion. After eight hours his test with diphenol disulfide resulted in breakdown of the bearings; with diphenyl disulfide it showed no evidence of corrosion. He determined the solubility of diphenol disulfide under the conditions of his experiment as less than two thousandths of one per cent, that of diphenyl disulfide as one per cent. The evidence showed that under the selected experimental conditions diphenyl disulfide is clearly superior to diphenol disulfide as an acid-resisting agent and that use of the former is a substantial and successful improvement over use of the latter. The experts concluded from the tests that diphenol disulfide is unsatisfactory as an antioxidant. From this appellant concludes that use of his compound was inventive over use of Penniman's.

We think it is doubtful at least that the tests proved beyond question the conclusions drawn from them by the witnesses. The tests were made in the laboratory and were not verified by actual use under road conditions. The only evidence to show identity or approximation of the experimental conditions with those of actual use on the road consisted in the opinions of the experts, expressed generally without factual data to support them. This was true also concerning the standard which they selected for measurement of toleration of lead oxide under the Underwood tests. Why twenty thousandths of a per cent rather than some other figure was selected is not shown. Lynch testified that he reached this conclusion after a number of tests, but the nature of the tests and the methods used in making them were not disclosed. Furthermore, appellant's experts admitted that diphenol disulfide made some reduction in acidity, even under the carefully selected and confined conditions of the tests. Lynch admitted that it improved the oil "slightly," but he also said it "would not tolerate as much as fifteen thousandths of a per cent of lead oxide" without corrosion. The statement may be taken as conservative and, we think, as admitting in effect that there was substantial improvement, though in the opinion of the witness not enough to be satisfactory. Taken in connection with the failure to verify the standard of measurement more accurately, this falls short of demonstrating conclusively that diphenol disulfide was entirely unsatisfactory, even within the restricted conditions of experiment. Likewise, the record fails to show why Mikeska selected eight hours rather than some other period as the time for the running of his tests.

[2] But if the tests be taken as demonstrating that diphenyl disulfide was satisfactory and diphenol disulfide unsatisfactory under the selected conditions, it does not follow that use of the former was inventive over use of the latter. To negative anticipation more must be done than merely to show improvement in a particular instance of application of a previously discovered general process, if the latter fairly may be said to indicate the former to persons skilled in the art. We cannot say, upon the record which has been made, that the Patent Office and the trial court were clearly wrong in finding that use of diphenyl disulfide was anticipated by Penniman.

Penniman's disclosure made apparent the basic or generic conception, namely, the use of organic compounds, including sulfide groups and specifically diphenol disulfide, as antioxidants when added to lubricants for internal combustion engines.[3] Though it does not name each member of these groups, it does not exclude, but on the contrary is broad enough to include alkylated sulfides, specified in appellant's claims. It mentions specific compounds, including phenol disulfide, illustratively, but other substances are indicated by groups, such as phenols and amino and amide compounds. In this respect the disclosure is not substantially different from that of Sloane's application.[4] The latter also specifies by classes, most broadly "aromatic sulfur compounds," with illustrative subordinate groups. It is not limited to sulfurized hydrocarbons, which are "generally preferred," though "other elements may be present . . . without disadvantage, for example, oxygen." Presence of the hydroxy group

"is particularly desirable, but the other groups mentioned . . . do not destroy the effect of the mercaptan or disulfide groups."

Furthermore, Sloane's application contains no express mention of alkylated sulfides containing the hydroxy group, though he suggests alkylation of sulfides which contain no oxygen and use of sulfides which contain oxygen. Though his generic group, "aromatic sulfur compounds," is narrower than Penniman's specification taken broadly, in view of the qualifications mentioned we think it is fair to conclude, as appellee suggests, that Penniman contains

"substantially as definite a disclosure of what is recited in the appealed claims as does Sloane's application. In neither case is there an express disclosure. The disclosure must be inferred and the inference is as well founded in the one case as in the other."

The same conclusion applies, we think, to the specification of the oils with which the inhibiting agent is used. Penniman specified mineral oils suitable for lubrication, including specifically that of internal combustion engines. Because he was concerned, among other things, with the property of "oiliness," especially in ordinary petroleum, he suggested addition of saponifiable oil or its fatty acids to improve this quality, and in this connection the use of animal and vegetable oils "when high temperatures prevail." But he also suggested the use of the higher alcohols and ketones, organic sulfides and some of the organic metallic salts. Penniman was concerned with lubricating oils generally and their performance under various conditions of heat.[5] He did not exclude "highly refined petroleum lubricating oil," specified in the appealed claims, and from his emphasis both upon petroleum oils without limitation in this respect and upon the variable conditions of its use, we think the claims fairly readable upon his specification. Though he suggested the admixture of vegetable oils as stated above, the specification does not disclose that this was regarded as essential, or perhaps even beneficial, in all cases, and if it had done so, there is no evidence which demonstrates that omission of the admixture in such oil as appellant specifies required more than the knowledge of one skilled in the art to make. Nor is there evidence to show that admixture of vegetable oils in quantities specified by Penniman would cause appellant's composition as stated in the appealed claims to be ineffective or to work less satisfactorily. Appellant's contention, in effect, requires the exclusion from Penniman's disclosure of all oils which are substantially paraffinic in type, having a high rate of oxidation.

[3] Enough has been said, we think, to show that appellant's claimed invention consisted in specific applications fairly inferable from Penniman's disclosure in both of its material respects, namely, the specific antioxidant and the specific lubricating oil set forth in the claims. The latter are almost, if not quite, as readily readable upon Penniman's disclosure as upon appellant's application. In any event, enough has not been shown to convince us that the trial court's findings and the decision of the Patent Office to this effect were clearly erroneous. That burden was appellant's. Since it has not been discharged, we are not at liberty to interfere with the decree. *Abbott* v. *Coe*, 71 App. D. C. 195, 109 F.(2d) 449 (1939), 512 O. G. 3, 43 U. S. P. Q. 267.

It is not necessary for us to consider other contentions advanced by the Commissioner, relating particularly to questions of estoppel arising from appellant's reliance upon Penniman in an interference proceeding which was dissolved at appellant's instance or from his listing in his application as "particularly desirable" the very group of compounds to which diphenol disulfide belongs.

[4] The judgment is affirmed.

[2] Claim 44 specifies "an aromatic sulfur compound . . . containing" the radical R, a hydrocarbon radical, whereas claim 45 specifies that the aromatic sulfur compound shall be a disulfide. The difference is not material upon the question of invention, since the alleged invention by Sloane over Penniman consists in the inclusion of the radical R, whether in the form of a sulfide or that of a disulfide.

[3] His specification was as follows: "The anti-oxidant may be any substance that in a general sense reduces the effect of oxidation or air upon the lubricant. As such there may be mentioned: tetra ethyl lead, phenol disulphide, amino, and amide compounds, phenols such as pyrogallol, hydroquinone, and other substances such as elementary sulphur and the dyestuff malachite green or the salts thereof."

[4] The Sloane disclosure reads: "This new class of inhibitors comprises in its broadest sense aromatic sulfur compounds in which the sulfur atom is attached directly to a carbon atom . . . Aromatic disulfides and mercaptans may be used such as phenyl, cresyl or higher alkylated disulfides, mercaptans and the corresponding naphtyl or anthryl, phenanthryl derivatives or their alkylated products and the relative positions of the sulfur and alkyl groups in the rings are of only minor significance, all being of good inhibiting power. More than one sulfur atom may be attached to a single ring if desired, as in the di or tri thio-phenols, cresols and naphthols.

"All of the substances mentioned above consist only of the elements carbon, hydrogen and sulfur or, in other words, they are sulfurized hydrocarbons, and while these are generally preferred other elements may be present in the molecule without disadvantage, for example, oxygen or nitrogen and similar elements. As examples of such materials can be mentioned aromatic disulfides and mercaptans containing hydroxy, nitro, amino, azo and hydrazo groups. The presence of the hydroxy group is particularly desirable but the other groups mentioned, while not particularly desired, do not destroy the effect of the mercaptan or disulfide groups. In the same manner carboxyl, aldehyde and keto groups may be present. It will be understood that the compounds containing only carbon, hydrogen and sulfur are preferred, particularly disulfides and mercaptans."

[5] "The present invention is therefore broadly concerned with the use of lubricating oil stock whether derived from petroleum or the products of distillation of coal and shale, that has the lowest possible viscosity for the condition under which the machine operates; that is, the lowest viscosity that is obtainable with the requisite flash point to withstand the temperature prevalent during use, and this applies whether the lubricant stock is derived from a straight paraffin stock or from a so-called asphaltic or semi-asphaltic base oil."

U. S. Court of Customs and Patent Appeals

IN RE KRAFT-PHENIX CHEESE CORPORATION

No. 4,455. Decided June 9, 1941

[120 F.(2d) 391]

1. TRADE-MARKS—GEOGRAPHICAL.

Section 5 of the Trade-Mark Act of February 20, 1905, in prohibiting the registration of geographical terms *Held* to have made no exemption in favor of those which lacked importance or of those which were not well known by the people in this country.

2. SAME—SAME—"CHANTELLE."

The term "Chantelle" *Held* not registrable under the act of 1905 as a trade-mark, since that term now is merely geographical, though it may have had another significance a century and a half ago.

APPEAL from Patent Office. Affirmed.

Mr. Cyril A. Soans and *Mr. William E. Anderson* for Kraft-Phenix Cheese Corporation.

Mr. W. W. Cochran for the Commissioner of Patents.

BLAND, *J.*:

Appellant filed its application with the United States Patent Office to register the word "Chantelle" under the Trade-Mark Act of February 20, 1905, as a trade-mark for cheese. The Examiner refused such registration on the ground that the word "Chantelle" is merely a geographical name which under section 5 of said act is forbidden registration. The Examiner stated that the word "Chantelle" is found in Lippincott's Gazetteer where it is referred to as the name of a town in France with a population of 2000; that he was unable to find any other meaning for the word, and that he presumed that it was a generally accepted geographical word.

Upon appeal, the Commissioner of Patents in his decision, affirming that of the Examiner, had the following to say:

Applicant points to several recent Patent Office decisions to the effect that the statutory prohibition against registration of "merely a geographical name or term" is inapplicable unless such name or term has a generally accepted geographical significance, and argues that "Chantelle" should thus be held registrable because its meaning is perhaps not widely known. However, as was stated by the Court of Appeals of the District of Columbia in the case of *In re Crescent Typewriter Supply Co.*, 30 App. D. C. 324, the "provision of the statute is broad enough to prohibit the use of any word that has an exclusive geographical significance;" and in such cases there would seem to be no room for exception. If a word has no other meaning it is necessarily "merely" geographical, regardless of the extent to which it is known.

It is stated in applicant's brief that "we find 'Chantelle' to be a French word meaning a feudal collector of taxes who has the right to live and operate in a feudal manor." No publication is cited in support of this statement, however, and no such definition appears in modern French dictionaries.

Upon petition for rehearing the Commissioner made the following observation:

In a decision rendered January 24, 1940, I affirmed the Examiner's ruling, observing that "Chantelle" is the name of a town in France and appears to have no other meaning. In support of the petition for rehearing attention is directed to a French dictionary, published in 1771, wherein the word is defined as a term referring to customs, and in certain provinces is said to mean "a personal tax to the lord from his bond-servants because of their servitude to him, giving them the permission to live on his land and to possess certain inheritances."

As stated in my previous decision with respect to another asserted meaning of the word, "no such definition appears in modern French dictionaries;" and whatever significance it may have had a century and a half ago, "Chantelle" is now the name of a town in France, has no other meaning, and is "merely" geographical.

Appellant has appealed here, and in its original brief and its brief in reply to the Solicitor's brief argues at considerable length that "Chantelle," although the name of a town in France, is not merely geographical for reasons stated in its petition for rehearing before the Commissioner, and argues that:

There is no town or place named "Chantelle" in the United States or in any of its territorial possessions. So far as we know the small town in France to which the Examiner has referred is the only place in the world bearing the name "Chantelle."

The village of "Chantelle" is not shown in the well known World Atlas published by the Literary Digest in the year 1931. We have examined all of the school Atlases and geographies used in the Chicago schools, but have not found it mentioned in any of them.

The name "Chantelle" was not found in any modern English or French dictionary.

It further argues that the word "Chantelle" has no geographical significance to people of the United States and that the only purpose of the use of the term as a trade-mark is to designate the origin of the cheese produced by appellant in Illinois. A number of decisions are relied upon for support, none of which we think sustain appellant's contention.

The record discloses nothing, and we have found nothing elsewhere, which indicates that the term "Chantelle" means anything other than the name of a town in France. We have not examined the French authority published in 1771 which, according to appellant, defined the term as relating to some kind of tax. It was pointed out by the Commissioner in his decision on the petition for rehearing that no such definition appears in any modern French dictionary

"and whatever significance it may have had a century and a half ago, 'Chantelle' is now the name of a town in France, has no other meaning, and is 'merely' geographical."

[1] We are in full accord with the views expressed by the Commissioner and the fact that the town is little known in this country does not change the situation. The statute, in prohibiting the registration of geographical terms made no exemption in favor of those which lacked importance or of those which were not well known by the people in this country. The Patent Office and the courts are not privileged to read unwarranted exemptions into the act.

It would seem that the correct decision of the issue is so clear that no extended citation of authority is required. We think, however, that the following cases support our conclusion: *Elgin National Watch Company* v. *Illinois Watch Case Company et al.*, 179 U. S. 665, 94 O. G. 755; *Montevallo Mining Company* v. *Little Gem Coal Co. et al.*, 57 App. D. C. 100, 17 F.(2d) 688; *In re Crescent Typewriter Supply Co.*, 30 App. D. C. 324, 133 O. G. 231; *In re California Perfume Co., Inc.*, 19 C. C. P. A. (Patents) 1028, 56 F.(2d) 885, 420 O. G. 289; and *Columbia Mill Co.* v. *Alcorn*, 150 U. S. 460, 65 O. G. 1916, and cases therein cited.

[2] The decision of the Commissioner of Patents is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE JUNGHANS

No. 4,463. Decided June 9, 1941

[120 F.(2d) 638]

PATENTABILITY—METHOD OF CONTINUOUS CASTING.

Claims to a method for the continuous casting of hollow metal castings in a mold having a core therein, including the step of subjecting the core or the mold or both to vibrating movement *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Messrs. Emery, Varney, Whittemore & Dix (*Mr. Nichol M. Sandoe* of counsel) for Junghans.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

JACKSON, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office, affirming that of the Primary Examiner rejecting, in view of the prior art, all of the claims, 11 to 19 inclusive, of an application for a patent for new and useful improvements in casting of hollow cast metal shapes.

Claims 11 and 13 are illustrative and read as follows:

11. A method for the continuous casting of hollow metal castings in a mold having a core therein which comprises pouring molten metal continuously into one end of a mold, withdrawing solidified casting continuously from the other end, and subjecting one of the parts of said mold to vibrating movement transverse to the longitudinal axis of the mold during the casting operation.

13. A method for the continuous casting of hollow metal castings in a mold having a core therein which comprises pouring molten metal continuously into one end of a mold, withdrawing solidified casting continuously from the other end, and vibrating both said mold and said core during the casting operation.

The references relied on are: Armand et al., 550,089, November 19, 1895; Van Ranst, 1,385,595, July 26, 1921; Coats, 1,503,479, August 5, 1924.

The claimed invention relates to a method for the continuous casting of hollow metal castings such as long tubes. The method is practiced in an apparatus comprising an outer mold in the center of which there is a core. The molten metal is continuously poured into the space between the core and the outer mold, and as the metal hardens in its lower portion the casting is continuously withdrawn from the bottom opening of the mold. There is a tendency on the part of molten metal when it hardens to contract or shrink around a core, and the claimed invention here purports to eliminate this difficulty. This is done, according to the specification herein, by subjecting the core or the mold or both to to-and-fro oscillating movements or to vibrations, or to both. In this method, it is stated, "it becomes possible to produce smooth and even hollow castings by a continuous process and to attain always a good loosening of the freezing metal from the walls of the outer mold as well as from the core."

The claimed novelty resides in the oscillation and vibration as described.

The Armand et al. patent relates to a machine for casting ingots or tubes of greater length than the mold. For the production of tubing the machine is provided with a core and an outer mold, either or both of which are reciprocated in the operation of casting, or if desired the mold or the core may be rotated, or reciprocation and rotation may take place simultaneously. The purpose of the reciprocation and rotation is to keep the metal from "freezing" to the mold or the core.

The Van Ranst patent relates to a method and apparatus for the casting of bars and the like of metal, in which a solid mold of relatively short length may be used for the production of bars of any desired length. The mold in the machine is made to vibrate rapidly in a vertical direction, which prevents the metal from "freezing" to the mold as it is being hardened.

The Coats patent relates to the process and apparatus for the continuous casting of rods, tubes or bars of metal. When the apparatus is employed for the production of tubes or other hollow objects, a mandrel is provided so that an annular space is made between the outer mold and the mandrel. Into this space the molten metal is poured. The mandrel is preferably tapered so as to free the tube as it descends. It extends into the zone of unsolidified metal and adjacent the crucible and is provided with internal cooling means. Lubricant is supplied through a series of small apertures in the mold at or below the point where solidification of the metal begins. The internal surface of the casing or outer mold is preferably tapered outwardly toward the bottom, but the walls may be parallel for the casting of metal such as lead.

The Examiner rejected all of the claims as lacking invention over Armand et al.; and claims 13 and 14 were further rejected on the patent to Coats in view of the Van Ranst patent. He held that the Armand et al. patent, which discloses a method of continuously casting hollow metal castings in a mold having a core, and withdrawing the solidified casting continuously from the lower end, completely anticipated claims 11, 12, and 16 to 19 inclusive, for the reason that in his opinion the rotation disclosed in the patent is in a patent sense the same as the vibration called for by these claims. In this connection the Examiner stated as follows:

* * * The rotation of Armand et al. is a slow rotation (this is shown by the use of the core 2 and by the shape of the molten metal shown in Fig. 2). Consequently, no material amount of centrifugal force is involved, so that the only function of this rotation is to produce a movement in the nature of applicant's vibration. It follows, therefore, that this rotation is the equivalent of applicant's vibration transverse to the longitudinal axis of the mold, for it performs the same function in substantially the same manner. Applicant has not shown how his "vibrations" will produce any result not produced by the Armand et al. rotation. Incidentally any machine with as many moving parts as that of Armand et al. will vibrate considerably. * * *

As far as claims 13, 14, and 15 are concerned, the Examiner had, in part, the following to say:

* * * In the first place, as pointed out above, the Armand et al. rotation is the equivalent of applicant's vibration. In the second place, the reciprocation of the Armand et al. members 1 and 2 may be described as vibrating movement, since the terms, "oscillations" and "vibrations", are generally synonymous.

As to the further rejection of claims 13 and 14 as unpatentable over the Coats reference, it will be noted that the said reference discloses a process for casting hollow metal articles comprising pouring molten metal continuously into one end of a mold and withdrawing the solidified casting continuously from the other end.

The Board of Appeals pointed out that in the application drawing no kind of a vibrator is shown but that the specification discloses the vibrations may be imparted in any desired direction and by

the use of any well known means, as, for instance, a hammer. The Board stated in its decision:

> All of these vibrations are equivalent in the method, and the limitations with respect thereto in some of the claims are considered to be of no patentable significance.

Vibration is a process of agitating or shaking. It is also a kind of oscillation. The Armand et al. patent certainly discloses a constant shaking up and down of the mold or core or both in a vertical direction. The Van Ranst patent likewise suggests vibrating such a mold rapidly and in an up and down direction. The patent to Armand et al. also clearly discloses a slow rotation of the mold parts, and this, together with the constant shaking up and down of the mold or core or both in a vertical direction, embraces any movements that are defined in the claims. Certainly when the reciprocation and rotation in the Armand et al. patent are working simultaneously it seems to us that vibration longitudinally and horizontally must necessarily occur. In our opinion, therefore, the claims were properly rejected upon the cited references.

We are unable to perceive any error in the decision appealed from and accordingly the decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,607,368, M. Schuyler, Ironing machine, filed Aug. 19, 1941, D. C., E. D. N. Y., Doc. 2201, *M. Schuyler* v. *Brooklyn Edison Co., Inc.* Doc. 2203, *M. Schuyler* v. *Maytag Co.* Same, filed Aug. 22, 1941, D. C., E. D. N. Y., Doc. —, *M. Schuyler* v. *Maytag Atlantic Co., Inc.*

1,710,073, 1,714,191, S. Ruben, Electrical condenser, D. C., N. D. Ill., E. Div., Doc. 13635, *S. Ruben et al.* v. *Allied Radio Corp.* Consent decree holding claims 2, 5, 6, 7, and 8 of 1,710,073 and claims 4, 5, 6, and 7 of 1,714,191 valid and infringed June 27, 1941.

1,710,095, C. C. Lamb, Laundering machine and driving and stabilizing mechanism therefor, filed Aug. 18, 1941, D. C., W. D. Mich. (Grand Rapids), Doc. 190, *C. C. Lamb* v. *Nineteen Hundred Corp.*

1,714,191. (See 1,710,073.) 1,743,820. (See 1,802,115.)

1,760,898, C. Dollack, Scale; 1,953,664, 2,058,535, H. L. Walker, same; 1,789,484, same, Suspension device; 1,838,182, Jacobs & Jacobs, Scale; 1,915,222, I. Florman, Bathroom scales; 2,023,864, G. Walker, Scale; 2,061,278, P. J. Kircher, same; Des. 117,273, R. Heller, Scale casing, filed Aug. 18, 1941, D. C., E. D. N. Y., Doc. 2199, *The Jacobs Bros. Co., Inc.*, v. *National Surgical Stores, Inc.*

1,789,484. (See 1,760,898.)

1,802,115, Kelly & Ellsworth, Threader block for carbon; 1,743,820, 1,850,235, 1,850,236, C. L. Kelly, Carbon paper holder; T. M. 265,400, Continental Carbon Corp., Carbon paper; T. M. 267,086, same, Holder for carbon paper, D. C., N. D. Ill., E. Div., Doc. 2232, *P. C. Laning* v. *National Ribbon & Carbon Paper Mfg. Co.* Bill and counterclaim dismissed for want of equity July 25, 1941.

1,838,182. (See 1,760,898.) 1,850,235. (See 1,802,115.)

1,850,236. (See 1,802,115), 1,915,222. (See 1,760,898.)

1,924,963, C. O. Sherrill, Store, appeal filed Aug. 20, 1941, C. C. A., 1st Cir., Doc. 3702, *The Kroger Grocery & Baking Co.* v. *First National Stores, Inc., et al.*

1,928,264, E. R. Powell, Heat insulating product and method of forming same; 1,948,395, same, Apparatus for producing rock wool products; Re. 19,627, same, Process of making felted mineral fiber; 2,055,446, same, Treated fibrous material, D. C., N. D. Ill., E. Div., Doc. 16149, *Johns-Manville Corp.* v. *Ludowici-Celadon Co.* Decree of Feb. 5, 1940, reversed; bill dismissed for want of equity Feb. 20, 1941.

1,946,229. (See Re. 19,666.)

1,948,395. (See 1,928, 264.) 1,953,664. (See 1,760,898.)

1,956,306, A. L. Baussman, Apparatus for decorating confections, filed Aug. 22, 1941, D. C., E. D. N. Y., Doc. 2207, *National Equipment Co.* v. *Metro Chocolate Co., Inc.*

1,959,321, W. H. Wedger, Method and composition for use in securing together pieces of stock, C. C. A., 2d Cir., Doc. —, *B. B. Chemical Co.* v. *Cataract Chemical Co., Inc.* Decree reversed (notice Aug. 15, 1941).

1,983,983, Larson & Johnstone, Automobile body, D. C., S. D. N. Y., Doc. 3/432, *L. Larson et al.* v. *General Motors Corp.* Judgment (notice Aug. 12, 1941).

1,997,194, C. H. Leach, Heat exchange apparatus, filed Aug. 12, 1941, D. C., W. D. Ky., Doc. 330, *C. H. Leach* v. *Henry Vogt Machine Co.*

2,023,864. (See 1,760,898.) 2,055,446. (See 1,928,264.)

2,058,535. (See 1,760,898.) 2,061,278. (See 1,760,898.)

2,110,118, Robertson & Staples, Fabric and method of and apparatus for treating same, D. C., S. D. N. Y., Doc. E 86/399, *Mount Hope Finishing Co.* v. *Seneca Textile Corp.* Judgment (notice Aug. 18, 1941).

2,144,080. (See Re. 17,375.)

2,147,793. (See 2,166,926.)

2,151,187, D. E. Christopher, Electric photometer, filed Aug. 11, 1941, D. C., S. D. N. Y., Doc. 15/216, *Research Engineering Co.* v. *Haynes Products Co.*

2,154,556, M. Bechik, Handle for mattresses, D. C., N. D. Ill., E. Div., Doc. 2382, *M. Bechik* v. *Handy Button Machine Co.* Claim 2 held not infringed; bill dismissed for want of equity Aug. 8, 1941.

2,166,926, W. J. Kropp, Packing and insulating material; 2,147,793, same, Process of manufacturing packing and insulating material, D. C. Kans. (Wichita), Doc. 1970, *Insul-Wool Insulation Corp.* v. *J. W. Kimple.* Patent held valid (notice Aug. 21, 1941).

2,169,997, C. F. Fabian, Process of carroting fur and composition therefor, filed Aug. 22, 1941, D. C. Conn. (New Haven), Doc. 665, *The Non-Mercuric Carrot Co.* v. *American Hatters & Furriers Co., Inc.*

Re. 17,375, 2,144,080, S. J. Nordstrom, Valve, D. C., S. D. Calif., C. Div., Doc. 1356–BH, *Merco Nordstrom Valve Co.* v. *MacClatchie Mfg. Co.* Stipulation decree for plaintiff holding claim 6 of 2,144,080 and claims 5 and 7 of reissue valid and infringed Aug. 12, 1941.

Re. 18,287, W. Ernst, Control mechanism for hydraulic presses; Re. 19,694, same, Hydraulic motor control means, filed July 31, 1941, D. C., M. D. Pa., Doc. 721, *The Hydraulic Press Mfg. Co.* v. *A. & B. Farquhar Co., Ltd.*

Re. 19,627. (See 1,928,264.)

Re. 19,666 (of 1,946,229), W. G. McMurray, Method of and apparatus for the separation of oil, gas and water, filed Aug. 18, 1941, D. C., N. D. Tex. (Wichita Falls), Doc. 117, *M. & V. Tank Co.* v. *National Tank Co.*

Re. 19,694. (See Re. 18,287.)

Des. 89,619, W. D. Teague, Thermometer; Des. 93,969, H. B. Brown, same; Des. 100,362, same, Instrument case; T. M. 174,180, Taylor Instrument Companies, Barometers; T. M. 252,957, same, Thermometer; T. M. 280,982, same, Apparatus for determining the relative humidity of the air; T. M. 308,426, same, Hygrometer, D. C., N. D. Ill., E. Div., Doc. 1213, *Taylor Instrument Companies* v. *Fee & Stemwedel, Inc.* Des. 89,619, Des. 93,969 held invalid, and if held valid, not infringed; that Des. 100,362 is not infringed, and if construed broadly, is invalid; defendant does not violate any trade-mark right of plaintiff; bill dismissed May 28, 1941.

Des. 93,969. (See Des. 89,619.)

Des. 100,362. (See Des. 89,619.)

Des. 103,303, C. H. Brandt, Extension table, filed July 17, 1941, D. C., N. D. Ill., E. Div., Doc. 3222, *The Brandt Cabinet Works, Inc.*, v. *The Wilson-Jump Co.*

Des. 106,132, C. Doppelt, Bag for toilet articles, (suit for declaratory judgment), D. C., N. D. Ill., E. Div., Doc. 583, *S. Dresner & Son, Inc.*, v. *Leather Specialties Corp.* Patent held invalid Oct. 31, 1941. Decree affirmed June 21, 1941.

Des. 109,464, G. W. Aldeen, Drawer pull, D. C., S. D. Calif., C. Div., Doc. 1188–Y, *American Cabinet Hardware Corp.* v. *Pacific Plastic & Mfg. Co., Inc., et al.* Patent held valid and infringed Aug. 4, 1941.

Des. 117,273. (See 1,760,898.)

Des. 117,489, J. Trojan, Merchandise display case, filed July 22, 1941, D. C., N. D. Ill., E. Div., Doc. 3242, *Crystal Mfg. Co.* v. *Advertising Metal Display Co. et al.*

Des. 117,879, P. Reiman, Towel, D. C. N. J., Doc. 1080, *Herrmann & Jacobs, Inc.*, v. *Brookman & Schloss et al.* Dismissed July 28, 1941.

Des. 118,201, H. Bonn, Reversible embroidered collar, D. C. N. J., Doc. 1191, *H. B. Novelty Co., Inc.*, v. *Dalesta Mfg. Co., Inc.* Discontinued Apr. 28, 1941.

Des. 120,190, F. Tausend, Table cloth, D. C., S. D. N. Y., Doc. 12/54, *Felix Tausend & Sons* v. *Dabah, Perez & Co.* Order (notice Aug. 18, 1941).

Des. 124,802, W. A. Landry, Textile fabric, D. C., S. D. N. Y., Doc. 13/333, *M. W. Haft & Bros., Inc.*, v. *Lou Schenider, Inc.* Consent order of discontinuance (notice Aug. 13, 1941). Doc. 13/334, *M. W. Haft & Bros., Inc.*, v. *Associated Lerner Shops of America, Inc., et al.* Decree as above (notice Aug. 14, 1941). Doc. 13/335, *M. W. Haft & Bros., Inc.*, v. *L. C. Chase Co.* Decree as above (notice Aug. 5, 1941).

Des. 124,925, S. Reich, Dress, D. C., S. D. N. Y., Doc. 12/446, *Franklin Dress Co., Inc.*, v. *Phil Zahn & Co.* Consent judgment (notice July 31, 1941).

Des. 125,001, O. W. Klingsick, Flourescent lighting fixture, filed July 30, 1941, D. C. N. J., Doc. 1693, *Day-Brite Lighting, Inc.*, v. *Work-O-Lite Co.*

Des. 126,003, J. Elkins, Dress, D. C., S. D. N. Y., Doc. 13/336, *Sam Steinberg & Co., Inc.*, v. *Dartford Debs, Inc.* Order (notice Aug. 18, 1941).

Des. 126,821, I. Szerlip, Dress, filed Aug. 11, 1941, D. C., S. D. N. Y., Doc. 15/218, *Patio Dress Co., Inc.*, v. *Darling Formals, Inc.*

Des. 127,763, A. Henry, Dress, filed Aug. 14, 1941, D. C., S. D. N. Y., Doc. 15/234, *Topper Formals, Inc.*, v. *Penelope Frocks, Inc.*

T. M. 162,587, T. M. 382,443, The Rytex Co., Boxed stationery, D. C., N. D. Ill., E. Div., Doc. 2453, *The Rytex Co.* v. *The Ryan Art Co.* Dismissed for want of equity June 26, 1941.

T. M. 174,180. (See Des. 89,619.)

T. M. 252,957. (See Des. 89,619.)

T. M. 265,400. (See 1,802,115.)

T. M. 267,086. (See 1,802,115.)

T. M. 280,982. (See Des. 89,619.)

T. M. 299,548, Hat Corp. of America, Hats and caps for men, women and children, leather goods; T. M. 376,748, H. N. Fried, Women's and misses' dresses, D. C., N. D. Ill., E. Div., Doc. 2351, *Hat Corp. of America* v. *H. N. Fried & Co.* Consent decree holding trade-mark 299,548 valid and infringed July 1, 1941.

T. M. 308,426. (See Des. 89,619.)

T. M. 362,095, Modern Necessities, Adhesive gauze, D. C., N. D. Ill., E. Div., Doc. 2474, *Modern Necessities Co. v. National Bandages.* Decree restraining defendants Mar. 31, 1941.

T. M. 376,748. (See T. M. 299,548.)

T. M. 382,443. (See T. M. 162,587.)

Disclaimers

1,959,321.—*Walter H. Wedger*, Belmont, Mass. METHOD AND COMPOSITION FOR USE IN SECURING TOGETHER PIECES OF STOCK. Patent dated May 15, 1934. Disclaimer filed September 15, 1941, by the assignee, *B. B. Chemical Co.*

Hereby enters this disclaimer to claims 1, 2, 3, 4, 7, 8, 16, 17, 18, 19, 20, and 21 of said Letters Patent.

2,114,625.—*Robert Morris Bergstein*, Cincinnati, Ohio. METHOD OF FORMING CONTAINERS. Patent dated April 19, 1938. Disclaimer filed September 16, 1941, by the inventor; the trustees, *Robert Morris Bergstein* and *Frank David Bergstein*, assenting.

Hereby enters this disclaimer to claim 19 of said Letters Patent.

Changes in Classification

Order Number 3,566, September 20, 1941, directs:

In *class 2, Apparel* (Division 24), abolish the following subclass with its definition:

General structure and methods

277 Buttonholes.

The patents formerly contained in this subclass have been placed in class 24, Buckles, Buttons, Clasps, Etc., subclass 202.

In *class 2, Apparel* (Division 24), establish, immediately preceding subclass 243, the following subclasses and definitions:

Garment supporters and retainers

300 Combined with other than garment supporter structure,
301 Convertible or reversible,
302 Rigid vertical type
303 Hose supporting,
304 With connected substantially spaced holders for plural garments
305 Combined with shoulder straps,
306 Supporting two hose only,
307 Plural waistline garment only,
308 Plural encircling type,
309 Partially encircling limb or torso type,
310 Shoulder suspension and torso encircling,
311 Torso or limb encircling
312 With additional holding devices or features
313 Pendant limb encircling means,
314 With pendant holding means
315 With plural holding means,
316 Wrap around and end attached holder,
317 With member between ends of encircling strip,
318 On member between ends of encircling strip,
319 Detachable from or slidable on belt,
320 With non-fastening holding means,
321 With fastenable device to form loop
322 Overlapping end and buckle type,
323 Strip connected spaced holders
324 With springs,
325 With step adjustment,
326 Plural, crossed or diverging suspension strips or strands
327 Crossed or closed loop shoulder type
328 With crossed suspension strap features,
329 Garment supporting running strip or strand,
330 With running strip or strand
331 Plural loop type,
332 Connection at bottom of strip or strand V,
333 With detachable or movable feature between strips
334 With pivot member normal to strip,
335 Hose supporting,
336 Elements
337 Friction devices and/or twisters,
338 Belt, strap or strip constructions
339 With springs or connected sections
340 Suspender ends,
341 Saddle type cord retainers
342 Openable or movable.

Garment supporters and retainers. Devices under the class definition for supporting or retaining in position garments on the human body.

(1) Note.—Such devices where claimed in combination with a garment are classified in the appropriate subclass above under the type of garment disclosed or claimed. Also classified above are elemental parts of garments incapable of use apart therefrom. The line between garment supporters and subclasses 44 and 45 of this class is:

(a) Subclasses 44 and 45 take body braces including body bracing features such as pads or wide fabrics with or without garment supporters;

(b) The subclasses indented hereunder take other garment supports which may incidentally brace the body but having no special body bracing features such as pads or wide fabrics.

(2) Note.—The line with class 24, BUCKLES, BUTTONS, CLASPS, ETC., is:

(a) Class 24 takes single or combined fastening or retaining devices used to support or retain garments or to hold parts of a garment supporter together where no significant structure or features of the garments or parts held are claimed. These include (1) two fastening devices even though connected by a single strip or strand; (2) devices to hold the ends of a belt, strip or strand together to form a loop even though claimed in combination with such belt, strip or strand, or (3) single or combined fastening means even though supporting or fastening together two or more garments or parts of a garment supporter.

(b) The subclasses indented hereunder take all other garment supporters or parts thereof not elsewhere provided for.

(3) Note.—Garment supporters with a rigid vertical connection between holders so as to hold garments or parts of a garment supporter vertically spaced are in subclasses 302 and 303 since such are regarded as having special connecting features.

(4) Note.—Saddle type strand retainers classified in subclasses 341 and 342 are also in this class rather than class 24, BUCKLES, BUTTONS, CLASPS, ETC., since they are regarded as specialized to use in garment supporters.

300. Garment supporters having combined therewith additional devices or features which are for other than garment supporting or adjusting purposes. Included among other things are garment supporters having decorative features claimed as such (such as sashes, bows or beads), guards, putting-on aids, pockets, article holders, indicators, etc.

(1) Note.—**Search this class,** subclasses 44 and 45, for suspenders combined with added features such as pads to brace the body.

(2) Note.—Combinations of belts and suspenders are in this class, subclass 310.

(3) Note.—**Search this class,** subclass 338 and indented subclasses, for belt, strap or strip constructions which may be ornamental but have no added ornamental features.

(4) **Search Class—**
224—PACKAGE AND ARTICLE CARRIERS, subclass 5 and indented subclasses, particularly subclasses 5 and 26, for devices peculiarly designed for transportation of packages and articles and wherein a garment supporting feature may be incidental.

301. Garment supporters which are wholly or partly (1) convertible from one type of supporter to another, (2) convertible to other uses, or (3) structurally designed for reversal, i. e., changed from right to left or turned over.

(1) Note.—**Search this class,** subclass 300, for supporters combined with other structure.

(2) Note.—See this class, subclass 310, for belts and suspenders combined. This subclass (301) includes suspenders convertible to belt and vice versa.

(3) Note.—Compare with this class, subclasses 313 and 316. Most of the devices in subclass 313 can be used with the loop uppermost and in subclass 316 many can be used either as a loop or a single line garter.

302. Garment supporters in which garments or garment holding means or parts thereof are vertically spaced from each other by a member, usually rigid, extending from lower supporting or holding means to an upper supporting or holding means.

(1) Note.—Two or more torso encircling members may be held in spaced relation. Compare with this class, subclasses 43–45 and 308.

(2) Note.—**Search this class,** subclass 218, for placket closures including rigid elements, and subclass 255 and indented subclasses, for stiffening and staying in general.

(3) Note.—For pendant supporters of non-rigid type, see this class, subclasses 313 and 314 and indented subclasses.

303. Devices under subclass 302 in which the vertical member is disclosed for supporting hose.

304. Garment supporters in which two or more garments are supported by separate holders which are connected together but substantially spaced from each other as by strips or strands.

(1) Note.—This subclass does not include single unitary devices such as a belt which may hold together or support two or more garments by means of holding devices directly attached to the belt, for instance, to retain a shirt down and support trousers. For such belts see this class, subclass 312 and indented subclasses. For combined fasteners, see class 24, BUCKLES, BUTTONS, CLASPS, ETC., particularly subclass 73 and indented subclasses.

(2) Note.—Garment supporters combined with sanitary pad holders are here or in subclass 305 of this class.

305. Devices under subclass 304 having means passing over the shoulder or to the shoulder from which the entire supporter is pendant.

(1) Note.—Suspenders combined with "shirt holddowns" are here.

(2) Note.—See this class, subclass 307, for devices usually attached to a shoulder suspender which support two or more garments.

306. Devices under subclass 304 which support only the hose on both legs.

(1) Note.—See this class, subclasses 25, 33 and 43, for garment supports for two hose where some compressing or corset feature is claimed. Plural hose supporters combined with means for attachment to a corset or other garment or with a mere torso encircling belt are here.

(2) Note.—See this class, subclass 305, for hose supports suspended from shoulder straps.

307. Devices under subclass 304 for supporting two or more waistline garments. These usually comprise diverging straps at the end of suspender straps for connection to trousers plus additional straps to hold undergarments.

Note.—For such devices in combination with shoulder straps, see this class, subclass 305.

308. Garment supporters not provided for above including (1) more than one limb or torso encircling closed loop, (2) a single strip or strand encircling the limb or torso more than once, (3) a limb or torso encircling strip or strand plus another strip or strand at least partially encircling the limb or torso, or (4) any combination of the above.

Note.—See this class, subclass 302, for belts held vertically spaced apart, and subclass 320, for belts having chordal elements.

309. Garment supporters not provided for above which only partially encircle a limb or torso to retain or support a garment. So-called "half-belts" are here.

(1) Note.—Devices which include partially encircling members plus other means acting to support a garment holder, such as shoulder straps and horizontal straps, are excluded. These devices are provided for in other subclasses above or below.

(2) Note.—For such devices incorporated with garment waistbands, see this class, particularly subclasses 220, 221, 236 and 237.

(3) Note.—For belts having chordal elements, see this class, subclass 320.

(4) Note.—For friction devices or twisters, see this class, subclass 337.

310. Garment supporters in which means passing over the shoulder and means encircling the torso are combined to support a single garment or a single garment holder.

(1) Note.—**Complete the search in this class,** subclass 305, for similar organizations for supporting a plurality of garments.

(2) Note.—See this class, subclass 327 and indented subclasses, for shoulder type garment supporting organizations not including means completely encircling the torso.

(3) Note.—Compare with this class, subclasses 44 and 45.

311. Garment supporters which include means encircling the limb or torso formed wholly or partly by a strip or strand which conforms to the limb or torso.

(1) Note.—See this class, subclass 309, for garment supporters of the partial encircling type, subclass 308, for supporters which encircle the limb or torso more than once, and subclass 310, for supporters having both shoulder suspension and torso encircling features.

(2) Note.—**Search this class,** subclass 338 and indented subclasses, for belt, strap or strip constructions per se even though broadly claimed as a garter, belt or closed loop.

(3) Note.—See this class, subclass 300, which includes among other things combined belts and sashes.

(4) Note.—**Search this class,** subclass 301, for garment supporters which are convertible or reversible, such as suspenders convertible to belt or reversible belts.

312. Devices under subclass 311 including means or features in addition to the limb or torso encircling strip or strand and their fastenings to hold or retain a garment, such as clasps, pins or pads.

(1) Note.—**Search this class,** subclass 302, for belts with rigid spacing devices.

(2) Note.—See this class, subclass 304 and indented subclasses, for supporters having holders for a plurality of garments.

313. Devices under subclass 312 in which a limb encircling means is pendant from supporting means.

(1) Note.—**Search this class,** subclasses 305, 308 and 310, for other garment supporters including pendant encircling means.

(2) Note.—Most of these supporters are capable of use with the loop uppermost. Compare with this class, subclass 301.

314. Devices under subclass 312 which include a garment holding element which is spaced from and connected to the limb or torso encircling means so that in use the element is pendant therefrom.

(1) Note.—See this class, subclass 304 and indented subclasses, for supporters having spaced holders for a plurality of garments.

(2) Note.—**Search this class,** subclasses 302 and 303, for devices having rigid vertically spaced holders.

(3) Note.—See this class, subclass 315, for devices wherein the encircling means is pendant.

315. Devices under subclass 314 having, (1) at least one pendant garment holding element attached to the encircling means plus other means for holding or retaining the garment or the encircling means, or (2) two or more pendant garment holding means.

Note.—For garment supporters having spaced holders for supporting a plurality of garments, see this class, subclass 304 and indented subclasses.

316. Devices under subclass 314 in which the encircling means is passed around a limb and then across itself or one end of the encircling means is attached behind the other end, thus leaving a free end to which a holding means is attached.

(1) Note.—Many of these devices may be used as single line supporters.

(2) Note.—**Complete the search in this class,** subclass 315, which includes similar devices having two or more garment holders, for instance, one at each end.

(3) Note.—See this class, subclass 308, for wrap around garment supporters wherein the limb or torso is encircled more than once.

317. Devices under subclass 314 in which the strip or strand which conforms to the limb or torso has means at each end, including a loop, for detachable or loose engagement with at least one intermediate element such as a loop or ring which connects the ends of the strip or strand. Usually the pendant element is connected to the intermediate element.

(1) Note.—This subclass does not include devices wherein the intermediate element is fixedly attached to the strip as by stitches at either or both ends of the strip.

(2) Note.—See this class, subclass 318, for similar constructions lacking the pendant feature.

318. Devices under subclass 312 in which in addition to the strip or strand which conforms to the limb or torso there is a member to which holding means are attached, which member is inserted or insertible between sections or ends of the strip or strap.

Note.—**Complete the search in this class,** subclass 317.

319. Devices under subclass 312 in which the garment holding means or a part thereof is slidable onto the torso or limb encircling strip or strand or adapted to be readily attached thereto or detached therefrom.

(1) Note.—See this class, subclasses 314 and indented subclasses, and 318, for other combinations wherein holders are attached slidably or detachably to strips or strands.

(2) Note.—For devices which connect the garment to a belt or belt buckle, see class 24, BUCKLES, BUTTONS, CLASPS, ETC., particularly subclass 73 and indented subclasses.

320. Devices under subclass 312 in which the means for holding or retaining a garment include no movable fastener parts. These include (1) a member or members attached to the belt which act to increase friction, such as pads or buttons, which press on the garment to be held, (2) elements on the inside of the belt which are chordal, i. e., would intersect the arc of the belt when it is curved, or (3) belts having impaling members but no other structure to hold the impaling means.

(1) Note.—See this class, subclass 337, for twisters or friction devices per se, and subclass 309, for chordal devices per se.

(2) Note.—**Search this class,** subclass 338 and indented subclasses, for belt, strip or strap constructions which have facings adapted to increase friction, such as ribbed or roughened fabrics.

321. Devices under subclass 311 with significant fastening devices, such as a buckle, for connecting the ends to form a closed loop. The device must be capable of connection with the opposed strip or strand end itself, as in a tongue and hole buckle, or must engage another fastener part on the opposed end.

(1) Note.—See this class, subclass 311, for belts, the ends of which are tied or connected by loops.

(2) Note.—See this class, subclass 338 and indented subclasses, for belt constructions with no significantly claimed fastener.

(3) Note.—**Search this class,** subclass 301, for reversible belts including reversible buckles.

(4) Note.—**Search this class,** subclass 312 and indented subclasses, particularly subclasses 314, 317 and 318, for similar garment supporters having in addition other garment holding means.

(5) **Search Class—**
24—BUCKLES, BUTTONS, CLASPS, ETC., subclasses 74, 75, 77, 78 and 163 and indented subclasses, for belt buckles where no significant belt structure is claimed.

322. Devices under subclass 321 in which an end of the torso or limb encircling strand or strip overlaps the other portions of the belt and is retained by a fastening device, i. e., a buckle, through which a free end of the belt, strip or strand passes.

323. Garment supporters not provided for above which include means attachable to a garment to hold or retain it and a strip or strand connected to or cooperating with said means, which strip or strand extends to other holding means or to a place from which it is supported.

(1) Note.—See this class, subclass 304 and indented subclasses, for similar devices or organizations having means for supporting or holding a plurality of garments.

(2) Note.—**Search this class,** subclass 301, for garment supporters which are convertible or reversible, such as suspenders convertible to belt.

(3) Note.—Compare this class, subclass 302.

(4) Note.—See class 24, BUCKLES, BUTTONS, CLASPS, ETC., subclass 73 and indented subclasses, and see note (2) to the definition of Garment supporters and retainers, of this class.

324. Devices under subclass 323 which include spring devices or in which the connecting strips or strands are springs. Mere elastic strands or fabrics made thereof are not considered to be springs for purposes of this classification.

Note.—For belt, strap or strip constructions per se having springs incorporated therein, see this class, subclass 339.

325. Devices under subclass 323 in which means are provided for adjustment in definite intervals.

Note.—See class 24, BUCKLES, BUTTONS, CLASPS, ETC., subclasses 70 and 206.

326. Devices under subclass 323 in which there are (1) plural suspension strips connected together, (2) suspension strips which cross each other, (3) strips which diverge from one point or place, or (4) any combination of the above.

(1) Note.—**Search this class,** subclass 304 and indented subclasses, particularly 305 and 307, and subclasses 308 and 310, for similar supporters having spaced holders for supporting a plurality of garments.

(2) Note.—**Complete the search in this class,** subclasses 44 and 45, for garment supporters combined with features acting to brace the body or parts thereof.

327. Devices under subclass 326 in which, (1) shoulder strips or strands cross each other, or (2) form a closed loop in themselves or in conjunction with other elements including the strips or strands which are attached to the garment.

(1) Note.—See this class, subclass 305, for similar supporters having means to support a plurality of garments.

(2) Note.—**Search this class,** subclass 310, for similar supporters which in addition include a member completely encircling the torso.

328. Devices under subclass 327 where the suspension strips or strands, usually those which pass over the shoulders, cross each other and some special construction or feature is provided at the place of crossing, such as a clip, slits or divided straps.

Note.—See class 24, BUCKLES, BUTTONS, CLASPS, ETC., particularly subclasses 74, 75 and 163 and indented subclasses.

329. Devices under subclass 327 having garment holders comprising a strip or strand which runs, i. e., slides, through cord retainer means. The running strip or strand may be used with the closed loop type of suspender or itself form a part of the closed loop.

(1) Note.—See this class, subclass 330 and indented subclasses, for running strip or strand devices on garment supporters not of the closed loop or crossed strip type.
(2) Note.—For suspender ends and saddle-type cord retainer elements, see this class, subclasses 340, 341 and 342.

330. Devices under subclass 326 including means retaining a strip in such a manner that the strip or strand can move in the retaining means.
(1) Note.—The strip or strand may move freely when the device is in use or the retaining means is such that the strip or strand can be manually moved to adjusted position.
(2) Note.—**Complete the search in this class,** subclass 329.
(3) Note.—For suspender ends and saddle-type cord retainer elements, see this class, subclasses 340, 341 and 342.

331. Devices under subclass 330 in which the running strip or strand forms more than one loop, i. e., zig-zags or doubles back upon itself.
Note.—This subclass does not include devices wherein the strip or strand is doubled through a holding device, i. e., buckle, more than once.

332. Devices under subclass 330 in which at least one of the running strips or strands extends downwardly and then upwardly to form a V or U and a strip or strand retaining means is at the bottom of the V or U.

333. Devices under subclass 326 not provided for above and having significant detachable or movable connecting means between two or more strips or strands.
(1) Note.—**Complete the search in this class,** subclass 301, which includes suspender constructions with pivotal connections to form a belt, subclass 324, which includes constructions having springs between the strips or strands, and subclass 325, which includes suspender constructions having step adjustments.
(2) Note.—See this class, subclasses 327–332, inclusive, for other supporters having detachable or movable connections.

334. Devices under subclass 333 in which the connecting means includes a pivot member normal to the strip.

335. Devices under subclass 323 in which the article supported is a hose.
Note.—Compare with this class, subclasses 303, 306, 314 and indented subclasses, 325 and 326 and indented subclasses, wherein are found hose supporters of the type falling within said subclasses.

336. Devices which are elements used with or as garment supporters and not provided for elsewhere.
Note.—See class 24, BUCKLES, BUTTONS, CLASPS, ETC., appropriate subclasses, for fastening structures in general. For the line between classes 2 and 24, see note (2) under the definition of Garment supporters and retainers, of this class.

337. Elemental devices under subclass 336 which are (1) pads to increase friction, or (2) devices to twist a part of the garment such as the top of a hose.
(1) Note.—**Complete the search in this class,** subclass 320 and see subclass 338 and indented subclasses, for strap or strip constructions having roughened facings.
(2) Note.—**Complete the search in this class,** subclasses 220, 221 and 237, for similar devices combined with a garment.

338. Elements under subclass 336 wherein the claims are directed to the constructions of the elongated elements, usually flexible, used in garment supports. Included are elements connecting parts of garment supporters and the construction of the body encircling part of body belts.
(1) Note.—See this class, subclass 308, for belts made of plural spaced limb or torso encircling strips.
(2) Note.—Compare with this class, subclasses 320 and 337.
(3) Note.—For stock material made by textile operations, see classes 28, TEXTILES; 57, TEXTILES, SPINNING, TWISTING AND TWINING; 66, TEXTILES, KNITTING; 96, TEXTILES, BRAIDING, NETTING OR LACE MAKING; and 139, TEXTILES, WEAVING, appropriate subclasses.
(4) Note.—For laminated fabrics, see class 154, LAMINATED FABRIC AND ANALOGOUS MANUFACTURES, appropriate subclasses.

339. Devices under subclass 338 in which the members are (1) composed of two or more longitudinal sections connected together, or (2) include, or are composed of, spring elements acting longitudinally.
(1) Note.—**Complete the search in this class,** subclasses 317, 318, 324, 325 and 333.
(2) Note.—Belt, strip or strap constructions involving merely elastic strands or fabrics composed thereof are not here included but are classified in subclass 338 of this class.

340. Devices under subclass 338 forming that part of a suspender which is attachable to the supported garment.
Search Class—
24—BUCKLES, BUTTONS, CLASPS, ETC., subclasses 202 and 202.1, for suspender ends wherein no more than a buttonhole, button loop and/or protector is claimed.

341. Devices under subclass 336 comprising structure forming a saddle-like passage through which a cord or similar strand-like element is passed to retain the cord.
(1) Note.—**Search this class,** subclasses 329 and 330 and indented subclasses for such devices combined with suspender structure.
(2) **Search Class—**
24—BUCKLES, BUTTONS, CLASPS, ETC., subclass 115 and indented subclasses, for cord and rope holders in general, and subclass 265, for strap-end attaching devices.

342. Devices under subclass 341 in which the saddle is provided with an openable or movable part so that the cord or other strand-like element may be inserted into the passage from the side or the saddle can be removed from the strip which supports it. These devices are often called "cast-offs."
Note.—For saddles which are movably connected to a strip for step adjustment, see this class, subclass 325.

The patents contained in these subclasses have been taken for the most part from class 241, Garment Supporters, abolished in this order.

In *class 15, Brushing, Scrubbing and General Cleaning* (Division 27), change the title of subclass 223 to read:

Implements
Fabric
Wipers, daubers and polishers
223 **Work face with exposed laminae,**

cancel the existing definition and note and substitute:

223. Implements adapted to act as wipers, daubers or polishers made up of layers of fabric, the laminae being exposed at the work face.
Note.—For laminated fabrics having the outermost layer as the work face, see this class, other appropriate subclasses, particularly subclass 209, for those in which the outermost layer may be removed to expose a new work face.

In *class 24, Buckles, Buttons, Clasps, Etc.* (Division 5), change the title of subclass 202 to read:

Separable fasteners
202 Button loops, buttonholes and protectors,

cancel the existing definition and note and substitute:

202. Devices under subclass 201 including (*a*) structure forming a loop to fasten over a button, (*b*) structure forming a buttonhole, and (*c*) devices to protect or to prevent tearing out of either the buttonhole or the end in which the hole is located.
(1) Note.—**Search this class,** subclasses 141 and 142, for lacing eyelets, and subclass 265, for strap end attachments.
(2) Note.—See also class 16, MISCELLANEOUS HARDWARE, subclasses 2 and 3.
(3) **Search Classes—**
2—APPAREL, subclass 340, for suspender ends there provided for, and subclass 266, for buttonhole strips.
112—SEWING MACHINES, subclass 264, for processes of making buttonholes.

In *class 24, Buckles, Buttons, Clasps, Etc.* (Division 5), establish the following subclass and definition:

Separable fasteners
Button loops, buttonholes and protectors
202.1 Looped cord or strap.

202.1 Devices under subclass 202 in which an opening for a button is formed by a strip or strand turned back upon itself to form a loop.

The patents contained in this subclass have been taken for the most part from class 241, Garment Supporters, subclasses 15, 18 and 27, abolished in this order.

In Division 24 abolish class 241, Garment Supporters, the patents formerly contained in this class having been placed for the most part in class 2, Apparel, subclasses 300–342, established in this order, and in various subclasses in class 24, Buckles, Buttons, Clasps, Etc.

In *class 2, Apparel* (Division 24), main class definition, second sentence cancel "and 241, Garment Supporters";

in subclass 25 add the following note:
Note.—See this class, subclass 304 and indented subclasses, for supporters for plural garments where no compressing feature other than a mere torso encircling member and other connecting strips or strands are claimed:

in subclass 33 add the following note:
Note.—See this class, subclass 304 and indented subclasses, for supporters for plural garments where no compressing feature other than a mere torso encircling member and other connecting strips or strands are claimed;

in subclass 43 number the existing note (2) and add:
(1) Note.—For garment supporting belts having no compressing features, see this class, subclasses 304 and indented subclasses, 308, 310 and 311 and indented subclasses;

in subclass 44 number the existing note (*1*) and add:
(2) Note.—For garment supporters which may incidentally brace the body but which have no special body bracing features, such as pads or wide fabrics, see this class, subclasses 300–342, inclusive;

in subclass 45 number the existing note (*1*) and add:
(2) Note.—For garment supporters which may incidentally brace the body but which have no special body bracing features, such as pads or wide fabrics, see this class, subclasses 300–342, inclusive;

in subclass 107 number the existing note (*1*) and add:
(2) Note.—For garment supporters per se, see this class, subclasses 300–342, inclusive;

in subclass 112 add the following note:
Note.—For garment supporters per se, see this class, subclasses 300–342, inclusive;

in subclass 117 add the following note:
Note.—For garment supporters per se, see this class, subclasses 300–342, inclusive;

in subclass 120 add the following note:
Note.—For garment supporters per se, see this class, subclasses 300–342, inclusive;

in subclass 217 add the following notes:
(1) Note.—**Search this class,** subclasses indented under Garment supporters and retainers, particularly subclasses 315 and 330 and indented subclasses, for dress lifters per se.
(2) Note.—For garment supporters per se, see this class, subclasses 300–342, inclusive;

in subclass 218 number the existing note (*1*) and add:
(2) Note.—Compare with this class, subclass 302.
(3) Note.—See also class 24, BUCKLES, BUTTONS, CLASPS, ETC., subclass 267;

in subclass 223 number the existing note (*1*) and add:
(2) Note.—For garment supporters per se, see this class, subclasses 300–342, inclusive;

in subclass 229 add the following notes:
(1) Note.—For garment supporters per se, see this class, subclasses 300–342, inclusive.
(2) Note.—For buttonhole strips, see this class, subclass 266;

in subclass 230 number the existing note (*1*) and add:
(2) Note.—For garment supporters per se, see this class, subclasses 300–342, inclusive;

in subclass 231 number the existing note (*1*) and add:
(2) Note.—For garment supporters per se, see this class, subclasses 300–342, inclusive;

in subclass 240 cancel the note and substitute:
Note.—For hose supporters per se, see this class, subclasses 300–342, inclusive, particularly subclasses 303, 306, 311 and indented subclasses, and 335;

in subclass 266 cancel note (1) and substitute:
(1) Note.—**Search this class,** subclass 229 for waistbands having button strips;

and in note (2) add:
24—BUCKLES, BUTTONS, CLASPS, ETC., subclasses 202 and 202.1, for buttonholes and button loops per se;

and in subclass 278 in the note after "See" add *this class, subclass 338 and.*

In *class 24, Buckles, Buttons, Clasps, Etc.* (Division 5), in the main class definition cancel the last two paragraphs and substitute therefor the following:

The line with class 2, APPAREL, with respect to garment supporters is as follows:
Class 24 takes single or combined fastening or retaining devices used to support or retain garments or to hold parts of a garment supporter together where no significant structure or features of the garments or the parts held are claimed. These include, (1) two fastening devices even though connected by a single strip or strand; (2) devices to hold the ends of a belt, strip or strand together to form a loop even though claimed in combination with such belt, strip or strand, or (3) single or combined fastening means even though supporting or fastening together two or more garments or parts of a garment supporter.
Class 2 takes all other garment supporters or parts thereof not provided for elsewhere;

in subclass 17, note (3), cancel the reference to class 241, Garment Supporters, and substitute:
2—APPAREL, subclass 311 and indented subclasses, particularly subclasses 321 and 322;

in subclass 163, note (2), cancel the reference to class 241, Garment Supporters, and substitute:
2—APPAREL, subclass 321, 322 and 333, for buckle type fastening devices in combination with a garment supporter;

in subclass 206, note (2), cancel the reference to class 241, Garment Supporters, and substitute:
2—APPAREL, subclass 325;

and in subclass 265 add the following notes:
(1) Note.—See this class, subclass 143, for strip or strand tips, and subclass 202.1, for buttonhole loops formed by a doubled strip or strand.
(2) Note.—Compare with class 16, MISCELLANEOUS HARDWARE, subclasses 108 and 109.

In *class 63, Jewelry* (Division 57), subclasses 4 and 5, cancel in each the reference to class 241, Garment Supporters, and substitute:
2—APPAREL, subclass 311 and indented subclasses, particularly subclasses 321 and 322, and subclasses 338 and 339.

In *class 119, Animal Husbandry* (Division 2), subclass 106, note (2), cancel "241, Garment Supporters, subclasses 5, 6 and 8", and substitute:
2—APPAREL, subclass 311 and appropriate indented subclasses.

In *class 123, Internal Combustion Engines* (Division 28), subclass 133, in the note change "class 260" to *class 261.*

In *class 128, Surgery* (Division 55), subclass 291, cancel the note and substitute:
Note.—See class 2, APPAREL, subclasses 300–342, inclusive, for garment supporters and retainers in general.

In *class 169, Fire Extinguishers* (Division 46), subclass 27, add the following note:
Note.—**Search this class,** subclass 32;
and in subclass 32 add the following note:
Note.—**Search this class,** subclass 27.

In *class 183, Gas Separation* (Division 32), main class definition, in the reference to class 261, Gas and Liquid Contact Apparatus, cancel "2.6"; and in subclass 114 in the note insert after "class" *subclass 2.5 for processes and apparatus for deaerating liquids and.*

In *class 197, Typewriting Machines* (Division 41), subclass 193, add the following note:
Note.—For register locking mechanism, see class 235, REGISTERS, subclasses 27 and 130.

In *class 210, Liquid Separation or Purification* (Division 49), subclass 51.5, add the following note:
Note.—See class 65, KITCHEN AND TABLE ARTICLES, subclass 28.

In *class 227, Fire Escapes* (Division 4), subclass 49, note (2) in the reference to class 2, Apparel, add *and 300–342,* and cancel the reference to class 241, Garment Supporters.

In *class 235, Registers* (Divisions 23 and 41), subclass 27, add the following notes:
(1) Note.—For register locking means in general, see this class, subclass 130.
(2) Note.—For typewriter key locks, see class 197, TYPEWRITING MACHINES, subclass 107;

and in subclass 130 add the following note:
Note.—See class 197, TYPEWRITING MACHINES, subclass 107, for typewriter key locks, and subclass 193, for machine locks.

In *class 267, Spring Devices* (Division 10), subclass 69, add the following note:
(3) Note.—For garment supporters including spring devices, see class 2, APPAREL, subclasses 324 and 339.

Notice—Continued

authorized by (a) or (b) under (2) above shall file promptly with the appropriate Federal Reserve Bank reports setting forth the details of such transactions.

(4) With respect to each payment authorized by (c) under (2) above, reports on Form TFR–132 shall be executed and filed in the manner and form and under the conditions described in General License No. 32, as amended, except that item No. 6 of such form shall be left blank and the originating bank shall indicate on the reverse side of such form:

(a) The specific purpose for which such payment is made;

(b) Whether or not an application for a patent has been filed in, or a patent has been issued by, the United States Patent Office, covering the invention or design involved; and

(c) If such application has been filed in, or such patent issued by, the United States Patent Office, the number thereof.

(5) This general license does not authorize any assignment, grant, encumbrance, creation of a license, or execution of any agreement or arrangement of, under, or with respect to any patent, application therefor, license thereunder, or interest therein, in which any blocked country or national thereof has, on or since the effective date of the Order, had any interest, or any other transaction not specifically authorized by this general license.

E. H. FOLEY, JR.
Acting Secretary of the Treasury.

(Fed. Reg. Sept. 5, 1941, p. 4586.)

TREASURY DEPARTMENT.
OFFICE OF THE SECRETARY.
September 3, 1941.

PUBLIC CIRCULAR NO. 5, UNDER EXECUTIVE ORDER NO. 8389, APRIL 10, 1940, AS AMENDED, AND REGULATIONS ISSUED PURSUANT THERETO, RELATING TO TRANSACTIONS IN FOREIGN EXCHANGE, ETC.

(1) Reference is made to General License No. 72. Attention is directed to the fact that this general license does not authorize any person who is a national of any blocked country to file or prosecute applications for Letters Patent in any foreign country, to receive Letters Patent granted pursuant to such applications, or to pay any fees to any foreign country in connection therewith. This general license does not authorize the payment of fees to attorneys or representatives in the United States or in foreign countries for services rendered in connection with any transaction authorized by such general license and does not authorize the effecting or recording of any assignment, grant, encumbrance, creation of a license, or execution of any agreement or arrangement of, under or with respect to any patent, application therefor, license thereunder or interest therein, in which any blocked country or any national thereof, has on or since the effective date of Executive Order No. 8389, as amended, had any interest.

(2) Applications for specific licenses relating to patents and interests therein may be made to the appropriate Federal Reserve Bank on Form TFE–1. Such applications should contain in addition to other information required the following:

(a) Whether an application for Letters Patent has been filed in, or Letters Patent issued by, the United States Patent Office if such application or Letters Patent are involved in, or in any manner affected by, the transaction in question;

(b) If any such application is on file in the United States Patent Office, a true copy thereof should be attached to and made a part of the application for a Treasury license. If Letters Patent have been issued by the United States Patent Office, a copy thereof should be attached to the application for a Treasury license; and

(c) A brief nontechnical description of the nature of the invention or design covered by such application or Letters Patent, indicating the use to which such invention may be put.

(3) Attention is also directed to the fact that the Regulations require that reports on Form TFR–300 shall be filed with respect to any patents, applications therefor, assignments thereof, or licenses relating thereto, or any present, future, or contingent interests therein, agreements pertaining thereto, and any other contracts affecting or involving the foregoing, such as the right to receive royalties, licensing arrangements and contracts by which any information in the nature of technical data or otherwise is transmitted or exchanged, in which on either or both June 1, 1940, and June 14, 1941, any foreign country or national thereof had any interest of any nature whatsoever, direct or indirect. In the case of China, Japan, or nationals thereof, a report of the aforementioned interests is required as of July 26, 1941. Attorneys who have in their possession any property in which any of the interests referred to above exists, are required to file a report thereof on Form TFR–300.

E. H. FOLEY, JR.
Acting Secretary of the Treasury.

(Fed. Reg. Sept. 5, 1941, p. 4587.)

Additionally, General License No. 5, as amended, issued by the Treasury Department, reads as follows:

General License No. 5 as Amended

(1) A general license is hereby granted authorizing the payment from any blocked account to the United States or any agency or instrumentality thereof or to any state, territory, district, county, municipality or political subdivision in the United States, of customs duties, taxes, fees, and other obligations, owed thereto by the owner of such blocked account.

(2) Banking institutions within the United States making any such payments shall file promptly with the appropriate Federal Reserve Bank monthly reports setting forth the details of such transactions during such period.

(Fed. Reg. July 2, 1941, p. 3214.)

The Patent Office will administer these regulations as follows:

1. The responsibility for the timely filing of the notice and report required by subparagraphs (a) and (b), respectively, section 1, of General License No. 72, shall devolve upon the persons primarily concerned without any special notification by this Office except such as is contained in the formal notice of allowance. Notices filed in pursuance of subparagraph (a) of said section 1 shall be retained by the Patent Office and entered on the Examiners' registers and in the appropriate application files;

2. Ordinarily, General License No. 5, as amended, will be considered as authorizing the payment of any and all fees, costs, and charges which may become due and payable to the Patent Office;

3. Upon appropriate notice in advance by the Treasury Department, any application for patent or for a design may be withdrawn from the provisions of General Licenses Nos. 5 and 72. In such instances, a specific Treasury license will be necessary. Such notices and licenses shall also be entered in the Examiners' registers and in the appropriate application files; and

4. An appropriate license issued by the Treasury Department must be exhibited before the Patent Office will record any transfers of property interests in patents and designs, or applications for patents and designs, by any person if it appears that (a) such transfers are by, or on behalf of, or pursuant to the direction of any foreign country designated in the President's Order No. 8389, as amended, or any national thereof, or (b) involve property in which any foreign country designated in said Order, or any national thereof, has at any time on or since the effective date of said Order had any interest of any nature whatsoever, direct or indirect. Such licenses will be noted on the assignment records and returned to the persons submitting the same.

A license must be obtained from the Commissioner of Patents under the provisions of Public 700—76th Congress—as amended by Public 239—77th Congress—to file, amend, or prosecute, an application for patent, or the like, in any foreign country.

CONWAY P. COE.
Commissioner.

Dated: September 15, 1941.

U. S. GOVERNMENT PRINTING OFFICE: 1941

TRADE-MARKS

OFFICIAL GAZETTE, OCTOBER 7, 1941

[VOL. 531. NO. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 443,854. THE OHIO LEATHER COMPANY, Girard, Ohio. Filed May 23, 1941.

MAYAN

FOR CALFSKIN SHOE UPPER LEATHER.
Claims use since Sept. 1, 1940.

Ser. No. 444,139. ELLISON INSULATIONS LIMITED, Perry Barr, Birmingham, England. Filed June 3, 1941.

CARP

FOR MATERIALS MADE WHOLLY OR IN PART FROM SYNTHETIC RESINOIDS AND SOLD IN THE FORM OF SHEETS, BLOCKS, TUBES, RODS, AND SHAPED PIECES.
Claims use since Jan. 8, 1936.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 446,289. DOG-MASTER PRODUCTS COMPANY, INC., New York, N. Y. Filed Aug. 16, 1941.

DOG-MASTER

No claim is made for the word "Dog" apart from the mark.
FOR DOG LEASHES.
Claims use since Nov. 1, 1940.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 442,177. NATIONAL OIL PRODUCTS COMPANY, Harrison, N. J. Filed Apr. 1, 1941.

PLASTOL NO.1

FOR DETERGENT FOR THE REMOVAL OF SOIL FROM SHIRTS, APRONS, UNDERWEAR, OVERALLS, JUMPERS, AND OTHER WEARING APPAREL, TOWELS, SHEETS, BEDCLOTHING, AND OTHER HOUSEHOLD LINEN.
Claims use since Feb. 13, 1939.

Ser. No. 443,341. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa. Filed May 7, 1941.

PENNSALT

FOR CLEANERS FOR GENERAL USE.
Claims use since June 2, 1937.

Ser. No. 443,547. THE WARNER CHEMICAL COMPANY, New York, N. Y. Filed May 13, 1941.

TROMEX

FOR DEGREASING SOLVENTS, MORE PARTICULARLY, CHLORINATED HYDROCARBON SOLVENTS.
Claims use since Apr. 26, 1941.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 427,070. THE DIVERSEY CORPORATION, Chicago, Ill. Filed Jan. 2, 1940.



Applicant disclaims the words "Uniform Strength Neutralizer" and the outline of the label except as shown.
FOR SODIUM SESQUICARBONATE IN POWDERED FORM FOR NEUTRALIZING CREAM FOR USE IN MAKING BUTTER.
Claims use since Jan. 27, 1931.

Ser. No. 438,740. PAQUIN, LTD., London, England. Filed Dec. 11, 1940.

EVER AFTER

FOR FACE POWDERS, FACE CREAMS, FACE LOTIONS, SKIN AND TOILET CREAMS, HAND CREAMS AND LOTIONS, PERFUMES, BRILLIANTINES AND HAIR LOTIONS, NAIL POLISH, NAIL POLISH REMOVER, CUTICLE CREAM, LIPSTICKS, ROUGE, EYELASH COSMETIQUES, EYEBROW PENCILS, AND DENTIFRICES.
Claims use since August, 1939.

Ser. No. 439,621. CECILE S. LE DUC, Rochester, N. Y. Filed Jan. 13, 1941.

Aero Club

FOR PERFUMES AND COSMETICS—NAMELY FACE AND HAND CREAMS, TALCUM POWDER, FACE POWDER, HAIR AND BODY PREPARATIONS, AND NAIL POLISH.
Claims use since Oct. 1, 1940.

Ser. No. 439,622. CECILE S. LE DUC, Rochester, N. Y. Filed Jan. 13, 1941.

Cecile D'Avril

FOR PERFUMES AND COSMETICS—NAMELY, FACE AND HAND CREAMS, TALCUM POWDER, FACE POWDER, HAIR AND BODY PREPARATIONS, AND NAIL POLISH.
Claims use since Sept. 15, 1940.

Ser. No. 439,623. CECILE S. LE DUC, Rochester, N. Y. Filed Jan. 13, 1941.

Xardia

FOR PERFUMES AND COSMETICS—NAMELY, FACE AND HAND CREAMS, TALCUM POWDER, FACE POWDER, HAIR AND BODY PREPARATIONS, AND NAIL POLISH.
Claims use since Oct. 1, 1940.

Ser. No. 442,351. DR. W. B. CALDWELL, INC., Monticello, Ill. Filed Apr. 7, 1941.

SANTÉ

FOR PREPARATION FOR THE TREATMENT OF NUTRITIONAL ANEMIA, NERVOUSNESS, LACK OF APPETITE, DUE TO DIETARY DEFICIENCY OF VITAMIN B_1 AND IRON.
Claims use since Feb. 25, 1941.

Ser. No. 442,732. JOHN A. SEITZ, New York, N. Y. Filed Apr. 18, 1941.

IODOTINE

FOR ALTERATIVE MEDICINE IN LIQUID FORM FOR INTERNAL USE.
Claims use since June 25, 1939.

Ser. No. 443,751. DESTRUXOL CORPORATION, LTD., Pasadena, Calif. Filed May 21, 1941.

Destruxol

FOR CHEMICAL COMPOSITIONS AND EMULSIONS FOR SPRAY PURPOSES FOR INSECTS SUCH AS GREEN, BLACK, AND WOOLLY APHIS, GOLDEN AND CITROPHILUS MEALY BUGS, HOPPERS, WHITE FLY, THRIPS ON ROSES, ONIONS; ALSO PEAR AND CHERRY SLUGS.
Claims use since Apr. 8, 1921.

Ser. No. 445,285. POLLY COLBERT, doing business as The Laxi Company, New York, N. Y. Filed July 12, 1941.

LAXI-GUM

The word "Gum" is disclaimed apart from the mark.
FOR CHEWING GUM HAVING LAXATIVE PROPERTIES.
Claims use since Aug. 13, 1940.

Ser. No. 445,433. JOHN HUDSON MOORE, INC., New York, N. Y. Filed July 17, 1941.

SPORTSMAN

FOR MEN'S TOILETRIES, INCLUDING AFTER SHAVING LOTION, HAIR LOTION AND TALCUM POWDER.
Claims use since July 7, 1941.

Ser. No. 445,710. THE AMERICAN OIL COMPANY, Baltimore, Md. Filed July 29, 1941.

AMOCO

PERMAKOOL

FOR COMPOUNDS FOR THE CLEANING AND TREATMENT OF AUTOMOBILE RADIATORS.
Claims use since Oct. 18, 1940.

Ser. No. 445,778. NORTHAM WARREN CORPORATION, Stamford, Conn. Filed July 30, 1941.

SUGAR PLUM

FOR NAIL POLISH.
Claims use since July 25, 1941.

Ser. No. 445,818. THE WM. S. MERRELLL COMPANY, Cincinnati, Ohio. Filed July 31, 1941.

BENTYL

FOR SCABICIDE CREAM.
Claims use since June 30, 1941.

Ser. No. 445,820. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio. Filed July 31, 1941.

NETHACETIN

FOR SYMPATHOMIMETIC ANODYNE.
Claims use since June 30, 1941.

Ser. No. 445,856. PREMO PHARMACEUTICAL LABORATORIES, INC., New York, N. Y. Filed Aug. 1, 1941.

ALUMOCOL

FOR ANTACID PREPARATION CONTAINING COLLOIDAL ALUMINUM HYDROXIDE IN TABLET OR LIQUID FORM.
Claims use since July, 1939.

Ser. No. 445,944. ELEANOR M. JACKSON, doing business as R. & J. Chemical Co., Wilmette, Ill. Filed Aug. 4, 1941.

PHENEX

FOR ANTISEPTIC GERMICIDE.
Claims use since Mar. 1, 1940.

Ser. No. 445,961. ERNEST J. SCHABELITZ, doing business as Schabelitz Research Laboratories, San Diego, Calif. Filed Aug. 4, 1941.

PRO PACK

No claim is made for the term "Pack" apart from the mark.
FOR PROPHYLACTIC.
Claims use since June 25, 1941.

Ser. No. 446,248. SOUTHERN CARBON COMPANY, Monroe, La. Filed Aug. 14, 1941.

MOLACCO

FOR PARTICULATE CARBON HAVING A GENERAL USE IN THE INDUSTRIAL ARTS.
Claims use since July 31, 1941.

Ser. No. 446,258. THE ANACIN COMPANY, Jersey City, N. J. Filed Aug. 15, 1941.

BENEFAX

FOR MEDICINAL PREPARATION FOR USE AS A SUPPLEMENT TO THE DIET TO PROVIDE ADDITIONAL SUPPLIES OF VITAMINS.
Claims use since July 30, 1941.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 439,013. COMPOSITE MATERIALS CORPORATION, Detroit, Mich. Filed Dec. 19, 1940.

MUTE

FOR SOUND DEADENING PLASTIC COMPOSITION FOR AUTOMOBILE BODIES AND OTHER METALLIC STRUCTURES.
Claims use since Oct. 11, 1940.

Ser. No. 445,016. NATIONAL STORE FIXTURE COMPANY, INC., Baltimore, Md. Filed July 2, 1941.

NATIONAL Econolite

FOR OPAQUE PRESSED SHEETS OF LAMINATED

ABSORBENT PAPER TREATED WITH SYNTHETIC RESINS AND PHENOLIC RESINS, FOR TABLE, BOOTH, AND COUNTER TOPS, INSULATING PANELS, INDOOR AND OUTDOOR DECORATIVE WALL MATERIAL.
Claims use since Sept. 15, 1938.

Ser. No. 445,213. REYNOLDS METALS COMPANY, Richmond, Va. Filed July 9, 1941.

REYN-O-Cell

The word "Cell" is disclaimed apart from the mark.
FOR CELLULAR FIBRE INSULATION.
Claims use since Apr. 3, 1941.

Ser. No. 445,667. PACIFIC SILICATE COMPANY LTD., Berkeley, Calif. Filed July 26, 1941.

Radix

FOR CEMENT FOR UNITING IRON AND CERAMIC CONSTRUCTION MATERIALS AS A JOINTING COMPOUND FOR USE IN JOINTING BELL AND SPIGOT TYPE PIPE OF CAST IRON AND CERAMIC CONSTRUCTION, FOR THE REPAIRING OF CRACKED WALLS AND SETTING BOLTS IN CONCRETE.
Claims use since Oct. 25, 1939.

Ser. No. 445,676. VIMCAR STEEL SASH COMPANY, Los Angeles, Calif. Filed July 26, 1941.

VIMCAR

FOR STEEL SASH WINDOWS AND STEEL SASH DOORS.
Claims use since Aug. 31, 1938.

Ser. No. 446,425. THE GEORGIA MARBLE COMPANY, Tate, Ga. Filed Aug. 21, 1941.

CHEROKEE

FOR FINISHED MARBLE AND CUT STONE.
Claims use since 1885.

Ser. No. 446,426. THE GEORGIA MARBLE COMPANY, Tate, Ga. Filed Aug. 21, 1941. Under 10-year proviso.

KENNESAW

FOR FINISHED MARBLE AND CUT STONE.
Claims use since 1885.

CLASS 13

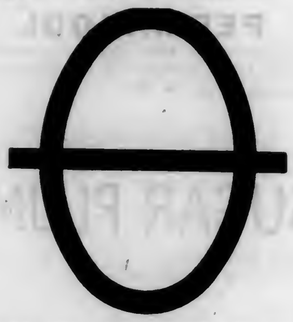
HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 435,149. SPEED PRODUCTS COMPANY, Long Island City, N. Y. Filed Aug. 19, 1940.

S. F.

FOR MACHINE STAPLES.
Claims use since Dec. 2, 1936.

Ser. No. 438,989. OLIVER IRON AND STEEL CORPORATION, Pittsburgh, Pa. Filed Dec. 18, 1940.



FOR THREADED AND UNTHREADED BOLTS AND NUTS, RIVETS, STUDS, METAL WASHERS, LOOP RODS, TIE RODS, PINS, CLEVISES, SPIKES, HOOKS, GUY ANCHORS, METAL LINKS, METAL BRACES, METAL BRACKETS, ROPE CLIPS, CLAMPS AND THIMBLES, GUY CLAMPS, GUY GUARDS, STRAIN, WEAR AND REINFORCING PLATES, ANCHOR RODS, LAG SCREWS, POLE STEPS, POLE BANDS, STRAIN YOKES, SHACKLES, METAL STRAPS, AND METAL ANGLES.
Claims use since Dec. 1, 1939.

Ser. No. 443,792. CLIX SLIDE FASTENER CO., INC., New York, N. Y. Filed May 21, 1941.

CLIX

FOR SLIDE FASTENERS AND PARTS THEREOF.
Claims use since Nov. 1, 1939.

CLASS 15

OILS AND GREASES

Ser. No. 433,233. HENRY L. SPRINKLE, Greensboro, N. C. Filed June 20, 1940.

SPRINKLE

FOR GASOLINE AND MOTOR FUEL OIL.
Claims use since 1925.

Ser. No. 445,034. BAKER-FLEMING FARM GAS COMPANY, Lockney, Tex. Filed July 3, 1941.

FLASH-O-GAS

No claim is made to the word "Gas" apart from the mark.
FOR HYDROCARBON LIQUEFIED GAS FOR USE IN DOMESTIC AND COMMERCIAL GAS GENERATING AND DISPENSING SYSTEMS.
Claims use since July 12, 1939.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 444,063. AULT & WIBORG CORPORATION, New York, N. Y. Filed May 31, 1941.

POLYTHERM

FOR PAINTS, VARNISHES, AND ENAMELS IN READY MIXED FORM.
Claims use since Aug. 29, 1940.

Ser. No. 444,245. GEORGE HAROLD WATERS, doing business as Argo Paint Co., Detroit, Mich. Filed June 5, 1941.

Grain-X

FOR GROUND COLOR PRODUCT, AND A GRAINING COLOR PRODUCT, SAID PRODUCTS BEING PIGMENTED COLORS GROUND INTO LIQUID, ALSO FOR A GLOSS PRODUCT BEING A PHENOLIC, PLASTIC LIQUID, AND ALL SAID PRODUCTS BEING IN THE NATURE OF A PAINT.
Claims use since May 15, 1940.

Ser. No. 444,910. C. A. NASH & SON, INC., Norfolk, Va. Filed June 27, 1941.

SEA-COAST LINER-COTE

No claim is made to the hyphenated word "Liner-Cote" apart from the mark.
FOR PAINTS AND PAINT ENAMELS SOLD IN PASTE AND READY MIXED FORM.
Claims use since 1937.

Ser. No. 445,380. COLPROVIA ROADS, INC., Rochester, N. Y. Filed July 16, 1941.

COLPROVIA

FOR PAINT IN PASTE OR READY-MIXED FORM.
Claims use since Apr. 17, 1941.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 441,867. HANSEN MANUFACTURING COMPANY, INC., Princeton, Ind. Filed Mar. 24, 1941.

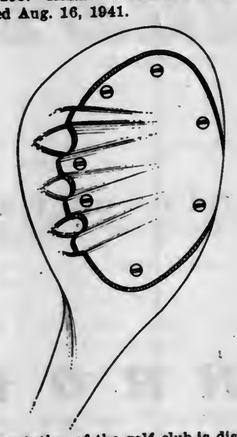


The words "Tiny Timer" are disclaimed except in connection with the mark.
FOR ELECTRIC MOTORS.
Claims use since Mar. 12, 1941.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 446,295. HARRY C. LEE & CO. INC., New York, N. Y. Filed Aug. 16, 1941.



The representation of the golf club is disclaimed per se. The trade-mark consists in a narrow red stripe extend-

ing continuously around the lower portion of the golf club head and substantially at the junction of the bottom of the head and the top of the sole plate.
FOR GOLF CLUBS.
Claims use since July 15, 1941.

Ser. No. 446,586. PARKER BROTHERS, INC., Portland, Maine, and Salem, Mass. Filed Aug. 27, 1941.

SPOTTING

FOR BOARD GAME PLAYED WITH MOVABLE PIECES.
Claims use since Aug. 15, 1941.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 444,770. SCREW CONVEYOR CORP., Hammond, Ind. Filed June 23, 1941.

SCREW-VEYOR

No claim is made to the word "Screw" apart from the mark.
FOR ELEVATING AND CONVEYING APPARATUS COMPRISING HELICAL AND SCREW CONVEYORS AND PARTS THEREOF.
Claims use since Oct. 1, 1940.

Ser. No. 445,200. THE GREIF BROS. COOPERAGE CORPORATION, Cleveland, Ohio. Filed July 9, 1941.

Cloz-it

FOR STAPLING MACHINES.
Claims use since Apr. 8, 1941.

Ser. No. 446,179. ROYAL TYPEWRITER COMPANY, INC., New York, N. Y. Filed Aug. 12, 1941.

Aristocrat

FOR TYPEWRITING MACHINES AND PARTS THEREOF.
Claims use since July, 1939.

Ser. No. 446,180. ROYAL TYPEWRITER COMPANY, INC., New York, N. Y. Filed Aug. 12, 1941.

ARROW

FOR TYPEWRITING MACHINES AND PARTS THEREOF.
Claims use since July, 1939.

Ser. No. 446,181. ROYAL TYPEWRITER COMPANY, INC., New York, N. Y. Filed Aug. 12, 1941.

Companion

FOR TYPEWRITING MACHINES AND PARTS THEREOF.
Claims use since June, 1940.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 442,192. DONAT A. GAUTHIER, Detroit, Mich. Filed Apr. 2, 1941.

AIREX

FOR PLUG GAUGES OF ALL DESCRIPTIONS AND OTHER GAUGES FOR MEASURING OR CHECKING DIAMETERS AND LENGTHS OF OBJECTS.
Claims use since Mar. 16, 1941.

Ser. No. 443,643. DANIEL W. POWELL, Baltimore, Md. Filed May 16, 1941.

DIAPHRAGMETER

FOR SCIENTIFIC INSTRUMENT WHICH MEASURES AND INDICATES THE INHALATION OF BREATH DIAPHRAGMATICALLY AND THE CONTROL ACTION IN THE EMISSION OF THE BREATH IN SPOKEN AND SINGING TONES AND TONES PLAYED ON WIND INSTRUMENTS.
Claims use since Feb. 28, 1941.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 445,683. BULOVA WATCH COMPANY, INC., New York, N. Y. Filed July 28, 1941.

PHANTOM

FOR WATCHES FOR MEN AND LADIES.
Claims use since Nov. 18, 1919.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 445,701. SLUMBER PRODUCTS CORPORATION, Memphis, Tenn. Filed July 28, 1941.



The words "A" and "Product" are disclaimed apart from the mark.
FOR MATTRESSES.
Claims use since Oct. 2, 1940.

Ser. No. 446,011. HARRY ZELLICK, Cambridge, Mass. Filed Aug. 5, 1941.

METRO-NAP-SOFA

No claim is made to the words "Nap-Sofa" apart from the mark.
FOR DIVANS AND SOFAS.
Claims use since June 15, 1940.

Ser. No. 446,216. THE PHARIS TIRE AND RUBBER COMPANY, Newark, Ohio. Filed Aug. 13, 1941.

AUTOSALER

FOR MERCHANDISE DISPLAY STANDS, RACKS, COUNTERS, SHELVING, AND BRACKETS.
Claims use since Aug. 1, 1941.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NON-METALLIC TIRES

Ser. No. 443,815. THE PEP BOYS—MANNY, MOE & JACK, Philadelphia, Pa. Filed May 22, 1941.

CORNELLIAN

FOR PNEUMATIC RUBBER TIRES AND INNER TUBES CONSTRUCTED OF RUBBER AND/OR RUBBERIZED FABRIC.
Claims use since May 1, 1941.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 442,885. UNITED STATES HARMONICA CORPORATION, Greenwich, Conn. Filed Apr. 23, 1941.

ALL-STAR

FOR HARMONICAS.
Claims use since Feb. 13, 1941.

Ser. No. 444,991. THOMAS A. EDISON, INCORPORATED, West Orange, N. J. Filed July 1, 1941.

EDISON
VOICEWRITER
Ediphone

Applicant is owner of U. S. trade-mark registration #259,035 effected July 23, 1929 (for the word "Edison") under the 10-year proviso of section 5b of the act of February 20, 1905.
FOR PHONOGRAPHIC APPARATUS FOR RECORDING AND REPRODUCING DICTATION AND THE LIKE, AND ACCESSORIES FOR SUCH APPARATUS INCLUDING RECORD CYLINDER RACKS.
Claims use since Feb. 17, 1941.

CLASS 37

PAPER AND STATIONERY

Ser. No. 424,800. A. W. FABER CASTELL-BLEISTIFTFABRIK A.-G., Stein, Germany. Filed Oct. 23, 1939. Under 10-year proviso.

FABER

FOR LEAD PENCILS; COLOURED PENCILS; COPYING PENCILS; COLOURED COPYING INK PENCILS; DRAWING PENCILS; SLATE PENCILS; RUBBER PENCILS; CHALK PENCILS; ARTIST'S PENCILS; PROPELLING PENCILS; DROP-ACTION PENCILS; MECHANICAL PENCILS; PATENT PENCILS; GREASE PENCILS; DERMATOGRAPH PENCILS; PENCILS WITH MOISTURE-PROOF LEADS FOR TROPICAL REGIONS; WRITING, DRAWING, PAINTING, BILLIARD AND MARKING CHALKS; CRAYONS; PENCILS AND CHALKS FOR WRITING ON OR MARKING TEXTILE GOODS, SKINS, GLASS AND CHINAWARE; BLACK-LEADS; WRITING LEADS; COPYING LEADS; COLOURED LEADS; COLOURED COPYING INK LEADS; PEN HOLDERS; PENCIL AND CHALK HOLDERS; FOUNTAIN PENS; NIBS; WRITING SETS; ERASURE RUBBER; RUBBER BANDS; ERASING SHIELDS; HAND SHARPENERS; SMALL WALL OR DESK PENCIL SHARPENERS; DRAWING PINS; AND LETTER CLIPS.
Claims use since 1761.

Ser. No. 429,967. BANKERS DEVELOPMENT CORPORATION, New York, N. Y. Filed Mar. 26, 1940.

THRIFTICHECK

FOR JOINT SIGNATURE CARDS, SINGLE SIGNATURE CARDS, COMBINATION ACCOUNT STATEMENTS, DEPOSIT TICKETS, COMBINATION COUPON FORMS, REFERENCE RECORDS, ACCOUNT RECORDS, ACCOUNT CLOSED TICKETS, ACCOUNT OPENED TICKETS, CHECK BOOK ORDERS, DEPOSITOR'S RECEIPTS, DEPOSITOR'S BUSINESS AND EMPLOYMENT RECORDS AND ADVERTISING CHECKS FOR BANKS, RECORD N. G. CHECKS RETURNED UNPAID, SPECIAL CASH DEPOSIT TICKETS FOR CREDIT TO ACCOUNT BALANCE SAME DAY DEPOSIT IS MADE, DAILY REPORTS, ACCOUNT OPENED AND RE-ORDER CHECK FILLERS SOLD TO DEPOSITORS, CHECK BOOK REORDER FORMS, DEPOSIT BY MAIL ENVELOPES, CHECKS WITH CUSTOMER'S NAME IMPRINTED, PASS BOOKS, AND STATEMENT ENVELOPES, ALL IN THE NATURE OF BLANK FORMS TO BE FILLED IN.
Claims use since Feb. 11, 1939.

Ser. No. 436,705. SILKLIN PAPER CORPORATION, San Francisco, Calif. Filed Oct. 7, 1940.

Silk-Wax

The word "Wax" is disclaimed apart from the mark.
FOR WAXED PAPER.
Claims use since Sept. 14, 1940.

Ser. No. 441,760. RAY E. BAUDER, doing business as Bauder-Baker, Chicago, Ill. Filed Mar. 21, 1941.

SIGNASURE

FOR BLANK FORMS—NAMELY, CHECK DEPOSIT

BOOKS, CHECK BOOKS, PASS BOOKS, DEPOSIT SLIPS, SIGNATURE CARDS, STATEMENT SHEETS, APPLICATION CARDS, DEBIT TICKETS, LEDGER SHEETS; AND WRITING PAPER AND ENVELOPES.
Claims use since Oct. 1, 1940.

Ser. No. 443,345. MANUEL ROSENTHAL, doing business as Speedry Products Co., New York, N. Y. Filed May 7, 1941.



The drawing is lined for red. The representation of the goods and the words "Brushpen" and "Dries Right as You Write" are disclaimed apart from the mark.
FOR INK APPLICATOR FOUNTAIN PENS.
Claims use since Apr. 15, 1940.

Ser. No. 443,805. H. D. CATTY CORPORATION, New York, N. Y. Filed May 22, 1941.

MOISTUREPROOF
KITCH-N-RAP

No claim is made to the words "Moistureproof" and "Rap" apart from the mark.
FOR ROLLS OF "CELLOPHANE" PAPER.
Claims use since Apr. 17, 1941.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 440,468. HOWARD NELSON MOORE, Washington, D. C. Filed Feb. 8, 1941.

PAT PENDING

FOR COMIC STRIP.
Claims use since Jan. 29, 1937.

Ser. No. 440,994. NATIONAL TEMPLE EDUCATIONAL ASSOCIATION, Los Angeles, Calif. Filed Feb. 26, 1941.

Temple of The Masters

National Temple Educational Association



FOR PERIODICAL PUBLICATION.
Claims use since Jan. 21, 1941.

Ser. No. 444,648. BARNEY LEVENTHAL, New York, N. Y Filed June 18, 1941.

Swing

FOR MAGAZINES.
Claims use since Apr. 3, 1941.

Ser. No. 444,670. GRANT ADVERTISING, INC., Dallas, Tex. Filed June 19, 1941.

KOLONEL KRISS KROSS

FOR RADIO SCRIPTS PUBLISHED FROM TIME TO TIME AND SOLD AS SUCH IN THE TRADE.
Claims use since Feb. 1, 1941.

Ser. No. 445,231. FRANCIS I. DU PONT & CO. AND CHISHOLM & CHAPMAN, New York, N. Y. Filed July 10, 1941.



Applicant disclaims the word "Service" apart from the mark.
FOR DAILY FINANCIAL NEWS AND STATISTICAL LETTERS.
Claims use since May 1, 1940.

Ser. No. 445,496. HILLMAN PERIODICALS, INC., New York, N. Y. Filed July 19, 1941.

Air Fighters

FOR MAGAZINE.
Claims use since July 1, 1941.

CLASS 39

CLOTHING

Ser. No. 429,505. SANTA FE HAND WOVEN FABRICS, INC., Santa Fe, N. Mex. Filed Mar. 12, 1940.



All words except "Burro" are disclaimed apart from the mark.
FOR NECKTIES.
Claims use since Aug. 26, 1939.

Ser. No. 432,663. SPORT PRODUCTS, INC., Cincinnati, Ohio. Filed June 4, 1940.

Tourney

FOR MEN'S AND BOYS' SPORT SHIRTS, SPORT JACKETS, AND SWEATERS.
Claims use since Apr. 15, 1940.

Ser. No. 442,519. CHICAGO MAIL ORDER COMPANY, Chicago, Ill. Filed Apr. 12, 1941.



The word "Tread" is disclaimed apart from the mark.
FOR WOMEN'S AND MISSES' SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS THEREOF.
Claims use since Feb. 1, 1941.

Ser. No. 442,656. THE FLORSHEIM SHOE COMPANY, Chicago, Ill. Filed Apr. 17, 1941.



No claim is made to the words "The" and "Shoe" apart from the mark. Applicant is owner of T. M. Reg. No. 77,632, the subject of which is "The Florsheim Shoe," effected under the 10-year proviso, and duly renewed.
FOR SHOES MADE OF LEATHER AND/OR CLOTH.
Claims use since Apr. 1, 1941.

Ser. No. 443,319. ANN MANUFACTURING COMPANY, Granite Quarry, N. C. Filed May 7, 1941.



The phrase "For a Shorter Wash Line" is disclaimed except in association with the other features of the mark.
FOR TEXTILE DIAPERS.
Claims use since Mar. 28, 1941.

Ser. No. 443,476. BARMAICO LIMITED, London, England. Filed May 12, 1941.

SILVERLEE

FOR WOMEN'S AND CHILDREN'S KNITTED DRESSES, SUITS, CARDIGANS, PULLOVERS, JUMPERS, WAISTCOATS, AND HATS.
Claims use since Nov. 18, 1930.

Ser. No. 443,585. I. SPIEWAK & SONS, Jersey City, N. J. Filed May 14, 1941.

GOLDEN FLEECE

FOR SPORT AND WORK JACKETS, COATS, VESTS, AND SWEATERS FOR MEN, BOYS, JUVENILES, MISSES, AND LADIES.
Claims use since Oct. 1, 1920.

Ser. No. 445,186. PHILIP S. BLOOM COMPANY, Chicago, Ill. Filed July 5, 1941.

Lastic-Yoke

Applicant disclaims the word "Yoke" apart from the mark.
FOR LADIES' UNDERWEAR—NAMELY, PANTIES.
Claims use since May 23, 1940.

Ser. No. 445,306. E. SUSSMAN & CO., INC., New York, N. Y. Filed July 12, 1941.



The word "Guaranteed" is disclaimed apart from the mark.
FOR MEN'S AND BOYS' OVERCOATS, TOPCOATS, JACKETS, TROUSERS, SLACKS, SUITS, AND MACKINAWS.
Claims use since January, 1924.

Ser. No. 445,334. SAKS & COMPANY, New York, N. Y. Filed July 14, 1941.

EDITED BY SAKS FIFTH AVENUE

The words "By Saks" are disclaimed except as shown.
FOR MISSES' DRESSES.
Claims use since June 23, 1941.

Ser. No. 445,335. SAKS & COMPANY, New York, N. Y. Filed July 14, 1941.

KAYAKS

FOR WOMEN'S AND MISSES' SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS THEREOF.
Claims use since May 29, 1941.

Ser. No. 445,360. KAYLON, INC., New York, N. Y. Filed July 15, 1941.

Mr. and Mrs.

FOR MEN'S AND WOMEN'S PAJAMAS AND NIGHT SHIRTS AND NIGHT GOWNS.
Claims use since May 1, 1937.

Ser. No. 445,425. JOSELLI SUITS INC., New York, N. Y. Filed July 17, 1941.

Glamour-Kool

No claim is made to the word "Kool" apart from the mark.
FOR WOMEN'S JACKETS, SKIRTS AND SUITS.
Claims use since Mar. 1, 1941.

Ser. No. 445,426. LEEDS LTD. COATS INC., New York, N. Y. Filed July 17, 1941.

Perennial

FOR WOMEN'S, MISSES', AND JUNIORS' COATS, SUITS, JACKETS, CAPES, SKIRTS, COAT AND SUIT ENSEMBLES, AND SUIT AND CAPE ENSEMBLES.
Claims use since July 1, 1940.

Ser. No. 445,434. MORRIS PRESS, doing business as Press Dress & Uniform Co., Hummelstown, Pa. Filed July 17, 1941.

White Cloud

FOR DRESSES FOR WOMEN, MISSES, AND GIRLS, PARTICULARLY UNIFORM AND UTILITY DRESSES.
Claims use since May 15, 1941.

Ser. No. 445,537. A. STEIN & COMPANY, Chicago, Ill. Filed July 21, 1941.

PARISWING

Applicant is the owner of Trade-Mark Reg. No. 75,265, dated Sept. 14, 1909, renewed "Paris" for garters under 10-years' use proviso of the act of February 20, 1905. Applicant is also the owner of Reg. No. 176,206, dated Nov. 20, 1923, the subject of which is "Paris" for arm bands and suspenders, registered under act of February 20, 1905, as amended by act of March 19, 1920.
FOR SUSPENDERS.
Claims use since July 11, 1941.

Ser. No. 445,682. BRAUER BROS. SHOE CO., St. Louis, Mo. Filed July 28, 1941.

Tango A PARADISE Pump

No claim is made to the words "A", "Tango", and "Pump" apart from the mark.
FOR SHOES MADE OF LEATHER OR FABRIC, OR COMBINATIONS OF BOTH THESE MATERIALS.
Claims use since June 1, 1940.

Ser. No. 445,740. LEEDS LTD. COATS, INC., New York, N. Y. Filed July 29, 1941.

Double Action

FOR WOMEN'S, MISSES', AND JUNIORS' COATS, SUITS, JACKETS, CAPES, SKIRTS, COAT AND SUIT ENSEMBLES, AND SUIT AND CAPE ENSEMBLES.
Claims use since Apr. 15, 1940.

Ser. No. 445,814. MAX LAUER, New York, N. Y. Filed July 31, 1941.

RUSTICLAD

FOR LADIES' AND MISSES' SHOES AND SLIPPERS MADE OF LEATHER, RUBBER, FABRIC, OR COMPOSITIONS OR COMBINATIONS THEREOF.
Claims use since June, 1941.

Ser. No. 445,864. TRAINA-NORELL, INC., New York, N. Y. Filed Aug. 1, 1941.

"Baroque Pink"

No claim is made to the word "Pink" apart from the mark.
FOR LADIES' DRESSES, COATS, JACKETS, PLAYSUITS, AND BLOUSE AND SLACK SETS.
Claims use since July 10, 1941.

Ser. No. 445,866. TRAINA-NORELL, INC., New York, N. Y. Filed Aug. 1, 1941.

"Debit Red"

No claim is made to the word "Red" apart from the mark.
FOR LADIES' DRESSES, COATS, JACKETS, PLAYSUITS, AND BLOUSE AND SLACK SETS.
Claims use since July 10, 1941.

Ser. No. 445,917. BEST SHOE COMPANY, INC., Boston, Mass. Filed Aug. 4, 1941.

Magic Poise

FOR WOMEN'S SHOES OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF.
Claims use since July 3, 1941.

Ser. No. 445,936. MORRIS W. HAFT & BROS., INC., New York, N. Y. Filed Aug. 4, 1941.

KRASHLEEN

FOR WOMEN'S AND MISSES' SUITS AND COATS.
Claims use since Mar. 20, 1940.

Ser. No. 445,964. THE H. A. SEINSHEIMER COMPANY, Cincinnati, Ohio. Filed Aug. 4, 1941.

COOLERS

FOR MEN'S CLOTHING—NAMELY, SUITS, OVERCOATS, TOP COATS, AND TROUSERS.
Claims use since Jan. 16, 1941.

Ser. No. 446,128. CHICAGO MAIL ORDER COMPANY, Chicago, Ill. Filed Aug. 11, 1941.

Love Story

FOR HOSIERY.
Claims use since Feb. 4, 1941.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 445,841. COWEN BROS., New York, N. Y. Filed Aug. 1, 1941.

Gaucho

FOR WRIST WATCH STRAPS MADE OF LEATHER OR FABRIC.
Claims use since Apr. 28, 1941.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 445,415. FORSTMANN WOOLEN CO., Passaic, N. J. Filed July 17, 1941.

Ming Shades

The word "Shades" is disclaimed apart from the mark.
FOR WOOLEN PIECE GOODS.
Claims use since July 8, 1941.

Ser. No. 445,416. FORSTMANN WOOLEN CO., Passaic, N. J. Filed July 17, 1941.

Ming Tones

The word "Tones" is disclaimed apart from the mark.
FOR WOOLEN PIECE GOODS.
Claims use since July 8, 1941.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 444,656. PLEE-ZING, INC., Chicago, Ill. Filed June 18, 1941.

Tendees

FOR SANITARY NAPKINS.
Claims use since May 13, 1941.

Ser. No. 446,014. SAMUEL BONAT & BRO., New York, N. Y. Filed Aug. 6, 1941.

Lifeglo

FOR PERMANENT WAVING PADS.
Claims use since July 17, 1941.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 442,043. EUGENE LENNER, Kingston, N. Y. Filed Mar. 28, 1941.



Fruit Beer

No claim is made to the words "Fruit Beer" nor to the glass of beverage except as shown.
FOR NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGE SOLD AS A SOFT DRINK, AND SIRUP AND EXTRACT FOR MAKING THE SAME.
Claims use since Mar. 3, 1941.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 430,508. PROSPER A. INGELS, Dallas, Tex. Filed Apr. 8, 1940.



The words "Cot'nice" are disclaimed apart from the mark.
FOR ICE CREAM CONFECTIONS—NAMELY, SICKLES, FROZEN PIES, CUSTARDS, SUCKERS, AND DIPS.
Claims use since Mar. 23, 1940.

Ser. No. 432,035. THE KROGER GROCERY & BAKING COMPANY, Cincinnati, Ohio. Filed May 17, 1940.

VEIN-X

FOR CANNED SHRIMP.
Claims use since May 2, 1940.

Ser. No. 433,075. SMITH BROS. OF PORT WASHINGTON, INC., Port Washington, Wis. Filed June 15, 1940.

Fish Shanty

No claim is made to the word "Fish" apart from the mark.
FOR PREPARED FISH—NAMELY, CUTLETS IN WINE SAUCE, WHOLE SPICED HERRING, HERRING IN WINE SAUCE, ROLLED HERRING AS APPETIZERS; FRENCH DRESSING AND POTATO SALAD DRESSING.
Claims use since Dec. 23, 1936.

Ser. No. 433,603. DOUGHBOY MILLS, INC., New Richmond, Wis. Filed July 2, 1940. Under the act of February 20, 1905, as amended June 10, 1938.

meadow-kist

FOR BREAD.
Claims use since May 20, 1940.

Ser. No. 434,555. CHAPMAN & SMITH COMPANY, Chicago, Ill. Filed Aug. 1, 1940.

Rolling Pin

Applicant is the owner of Certificate No. 133,374, registered July 27, 1920, and Certificate No. 133,930, registered Aug. 10, 1920.
FOR BAKING POWDER.
Claims use since August, 1936.

Ser. No. 437,849. UNITED PURE FOOD CO., New York, N. Y. Filed Nov. 13, 1940.

TOP FLIGHT

FOR CANNED VEGETABLES, DRIED VEGETABLES, PICKLED VEGETABLES, CANNED FISH, CANNED SHELL FISH, DRIED FISH, CHEESE, COCOA, TEA, VINEGAR, VEGETABLE SALAD OIL, OLIVE OIL, OLIVES AND SPICE, PASTES AND SAUCES—NAMELY, ANCHOVY PASTE, SPAGHETTI SAUCE AND ANTIPASTO.
Claims use since Nov. 6, 1940.

Ser. No. 444,164. STELLA CHEESE COMPANY, Chicago, Ill. Filed June 3, 1941.



FOR CHEESE.
Claims use since May 1, 1940.

Ser. No. 444,645. KRAFT CHEESE COMPANY, Chicago, Ill. Filed June 18, 1941. Under 10-year proviso.

PHILADELPHIA
BRAND

Applicant is the owner of United States registration No. 139,094, registered Jan. 18, 1921, No. 171,687, registered Aug. 7, 1923, and No. 267,080, registered Feb. 11, 1930.
FOR CREAM CHEESE.
Claims use since Sept. 1, 1880.

Ser. No. 444,768. PHILLIP SCALETTA, Lodi, Calif. Filed June 23, 1941.

AMERICANA

FOR FRESH DECIDUOUS FRUITS, FRESH VEGETABLES, AND FRESH GRAPES.
Claims use since Mar. 27, 1941.

Ser. No. 445,899. OLIVE HEIGHTS CITRUS ASSOCIATION, Olive, Calif. Filed Aug. 2, 1941.

Atlas

FOR FRESH CITRUS FRUITS
Claims use since May, 1914.

Ser. No. 446,066. THE SOMERSET CANNING CORPORATION, Somerset, Pa. Filed Aug. 7, 1941.

TABLELAND

FOR CANNED VEGETABLES.
Claims use since Sept. 1, 1938.

Ser. No. 446,109. E. HALLMAN, doing business as E. Hallman Company, Toronto, Ontario, Canada. Filed Aug. 9, 1941.

Landoclover

FOR HONEY, BUTTER, CHEESE, AND DRESSED POULTRY.
Claims use since Sept. 25, 1934.

CLASS 47

WINES

Ser. No. 442,609. SHEWAN-JONES, INC., New York, N. Y. Filed Apr. 15, 1941.

José Gaspar

Trade-mark consists of the name of José Gaspar, alia Gasparilla, notorious pirate who preyed upon commerce of the Spanish Main.
FOR WINE.
Claims use since Mar. 31, 1941.

Ser. No. 444,913. RIVERBANK WINE CO., Boston, Mass. Filed June 27, 1941.

ROMOLO

FOR WINES.
Claims use since 1889.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 362,787. OLDETYME DISTILLERS, INC., New York, N. Y., assignor to Oldetyme Distillers Corporation, a corporation of Delaware. Filed Mar. 20, 1935.

THREE FEATHERS

FOR WHISKEY.
Claims use since 1919.

Ser. No. 363,819. OLDETYME DISTILLERS, INC., New York, N. Y., assignor to Oldetyme Distillers Corporation, a corporation of Delaware. Filed Apr. 16, 1935.

FEATHERS

FOR WHISKEY.
Claims use since 1919.

Ser. No. 364,103. OLDETYME DISTILLERS, INC., New York, N. Y., assignor to Oldetyme Distillers Corporation, a corporation of Delaware. Filed Apr. 23, 1935.



FOR WHISKEY.
Claims use since 1919.

Ser. No. 364,241. OLDETYME DISTILLERS, INC., New York, N. Y., assignor to Oldetyme Distillers Corporation, a corporation of Delaware. Filed Apr. 26, 1935.



FEATHERS

FOR WHISKEY AND GIN.
Claims use since 1919 on whiskey; and since Oct. 11, 1934, on gin.

Ser. No. 434,905. E. M. FLEISCHMANN DISTILLING CORPORATION, Lansdowne, Md. Filed Aug. 12, 1940.

EMF

FOR WHISKEY.
Claims use since June 12, 1939.

Ser. No. 434,907. E. M. FLEISCHMANN DISTILLING CORPORATION, Lansdowne, Md. Filed Aug. 12, 1940.

Olde Bourbon Brand

No claim is made to "Olde Bourbon" or "Brand" apart from the mark.
FOR BOURBON WHISKEY.
Claims use since Mar. 1, 1940.

Ser. No. 434,908. E. M. FLEISCHMANN DISTILLING CORPORATION, Lansdowne, Md. Filed Aug. 12, 1940.

Olde Rye Brand

No claim is made to the words "Olde Rye" or "Brand" apart from the mark.
FOR RYE WHISKEY.
Claims use since Oct. 30, 1939.

Ser. No. 444,561. BARTON & COMPANY INC., Stamford, Conn. Filed June 16, 1941.

Johnny Barton

The words "Johnny Barton" comprise the autographic signature of the president of the applicant corporation.
FOR RYE WHISKEY, SCOTCH WHISKEY, IRISH WHISKEY, BOURBON WHISKEY, AND DISTILLED DRY GIN.
Claims use since Feb. 19, 1941.

Ser. No. 445,700. T. W. SAMUELS DISTILLERY, INC., Deatsville, Ky., and Cincinnati, Ohio. Filed July 28, 1941.

KNOLLWOOD

FOR WHISKEY.
Claims use since July 2, 1941.

Ser. No. 445,711. AUSTIN, NICHOLS & CO. INCORPORATED, Brooklyn and New York, N. Y. Filed July 29, 1941.

Aircastle

FOR GIN.
Claims use since Aug. 8, 1938.

Ser. No. 445,753. THE SHERBROOK DISTRIBUTING CO., Cincinnati, Ohio. Filed July 29, 1941.

Jimtown

FOR WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS.
Claims use since Oct. 17, 1936.

Ser. No. 445,754. THE SHERBROOK DISTRIBUTING CO., Cincinnati, Ohio. Filed July 29, 1941.

Mill Hill

FOR WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS.
Claims use since July 19, 1937.

Ser. No. 445,755. THE SHERBROOK DISTRIBUTING CO., Cincinnati, Ohio. Filed July 29, 1941.

TOP HOLE

FOR WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS.
Claims use since Nov. 24, 1936.

Ser. No. 446,262. CLUFF & PICKERING, LTD., New York, N. Y. Filed Aug. 15, 1941.

Rolling Ridge

FOR WHISKEY.
Claims use since Nov. 29, 1937.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 443,379. HARVIE SMITH TOWSON, Washington, D. C. Filed May 8, 1941.

SAV-A-MAT

No claim is made to the word "Mats" apart from the mark.
FOR RUBBER AUTOMOBILE FLOOR MATS.
Claims use since May 5, 1941.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

OCTOBER 7, 1941

390,761. PERFUMES AND COSMETIC CREAMS. LENTHERIC, INCORPORATED, New York, N. Y.
Filed May 4, 1938. Serial No. 405,992. PUBLISHED JULY 29, 1941. Class 6.

390,762. HARDENING MATERIALS—NAMELY, ALKALI CHLORIDES AND/OR ALKALI CARBONATE AND/OR ALKALI EARTH CHLORIDES, ETC. DEUTSCHE GOLD- UND SILBER-SCHEIDEANSTALT VORMALS ROESSLER, Frankfort-on-the-Main, Germany.
Filed August 9, 1938. Serial No. 409,386. PUBLISHED JULY 22, 1941. Class 6.

390,763. LUBRICATING OIL HAVING CLEANSING PROPERTIES. BAYVIEW OIL COMPANY, Richmond, Calif.
Filed October 14, 1939. Serial No. 424,535. PUBLISHED OCTOBER 29, 1940. Class 15.

390,764. CANNED CELERY. THE PALMER CORPORATION, Sarasota, Fla.
Filed October 28, 1939. Serial No. 425,011. PUBLISHED JULY 29, 1941. Class 46.

390,765. DOUCHE POWDER. THE NORWICH PHARMACAL COMPANY, Norwich, N. Y.
Filed February 28, 1940. Serial No. 428,996. PUBLISHED JULY 29, 1941. Class 6.

390,766. GIRDLES. INTERNATIONAL LATEX CORPORATION, Dover, Del.
Filed March 4, 1940. Serial No. 429,180. PUBLISHED JULY 29 ,1941. Class 39.

390,767. FROZEN VEGETABLES—NAMELY, FROZEN CUT CORN, SPINACH, GREEN LIMA BEANS, PEAS, AND GREEN BEANS. STANDARD BRANDS INCORPORATED, New York, N. Y.
Filed March 20, 1940. Serial No. 429,793. PUBLISHED JULY 9, 1940. Class 46.

390,768. ELECTRIC LIGHTING FIXTURES, PARTICULARLY FLUORESCENT INDUSTRIAL FIXTURES. DAY-BRITE LIGHTING, INC., St. Louis, Mo.
Filed April 8, 1940. Serial No. 430,492. PUBLISHED JUNE 4, 1940. Class 21.

390,769. TURPENTINE. DURYEA PRODUCTS COMPANY, INCORPORATED, Jersey City, N. J.
Filed May 4, 1940. Serial No. 431,548. PUBLISHED JULY 29, 1941. Class 16.

390,770. BREAD IMPROVER CONSISTING LARGELY OF A COMBINATION OF MILK SOLIDS, VEGETABLE OIL AND A PROCESSED CEREAL FLOUR. NATIONAL CEREAL PRODUCTS CO., Chicago, Ill.
Filed May 13, 1940. Serial No. 431,800. PUBLISHED JULY 16, 1940. Class 46.

390,771. CUTLERY, PARTICULARLY BUTCHER AND HOUSEHOLD KNIVES, AND CARVING SETS OF BASE METAL, AND PARTS THEREOF. REMINGTON ARMS COMPANY, INC., Bridgeport, Conn.
Filed May 18, 1940. Serial No. 432,101. PUBLISHED JULY 29, 1941. Class 23.

390,772. INTERFACE MODIFYING AGENTS HAVING GENERAL USES IN THE INDUSTRIAL ARTS. NINOL, INC., Chicago, Ill.
Filed June 6, 1940. Serial No. 432,730. PUBLISHED JULY 22, 1941. Class 6.

390,773. CORN STARCH USED AS A SIZING FOR TEXTILES AND PAPER. CLINTON COMPANY, Clinton, Iowa.
Filed June 12, 1940. Serial No. 432,884. PUBLISHED JULY 29, 1941. Class 6.

390,774. CHEMICAL ORGANIC SOFTENING AGENT PREFERABLY IN THE FORM OF A PASTE FOR TREATING RAYON AND SPUN RAYON FABRICS FOR IMPARTING A VERY SOFT, FULL HAND, WHICH IS FAIRLY PERMANENT TO WASHING. CANUSA CORPORATION, Arlington, N. J.
Filed June 12, 1940. Serial No. 432,927. PUBLISHED JULY 22, 1941. Class 6.

390,775. CHEMICAL ORGANIC RAPID WETTING AGENT PREFERABLY IN LIQUID FORM, DESIGNED FOR IMMEDIATE WETTING. CANUSA CORPORATION, Arlington, N. J.
Filed June 12, 1940. Serial No. 432,928. PUBLISHED JULY 22, 1941. Class 6.

390,776. CHEMICAL ORGANIC MOTH-PROOFING AGENT PREFERABLY IN THE FORM OF A POWDER FOR THE TREATMENT OF TEXTILES. CANUSA CORPORATION, Arlington, N. J.
Filed June 12, 1940. Serial No. 432,929. PUBLISHED JULY 22, 1941. Class 6.

390,777. CHEMICAL ORGANIC DETERGENT, PENETRANT AND WETTING AGENT USED FOR FINISHING TEXTILES. CANUSA CORPORATION, Arlington, N. J.
Filed June 12, 1940. Serial No. 432,930. PUBLISHED JULY 22, 1941. Class 6.

390,778. CHEMICAL ORGANIC REPELLANT AGENT PREFERABLY IN THE FORM OF THICK PASTE USED FOR WATER-PROOFING FABRICS, ESPECIALLY COTTONS AND RAYONS, AND ALSO WOOL. CANUSA CORPORATION, Arlington, N. J.
Filed June 12, 1940. Serial No. 432,931. PUBLISHED JULY 22, 1941. Class 6.

390,779. CHEESE. VILHO O. JARVINEN, New York, N. Y.
Filed July 25, 1940. Serial No. 434,331. PUBLISHED JULY 29, 1941. Class 46.

390,780. POWDER FOR FOOT BATH. TER-O-SUL PRODUCTS CO., INC., New York, N. Y.
Filed August 20, 1940. Serial No. 435,184. PUBLISHED JULY 29, 1941. Class 6.

390,781. DENTIFRICE, A BEAUTY POWDER FOR THE TEETH AND GUMS. HERL L. CROWTHER, doing business as Crowther Products, Los Angeles, Calif.
Filed September 14, 1940. Serial No. 435,968. PUBLISHED JULY 22, 1941. Class 6.

390,782. STEEL FOR TOOLS AND DIES AND HAND AND PNEUMATIC AND ELECTRIC DRILLS. LEHIGH STEEL COMPANY, New York, N. Y.
Filed September 11, 1940. Serial No. 435,876. PUBLISHED JULY 29, 1941. Class 14.

390,783. OVERDRIVE AXLES FOR AUTOMOTIVE VEHICLES. THE COLUMBIA AXLE COMPANY, Cleveland, Ohio.
Filed September 23, 1940. Serial No. 436,252. PUBLISHED JULY 29, 1941. Class 23.

390,784. AUXILIARY CHILDREN'S TOILET SEATS. BOSTON LEATHER SPECIALTIES COMPANY, doing business as Bunny Bear, Everett, Mass.
Filed October 1, 1940. Serial No. 436,539. PUBLISHED JULY 29, 1941. Class 13.

390,785. HOUSEHOLD RUBBER GLOVES. THE PIONEER RUBBER COMPANY, Willard, Ohio.
Filed October 30, 1940. Serial No. 437,415. PUBLISHED JULY 29, 1941. Class 39.

390,786. THREAD COATED WITH CELLULOSE MATERIAL AND USED IN PACKAGING, WEAVING, AND FOR OTHER PURPOSES. FREYDBERG BROS., INC., Stamford, Conn., and New York, N. Y.
Filed November 9, 1940. Serial No. 437,722. PUBLISHED MARCH 11, 1941. Class 43.

390,787. MATERIAL FOR USE IN REMOVING OR REPLACING METALLIC OR NON-METALLIC IONS OR ACID-FORMING CONSTITUENTS FROM FLUIDS. THE RESINOUS PRODUCTS & CHEMICAL COMPANY, Philadelphia, Pa.
Filed November 9, 1940. Serial No. 437,741. PUBLISHED JULY 22, 1941. Class 6.

390,788. DRY CLEANING FLUIDS AND STODDARD SOLVENT—NAMELY, A DRY CLEANING SOLVENT. CALIFORNIA TEXAS OIL COMPANY, LIMITED, New York, N. Y.
Filed November 19, 1940. Serial No. 438,033. PUBLISHED JULY 29, 1941. Class 4.

390,789. ELECTRICAL CONDUIT FITTINGS, PARTICULARLY INSULATING SLEEVES FOR USE IN CONNECTION WITH ELECTRICAL WIRING RACEWAY SYSTEMS. THE THOMAS & BETTS CO., Elizabeth, N. J.
Filed November 23, 1940. Serial No. 438,186. PUBLISHED JANUARY 21, 1941. Class 21.

390,790. OIL, GAS, AND COAL FURNACES. KEITH FURNACE COMPANY, Des Moines, Iowa.
Filed November 25, 1940. Serial No. 438,202. PUBLISHED JULY 29, 1941. Class 34.

390,791. SOLUTIONS USED IN THE PERMANENT WAVING OF HAIR. E. FREDERICS, INC., New York, N. Y.
Filed November 28, 1940. Serial No. 438,304. PUBLISHED JULY 22, 1941. Class 6.

390,792. SYNTHETIC RUBBER, RUBBER SUBSTITUTES, AND RUBBER-LIKE MATERIALS. STANDARD OIL DEVELOPMENT COMPANY, Linden, N. J.
Filed December 17, 1940. Serial No. 438,963. PUBLISHED JULY 29, 1941. Class 1.

390,793. COIN OPERATED MACHINES FOR THE REPRODUCTION OF TALKING PICTURES. TALK-A-VISION INC., New York, N. Y.
Filed January 2, 1941. Serial No. 439,368. PUBLISHED MARCH 11, 1941. Class 26.

390,794. MEN'S, WOMEN'S, AND CHILDREN'S SWEATERS, BATHING SUITS, SCARFS, MUFFLERS, CAPS, HATS, NECKTIES, ETC. S. AUGSTEIN & Co., New York, N. Y.
Filed January 3, 1941. Serial No. 439,382. PUBLISHED JULY 29, 1941. Class 39.

390,795. OIL SOLUTION OF BISMUTH FOR USE IN THE TREATMENT OF SYPHILIS. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed January 21, 1941. Serial No. 439,828. PUBLISHED JULY 29, 1941. Class 6.

390,796. OXYGEN CONSUMING PREPARATION FOR USE IN FLUID ANALYZING APPARATUS. BAILEY METER COMPANY, Cleveland, Ohio.
Filed January 27, 1941. Serial No. 439,989. PUBLISHED JULY 22, 1941. Class 6.

390,797. ORANGE PEEL AND GRAPEFRUIT PEEL. WILLIAM C. LUBAN, doing business as The Luban Co., Tampa, Fla., assignor to Florence Citrus Growers Association, Florence Villa, Fla., a corporation.
Filed January 27, 1941. Serial No. 440,011. PUBLISHED JUNE 10, 1941. Class 46.

390,798. PREPARATION FOR STOMACH ULCERS. JOSEPH SANTORE, Osceola Mills, Pa.
Filed February 3, 1941. Serial No. 440,267. PUBLISHED JULY 29, 1941. Class 6.

390,799. PANELS OF TRANSPARENT OR TRANSLUCENT GLASS SUITABLE FOR PARTITIONS, SCREENS, WINDOW PANES, MIRROR FRAMES, TRAYS, AND THE LIKE. LIGHT CONDITIONING COMPANY OF AMERICA, INC., New York, N. Y.
Filed February 7, 1941. Serial No. 440,419. PUBLISHED JULY 29, 1941. Class 33.

390,800. TEXTILE PIECE GOODS OF SILK, COTTON, LINEN, WOOL, RAYON, ACETATE, AND OTHER MATERIALS OF ANIMAL, VEGETABLE, AND SYNTHETIC FIBRES AND OF COMBINATIONS THEREOF PROCESSED TO MAKE THE SAME WATER REPELLENT AND SPOT AND PERSPIRATION RESISTANT. AQUA-SEC CORPORATION, New York, N. Y.
Filed February 10, 1941. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 440,486. PUBLISHED JULY 29, 1941. Class 42.

390,801. MEDICINAL COMPOUND FOR USE IN THE TREATMENT OF KIDNEY AND BLADDER TROUBLE, BAD BLOOD, AND RUPTURE. SYLVESTER MCKENNEDY, Unity, Ill.
Filed February 13, 1941. Serial No. 440,631. PUBLISHED JULY 29, 1941. Class 6.

390,802. SLICED RAW VEGETABLE SALADS. SCALIA'S, Portland, Oreg.
Filed February 17, 1941. Serial No. 440,735. PUBLISHED JULY 22, 1941. Class 46.

390,803. PRINTING PAPER. INTERNATIONAL PAPER COMPANY, New York, N. Y.
Filed February 24, 1941. Serial No. 440,938. PUBLISHED JULY 29, 1941. Class 37.

390,804. RADIO RECEIVERS. GENERAL ELECTRIC COMPANY, New York, N. Y.
Filed February 26, 1941. Serial No. 441,017. PUBLISHED JULY 29, 1941. Class 21.

390,805. SHOE LACES. INTERNATIONAL BRAID COMPANY, Providence, R. I.
Filed February 26, 1941. Serial No. 441,021. PUBLISHED APRIL 29, 1941. Class 40.

390,806. MEASURING TAPES. HOWARD WALL LIMITED, London, England.
Filed March 10, 1941. Serial No. 441,422. PUBLISHED JULY 29, 1941. Class 26.

390,807. PHARMACEUTICAL TABLETS CONSISTING OF VITAMIN B COMPLEX WITH IRON. VITAMED CORPORATION, New York, N. Y.
Filed March 14, 1941. Serial No. 441,555. PUBLISHED JULY 22, 1941. Class 6.

390,808. MUSICAL RECORDS FOR USE ON PHONOGRAPHS AND RECORDING MACHINES. BETH PHILLIPS, Hollywood, Calif.
Filed March 18, 1941. Serial No. 441,687. PUBLISHED JULY 29, 1941. Class 36.

390,809. PHARMACEUTICAL PREPARATIONS USED FOR EXTERNAL SKIN IRRITATIONS, PSORIASIS, ECZEMA, EXTERNAL ITCH, RASHES, EXTERNALLY CAUSED. ISAAC MASARSKY, doing business as Hillcrest Laboratories, Spring Valley, N. Y.
Filed March 21, 1941. Serial No. 441,778. PUBLISHED JULY 22, 1941. Class 6.

390,810. SADDLE SOAP. STALKER MANUFACTURING COMPANY, INC., New York, N. Y.
Filed March 17, 1941. Serial No. 441,799. PUBLISHED JULY 29, 1941. Class 4.

390,811. MACHINE WOOLEN AND WORSTED KNITTING YARN. BOTANY WORSTED MILLS, Passaic, N. J.
Filed March 24, 1941. Serial No. 441,853. PUBLISHED JULY 29, 1941. Class 43.

390,812. ORNAMENTAL ARTICLES MADE FROM WOOD, PARTICULARLY WOODEN TRAYS AND WOODEN PLAQUES AND BADGES. WALTER S. GASS, doing business as Linnwood Products Company, Seward, Nebr.
Filed April 2, 1941. Serial No. 442,191. PUBLISHED JULY 29, 1941. Class 50.

390,813. COTTON THREAD AND YARNS. PIEDMONT COTTON MILLS, Egan, Ga.
Filed April 2, 1941. Serial No. 442,209. PUBLISHED JULY 29, 1941. Class 43.

390,814. AMERICAN AND RUSSIAN MINERAL OIL FOR MEDICINAL USE, BEEF IRON AND WINE, CITRATES AND CARBONATES, MILK OF MAGNESIA, SOLUTION MAGNESIUM CITRATE, WATER SOFTENER, ANTISEPTIC SOLUTION, AND COUGH SYRUPS. WILLIAM J. WARDALL, trustee for the Estate of McKesson & Robbins, Inc., debtor, doing business as The Cameo Co., New York, N. Y., and San Francisco, Calif.
Filed April 9, 1941. Serial No. 442,438. PUBLISHED JULY 29, 1941. Class 6.

390,815. CLEANING COMPOUNDS FOR USE IN STEAM CLEANING OF MOTOR VEHICLES AND THE LIKE AND FOR MISCELLANEOUS DETERGENT PURPOSES. TURCO PRODUCTS, INC., Los Angeles, Calif.
Filed April 16, 1941. Serial No. 442,642. PUBLISHED JULY 29, 1941. Class 4.

390,816. PROPHYLACTIC. ERNEST J. SCHABELITZ, doing business as Schabelitz Research Laboratories, San Diego, Calif.
Filed April 21, 1941. Serial No. 442,805. PUBLISHED JULY 29, 1941. Class 6.

390,817. YARNS. EMILE BERNAT & SONS CO., Jamaica Plain, Mass.
Filed April 22, 1941. Serial No. 442,825. PUBLISHED JULY 22, 1941. Class 43.

390,818. YARNS. EMILE BERNAT & SONS CO., Jamaica Plain, Mass.
Filed April 22, 1941. Serial No. 442,826. PUBLISHED JULY 22, 1941. Class 43.

390,819. DETERGENT FOR REMOVING GREASE FROM WALLPAPER AND SIMILAR SURFACES. THE BLOTEX CO., Springfield, Ohio.
Filed April 22, 1941. Serial No. 442,827. PUBLISHED JULY 29, 1941. Class 4.

390,820. LIQUID FLOOR WAX, AND WAX PASTE FOR FLOORS, FURNITURE, AND AUTOMOBILES. THE GREAT ATLANTIC & PACIFIC TEA COMPANY, New York, N. Y.
Filed April 22, 1941. Serial No. 442,844. PUBLISHED JULY 29, 1941. Class 16.

390,821. METALLIC CONVEYOR LINK BELTS FOR FEEDERS AND CONVEYORS. ROBERT L. SJOSTROM, doing business as Sjostrom Machine Company, Lawrence, Mass.
Filed April 22, 1941. Serial No. 442,855. PUBLISHED JULY 29, 1941. Class 23.

390,822. FACE POWDERS. TALBOT H. LE BLANC, Brooklyn, N. Y.
Filed April 24, 1941. Serial No. 442,906. PUBLISHED JULY 22, 1941. Class 6.

390,823. PARTICULATE CARBON HAVING A GENERAL USE IN THE INDUSTRIAL ARTS. SOUTHERN CARBON COMPANY, Monroe, La.
Filed April 26, 1941. Serial No. 443,022. PUBLISHED JULY 29, 1941. Class 6.

390,824. STEEL AND BRASS STAMPS, EMBOSSING DIES, STAMPING DIES, AND STEEL TYPE. MERCURY METAL DIE & LETTER CO., INC., Los Angeles, Calif.
Filed April 28, 1941. Serial No. 443,047. PUBLISHED JULY 29, 1941. Class 23.

390,825. SURFACING WAX APPLICABLE TO FLOORS, LINOLEUM, HARDWOOD, TERAZZO, RUBBER TILE, ASPHALT TILE AND PAINTED, VARNISHED, SHELLACKED, OR OTHERWISE COATED SURFACES. FULD BROS., doing business as Durham Chemical Laboratories, Baltimore, Md.
Filed April 29, 1941. Serial No. 443,078. PUBLISHED JULY 29, 1941. Class 16.

390,826. SOAP—NAMELY, TOILET SOAP. THE HEWITT SOAP COMPANY, INC., Dayton, Ohio.
Filed April 29, 1941. Serial No. 443,082. PUBLISHED JULY 29, 1941. Class 4.

390,827. AUTOMOTIVE IGNITION PARTS INCLUDING SPARK COILS, DISTRIBUTOR PARTS, CONDENSERS, AND IGNITION SWITCHES. GENERAL PRODUCTS CORPORATION, Union Springs, N. Y.
Filed April 30, 1941. Serial No. 443,125. PUBLISHED JULY 29, 1941. Class 21.

390,828. SLIDE FASTENERS. WALDES KOH-I-NOOR, INC., Long Island City, N. Y.
Filed April 30, 1941. Serial No. 443,148. PUBLISHED JULY 29, 1941. Class 13.

390,829. GLASS AND COMBINATION GLASS AND METAL GLOBES AND REFLECTORS. HOLOPHANE COMPANY, INC., New York, N. Y.
Filed May 1, 1941. Serial No. 443,161. PUBLISHED JULY 29, 1941. Class 34.

390,830. HANKED NATURAL INTESTINAL SAUSAGE CASINGS. INDEPENDENT CASING COMPANY, Chicago, Ill.
Filed May 2, 1941. Serial No. 443,195. PUBLISHED JULY 29, 1941. Class 2.

390,831. CLAY AND CHARCOAL. AMERICAN REEDCRAFT CORPORATION, New York, N. Y.
Filed May 6, 1941. Serial No. 443,274. PUBLISHED JULY 29, 1941. Class 1.

390,832. CRAYONS, ERASERS, WRITING PAPER. RUBBER BANDS, AND CHALK. AMERICAN REEDCRAFT CORPORATION, New York, N. Y.
Filed May 6, 1941. Serial No. 443,275. PUBLISHED JULY 29, 1941. Class 37.

390,833. MUFFLERS FOR INTERNAL COMBUSTION ENGINES. GAMBLE STORES INCORPORATED, Minneapolis, Minn.
Filed May 6, 1941. Serial No. 443,288. PUBLISHED JULY 29, 1941. Class 23.

390,834. DINNER-WARE AND BAKING DISHES OF PORCELAIN OR CHINA WARE. VAN CAMP SEA FOOD CO., INC., Terminal Island, Calif.
Filed May 6, 1941. Serial No. 443,310. PUBLISHED JULY 29, 1941. Class 30.

390,835. SANDWICHES. VICTOR L. GROSS, Omaha, Nebr.
Filed May 7, 1941. Serial No. 443,328. PUBLISHED JULY 29, 1941. Class 46.

390,836. TUBING MADE OF NON-FIBROUS CELLULOSIC MATERIAL—NAMELY, REGENERATED CELLULOSE, WHETHER TRANSPARENT OR OPAQUE, COLORED OR UNCOLORED, OR PRINTED. SYLVANIA INDUSTRIAL CORPORATION, Fredericksburg, Va., and New York, N. Y.
Filed May 7, 1941. Serial No. 443,351. PUBLISHED JULY 29, 1941. Class 50.

390,837. INSECTICIDES AND FUNGICIDES. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio.
Filed May 8, 1941. Serial No. 443,375. PUBLISHED JULY 29, 1941. Class 6.

390,838. INSECTICIDES AND DISINFECTANTS. THE CORKINS CHEMICAL CO., Cincinnati, Ohio.
Filed May 9, 1941. Serial No. 443,405. PUBLISHED JULY 22, 1941. Class 6.

390,839. MATRICES. MERGENTHALER LINOTYPE COMPANY, Brooklyn, N. Y.
Filed May 9, 1941. Serial No. 443,424. PUBLISHED JULY 29, 1941. Class 50.

390,840. MATRICES. MERGENTHALER LINOTYPE COMPANY, Brooklyn, N. Y.
Filed May 9, 1941. Serial No. 443,425. PUBLISHED JULY 29, 1941. Class 50.

390,841. MATRICES. MERGENTHALER LINOTYPE COMPANY, Brooklyn, N. Y.
Filed May 9, 1941. Serial No. 443,426. PUBLISHED JULY 29, 1941. Class 50.

390,842. MATRICES. MERGENTHALER LINOTYPE COMPANY, Brooklyn, N. Y.
Filed May 9, 1941. Serial No. 443,428. PUBLISHED JULY 29, 1941. Class 50.

390,843. MATRICES. MERGENTHALER LINOTYPE COMPANY, Brooklyn, N. Y.
Filed May 9, 1941. Serial No. 443,430. PUBLISHED JULY 29, 1941. Class 50.

390,844. FOUNTAIN PENS AND PENCILS. W. A. SHEAFFER PEN COMPANY, Fort Madison, Iowa.
Filed May 9, 1941. Serial No. 443,434. PUBLISHED JULY 29, 1941. Class 37.

390,845. COAL. GENERAL COAL COMPANY, Philadelphia, Pa.
Filed May 10, 1941. Serial No. 443,456. PUBLISHED JULY 29, 1941. Class 1.

390,846. MEDICINAL PREPARATIONS FOR THE TREATMENT OF DIABETES, SUPERFICIAL IRRITATIONS, DIGESTIVE DISTURBANCES DUE TO FAULTY ELIMINATION, GASTRIC IRRITATIONS, BURNS, SCALDS, AND MINOR WOUNDS. LOUISE M. FAUGHT, Brooklyn, N. Y.
Filed May 12, 1941. Serial No. 443,501. PUBLISHED JULY 22, 1941. Class 6.

390,847. CHECK PAPER. JEFFRIES BANKNOTE COMPANY, Los Angeles, Calif.
Filed May 12, 1941. Serial No. 443,509. PUBLISHED JULY 29, 1941. Class 37.

390,848. LIPSTICKS. POND'S EXTRACT COMPANY, New York, N. Y.
Filed May 12, 1941. Serial No. 443,515. PUBLISHED JULY 8, 1941. Class 6.

390,849. DECORATIVE PAPER SPECIALTIES, SPECIFICALLY TABLE MATS OR DOILIES AND PAPER BORDERS. TRIMZ COMPANY, INC., Chicago, Ill.
Filed May 12, 1941. Serial No. 443,523. PUBLISHED JULY 29, 1941. Class 37.

390,850. LIQUID BELT DRESSINGS. BELTRACTION COMPANY, Chicago, Ill.
Filed May 13, 1941. Serial No. 443,530. PUBLISHED JULY 29, 1941. Class 4.

390,851. PUBLICATION PUBLISHED MONTHLY CONTAINING SERIES OF CARTOONS AND ARTICLES. THE PARENTS' INSTITUTE, INC., New York, N. Y.
Filed May 13, 1941. Serial No. 443,543. PUBLISHED JULY 22, 1941. Class 38.

390,852. TOILET TISSUE. SCOTT PAPER COMPANY, Chester, Pa.
Filed May 14, 1941. Serial No. 443,580. PUBLISHED JULY 29, 1941. Class 37.

390,853. PLASTIC STOCK AND POULTRY FOOD. CONSOLIDATED PRODUCTS COMPANY, Danville, Ill.
Filed May 16, 1941. Serial No. 443,628. PUBLISHED JULY 29, 1941. Class 46.

390,854. LADIES' HANDBAGS. VICTOR BERKOWITZ, New York, N. Y.
Filed May 17, 1941. Serial No. 443,648. PUBLISHED JULY 29, 1941. Class 3.

390,855. INSECT REPELLING PREPARATION. AMERICAN DRUG & CHEMICAL COMPANY, Minneapolis, Minn.
Filed May 20, 1941, Serial No. 443,678. PUBLISHED JULY 29, 1941. Class 6.

390,856. LAUNDRY STARCHES. NATIONAL STARCH PRODUCTS INC., New York, N. Y.
Filed May 20, 1941. Serial No. 443,727. PUBLISHED JULY 29, 1941. Class 6.

390,857. LAUNDRY STARCHES. NATIONAL STARCH PRODUCTS INC., New York, N. Y.
Filed May 20, 1941. Serial No. 443,728. PUBLISHED JULY 29, 1941. Class 6.

390,858. SOAP. BOTANY WORSTED MILLS, Passaic, N. J.
Filed May 21, 1941. Serial No. 443,745. PUBLISHED JULY 29, 1941. Class 4.

390,859. INSECTICIDE CRYSTALS AND PELLETS. GERO PRODUCTS, INC., South Boston, Mass.
Filed May 21, 1941. Serial No. 443,758. PUBLISHED JULY 29, 1941. Class 6.

390,860. CHEMICAL POWDER FOR CONTROL OF CERTAIN PESTS SUCH AS SILVER FISH, COCKROACHES, BUFFALO BEETLES, WATER BEETLES, AND ANTS. DESTRUXOL CORPORATION, LTD., Pasadena, Calif.
Filed May 21, 1941. Serial No. 443,756. PUBLISHED JULY 22, 1941. Class 6.

390,861. ICE CREAM. THE BORDEN COMPANY, New York, N. Y.
Filed May 22, 1941. Serial No. 443,804. PUBLISHED JULY 29, 1941. Class 46.

390,862. SHOES MADE OF LEATHER AND COMBINATIONS OF LEATHER AND FABRIC. FIELD AND FLINT CO., Brockton, Mass.
Filed May 22, 1941. Serial No. 443,808. PUBLISHED JULY 29, 1941. Class 39.

390,863. CHEMICAL AGENT FOR INHIBITING, PREVENTING, AND REMOVING DEPOSITS OF ASPHALT, WAX, PARAFFIN, ORGANIC MATERIALS, AND THE LIKE IN OIL WELLS, OIL COLLECTING LINES, TANKS, AND SIMILAR PETROLEUM HANDLING EQUIPMENT. PETROLITE CORPORATION, LTD., Webster Groves, Mo.
Filed May 22, 1941. Serial No. 443,816. PUBLISHED JULY 22, 1941. Class 6.

390,864. SALAD DRESSING AND BAKING POWDER. R. C. WILLIAMS & COMPANY, INC., New York, N. Y.
Filed May 22, 1941. Serial No. 443,827. PUBLISHED JULY 29, 1941. Class 46.

390,865. MEN'S CLOTHING — NAMELY, SUITS, COATS, TOPCOATS, RAINCOATS, HATS, SMOKING JACKETS, TUXEDOS, ETC. ABRAHAM & STRAUS, INC., Brooklyn, N. Y.
Filed May 23, 1941. Serial No. 443,829. PUBLISHED JULY 29, 1941. Class 39.

390,866. CHEMICAL PRODUCT USED IN WATER TREATING FOR SCALE AND CORROSION CONTROL. D. W. HAERING AND COMPANY, INC., Chicago, Ill.
Filed May 24, 1941. Serial No. 443,884. PUBLISHED JULY 29, 1941. Class 6.

390,867. MALTED MILK. HORLICK'S MALTED MILK CORPORATION, Racine, Wis.
Filed May 24, 1941. Serial No. 443,886. PUBLISHED JULY 29, 1941. Class 46.

390,868. FRESH VEGETABLES. THE CHAS. ABBATE COMPANY, Chicago, Ill.
Filed May 26, 1941. Serial No. 443,905. PUBLISHED JULY 29, 1941. Class 46.

390,869. FURRIERS' KNIVES AND BLADES THEREFOR. DERNBURG FUR COMPANY, INC., Chicago, Ill.
Filed May 26, 1941. Serial No. 443,924. PUBLISHED JULY 29, 1941. Class 23.

390,870. AIRPLANES. GENERAL AIRCRAFT CORPORATION, Lowell, Mass.
Filed May 26, 1941. Serial No. 443,928. PUBLISHED JULY 29, 1941. Class 19.

390,871. COSMETICS AND BEAUTY PREPARATIONS — NAMELY, FOUNDATION LOTION. JACQUELINE COCHRAN, Roselle, N. J.
Filed May 27, 1941. Serial No. 443,974. PUBLISHED JULY 22, 1941. Class 6.

390,872. UPHOLSTERED SOFAS, COUCHES, AND CHAIRS. LEWITTES & SONS, INC., New York, N. Y.
Filed May 27, 1941. Serial No. 443,982. PUBLISHED JULY 29, 1941. Class 32.

390,873. UPHOLSTERED SOFAS, COUCHES, AND CHAIRS. LEWITTES & SONS, INC., New York, N. Y. Filed May 27, 1941. Serial No. 443,983. PUBLISHED JULY 29, 1941. Class 32.

390,874. YARN. HARRY C. WOLFENDEN, doing business as R. Wolfenden & Sons, Attleboro, Mass. Filed May 27, 1941. Serial No. 443,992. PUBLISHED JULY 29, 1941. Class 43.

390,875. WOOLEN PIECE GOODS. FOLKARD & LAWRENCE, INC., New York, N. Y. Filed May 28, 1941. Serial No. 444,000. PUBLISHED JULY 29, 1941. Class 42.

390,876. MEDICINAL PREPARATION AS DIGESTIVE AID. SCHWARZ LABORATORIES INC., New York, N. Y. Filed May 28, 1941. Serial No. 444,016. PUBLISHED JULY 29, 1941. Class 6.

390,877. TIRE PUMPS, NON-POWER OPERATED. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed May 28, 1941. Serial No. 444,017. PUBLISHED JULY 29, 1941. Class 23.

390,878. BALL BEARINGS. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed May 28, 1941. Serial No. 444,018. PUBLISHED JULY 29, 1941. Class 23.

390,879. DEVICE TO MEASURE THE LENGTH AND WIDTH OF HOSIERY FOR LADIES AND MISSES. WAYNE KNITTING MILLS, Fort Wayne, Ind. Filed May 28, 1941. Serial No. 444,024. PUBLISHED JULY 29, 1941. Class 26.

390,880. VACUUM AND HEAT-INSULATED JUGS SUITABLE FOR USE AT PICNICS. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed May 29, 1941. Serial No. 444,043. PUBLISHED JULY 29, 1941. Class 2.

390,881. ELECTRICALLY ILLUMINATED SIGNS AND PARTS THEREOF. SCHWARZE ELECTRIC CO., Adrian, Mich. Filed May 31, 1941. Serial No. 444,099. PUBLISHED JULY 29, 1941. Class 21.

390,882. ELECTRIC ANTI-WHEEL-SLIDE CONTROL UNITS, ELECTRIC CAR COUPLERS, ELECTRIC COMPRESSOR GOVERNORS, ETC. THE WESTINGHOUSE AIR BRAKE COMPANY, Wilmerding, Pa. Filed May 31, 1941. Serial No. 444,111. PUBLISHED JULY 29, 1941. Class 21.

390,883. METAL POWDERS FOR USE IN WELDING, SOLDERING, AND BRAZING. THE FRANCOIS CEMENTATION COMPANY LIMITED, London, England. Filed June 3, 1941. Serial No. 444,146. PUBLISHED JULY 29, 1941. Class 14.

390,884. CHOCOLATE-COATED COMPRESSED TABLETS FOR USE IN THE SUPPLEMENTARY TREATMENT OF INDIGESTION AND MALNUTRITION. THE HARROWER LABORATORY, INC., Glendale, Calif. Filed June 5, 1941. Serial No. 444,221. PUBLISHED JULY 29, 1941. Class 6.

390,885. HAIRDRESSING. PETOES, INC., New York, N. Y. Filed June 10, 1941. Serial No. 444,387. PUBLISHED JULY 29, 1941. Class 6.

390,886. IRON VITAMIN TONIC. CHATTANOOGA DRUG & CHEMICAL COMPANY, Chattanooga, Tenn. Filed June 11, 1941. Serial No. 444,398. PUBLISHED JULY 29, 1941. Class 6.

390,887. CANNED PINEAPPLE. FRANCIS H. LEGGETT & COMPANY, New York, N. Y. Filed June 17, 1941. Serial No. 444,600. PUBLISHED JULY 29, 1941. Class 46.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

390,888. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE RICHARDSON COMPANY, Lockland, Ohio. Filed June 7, 1938. Serial No. 407,200.

MICAROK

FOR COMPOSITE ELECTRICAL INSULATING MATERIALS IN SHEET FORM CONSISTING OF A BINDER AND MICA.
Claims use since May 27, 1938.

390,889. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) TURCO PRODUCTS, INC., Los Angeles, Calif. Filed July 19, 1939. Serial No. 421,754.

BUBBLE BATH

FOR SOAPLESS CHEMICAL FOAMING COMPOUND USED IN THE CLEANING OF AUTOMOBILES AND OTHER VEHICLE BODIES, MACHINERY, AND THE LIKE.
Claims use since Apr. 3, 1939.

390,890. (CLASS 1. RAW, OR PARTLY PREPARED MATERIALS.) HARVEY L. STIEGELMEIER, Normal, Ill. Filed Feb. 29, 1940. Serial No. 429,074.



FOR HYBRID SEED CORN.
Claims use since June 1, 1939.

390,891. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) HANNA COAL SALES COMPANY, Wilmington, Del. Filed June 27, 1940. Serial No. 433,433.

Lawton Fire Creek

FOR COAL.
Claims use since May 10, 1940.

390,892. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) L. C. MAASKOFF, doing business as Ventura Associates, Los Angeles, Calif. Filed July 16, 1940. Serial No. 434,024.

Ventura

FOR MINERAL COLLOID USED AS A FACIAL MASK.
Claims use since July 8, 1940.

390,893. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) SUPER-MOUNT PRODUCTS CO., New York, N. Y. Filed July 22, 1940. Serial No. 434,231.

SUPER-MOUNT

FOR LENS MOUNTINGS.
Claims use since June 17, 1940.

390,894. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) EVERETT C. STARK, Vancouver, British Columbia, Canada. Filed Aug. 10, 1940. Serial No. 434,892.

MEMBA

FOR BOTTLE CLOSURES.
Claims use since Dec. 20, 1935.

390,895. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SEBASTIANI CANNING CO., Sonoma, Calif. Filed Aug. 20, 1940. Serial No. 435,182.

Ripe & Delicious

FOR CANNED FRUITS.
Claims use since Aug. 6, 1940.

390,896. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GRAY MARINE MOTOR COMPANY, Detroit, Mich. Filed Dec. 14, 1940. Serial No. 438,838.

GRAYMARINE

FOR MARINE ENGINES, PARTICULARLY MARINE ENGINES OF VARIOUS TYPES PROPELLED BY GASOLINE, FUEL OIL AND/OR COMBUSTIBLES.
Claims use since 1922.

390,897. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ISAACSON IRON WORKS, Seattle, Wash. Filed Jan. 13, 1941. Serial No. 439,684.

KLEARING-BLADE

FOR TRACTORS.
Claims use since April, 1940.

390,898. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SALVADOR CARLOS NAVARRO, doing business as Hollywood Toiletries, Los Angeles, Calif. Filed Apr. 4, 1941. Serial No. 442,274.

WAVE-LAST

FOR TOILET PREPARATIONS SUITABLE FOR THE WAVING OF HAIR.
Claims use since Apr. 15, 1937.

390,899. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) BLIND-BRITE COMPANY, San Francisco, Calif. Filed Apr. 5, 1941. Serial No. 442,303.



FOR CLEANER FOR VENETIAN BLINDS.
Claims use since July 1, 1940.

390,900. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAMES A. TZOUVELEKAS, Greenville, S. C. Filed Apr. 5, 1941. Serial No. 442,343.



FOR CANNED VEGETABLES.
Claims use since Feb. 1, 1939.

390,901. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PACIFIC GRAPE PRODUCTS COMPANY, Modesto, Calif. Filed Apr. 23, 1941. Serial No. 442,875.

Dainty Pak

FOR CANNED FRUITS.
Claims use since Jan. 10, 1940.

390,902. (CLASS 38. PRINTS AND PUBLICATIONS.) POLICE AND FIRE PUBLISHING CO., Chicago, Ill. Filed May 12, 1941. Serial No. 443,514.

The ILLINOIS POLICEMAN

FOR PERIODICAL PUBLICATION.
Claims use since July 15, 1935.

390,903. (CLASS 43. THREAD AND YARN.) HEMINWAY AND BARTLETT SILK COMPANY, Watertown, Conn., and New York, N. Y. Filed May 29, 1941. Serial No. 444,045.

"AMHERST"

FOR MERCERIZED MENDING COTTON AND DARNING COTTONS.
Claims use since 1910.

390,904. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NEW CONE COMPANY, Chicago, Ill. Filed June 5, 1941. Serial No. 444,224.

HYKLAS

FOR ICE CREAM CONES.
Claims use since May 1, 1939.

390,905. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) TOKHEIM OIL TANK AND PUMP COMPANY, Fort Wayne, Ind. Filed June 16, 1941. Serial No. 444,586.

"SMOOTH FLO"

FOR HAND PUMP FOR HANDLING GASOLINE, OILS AND LIQUIDS.
Claims use since Aug. 1, 1940.

390,906. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) CLEAVELAND LABORATORIES & MANUFACTURING COMPANY, INC., Peapack and Newark, N. J. Filed June 27, 1941. Serial No. 444,895.

NO-TARNISH

FOR SYNTHETIC LACQUERS FOR COATING WOOD, TEXTILE FABRICS AND PAPER.
Claims use since 1913.

390,907. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) PAUL E. FLATO, New York, N. Y. Filed July 3, 1941. Serial No. 445,047.

FLATO

FOR CLIPS AND CLASPS FOR THE HAIR AND FOR GARMENTS, AND GARMENT BUCKLES, ALL MADE OF NON-PRECIOUS METALS OR PLASTICS.
Claims use since October, 1924.

390,908. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) PAUL E. FLATO, New York, N. Y. Filed July 3, 1941. Serial No. 445,048.

Paul Flato

FOR CLIPS AND CLASPS FOR THE HAIR AND FOR GARMENTS, AND GARMENT BUCKLES, ALL MADE OF NON-PRECIOUS METALS OR PLASTICS.
Claims use since October, 1924.

390,909. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARRY W. MILLER, doing business as International Nutrition Laboratory, Mount Vernon, Ohio. Filed July 5, 1941. Serial No. 445,098.

SOY-A-MALT

FOR VEGETABLE FOOD DRINK IN POWDERED FORM.
Claims use since August, 1936.

390,910. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE F. E. I. CORPORATION, Pittsburgh, Pa. Filed July 14, 1941. Serial No. 445,323.

Dr. Ellis'

FOR WAVE-SET, WAVING FLUID, SUPER-QUICK DRYING WAVE-SET, NAIL POLISH, NAIL POLISH REMOVER, NAIL POLISH REMOVER CONTAINING OIL, PETROLEUM JELLY, HAIR POMADES, BRILLIANTINE, HAIR OIL, NAIL POLISH THINNER, AND COCOANUT OIL SOAP SHAMPOO.
Claims use since Jan. 1, 1929.

390,911. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BURTON BROS. INC., Atlanta, Ga. Filed July 17, 1941. Serial No. 445,405.



FOR HAIR DRESSING.
Claims use since Jan. 1, 1926.

390,912. (CLASS 2. RECEPTACLES.) CONTAINER CORPORATION OF AMERICA, Chicago, Ill. Filed Aug. 2, 1941. Serial No. 445,884.

LOKSTRIP

FOR FOLDING CARTONS.
Claims use since June 30, 1938.

TRADE-MARK REGISTRATIONS RENEWED

20,631. **WHITE LILY.** LARD. Registered January 26, 1892. DUNLEVY & BRO., Pittsburgh, Pa. Re-renewed January 26, 1942, to Dunlevy-Franklin Corporation, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

135,207. **BUSS FUSES.** ELECTRIC FUSES AND CUT-OUTS. Registered September 28, 1920. BUSSMANN MANUFACTURING COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed September 28, 1940.

137,281. **WHITE BEAUTY.** SHOE-POLISH. Registered November 23, 1920. C. E. JOHNSON & Co. Renewed November 23, 1940, to C. E. Johnson & Co., Inc., Chicago, Ill., a corporation of Illinois, assignee.

137,283. **REPRESENTATION OF A BLACK HORSE.** SHOE-POLISH. Registered November 23, 1920. C. E. JOHNSON & Co. Renewed November 23, 1940, to C. E. Johnson & Co., Inc., Chicago, Ill., a corporation of Illinois, assignee.

141,355. **VACUUM GRIP.** PLIERS. Registered April 19, 1921. FORGED STEEL PRODUCTS CO. OF N. J., Newark, N. J. Renewed April 19, 1941, to Forged Steel Products Company, Newport, Pa., a corporation of Pennsylvania, assignee.

146,137. **BELLEWOOD.** HAIR-REMOVER AND FACE-CLEANSER. Registered August 30, 1921. ROSA SCHOENHOLZ, doing business as Bellewood Mfg. Co., San Francisco, Calif. Renewed August 30, 1941.

146,246. **DEEP-O-DIVER.** ARTIFICIAL MINNOWS. Registered September 6, 1921. JAMES HEDDON'S SONS, Dowagiac, Mich., a corporation of Michigan. Renewed September 6, 1941.

146,253. **SNUGS.** RUBBER BOOTS AND SHOES, RUBBER OVERSHOES, AND RUBBER-SOLED CANVAS SHOES. Registered September 6, 1921. HOOD RUBBER COMPANY, Watertown, Mass. Renewed September 6, 1941, to Hood Rubber Company, Inc., Wilmington, Del., a corporation of Delaware, assignee.

146,337. **P AND G SPECIAL.** COCOANUT-OIL. Registered September 6, 1921. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed September 6, 1941.

146,607. **"DIAMOND EDGE IS A QUALITY PLEDGE".** CERTAIN CUTLERY, MACHINES, AND TOOLS. Registered September 13, 1921. SHAPLEIGH HARDWARE COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed September 13, 1941.

147,033. **IDLE HOUR.** CANDIES. Registered September 27, 1921. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Renewed September 27, 1941.

147,367. **SPEED-OL.** LUBRICATING OILS AND GREASES AND GASOLENE. Registered October 11, 1921. PENNANT OIL & GREASE COMPANY, Los Angeles, Calif., a corporation of California. Renewed October 11, 1941.

147,702. **SWEET ORCHARD.** NON-ALCOHOLIC BEVERAGES AND SYRUP FOR FLAVORING THE SAME MADE FROM FRUITS. Registered October 25, 1921. SWEET ORCHARD COMPANY. Renewed October 25, 1941, to Burkart Bros., Inc., Chicago, Ill., a corporation of Illinois, assignee.

147,803. **REPRESENTATION OF A RED HEXAGON.** AUTOMOBILES. Registered November 1, 1921. PACKARD MOTOR CAR COMPANY, Detroit, Mich., a corporation of Michigan. Renewed November 1, 1941.

147,923. **MULTIPASS.** LATHES AND AUTOMATIC LATHES, PARTS THEREOF, AND TOOLS FOR SAID LATHES. Registered November 8, 1921. ANDRÉ BECHLER, Moutier, Switzerland. Renewed November 8, 1941.

147,970. **DAN-DEE.** CHEESE. Registered November 8, 1921. EDWARD W. COON, Philadelphia, Pa. Renewed November 8, 1941, to Kraft Cheese Company, Chicago, Ill., a corporation of Delaware, assignee by mesne assignments.

148,002. **DUXEEN.** PREPARED PAPER AND CLOTH USED FOR BOOK-COVERS. Registered November 8, 1921. THE DUX CHEMICAL SOLUTIONS COMPANY LIMITED, London, England, an organized company of Great Britain. Renewed November 8, 1941.

148,210. **PHENIX.** MILK-SUGAR. Registered November 8, 1921. PHENIX CHEESE CO., New York, N. Y. Renewed November 8, 1941, to Kraft Cheese Company, Chicago, Ill., a corporation of Delaware, assignee by mesne assignments.

148,703. **PERFEX.** AUTOMOBILE-RADIATORS. Registered November 22, 1921. PERFEX RADIATOR COMPANY, Racine, Wis. Renewed November 22, 1941, to Perfex Corporation, Milwaukee, Wis., a corporation of Wisconsin, assignee by mesne assignments.

148,960. **GAINSBOROUGH.** HAIR-NETS. Registered November 29, 1921. WESTERN BOTTLE MANUFACTURING COMPANY. Renewed November 29, 1941, to Weco Products Company, Chicago, Ill., a corporation of Illinois, by change of name.

148,999. **LITTLE QUEEN.** TOY CARPET-SWEEPERS. Registered December 6, 1921. BISSELL CARPET SWEEPER CO. Renewed December 6, 1941, to Bissell Carpet Sweeper Company, Grand Rapids, Mich., a corporation of Michigan, assignee.

149,000. **LITTLE JEWEL.** TOY CARPET-SWEEPERS. Registered December 6, 1921. BISSELL CARPET SWEEPER CO. Renewed December 6, 1941, to Bissell Carpet Sweeper Company, Grand Rapids, Mich., a corporation of Michigan, assignee.

149,356. **CHEROKEE.** YARNS AND THREADS. Registered December 13, 1921. CHEROKEE SPINNING COMPANY, Knoxville, Tenn., a corporation of Tennessee. Renewed December 13, 1941.

149,676. **U-Z-A DE LUXE.** HAIR-NETS AND HANDKERCHIEFS. Registered December 20, 1921. GILMAN BROS. INC., Boston, Mass., a corporation of Massachusetts. Renewed December 20, 1941.

149,741. **GLORIA.** RAW COFFEE. Registered December 20, 1921. TAFFAE & BELLION. Renewed December 20, 1941, to Leon Taffae, doing business as Taffae & Bellion, New York, N. Y., successor.

149,742. **ESTRELLA.** RAW COFFEE. Registered December 20, 1921. TAFFAE & BELLION. Renewed December 20, 1941, to Leon Taffae, doing business as Taffae & Bellion, New York, N. Y., successor.

149,817. **AMCELLA.** CERTAIN NAMED CLOTHS AND FABRICS IN THE PIECE. Registered December 27, 1921. THE AMERICAN CELLULOSE & CHEMICAL MANUFACTURING COMPANY, LIMITED, New York, N. Y., and Cumberland, Md. Renewed December 27, 1941, to Celanese Corporation of America, New York, N. Y., a corporation of Delaware, by change of name.

149,907. **DURA.** WINDOW-REGULATORS. Registered December 27, 1921. DURA MECHANICAL HARDWARE CO., INC., Toledo, Ohio. Renewed December 27, 1941, to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan, successor.

149,910. **BOROZIN.** TOILET POWDER. Registered December 27, 1921. THE ELI LILLY & COMPANY. Renewed December 27, 1941, to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana, by change of name.

150,776. **BESTYETTE.** HAIR NETS. Registered January 10, 1922. N. B. COHEN. Renewed January 10, 1942, to N. B. Cohen Company, Scranton, Pa., a firm, assignee.

150,991. **UNIVERSAL.** WET STORAGE BATTERIES. Registered January 10, 1922. UNIVERSAL BATTERY COMPANY. Renewed January 10, 1942, to Universal Battery Company, Chicago, Ill., a corporation of Illinois, assignee.

151,067. **DREYFUSILK.** YARNS AND THREAD MADE OF SILK AND ALSO OF ARTIFICIAL SILK. Registered January 24, 1922. THE AMERICAN CELLULOSE & CHEMICAL MANUFACTURING COMPANY, LIMITED, New York, N. Y., and Cumberland, Md. Renewed January 24, 1942, to Celanese Corporation of America, New York, N. Y., a corporation of Delaware, by change of name.

151,089. **BE-"BREINIG-BUILT".** CERTAIN NAMED PAINTS, VARNISHES, ENAMELS, AND SHELLACS, ETC. Registered January 24, 1922. BREINIG BROTHERS, INC. Renewed January 24, 1942, to Breinig Brothers, Inc., Hoboken, N. J., a corporation of New Jersey, assignee.

151,196. **RED SEAL.** POWDER PUFFS. Registered January 24, 1922. MORRIS, MANN & REILLY. Renewed January 24, 1942, to Morris, Mann & Reilly, Inc., Chicago, Ill., a corporation of Illinois, successor.

151,233. **TAXITE.** A PREPARATION FOR THE REMOVAL OF PAINTS, VARNISHES, ETC. Registered January 24, 1922. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed January 24, 1942.

151,431. **BIRCO.** ELECTRIC MOTORS. Registered February 7, 1922. BIRTMAN ELECTRIC COMPANY, Chicago, Ill., a corporation of Illinois. Renewed February 7, 1942.

151,457. **CUNO.** ELECTRIC LAMPS, ELECTRIC STARTING AND IGNITION DEVICES FOR GAS ENGINES, AND ELECTRIC CIGAR LIGHTERS. Registered February 7, 1922. THE CUNO ENGINEERING CORPORATION, Meriden, Conn., a corporation of Connecticut. Renewed February 7, 1942.

151,482. **WEE FOLK'S.** CERTAIN NAMED PRECIOUS METAL WARE. Registered February 7, 1922. FRANKLIN SILVER PLATE COMPANY. Renewed February 7, 1942, to Rogers, Lunt & Bowlen Company, Greenfield, Mass., a corporation of Massachusetts, successor.

151,486. **ERIO.** DYESTUFFS. Registered February 7, 1922. GEIGY COMPANY, INC., New York, N. Y., a corporation of New York. Renewed February 7, 1942.

151,623. **VIMCOLITE.** ELECTRICAL APPLIANCES—NAMELY, PORTABLE ELECTRIC LAMPS. Registered February 7, 1922. VIMCO MFG. COMPANY, INC., Buffalo, N. Y., a corporation of New York. Renewed February 7, 1942.

151,694. **KNIT TO FIT.** KNIT GOODS—NAMELY, HOSIERY. Registered February 14, 1922. BURSON KNITTING COMPANY, Rockford, Ill., a corporation of Illinois. Renewed February 14, 1942.

151,727. **BIG BITE.** CHOCOLATE-COATED PEANUT-CANDY HAVING A MARSHMALLOW CENTER. Registered February 14, 1922. THE CURTISS CANDY COMPANY, Chicago, Ill., a corporation of Illinois. Renewed February 14, 1942.

151,745. **ESCOLITE.** SOLUBLE CHEMICAL COMPOUNDS FOR USE AS DETERGENTS. Registered February 14, 1922. THE ELECTRIC SMELTING & ALUMINUM CO. INC., Lockport, N. Y. Renewed February 14, 1942, to The Cowles Detergent Company, Cleveland Ohio, a corporation of Ohio, assignee by mesne assignments.

151,746. **ESCO.** SOLUBLE CHEMICAL COMPOUNDS FOR USE AS DETERGENTS WITH AND WITHOUT THE ADDITION OF SOAP. Registered February 14, 1922. THE ELECTRIC SMELTING & ALUMINUM CO. INC., Lockport, N. Y. Renewed February 14, 1942, to The Cowles Detergent Company, Cleveland, Ohio., a corporation of Ohio, assignee by mesne assignments.

151,760. **FLEISCHMANN'S.** COMPRESSED YEAST AND YEAST MIXTURES. Registered February 14, 1922. THE FLEISCHMANN COMPANY, Cincinnati, Ohio, and New York, N. Y. Renewed February 14, 1942, to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware, assignee.

151,787. **LITTLE JACK RABBIT BOOKS.** A SERIES OF BOOKS PUBLISHED PERIODICALLY. Registered February 14, 1922. GROSSET & DUNLAP, INC., New York, N. Y., a corporation of New York. Renewed February 14, 1942.

151,788. **SLUMBER-TOWN TALES.** A SERIES OF BOOKS PUBLISHED PERIODICALLY. Registered February 14, 1922. GROSSET & DUNLAP, INC., New York, N. Y., a corporation of New York. Renewed February 14, 1942.

151,808. **BEST EVER.** CANNED FISH. Registered February 14, 1922. K. HOVDEN COMPANY. Renewed February 14, 1942, to Hovden Food Products Corporation, Monterey, Calif., a corporation of California, assignee.

151,865. **MASCO.** WIPING, POLISHING, AND CLEANING CLOTHS. Registered February 14, 1922. MASSASOIT MANUFACTURING COMPANY, Fall River, Mass. Renewed February 14, 1942, to Massasoit Company, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

151,894. **ALRHUSEAL.** ELIXIR RHUBARB ALKALINE WITH PANCREATIN. Registered February 14, 1922. OHIO VALLEY DRUG COMPANY, Wheeling, W. Va., a corporation of West Virginia. Renewed February 14, 1942.

151,898. **TEXTASOTE.** WATERPROOF CLOTH IN THE PIECE. Registered February 14, 1922. THE PANTASOTE LEATHER COMPANY, Passaic, N. J., a corporation of New Jersey. Renewed February 14, 1942.

151,946. **SWP—COVER THE EARTH.** CERTAIN NAMED SOAPS AND LEATHER DRESSINGS AND METAL POLISH. Registered February 14, 1922. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed February 14, 1942.

151,999. **GOLDEN RING.** CAKE. Registered February 14, 1922. WARD BAKING COMPANY, New York, N. Y., a corporation of New York. Renewed February 14, 1942.

152,000. **VITABRED.** BREAD. Registered February 14, 1922. WARD BAKING COMPANY, New York, N. Y., a corporation of New York. Renewed February 14, 1942.

152,002. **"I LULL THE CITY TO SLEEP".** BOX MATTRESSES, COTTON-TOP MATTRESSES, HAIR MATTRESSES, COTTON-FELT MATTRESSES, PILLOWS. Registered February 14, 1922. HERMAN WESSEL. Renewed February 14, 1942, to Wessel Bedding Company, Cincinnati, Ohio, a corporation of Ohio, assignee.

152,131. **CETRULO'S HAIR GROWER** HAIR GROWER. Registered February 21, 1922. JOHN CETRULO, Arlington, N. J. Renewed February 21, 1942, to John Cetrulo, Kearny, N. J.

152,231. **ORTHO TROCHES.** ANÆSTHETICS AND PREPARATIONS FOR ALLEVIATING IRRITATION AND PAIN. Registered February 21, 1922. H. A. METZ LABORATORIES, INC. Renewed February 21, 1942, to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York, by consolidation.

152,232. **PARA TROCHES.** ANÆSTETICS, AND PREPARATIONS FOR ALLEVIATING IRRITATION AND PAIN. Registered February 21, 1922. H. A. METZ LABORATORIES, INC. Renewed February 21, 1942, to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York, by consolidation.

152,233. **ADAMANT.** THREAD GUIDES FOR TEXTILE MACHINERY. Registered February 21, 1922. MITCHELL-BISSELL COMPANY, New York, N. Y. Renewed February 21, 1942, to Mitchell-Bissell Company, Trenton, N. J., a corporation of New Jersey.

152,237. **SUNDOUR.** COTTON PIECE GOODS. Registered February 21, 1922. MORTON SUNDOUR FABRICS LTD., Dentonhill, Carlisle, England, a British company. Renewed February 21, 1942.

152,290. **MOTHER HUBBARD.** BREAD. Registered February 21, 1922. WARD BAKING COMPANY, New York, N. Y., a corporation of New York. Renewed February 21, 1942.

152,291. **VITA-KAKE.** CAKE. Registered February 21, 1922. WARD BAKING COMPANY, New York, N. Y., a corporation of New York. Renewed February 21, 1942.

152,299. **MÉRODE.** CERTAIN NAMED PIECE GOODS AND VEILINGS. Registered February 21, 1922. WINSHIP, BOIT & Co., Wakefield, Mass., and New York, N. Y. Renewed February 21, 1042, to Winship-Boit Company, Wakefield, Mass., a corporation of Massachusetts, assignee.

152,300. **HARVARD MILLS.** CERTAIN NAMED PIECE GOODS AND VEILINGS. Registered February 21, 1922. WINSHIP, BOIT & Co., Wakefield, Mass., and New York, N. Y. Renewed February 21, 1942, to Winship-Boit Company, Wakefield, Mass., a corporation of Massachusetts, assignee.

152,394. **EARLBLOOM.** PIECE GOODS MADE OF COTTON, ARTIFICIAL SILK, AND SILK, AND COMBINATIONS THEREOF. Registered February 28, 1922. N. ERLANGER, BLUMGART & Co., INC., New York, N. Y., a corporation of New York. Renewed February 28, 1942.

152,443. **KING BRONZE.** CERTAIN CASTINGS. Registered February 28, 1922. KINGWELL BROS. Renewed February 28, 1942, to Kingwell Bros., Ltd., San Francisco, Calif., a corporation of California, assignee.

152,446. **JIFFY JUNIOR.** ALL-RUBBER BABY PANTS, ALL-RUBBER WADERS, AND ALL-RUBBER GARMENT PROTECTORS. Registered February 28, 1922. I. B. KLEINERT RUBBER COMPANY, New York, N. Y., a corporation of New York. Renewed February 28, 1942.

152,491. **JUNIORALLS.** CHILDREN'S ONE-PIECE OVERALLS, TWO-PIECE OVERALLS, AND ROMPERS. Registered February 28, 1922. SACKMAN BROTHERS COMPANY, New York, N. Y., a corporation of New York.

152,498. **TUF-FOLD.** ENAMEL PAPER. Registered February 28, 1922. SEAMAN-PATRICK PAPER CO., Detroit, Mich., a corporation of Michigan. Renewed February 28, 1942.

152,515. **ASCOT.** WOOLEN PIECE GOODS. Registered February 28, 1922. S. STEIN & Co., New York, N. Y., a firm. Renewed February 28, 1942.

152,551. **SUPERJUSTABLE.** WRENCHES, TOOL HOLDERS, LATHE DOGS, CLAMPS. Registered February 28, 1922. J. H. WILLIAMS & Co., Brooklyn, N. Y. Renewed February 28, 1942, to J. H. Williams & Co., Buffalo, N. Y., a corporation of New York.

REISSUES

OCTOBER 7, 1941

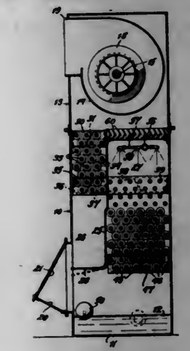
21,917

EVAPORATIVE COOLER

Charles N. Deverall, Buffalo, N. Y., assignor to Niagara Blower Company, New York, N. Y., a corporation of New York

Original No. 2,166,397, dated July 18, 1939, Serial No. 125,471, February 12, 1937. Application for reissue August 2, 1940, Serial No. 349,985

10 Claims. (Cl. 257—37)



2. An evaporative cooler of the character described, comprising a dry precooling coil, means for passing air over said precooling coil, means forming a chamber, means for forcing a current of air through said chamber, a secondary cooling coil in the current of air passing through said chamber, means for discharging water to wash the exterior of said secondary coil, means for conducting the fluid to be cooled in series through said precooling and secondary coils, means below said secondary coil for collecting the water, means for recirculating the collected water through said discharging means and means for adjusting the relative amounts of air passing over said precooling and secondary coils.

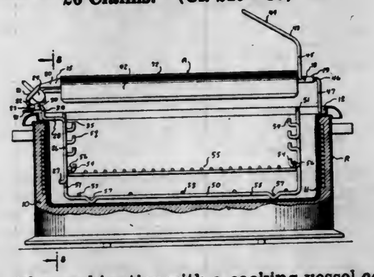
21,918

ELECTRIC BROILING APPLIANCE

Alva T. Smith, Milwaukee, Wis., assignor to National Enameling and Stamping Company, Milwaukee, Wis.

Original No. 2,110,559, dated March 8, 1938, Serial No. 119,842, January 9, 1937. Application for reissue January 8, 1940, Serial No. 313,913

26 Claims. (Cl. 219—35)



19. The combination with a cooking vessel comprising a bottom, side and end walls and having an open top, a supporting structure adapted to be disposed in and removably supported by said vessel and to be inserted through the open top of the receptacle, a heating unit hingedly supported on a part of said structure adjacent the top of said vessel and including a heating element and a heat shield above the heating element, and a tray removably supported on another part of said structure between said bottom wall and said heating element, said heating unit providing radiant heat of sufficient intensity to broil articles of food on said tray.

PLANT PATENTS

GRANTED OCTOBER 7, 1941

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

491

CARNATION

John W. Steidle, Jr., St. Louis County, Mo.

Application May 15, 1941, Serial No. 393,621

1 Claim. (Cl. 47—60)

The new and distinct variety of carnation with qualities in combination herein shown and described, characterized particularly by its heavy growth; its unusually wide, dark foliage; its prolific production of shoots which make it capable of rapid reproduction; its consistency of large flower size even in warm weather; its pure white, evenly formed flowers with intense cinnamon fragrance and remarkable lasting qualities; its long bud which opens slowly and in a distinctive pinwheel formation; and the very heavy substance of its flower petals.

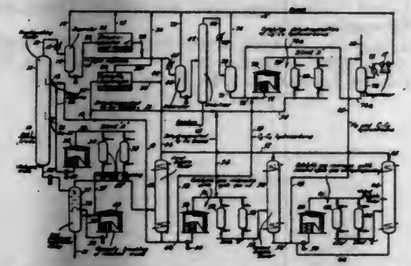
PATENTS

GRANTED OCTOBER 7, 1941

2,257,723
PRODUCTION OF MOTOR FUEL

Maurice H. Arveson, Flossmoor, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application January 26, 1938, Serial No. 187,100
6 Claims. (Cl. 196—9)

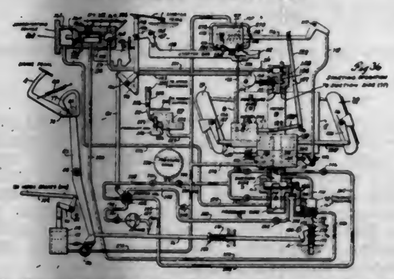


1. The method of converting petroleum oil to high antiknock motor fuel which comprises fractionating said oil into naphtha, virgin gas oil and reduced crude, thermally converting the reduced crude into tar and light products including gas oil, gasoline and gases, catalytically cracking the virgin gas oil, fractionating the products from the catalytic cracking together with the products from the thermal conversion to separate gasoline and gases from a first cycle gas oil, separating hydrogen and methane from said gases to obtain a C_3–C_4 hydrocarbon fraction admixing said C_3–C_4 fraction with said first recycle gas oil, and catalytically converting said mixture to form a second cycle gas oil, and a high antiknock gasoline characterized by branched chain structure.

2,257,724
TRANSMISSION

David S. Bennetch, Sheridan, Pa.

Application September 12, 1936, Serial No. 100,460
16 Claims. (Cl. 60—19)

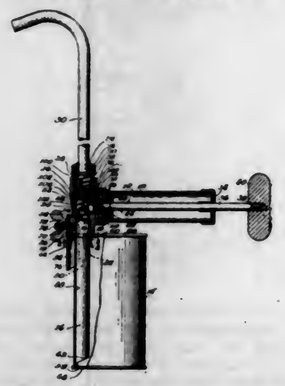


1. In a vehicle, a hydraulic transmission comprising a pump unit, a motor unit driven thereby, means rendering said pump unit inoperative for pumping when coasting forward, a regulating device responsive to pressure generated in the motor unit by coasting forward for permitting liquid circulation through said motor unit during coasting, means preventing circulation through said motor unit when the vehicle tends to coast backward, and means for manually adjusting said regulating device to variably permit circulation through said motor unit to obtain braking effort in forward speed.

2,257,725
LUBRICATING APPARATUS

Ernest W. Davis, Oak Park, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia

Application August 6, 1937, Serial No. 157,641
7 Claims. (Cl. 221—85)



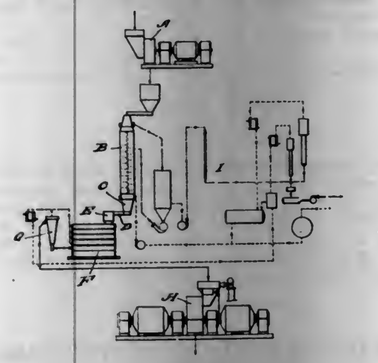
3. A low loss lubricant dispenser for sealed containers comprising a suction tube of comparatively small cross-sectional contour constructed to penetrate and extend to the bottom of a container, a manually operated piston and cylinder of comparatively large displacement, a discharge conduit of comparatively small cross-sectional contour for conveying lubricant from said cylinder to a place of use, a casing supporting said tube, cylinder and conduit in assembled relation and having a restricted chamber in communication therewith, a check valve between said tube and chamber opening towards said chamber, a shoulder between said conduit and chamber facing away from said chamber, a ring valve seat resting upon said shoulder in sealed relationship therewith and supporting said check valve, a second check valve opening away from said chamber and closing against said ring valve seat between said conduit and said chamber, and means for holding said valves and ring valve seat in assembled and operative positions.

2,257,726
PROCESS OF MAKING A FIBROUS MATERIAL FROM WASTE LEATHER

Robert R. Emmitt, Williamsport, and Edward L. Schenck, Muncy, Pa., assignors of one-third to W. Clyde Harer, Williamsport, Pa.

Application October 28, 1937, Serial No. 171,596
2 Claims. (Cl. 83—94)

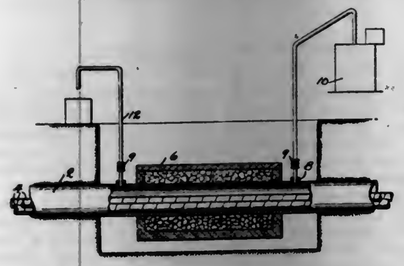
1. The process of making a fibrous material from waste leather without destroying the fibers thereof, which consists in first passing the scrap leather through a grinding machine for mechanically disintegrating the same into small shredded particles, second agitating the mass thus formed in a vat containing a solvent for substantially removing all the grease therefrom including the inherent animal oils, third removing substantially all of the solvent from the degreased mass, fourth passing the mass through a drying apparatus to remove substantially all the moisture therefrom, and finally passing the dried mass through a grinding machine for reducing the size of the fibers to a soft felt-like mass of fibrous material.



2,257,727
METHOD OF FORMING DAMS

Charles E. Bennett, Ridgewood, and Fred C. Meyer, Wyckoff, N. J., assignors to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J., a corporation of New Jersey

Application March 4, 1939, Serial No. 259,778
6 Claims. (Cl. 62—170)



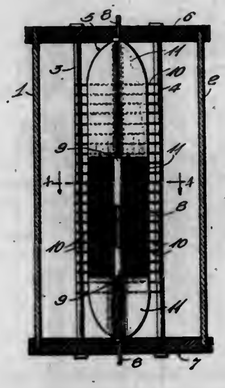
1. The process of forming a dam in a pipe line containing a liquid, which process comprises introducing a compound into the pipe line at the site of the desired dam, the compound having a pour point higher than that of the liquid, and freezing the mixture of liquid and compound in situ.

2,257,728
RECTIFIER

Willard H. Bennett, Newark, Ohio, assignor to Slayter Electronic Corporation, a corporation of Ohio

Application April 5, 1939, Serial No. 266,211
20 Claims. (Cl. 175—363)

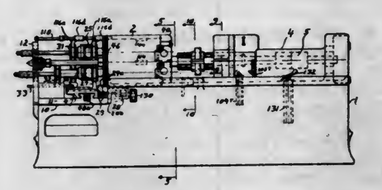
1. A rectifier comprising an alternating current input circuit, a direct current output circuit, and an electrode assembly interposed between said circuits which includes a double ended emitting electrode and a pair of coacting target electrodes, and a capacitive connection between said input circuit and said emitting electrode.



2,257,729
AUTOMATIC LATHE

Cyrus Milburn Bosworth, Rochester, N. Y.

Application December 13, 1934, Serial No. 757,316
Renewed June 25, 1940
32 Claims. (Cl. 29—37)



1. In a metal working machine comprising a bed and a rotatable work carrying cylinder including work holding means, the combination of fluid means for indexing said cylinder, a means for feeding work to said cylinder connected and movable with said indexing means, and a fluid means for operating said holding means, said plurality of fluid means being actuated by a common fluid system.

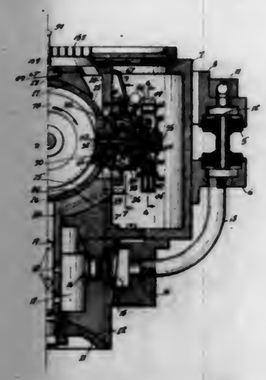
2,257,730
AIR BORNE GYROCOMPASS

Frederick D. Braddon, Babylon, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York

Application April 26, 1940, Serial No. 331,760
10 Claims. (Cl. 33—226)

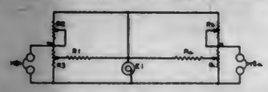
1. In air spun gyroscopic apparatus, a supporting ring for the gyroscope, a universal mounting for said ring including a gimbal ring, hollow pivots for leading air into said gimbal ring and from said gimbal ring to said inner

ring, and rubber shock mountings for supporting said compass from said inner ring, at least one



of said mountings being hollow to pass air from said inner ring into said compass.

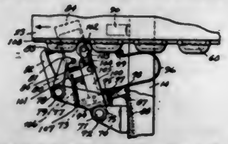
2,257,731
VOLUME CONTROL FOR RADIO AND INTERPHONE CIRCUIT
James C. Coe, Arlington, Va.
Application November 2, 1940, Serial No. 363,982
22 Claims. (Cl. 179—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



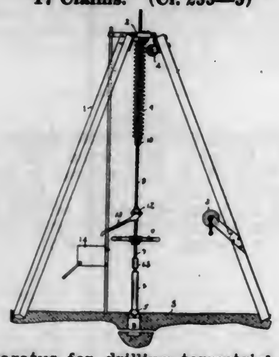
1. In the output circuit of an aircraft radio receiving apparatus or the like, the combination which includes, a pair of output terminals, a plurality of sound reproducing devices connected thereto, means for varying the volume of at least one sound reproducing device from a maximum to a minimum without causing a variation in the impedance across said output terminals of an amount greater than the ratio of one to three, said means comprising fixed and variable impedance elements, one of said variable impedance elements being connected in series with the sound reproducing device, a second variable impedance element forming a shunt path across the said output terminals and a fixed impedance being connected in series with said variable shunt impedance so that in one extreme position the fixed resistor element will alone form a shunt path across said terminals.

2,257,732
SAFETY STOP MECHANISM FOR AUTOMATIC MOLDING MACHINES
Lancaster P. Clark, Jr., Fairfield, Conn.
Application June 24, 1939, Serial No. 281,005
7 Claims. (Cl. 18—16)

1. In an automatic molding machine including a mold part having movement from pressing to ejecting position to carry molded articles formed thereon and return movement from ejecting to pressing position, safety stop mechanism including article contacting means disposed in contiguous relation to the path of movement of said mold part, means actuated by said contacting means to interrupt the operation of the machine, said article contacting means including a contact part operatively actuated by the mold part when an article is missing from said mold part during movement from pressing to ejecting position, and a second contact part operatively actuated by the mold part when an article is present on said mold part during movement from ejecting to pressing position, and means actuated through the movement of said mold part in one or the other directions to render one of said contact parts inoperative while the other contact part is operative.



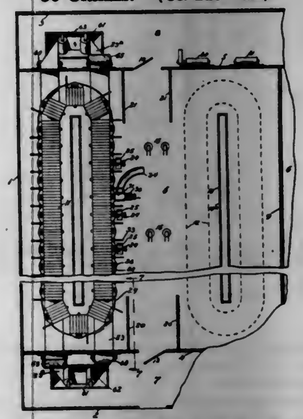
2,257,733
APPARATUS FOR DRILLING TERRESTRIAL BORES
William R. Coleman, Birmingham, Ala.
Application October 29, 1938, Serial No. 237,769
17 Claims. (Cl. 255—5)



1. Apparatus for drilling terrestrial bores including two cylinders supported one above the other in axial alignment, a plunger reciprocable in said cylinders, a tubular drill-rod connected to the lower end of said plunger, a tool-carrier connected to the lower end of said drill-rod, a drill secured to the lower end of said tool-carrier, said tool-carrier comprising two tubular members telescopically movable and forming a vertically extensible and contractible pump chamber communicating with the bore of said tubular drill-rod, resilient means arranged between said telescopic members, and a valve-controlled inlet opening from the lower end of said pump chamber through said drill; a piston secured on said plunger in the lower of said two cylinders, a body of gas confined in said last cylinder beneath said piston, and providing a compressible and expansible medium adapted to sustain the weight of the assembled plunger, drill-rod, tool-carrier and drill, means for injecting gas into such body of gas, means for regulating the effective length of the cylinder including such body of gas; a power piston secured on said plunger in the upper of said cylinders, said power piston being reciprocable in said upper cylinder for axially vibrating the assembled plunger, drill-rod, tool-carrier and drill sustained by said confined body of gas, and means organized with said cylinders for

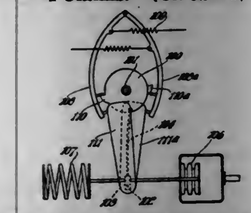
yieldingly resisting the movement of said plunger beyond the limits of the range of vibration normally effected by said power piston.

2,257,734
HUSBANDRY SYSTEM
Fay D. Cornell, Pasadena, Calif., assignor to Austin O. Martin and Elmer Hoffman, both of Los Angeles, Calif.
Application August 5, 1935, Serial No. 34,680
36 Claims. (Cl. 119—21)



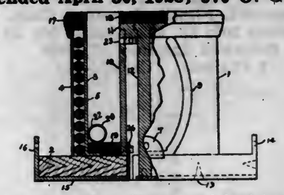
1. In a husbandry system, in combination, means for creating light and dark zones, supply stations in the light zones, endless series of means for continuously carrying birds to be supplied from such stations past the stations and through said darkened zones, and means within the light zones actuated by an egg in one of the carrying means for obtaining a permanent record that an egg has been laid in that carrying means as it passes a given point of travel.

2,257,735
ABSORPTION REFRIGERATING SYSTEM
Nils Erland af Kleen, London, England
Application January 20, 1938, Serial No. 185,978
In Great Britain January 22, 1937
4 Claims. (Cl. 62—5)



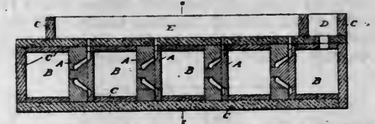
1. In absorption refrigerating apparatus of the intermittent type, including at least two generator-absorbers, means for heating said generator-absorbers, and means for selectively switching said heating means from one generator-absorber to the other; a unitary snap-action thermostatic device for actuating said switching means, comprising a member operatively connected to said switching means and movable between two operating positions, spring means cooperating with said movable member to move the latter from one operating position to the other, and vice versa, detent means for holding said member in its respective operating positions, a pair of temperature-responsive elements in thermal contact with respective generator-absorbers and adapted to load said spring means alternately in opposite directions, and separate means operable by respective temperature-responsive elements for releasing said detent means when the temperature in the generator-absorber being heated reaches a predetermined maximum, whereby said member is quickly moved from one operating position to the other by said spring means.

2,257,736
MAGNETIC INSPECTION UNIT
Norman K. Ferrier, Valley City, Ohio
Application January 2, 1940, Serial No. 312,172
7 Claims. (Cl. 175—183)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. Means for subjecting an object to that process of magnetic inspection which involves flooding the surface of said object with a fluid containing paramagnetic particles while maintaining a magnetic field in said object, said means comprising a container for said fluid, said container being of sufficient size to contain a substantial portion of said object, means for filling said container with inspection fluid comprising means for directing fluid upwardly and uniformly over the inner surface of the side walls of said container and means associated with said container for producing within it a magnetic field of the circular type and a magnetic field of the bi-polar type.

2,257,737
METHOD OF PRODUCING CAST REFRACTORY AND SIMILAR ARTICLES
Theodore E. Field, Louisville, Ky., assignor to Corhart Refractories Company, Louisville, Ky., a corporation of Delaware
Application April 29, 1939, Serial No. 270,810
4 Claims. (Cl. 49—79)

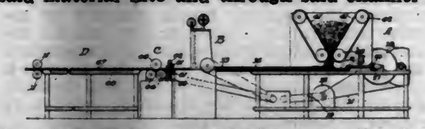


1. The method of producing cast refractory and similar articles which comprises preheating a thermally conducting mold by partially surrounding it with molten material of high melting point and subsequently pouring the desired casting into the mold so heated and permitting the article to solidify while the mold is surrounded by the said material.

2,257,738
COMPACTING APPARATUS AND METHOD
Albert C. Fischer, Chicago, Ill.
Application May 18, 1936, Serial No. 80,465
3 Claims. (Cl. 154—1)

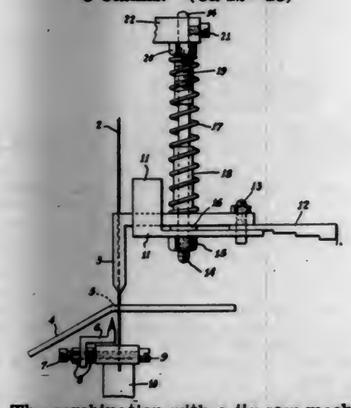
1. Apparatus for forming products of definite

shape from a suitable elongate fibrous raw material, including a compacting unit having a channel and a reciprocating plunger for forcing said material into and through said channel in



its substantially original alignment, the front end of said plunger being of reduced cross section to cup and nest successive charges of the material in a direction transverse to said alignment.

2,257,739
SOLE TRIMMING AND CHANNELING MACHINE
Charles L. Flindt, San Jose, Calif.
Application July 23, 1936, Serial No. 92,170
Renewed January 17, 1940
8 Claims. (Cl. 12—18)

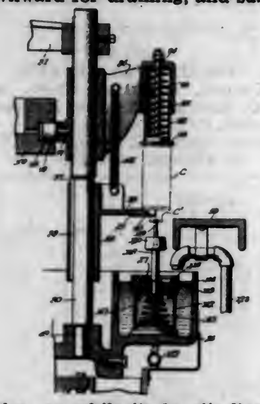


1. The combination with a jig saw mechanism, of a blade with a sharpened edge extending along one edge of its length, means for attaching one end of the said blade to the said mechanism, means for supporting the sole of a shoe positioned to enable the said edge of the blade to be drawn against the edge of the said sole and thereby trim the same, means for holding the said sole on its support, means intermittently lifting the sole from its support to enable easier hand feeding of the work against the said blade, and means for protecting the upper of the shoe from possible injury caused by the cutting edge of the blade.

2,257,740
METHOD AND APPARATUS FOR COATING ARTICLES
George Goebel and Harry A. Rau, Baltimore, Md., assignors to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application July 2, 1937, Serial No. 151,758
14 Claims. (Cl. 91—55)

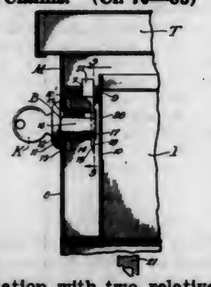
5. The combination in a coating apparatus, of a container for coating, a piston member including a coating projecting nozzle reciprocable with respect to said container, and article supporting means to move the article into a position to surround the piston nozzle and actuate the piston to force coating from said container and through said nozzle upon the article.

10. A method of coating a can comprising applying coating to the interior of the can through an opening therein, supporting the can with the opening downward for draining, and subsequent-



ly moving the can while its longitudinal axis is in a substantially horizontal plane for drying of the coating.

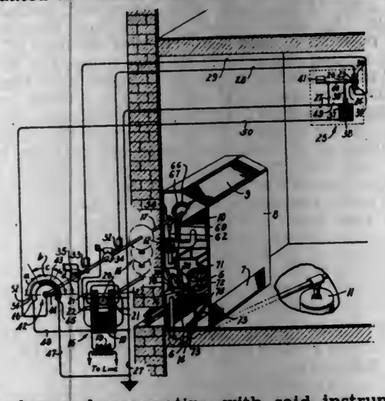
2,257,741
LOCK
Rollin Lester Gray, Chicago, Ill., assignor to The Illinois Lock Company, Chicago, Ill., a corporation of Illinois
Application January 25, 1940, Serial No. 315,559
4 Claims. (Cl. 70—85)



1. A combination with two relatively movable structures one of which has a keeper, a lock comprising a barrel adapted for fixed attachment to the other structure and provided with a plug rotatable in response to operation of a proper key, there being a guide-way immovable with respect to the barrel extending transversely of the plug at one end thereof and substantially opposite the keeper, a bolt movable to engage or disengage the keeper and provided with a shank adapted for sliding movements within the guide-way, and means spring actuated to extend eccentrically from the plug end in sliding engagement with the shank adapted to establish a pivotal locking connection between the plug and bolt in a manner whereby the bolt is caused to advance toward or recede from the keeper in response to rotation of the plug consequent upon operation of a proper key.

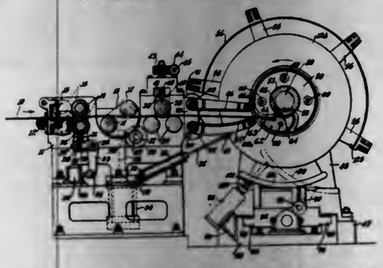
2,257,742
AUTOMATIC CONTROL SYSTEM
Theodore K. Greenlee, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application December 19, 1938, Serial No. 246,652
11 Claims. (Cl. 236—74)

6. A condition control system having, in combination, a condition controlling member, a reversible power operator therefor, a condition responsive instrument having an element movable in opposite directions with changes in a condition to be controlled and controlling said operator to initiate movement of said member selectively in one direction or the other, means actuated in unison with the movements of said



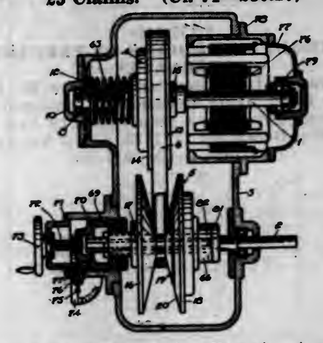
member and cooperating with said instrument to cause the member to follow progressively the condition changes detected by said instrument within a predetermined condition range, and means responsive to the movement of said member and operating when the condition varies beyond one end of said range to cause movement of the member uninterruptedly through a predetermined distance.

2,257,743
RECOILER FOR METAL STRIPS
Agnes J. Reeves Greer, Morgantown, W. Va.
Application September 16, 1938, Serial No. 230,304
6 Claims. (Cl. 242—78)



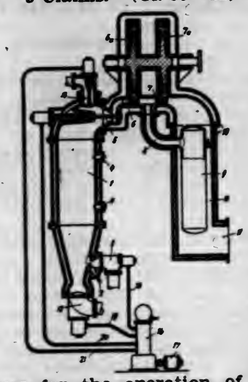
1. A recoiler for coiling a strip of metal and separating the convolutions of the coil, comprising a bearing, a shaft journaled at one end in the bearing, a drum mounted upon the shaft for clamping one end of a metal strip, means for rotating the drum in one direction for coiling the strip thereon, means operated by the rotation of the drum in said one direction for operating the clamping means, a housing surrounding the journaled end of the drum and fixed to said bearing, a plurality of radial spokes fixed to the housing and extending outward from the drum, a semi-cylindric guard plate carried by the spokes and spaced outwardly from the drum, means for rotating the drum in the opposite direction to separate the convolutions of the coil, and a hooked stop at one end of the guard plate for engaging and holding the outer end of the coil from movement when the drum is rotated in said opposite direction.

2,257,744
VARIABLE SPEED TRANSMISSION DEVICE
Don Heyer, Los Angeles, Calif., assignor to U. S. Electrical Motors, Inc., a corporation of California
Application September 2, 1932, Serial No. 631,533
25 Claims. (Cl. 74—230.17)



1. In a variable speed pulley structure having a shaft, a pair of relatively adjustable sections on said shaft, with opposed inclined faces, forming by adjustment, variable effective pulley diameters, one of said sections being axially fixed to the shaft, the combination therewith of means for axially adjusting the other section, said means comprising a slidable member extending through the axially fixed section and connected to the other section, and a bearing support for the shaft mounted on said slidable member on the opposite side of the fixed section with respect to the adjustable section.

2,257,745
EXPLOSION TURBINE AND METHOD OF OPERATING SAME
Hans Holzwarth, Dusseldorf, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif., a corporation of Delaware
Application January 21, 1939, Serial No. 252,233
In Germany January 24, 1938
9 Claims. (Cl. 60—41)



1. Process for the operation of multi-stage explosion turbines whose pressure drop is divided into a portion having pressure fluctuations and a

portion which is entirely or approximately equalized as to pressure, comprising subjecting the space serving for the pressure equalization between the explosion turbine stage and a continuous stage to the influence of an external body of gas of a temperature of the order of the average temperature of the gases filling the equalizing space, whereby the pressure equalization occurs with reduction or elimination of the outflow of heat from the gases whose pressure is to be equalized.

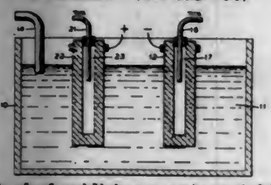
2,257,746

ELECTROLYTIC PROCESS OF PREPARING ARSENATES

Milton Janes, Lakewood, and George W. Heise, Rocky River, Ohio, assignors to National Carbon Company, Inc., a corporation of New York

Application December 17, 1938, Serial No. 246,280

7 Claims. (Cl. 204—86)



1. Method of oxidizing a water soluble arsenite to the corresponding arsenate which comprises passing an electric current through an aqueous electrolyte, containing said arsenite, between a cathode and a porous anode, whereby the arsenite is oxidized to arsenate at said anode, and promptly withdrawing through the pores of said anode anolyte containing said arsenate.

7. Method of oxidizing a water soluble arsenite to the corresponding arsenate which comprises passing an electrolyte containing said arsenite through a porous anode of an electrolytic cell containing said anode and an air depolarizable porous carbon cathode, passing air through the porous carbon cathode into the cell in an amount sufficient to depolarize the cathode, and passing an electric current through said anode and cathode.

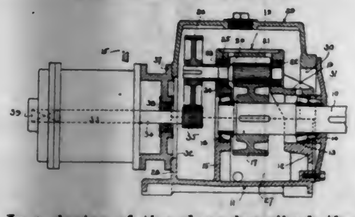
2,257,747

GEAR SPEED REDUCER AND THE LIKE

Warren G. Jones, Jr., River Forest, Ill.

Application September 5, 1940, Serial No. 355,451

9 Claims. (Cl. 74—421)



1. In a device of the class described, the combination of a base section having a pair of upwardly extending stands, "low" speed shaft journals in said stands, a "low" speed shaft journalled in said journals, semi-housing walls in conjunction with said base section to provide an oil pan substantially to the elevation of the journals aforesaid, a removable frame section above said stands, means to secure said removable frame section rigidly with respect to said stands, a back shaft journalled in said removable frame section, a gear on the "low" speed shaft, a gear and a pinion on the back shaft, said pinion meshing with the gear of the "low" speed shaft, there being a semi-circular upwardly concave opening in the end semi-wall of the base section concentric with the axis of the "low" speed shaft, a driving motor unit having suitable shaft bearings, a pinion on the motor shaft meshing with the gear of the back shaft aforesaid, means to secure the motor rigidly to the base section at the position of said semi-circular opening of the base section end wall to thereby secure the motor and motor pinion in driving position with respect to the back shaft, together with a suitable cover element removably connected to the base section and having a semi-circular downwardly concave opening at one end serving in conjunction with the end wall of the base section to receive and support the motor at that location, whereby when said cover element is removed the motor element and gear train elements are retained in operative relationship with respect to each other, substantially as described.

2,257,748

PROCESS FOR THE PRODUCTION OF UNSATURATED COMPOUNDS FROM A HEXOSE

William F. Koch, Detroit, Mich.

No Drawing. Application April 16, 1938, Serial No. 202,469

8 Claims. (Cl. 260—528)

5. The process which comprises mixing a hexose with a strong mineral acid and iodine as a catalyst, allowing the mixture to stand until the hexose is fully dissolved, then heating the mixture while agitating the same until it reaches a deep burgundy color.

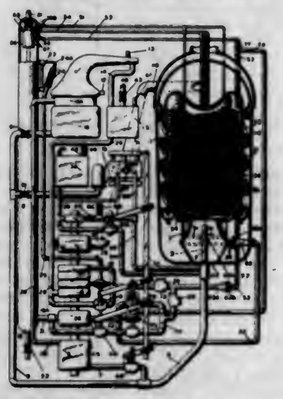
2,257,749

HIGH SPEED STEAM POWER PLANT AND METHOD OF OPERATING SAID POWER PLANT

Walter Douglas La Mont, North Colebrook, Conn., assignor to W. D. La Mont Inc., Wilmington, Del., a corporation of Delaware

Original application October 16, 1933, Serial No. 693,714. Divided and this application June 5, 1934, Serial No. 729,162

10 Claims. (Cl. 122—451.1)



1. The method of protecting an economizer in a steam generator embodying steam generating tubes and an economizer with forced recirculation of steam in the steam generator tubes, by connecting the forced recirculation system to the economizer in response to thermal conditions at the outlet end of the economizer.

2,257,750

LUBRICATING OIL

Bert H. Lincoln and Gordon D. Byrkit, Ponca City, Okla., assignors to Continental Oil Company, Ponca City, Okla., a corporation of Delaware

No Drawing. Application May 24, 1939, Serial No. 275,488

6 Claims. (Cl. 252—48)

1. A lubricant comprising in combination a major proportion of an oil of lubricating viscosity and a minor proportion of an organo-metallic salt of a sulfur-bearing organic acid.

2,257,751

LUBRICATING OIL

Bert H. Lincoln and Gordon D. Byrkit, Ponca City, Okla., assignors to Continental Oil Company, Ponca City, Okla., a corporation of Delaware

No Drawing. Application July 5, 1940, Serial No. 344,112

3 Claims. (Cl. 252—35)

1. A lubricant comprising in combination a major proportion of an oil of lubricating viscosity and a minor proportion of a tin salt of a sulphurized carboxylic acid, said carboxylic acid sulphurized by treatment with sulphur chloride.

2,257,752

LUBRICATING OIL

Bert H. Lincoln and Gordon D. Byrkit, Ponca City, Okla., assignors to Continental Oil Company, Ponca City, Okla., a corporation of Delaware

No Drawing. Application July 5, 1940, Serial No. 344,113

4 Claims. (Cl. 252—34)

1. A lubricant comprising in combination a major proportion of an oil of lubricating viscosity and a minor proportion of a salt of a quaternary ammonium base and a sulfur-bearing organic acid.

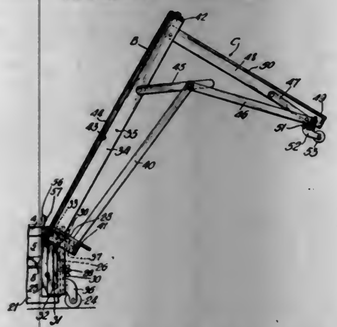
2,257,753

COUCH

Joseph Martin, Laurelton, N. Y., assignor to United States Cabinet Bed Co., Brooklyn, N. Y., a corporation of New York

Application December 10, 1938, Serial No. 244,910

13 Claims. (Cl. 5—38)



1. The combination of a bracket having a vertically extending slot, an upwardly extending limiting stop, a first bed section having a pivot pin slidably mounted in the slot of said bracket, a second bed section pivotally connected to said first bed section, a pair of short legs pivotally connected to said second bed section, a pair of legs pivotally connected to the first bed section, one pair of links pivotally connecting the short legs of said second bed section with the legs of said first bed section, a second pair of links pivotally connecting the legs of said first bed section with said bracket, said bracket serving as a support for the adjacent end of said first bed section in horizontal position, the bed sections being foldable into erect position with said pivot pin removed from the upper end of said slot and said limiting stop and support anchoring said folded sections in erect position.

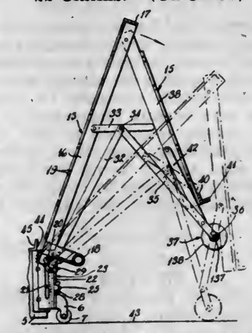
2,257,754

COUCH

Joseph Martin, Laurelton, N. Y., assignor to United States Cabinet Bed Co., Brooklyn, N. Y., a corporation of New York

Application June 23, 1939, Serial No. 280,746

22 Claims. (Cl. 5—37)



6. The combination of a seat section having a support with upwardly extending slots therein, an interchangeable back and bed section including an intermediate bed section and an outer bed section foldable at one time into erect position in back formation and extensible at another time into horizontal bed formation, pivot pins slidably mounted in said slots formed along one of the ends of said intermediate bed section, the other ends of said intermediate bed section being pivotally connected to one of the ends of said outer bed section, and means including leg bars pivotally connected to said bed sections for limiting outward movement of said outer bed section from said intermediate bed section when moving from back formation into bed formation before raising the pins of said intermediate bed section in said slots into position to enable said intermediate and outer bed sections automatically to descend into bed formation in which first mentioned position the intermediate and outer bed sections still assume an acute angle to one another.

2,257,755

HEATER FOR INTERNAL COMBUSTION ENGINE COOLING WATER

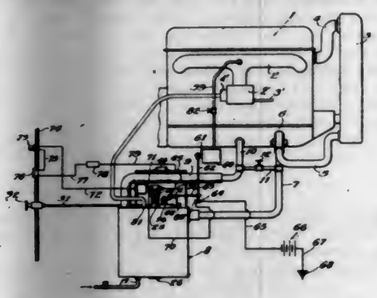
Salvatore Morici and Pasqual P. Belvedere, Chicago, Ill.

Application February 9, 1939, Serial No. 255,392

10 Claims. (Cl. 123—174)

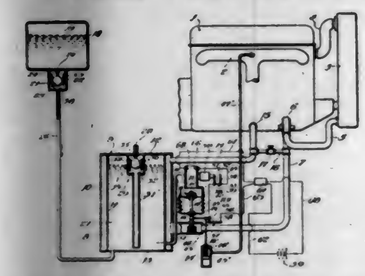
8. A heater for the cooling water of an internal

combustion engine which comprises in combination, a container for a relatively volatile combustible fuel, a container for engine cooling water in heat interchange relationship with said fuel container whereby a portion of said fuel is vaporized, connections into said water container from the internal combustion engine cooling system, a burner disposed in heating relation to the water of the cooling system, said burner being in communication with said fuel container



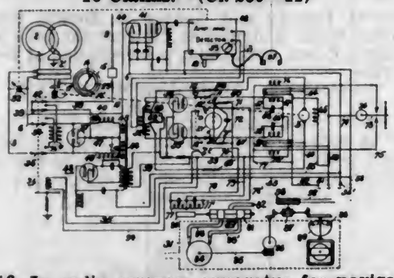
whereby gaseous fuel passes from the fuel container to the burner, spark contacts positioned adjacent said burner, an electrical circuit for said spark contacts, a switch for closing said electrical circuit of said spark contacts to cause spark there across, and means responsive to the vacuum in the intake manifold of the engine for closing communication from the fuel container to the burner, said switch being actuated by said vacuum responsive means to close the circuit of the spark contacts when the vacuum is broken.

2,257,756
HEATER
Salvatore Morici, Pasqual P. Belvedere, and Edwin Blom, Chicago, Ill.
Application October 7, 1940, Serial No. 360,142
9 Claims. (Cl. 123—174)



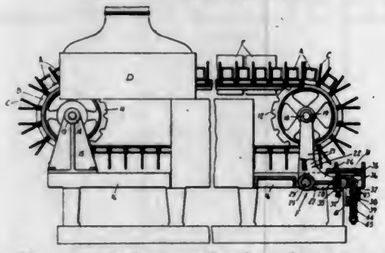
1. A heater for the cooling water of an internal combustion engine which comprises in combination, a tank for carrying a bulk supply of liquid fuel, a pressure container for carrying liquid fuel, means for passing liquid fuel from said tank to said container, means carried by said pressure container for subjecting said liquid fuel in said container to superatmospheric pressure, a fuel burner in heating relationship with the cooling water of an internal combustion engine, means for passing liquid fuel under superatmospheric pressure from said container to the burner, means responsive to the temperature of the cooling water for controlling the passage of fuel to said burner.

2,257,757
RADIO COMPASS NAVIGATION APPARATUS
Francis L. Moseley, Yonkers, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application October 22, 1937, Serial No. 170,308
16 Claims. (Cl. 250—11)



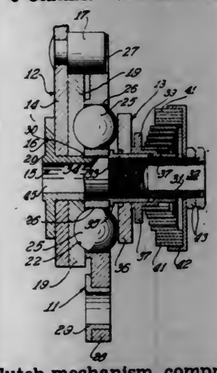
16. In radio compass apparatus for navigable craft, a non-directional antenna, a directional antenna in the form of a center-tapped loop, means for positioning said directional antenna with respect to the direction of reception of a radio wave from a remote transmitter including, a reversible motor having a motor winding, a circuit receiving the output of said two antennae, a source of low frequency A. C. connected thereto, electron switching means controlled by said low frequency A. C. for alternately connecting the two halves of said loop to said circuit, an amplifier-detector receiving the output of said circuit and biased by said low frequency A. C., for obtaining a signal reversing in phase as said loop passes through its null position and which varies at said low frequency, grid controlled rectifier means electrically coupled to said motor winding, and means employing said reversible phase and variable signal for controlling said grid controlled rectifier means to produce a graduated control of the output of said grid controlled rectifier means to effect continuous and instant response of the motor to the direction of propagation of the received radio waves.

2,257,758
CHAIN TIGHTENER DEVICE
John H. Murch, East Orange, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application June 15, 1939, Serial No. 279,355
2 Claims. (Cl. 198—208)



1. In a conveying mechanism for advancing articles through a heat treating machine, including a frame having means mounted thereon for supporting spaced sprockets at the front and rear thereof and an endless chain conveyor passing over said sprockets for carrying articles in processional order through the machine, said chain being subject to change in overall dimension due to temperature variations, the combination of conveyor tightener devices including a rigid bell crank lever pivotally mounted on said frame and in which one of said sprockets is journaled, an arm of said lever extending away from said chain, spring means carried by the end of said arm and bearing against said frame thereby tending to rock the lever and its supported sprocket outwardly and maintain the chain taut, means disposed between said spring means and the outer end of said lever arm and engageable with said frame to limit expansion of said chain, and means disposed inwardly of the outer end of said lever arm and engageable therewith and with said frame to limit contraction of said chain, whereby the overall of dimension of said conveyor chain is controlled and maintained within predetermined limits.

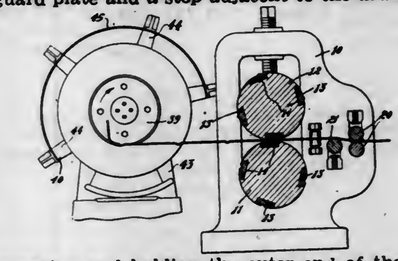
2,257,759
CLUTCH MECHANISM
Frederick A. Niemann, Chicago, Ill., assignor to Felt & Tarrant Mfg. Co., Chicago, Ill., a corporation of Illinois
Application March 11, 1939, Serial No. 261,292
6 Claims. (Cl. 192—56)



1. Slip clutch mechanism, comprising a driving member mounted for oscillating movement, a driven member mounted for oscillating movement, and connections therebetween to permit limited movement by said driving member of said driving member relative to said driven member, including balls disposed within associated recesses in said members, and a volute spring so constructed and arranged as to exert a substantially constant pressure within its working range in an axial direction to resiliently restrain said balls against movement relative to said recesses in a direction normal to the planes of movement of said members.

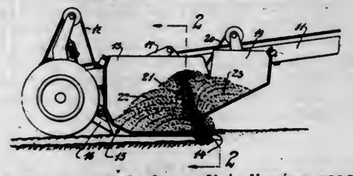
2,257,760
FORMATION OF METAL COILS
Stone Nyberg, Dover, Ohio, assignor to Agnes J. Reeves Greer, Morgantown, W. Va.
Application July 12, 1939, Serial No. 284,058
5 Claims. (Cl. 153—7)

1. Means for forming a coil of metal and separating the convolutions of the coil, comprising a pair of cooperating rolls, projections on one roll and corresponding depressions in the other roll, means for passing a metal strip through said rolls so as to form projections thereon, a drum located beyond said rolls and having means for receiving the leading end of the metal strip, means for rotating the drum in one direction for coiling the metal thereon to form a coil the convolutions of which have spaced projections therein, means for rotating the drum in the opposite direction and means comprising a concentric guard plate and a stop adjacent to the drum for



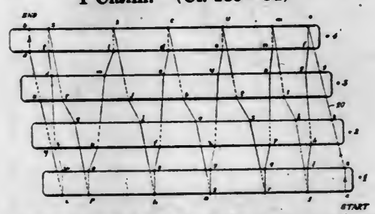
engaging and holding the outer end of the coil against movement and producing relative movement between adjacent convolutions of coil to separate the convolutions so that the projections of adjacent convolutions will be spaced from each other.

2,257,761
WHEELED SCRAPER
Thomas R. Paulsen, South Milwaukee, Wis., assignor to Bucyrus-Erie Company, South Milwaukee, Wis., a corporation of Delaware
Application February 13, 1939, Serial No. 256,089
11 Claims. (Cl. 37—124)



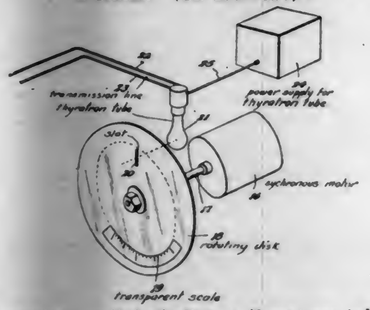
6. A digging blade for a dirt-digging scoop, being long and narrow, and being curved about an axis parallel to its shortest dimension, and also being curved in its sections cut by planes parallel to that axis, its long edges lying in planes perpendicular to that axis.

2,257,762
PANEL AND JOIST
Nathan L. Paves, Detroit, Mich.
Application February 17, 1940, Serial No. 319,395
1 Claim. (Cl. 189—34)



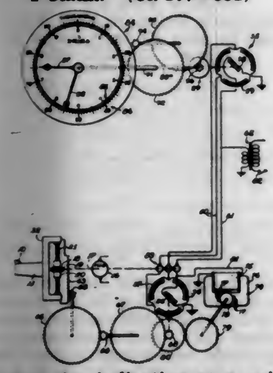
A unitary prefabricated floor or roof panel comprising horizontal joists in the form of trusses of rod or bar stock only laid edgewise, parallel and spaced apart, and transversely arranged means integrally connecting them, and comprising a continuous diagonal bracing arrangement of wire, running from the end of one outside joist to the opposite end of the other outside joist, over and under the joists alternately, back and forth in several courses, and out of perpendicular to the joists.

2,257,763
REMOTE METERING AND POSITION INDICATOR
Gustav E. Petterson, Hillside, N. J.
Application June 22, 1936, Serial No. 86,665
1 Claim. (Cl. 177—327)



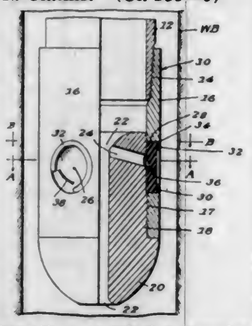
A receiver unit including a thyratron tube, a power supply therefor, said thyratron tube having a grid, an anode and a cathode, means connecting the anode and grid with an impulse source, a disk disposed adjacent the thyratron tube and having a radially disposed slot and an arcuate scale, said scale having a center line disposed diametrically opposite the longitudinal axis of the slot, the radius of a point on the slot being the same as that of a point on the scale, and a motor for rotating the disk, said thyratron being discharged by impulses from the impulse source for creating flashes of light visible through the slot and scale during rotation of the disk by the motor, the relative positions of the slot on the scale indicating current magnitude at a remote point.

2,257,764
INDICATING MECHANISM
William F. Ridgway, Rockford, Ill., assignor to The Ingersoll Milling Machine Company, Rockford, Ill., a corporation of Illinois
Original application July 23, 1937, Serial No. 155,209, now Patent No. 2,196,231, dated April 9, 1940. Divided and this application October 30, 1939, Serial No. 301,882
1 Claim. (Cl. 177—351)



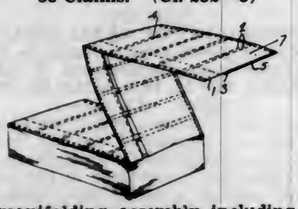
In a system for indicating at a point remote from the element the movements of a movable element in very small increments such as thousandths of a primary unit of linear measure but on a scale on which said increments are of readily discernible size, the combination of a rotary indicator, a combined mechanical and electrical motion transmitting connection between said element and said indicator comprising a self-synchronous electrical transmitter having relatively rotatable inductively related primary and secondary members, a similar self-synchronous receiver electrically interconnected with said transmitter for rotation of its rotatable member in unison with the rotatable member of the transmitting device, means for directly connecting the rotatable member of said receiver in driving relation with said indicator, and mechanism for amplifying the motion of said movable element and applying the same to the rotatable member of said transmitter whereby said movable members revolve at a higher speed than any other elements of the system.

2,257,765
CEMENTING DEVICE FOR WELL CASINGS
Domer Scaramucci, Oklahoma City, Okla., assignor to Oil Equipment Engineering Corporation, Oklahoma City, Okla., a corporation of Oklahoma
Application September 30, 1939, Serial No. 297,387
12 Claims. (Cl. 166—9)



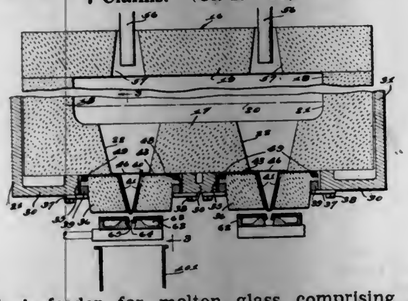
1. In combination, a tubular member adapted to be connected to the end of a well casing section, said tubular member having a side opening; and a resilient valve member retained in alignment with the side opening, said valve member having a normally closed slit therethrough arranged to open in response to fluid pressure on its inner side.

2,257,766
SERIES CONNECTED ENVELOPE AND CHECK
John Q. Sherman, Dayton, Ohio; Katherine M. Sherman, William C. Sherman, and Wellmore B. Turner executors of said John Q. Sherman, deceased
Application April 2, 1936, Serial No. 72,399
Renewed March 1, 1940
38 Claims. (Cl. 282—3)



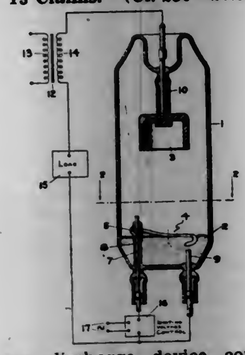
1. A manifolding assembly including a continuous strip of series connected detachable stationery portions, a pocket formed on the under side of each portion, an individual duplicate record portion and an interposed stratum of transfer material in said pocket by which indicia inscribed upon the face of said detachable portion of said strip will be reproduced upon the duplicate record portion within the pocket.

2,257,767
APPARATUS FOR THE MANUFACTURE OF GLASS FIBERS
Games Slayter and John H. Thomas, Newark, Ohio, assignors, by mesne assignments, to Owens-Corning Fiberglas Corporation, a corporation of Delaware
Application March 10, 1938, Serial No. 195,066
7 Claims. (Cl. 49—55)



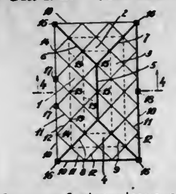
1. A feeder for molten glass comprising a downwardly converging trough terminating at the lower end in a bottom portion formed with a plurality of channels or passageways extending therethrough and terminating in closely adjacent outlet orifices, the inner contours of said outlets being rounded to provide streamline flow of glass therethrough and said channels consisting of a material which is wetted by the glass flowing therethrough, said material presenting exterior surface portions bridging the spaces between said outlets, and said bottom portion having indentations between the individual outlet surfaces for preventing the adjacent streams of glass which are flowing through said outlets from bridging or flowing over said surface portions from one outlet orifice to another and causing the streams to coalesce.

2,257,768
ARC STARTING DEVICE
Percy L. Spencer, West Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application March 2, 1939, Serial No. 259,355
13 Claims. (Cl. 250—27.5)



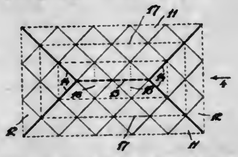
1. An arc discharge device comprising an anode, a liquid pool cathode, and an elongated flexible igniting electrode structure of the electrostatic type comprising a conductor provided with an insulating wall contacting the surface of said pool, said structure being sufficiently flexible to move under the action of electrostatic forces exerted by an arc igniting voltage between said pool and said electrode to a sufficient extent to cause a flow of the liquid of said pool which carries impurities away from said insulating wall.

2,257,769
ROOF STRUCTURE
Steven Szegö, Detroit, Mich., assignor to American Diagrid Corporation, Dover, Del.
Application September 16, 1940, Serial No. 356,947
In Switzerland June 14, 1940
20 Claims. (Cl. 108—1)



1. Rectangular roof structure consisting of two pairs of oppositely disposed roof planes intersecting each other and forming thereby sloping roof hips and a roof ridge, said roof structure comprising a spatial beam grid formed by two groups of parallel beams and being arranged within rectangular roof edges, each of said beams being diagonal to one of said roof edges, being continuous between said roof edges, and being cranked at its intersection point with one of said roof hips or said roof ridge, the beams of one beam group being arranged intersecting the beams of the other beam group, and means securing said intersecting beams at said intersecting points to each other.

2,257,770
BEAM GRID
Steven Szegö, Detroit, Mich., assignor to American Diagrid Corporation, Dover, Del.
Application November 30, 1940, Serial No. 368,014
In Switzerland January 5, 1940
19 Claims. (Cl. 108—1)

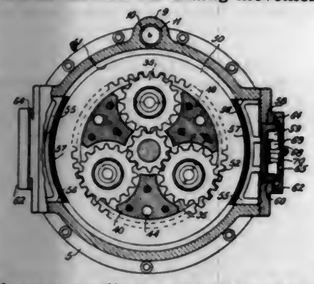


1. Beam grid for roof and floor structures comprising two groups of beams, the beams of one beam group being arranged intersecting the beams of the other beam group at a series of grid nodes, and means movably connecting said beams at said grid nodes to each other, thereby enabling variation of the angle of intersection of said beams in their mutual plane and folding of the entire beam grid, if required.

2,257,771
BRAKE
Larkin R. Williamson, Brooklyn, N. Y., assignor to E. W. Bliss Company, Brooklyn, N. Y., a corporation of Delaware
Application February 2, 1939, Serial No. 254,274
3 Claims. (Cl. 188—151)

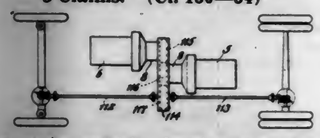
1. In a driving mechanism, the combination of a housing, a rotatable member therein provided with a friction surface, said housing being formed

with a generally radial bore and with the sides of said bore spaced apart to provide a pair of slideways for receiving a shoe mounted for movement toward and from said friction surface, a shoe slidably carried between said slideways and supported and aligned thereby at regions adjacent the ends thereof for sliding movement along



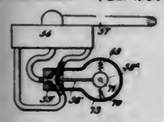
said slideways, a cylinder carried by said housing, a piston in said cylinder mounted for movement toward and from said one friction surface and a face on said piston adapted to engage said shoe to urge the same into friction contact with said friction surface and means for actuating said piston.

2,257,772
MOTOR VEHICLE PROPULSION
Austin M. Wolf, Plainfield, N. J.
Original application April 7, 1932, Serial No. 603,701. Divided and this application October 10, 1938, Serial No. 234,264
5 Claims. (Cl. 180—54)



1. In a motor vehicle, front and rear axles, a pair of engines mounted between the axles in reversed longitudinally spaced apart relation, change speed gear boxes on the opposing ends of said engines, a transversely positioned power transfer gear case connecting said gear boxes with each other, and propeller shafts connecting said gear case with each of the vehicle axles.

2,257,773
STABILIZING MEANS FOR MOTOR VEHICLES
Austin M. Wolf, Plainfield, N. J.
Original application April 15, 1933, Serial No. 666,332. Divided and this application November 27, 1939, Serial No. 306,297
12 Claims. (Cl. 267—11)



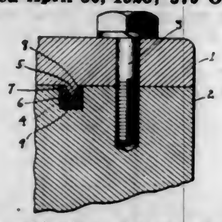
1. In combination with a vehicle shock absorber having resistance control means, an inertia responsive member movable longitudinally and transversely of the vehicle body, and means for operatively connecting said member with the resistance control means to actuate the latter and increase the resistance of the shock absorber to transverse or longitudinal displacement of the vehicle body.

2,257,774
ELECTRONIC-OPTICAL DEVICE
Manfred von Ardenne, Berlin, Germany
Application February 15, 1938, Serial No. 190,629
In Germany February 18, 1937
7 Claims. (Cl. 178—6.8)



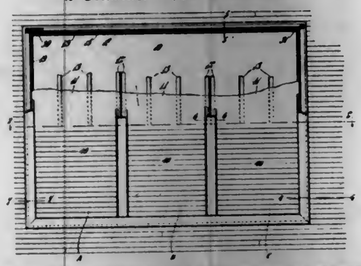
1. An electronic microscope comprising means for generating a cathode ray, means for focusing the ray to a point on an object to be examined, the diameter of said point being of the order of the wavelength of visible light, a target beyond the object in the direction of the ray for intercepting electrons thereof that pass through the object, a circuit in which current flow is established by electrons intercepted on said target, reproducing means controlled responsive to variations in said current flow, said reproducing means including an element movable in two directions, and means electrically responsive to movement of said element for producing corresponding and proportionate movements of microscopic dimensions of the focus point of said ray on said object.

2,257,775
SAFETY ELECTRIC JOINT
Donald H. Zellers, Pittsburgh, Pa.
Application November 2, 1940, Serial No. 364,004
2 Claims. (Cl. 189—36)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



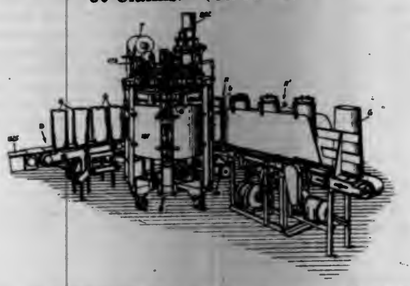
1. In the combination of a pair of members each provided with a portion for engagement with the other, and means for drawing the one tightly into contact with the other, the improvement comprising an elongated recess in the face of one of said engaging portions, an elongated projection on the face of the other of said members having a projecting length and width considerably less than the depth and width, respectively, of said recess, and a gasket completely within said recess, said projection adapted to extend completely into said recess, provide a space between its sides and extremity and the walls of said recess, distort said gasket into sealing relationship with and between the side walls and extremities of said projection and recess, and accommodate all displaced gasket portions within said space when said member portions are brought into engagement.

2,257,776
HATCH COVER
Charles William King, London, England, assignor to MacGregor & King Limited, London, England, a British company
Application August 31, 1939, Serial No. 292,810
In Great Britain December 12, 1936
2 Claims. (Cl. 114—202)



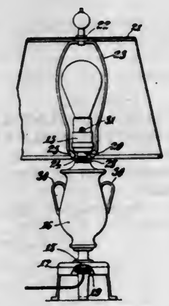
1. A multi-section steel hatch cover arrangement for hatchways on decks and the like comprising a plurality of spaced steel hatch cover sections each having an upper surface, members for supporting said sections and arranged spacedly from the level of said deck and the walls defining said hatchway, water-tight packing means carried on said supporting members, said supporting members and said packing means being disposed at such a depth below said level of said deck that said upper surface of each steel hatch cover section lies flush with the deck when said sections engage said supporting members and said packing means, respectively, in closing position of said sections on said hatchway, and eccentric bush rollers connected to said sections and engageable with said supporting members whereby said sections may be selectively lowered down on said packing means to provide a water-tight joint and may be raised clear of said packing means.

2,257,777
MACHINE FOR SHAPING AND SEALING FILLED PAPER BAGS
Helmer Anderson, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware
Application September 13, 1939, Serial No. 294,705
30 Claims. (Cl. 93—6)



1. In a bag closing and sealing machine, means for intermittently conveying a succession of filled bags through the machine, means for longitudinally intucking a bag, means for transversely scoring the top of a bag preparatory to closing, means for gluing the top of the bag, means for transversely folding the bag top, means for closing the bag top, and means for inverting the bag so that it stands on the glued top until the glue is partially set.

2,257,778
LAMP HARP
Kornel Berger, Brooklyn, N. Y.
Application November 19, 1940, Serial No. 366,239
1 Claim. (Cl. 240—148)

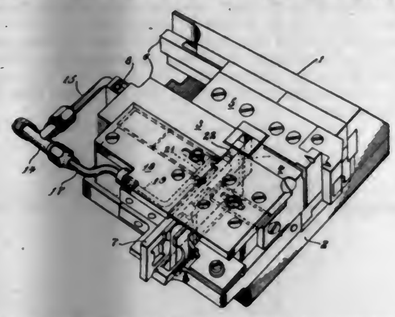


A lamp construction as disclosed, in which a lamp socket, lamp base and shade supporting harp are rotatably adjustable independently of each other but can be each set in a desired angular relation and all three parts locked together in such selected positions and comprising in combination, a lamp body, a lamp socket in rotatively adjustable relation on said lamp body, a screw connection extending up through said lamp body and lamp socket for clamping said socket down on said lamp body and a lamp shade supporting harp comprising a harp base and a harp frame carried thereby, said harp base being interposed between said lamp body and socket and having an opening therethrough of larger size than said screw connection, whereby said harp may be turned independently of said screw connection and independently of both the lamp body and socket and inwardly projecting substantially radially disposed teeth at the edge of said large size opening in said harp base, said teeth having upwardly angled sharp edges to effect an interlock with said socket when said screw connection is tightened and whereby the base of the harp and the socket in such interlocked relation will be then held clamped by said screw connection down in desired angular relation on the base.

2,257,779
MONOTYPE MOLD BLADE LUBRICATOR
William E. Blake, Baltimore County, Md., assignor of one-half to Waverly Press, Inc., a corporation of Maryland
Application November 14, 1940, Serial No. 365,699
9 Claims. (Cl. 199—84)

1. In combination with a monotype casting machine having a compressed air controlling sys-

tem, a type mold including a mold blade reciprocable in the mold, to size and eject the type, and

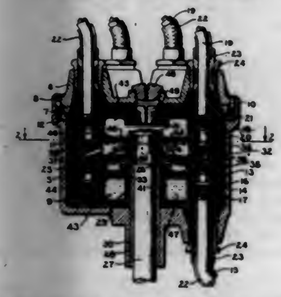


means including said compressed air system, to feed oil periodically to both sides of said blade.

2,257,780
PROCESS FOR CONCENTRATING FORMALDEHYDE SOLUTIONS
Joseph E. Bludworth, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application May 9, 1939, Serial No. 272,629
15 Claims. (Cl. 260—606)

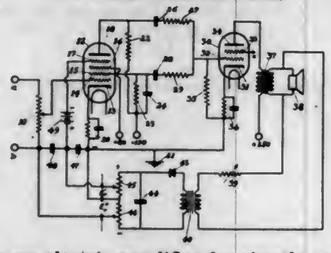
1. Process for concentrating dilute aqueous solutions of formaldehyde, which comprises distilling said dilute solution in a column at a pressure above atmospheric pressure, introducing into the column an inert gas not condensible under the conditions of distillation subjecting the vapors to a fractional condensation under superatmospheric pressure to separate the water therefrom and collecting the uncondensed formaldehyde in absorbing liquid.

2,257,781
DISTRIBUTOR
Jakob Bohli, Solothurn, Switzerland, assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application October 27, 1938, Serial No. 237,220
4 Claims. (Cl. 200—24)



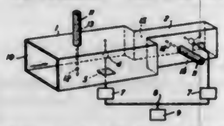
1. A high tension distributor comprising insulating means forming a fluid chamber, a liquid dielectric in said chamber, an input brush, a plurality of output brushes, rotatable means in said chamber for maintaining said liquid under pressure around said brushes, said rotatable means having a plurality of passages therein connecting the central portion of said chamber and the peripheral portion thereof and means carried by said rotatable means for electrically connecting said input brush successively with said output brushes.

2,257,782
AMPLIFIER
Heinz Boucke, Berlin-Charlottenburg, Germany, assignor to Radio Patents Corporation, a corporation of New York
Application January 18, 1940, Serial No. 314,411
In Germany January 24, 1939
11 Claims. (Cl. 179—171)



1. In an electric amplifier for signals comprising a band of component frequencies, an amplifying valve comprising at least a cathode followed in succession by an input grid, a positively biased anode grid, a further control grid and an anode, means for applying signal potential to said input grid, coupling means having different selective characteristics connected to said anode grid and to said anode to develop output potentials for different partial ranges of said band, means for combinedly translating the developed potentials, further means for applying a variable bias potential to said further control grid to vary the current flow to said anode, and means for substantially preventing reaction from said further control grid upon said anode grid.

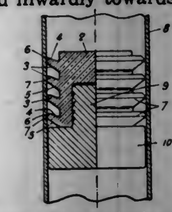
2,257,783
GUIDED WAVE TRANSMISSION
Arnold E. Bowen, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 21, 1939, Serial No. 295,901
14 Claims. (Cl. 178—44)



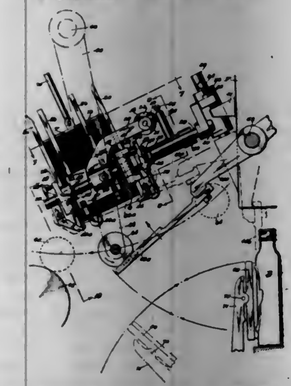
1. In a dielectric guide wave system, means for launching guided waves therein, a receiver at a receiving point adapted and oriented for reception of a particular type of launched wave, a second receiver so oriented as to be receptive to a distortion component of the wave generated during transmission along the guide system, and means for combining the outputs of said receivers in mutually aiding relation.

2,257,784
PLUG FOR USE IN WELLS
Norman Fraser Brown, Edinburgh, Scotland
Application August 26, 1938, Serial No. 226,938
In Great Britain June 3, 1938
3 Claims. (Cl. 166—1)

1. A plug for use in forcing material through a pipe which comprises a body portion of resilient material, at least one annular ring portion terminating outwardly in a circular edge defining the greatest diameter of the plug, said edge being defined by two converging surfaces which extend respectively from the edge towards opposite ends of the plug and inwardly towards the body portion, a core portion of relatively rigid and friable material, a cylindrical guide member of relatively rigid and friable material concentric with the axis of the plug and adjacent an end face of the body portion, and means connecting said guide member with said core portion.



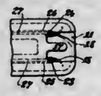
2,257,785
LABELING MECHANISM
Sidney T. Carter, New Kensington, Pa., assignor to Schenley Distillers Corporation, New York, N. Y., a corporation of Delaware
Original application January 19, 1940, Serial No. 314,595. Divided and this application July 27, 1940, Serial No. 347,946
3 Claims. (Cl. 271—33)



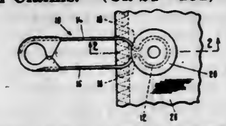
1. In a labeling machine, a chute which is adapted to hold a stack of labels, movable holding means associated with said chute and adapted to hold the stack of labels with the bottom label in a predetermined position, additional holding means located above the first mentioned holding means and adapted to hold the stack of labels against movement relative to said chute.

2,257,786
SOCKET FOR PIN BASE LAMPS AND TUBES
Nathan Chirelstein, Chicago, Ill.
Application June 14, 1940, Serial No. 340,443
1 Claim. (Cl. 173—328)

A supporting socket for lamps and tubes having spaced terminal pins and comprising a socket base of insulating material having a wide entrance groove through one edge of the same for substantially simultaneous entry of both terminal pins and defined by opposed substantially parallel side walls spaced a distance apart substantially equal to the overall spacing of the terminal pins to admit the entry of both or either of said pins, an interposed insulating partition between said spaced side walls of said wide entrance groove and having substantially parallel opposite edges opposed to and substantially parallel to said substantially parallel side walls, spring contacts on said base at opposite sides of said intermediate partition and yieldable away from each other, said contacts having open pin receiving hooks and disposed with the open sides of said hooks faced inwardly toward and opposed to said substantially parallel opposite edges of said intermediate partition, said contacts being tensioned toward each other with said hooks positioned a distance apart less than the overall spacing of said terminal pins, said hooks having extensions at the free ends of the same inclined outwardly away from said opposing edges of the intermediate partition, said free ends of said open hooks being spaced away from the opposing edges of said intermediate partition a distance greater than the diameter of the terminal pins to enable free passage of either terminal pin over the inclined extension and into engagement in the open hook of either contact and whereby after such free engagement of either terminal pin in either open hook, the lamp or tube carrying the terminal pins may be rotated inwardly toward the socket base about the pin which is engaged in the contact hook as a center to bring the other terminal pin into wedging engagement with the inclined extension of the other contact, to effect spreading of the contacts sufficiently for engagement of the second terminal pin in the open hook of the second contact and whereby the lamp or tube may be released by simply rotating the same in either direction to free one of the terminal pins from the open hook of one contact, after which the other pin will be freely disengageable from the hook of the other contact, the insulating partition between the contacts being limited in extent to enable said rotary movements of the lamp or tube to carry one terminal pin into engagement with or to free it from the hook of one contact while the other terminal pin is pivotally held in the hook of the other contact.



2,257,787
ATTACHING DEVICE
Harry Cohen, New York, N. Y., assignor to I. B. Kleinert Rubber Company, New York, N. Y., a corporation of New York
Application August 2, 1940, Serial No. 349,792
4 Claims. (Cl. 24—151)



1. An attaching device for releasably securing one article or a part thereof to another article or to a part of the same article, said device comprising a safety pin having a prong and a guard for the free end of the prong, a snap-fastener stud having a shank and opposed parts extending laterally of said shank, said safety pin having a part secured to said stud between said opposed parts thereof, said shank extending at right

angles to the plane of said pin, and a snap-fastener socket member constructed and arranged to be secured to one of said articles or article parts and to be releasably engaged by said snap-fastener stud for releasably securing said stud to said one of said articles or article parts.

2,257,788
BLUE MONAZO DYE

Herbert W. Daudt, Wilmington, Del., and Donovan E. Kvalnes, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application November 22, 1939, Serial No. 305,657
5 Claims. (Cl. 260—207)

1. A water soluble monazo dye represented by the formula



in which the R's are from a group consisting of alkyl having 1 to 4 carbons and hydroxy ethyl; *m* is 2 to 3 and M is one of a group consisting of hydrogen, ammonium and the alkali metals.

2,257,789
WINDSHIELD WIPER BLADE

Alexander C. de Hoffmann, New York, N. Y.

Application April 8, 1939, Serial No. 266,732
2 Claims. (Cl. 15—255)



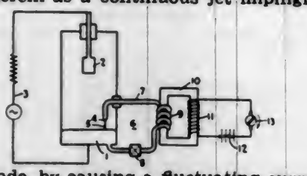
2. In combination, a windshield having a substantially rectangular shaped frame provided with an obtuse angular corner and a flat transparent panel mounted therein, an oscillatable arm having its inner end pivotally mounted on said frame, a wiper blade connected to the free end of said arm and disposed in wiping contact with the flat surface of the transparent panel, said wiper blade having a straight body portion, and an extension portion at the outer free end of the straight body portion and extending at an obtuse angle therefrom, the angularity of the extension portion substantially conforming to the angularity of the angular corner of the windshield frame to facilitate movement of the extension portion over the transparent panel and into and out of the angular corner during oscillatory movement of said arm to wipe the angular corner portions of the transparent panel and to increase the radius of the arcuate area traversed by the wiper blade during its pivotal oscillatory movement over the transparent panel to increase the range of optical vision of a person when looking through the transparent panel.

2,257,790
MERCURY ARC CONVERTER

David Henry Donaldson, North Wembley, and Henry Thomas Ramsay, Hatch End, Pinner, England, assignors to The General Electric Company Limited, London, England

Application May 13, 1940, Serial No. 334,808
In Great Britain May 15, 1939
18 Claims. (Cl. 175—354)

1. In a mercury arc converter of the type wherein a discharge occurs within a discharge envelope along an arc from an anode to a mercury pool cathode, means for initiating said discharge by causing a stream of mercury to flow along a conducting channel and to issue from an orifice therein as a continuous jet impinging on

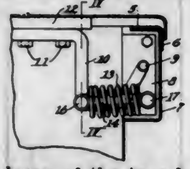


said cathode, by causing a fluctuating current to flow in the primary of a transformer of which said channel is the secondary, thereby causing an electric current to flow along said jet, and by breaking said jet under the influence of an electric signal while said jet current is flowing.

2,257,791
HINGE CONSTRUCTION FOR HATCHWAY COVERS

William R. Edmister, Columbus, Ohio, assignor of one-third to William K. Edmister and one-third to James O. Edmister, both of Columbus, Ohio

Application March 1, 1939, Serial No. 259,191
2 Claims. (Cl. 16—135)



1. In a hatchway of the type having a frame formed with an opening and a cover for said opening, hinge means for securing said cover to said frame comprising a base plate formed for attachment to said frame, a one-piece hinge bar formed at one end for attachment to the cover, a hinge pin pivotally securing the opposite end of said bar to said base plate, a portion of said bar between the cover and said hinged end being provided with a substantially U-shaped bend, a pivot projecting laterally from said bar at said bent portion, a second pivot carried by said base plate in spaced relation from said hinge pin, the axes of said pivots being parallel, sleeve means rotatably positioned on said pivots, telescopically connected guide means secured at its ends to said sleeve means, and a compression type spring surrounding said guide means and engaging said sleeves, the force of said spring tending to increase the spacing between said pivots.

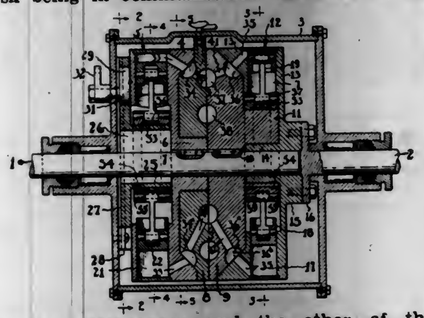
2,257,792
HYDRAULIC TRANSMISSION

Daniel W. Fletcher, Toronto, Ontario, Canada

Application September 25, 1939, Serial No. 296,392
1 Claim. (Cl. 60—53)

In a hydraulic transmission the combination with driving and driven members, of means including primary and secondary pumps for causing the driven member to be actuated from the driving member, a stationary casing for housing said pumps, the primary pump including a cylinder block connected with the driven member and having a plurality of radially disposed bores therein; pistons in said bores; a disk rotatable with the driving member and provided with an eccentric; means operated by the eccentric for actuating the pistons, the secondary

pump including a cylinder block rotatable with the driving member and having a plurality of radially disposed bores therein; a stationary disk arranged beside the rotatable disk, the disks being between the cylinder blocks and having two annular passageways formed in their contacting faces, each disk also being provided with two circumferentially separated grooves in its face in contact with the adjacent cylinder block, the grooves being of the same radius and each groove extending slightly less than 180° around the face of the disk, one of the grooves in each disk being in communication with one of the

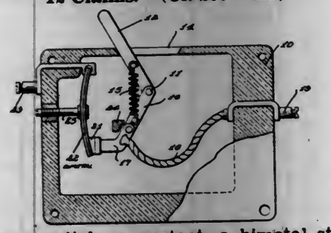


annular passageways and the other of the grooves in each disk being in communication with the other of the annular passageways; ports in each cylinder block forming communications between each bore and one or the other of the two separated grooves in the adjacent disk; pistons in said bores of the secondary pump cylinder block; means including a non-rotatable eccentric freely disposed on the driving member and adjustable relative thereto for actuating the pistons of the secondary pump; and means for moving the eccentric relative to the driving member to vary the stroke of the secondary pump pistons.

2,257,793
CIRCUIT BREAKER

Robert L. Frank, Detroit, Mich., assignor to Bulldog Electric Products Company, Detroit, Mich., a corporation of West Virginia

Application February 3, 1940, Serial No. 317,095
12 Claims. (Cl. 200—113)

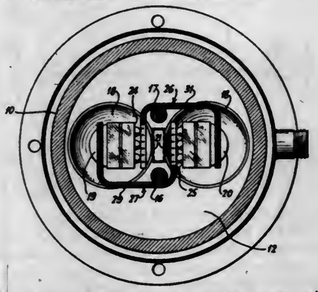


1. In a switch, a contact, a bimetal strip directly determining its position, whereby the contact will move automatically on the arising of a circuit overload out of its normal position, a second contact, a spring and handle actuated operating mechanism for moving the second contact to and from the normal position of the first contact, the operative connection between the handle and the second contact being so arranged that the handle thereof may be held without restraining automatic movement of the first contact away from its normal position on the arising of an overload.

2,257,794
ELECTRON DISCHARGE DEVICE

Lloyd P. Garner, Newark, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application July 29, 1939, Serial No. 287,235
9 Claims. (Cl. 250—27.5)

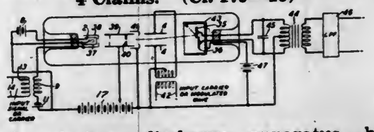


1. An electron discharge device comprising a metal envelope, a cathode in said envelope, two anodes, two control electrodes, each control electrode comprising wires between said cathode and the adjacent anode and a metal plate, said plate being positioned in capacitive relation with the anode adjacent the other control electrode, the plates extending between the anodes and the metal wall of the envelope to reduce anode-to-envelope capacity, and means for manually adjusting the spacing between said plates and said anodes.

2,257,795
ELECTRON DISCHARGE APPARATUS AND CIRCUITS

Frank Gray, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application May 27, 1939, Serial No. 276,044
4 Claims. (Cl. 179—15)



1. In electron discharge apparatus, beam forming electrodes, a two-part target in the path of the beam, means to sweep the beam over said target to shift the beam off from one part onto the other part and vice versa, at a sustained high frequency, means to vary the strength of the beam incident upon said target at a low frequency, each part of the target being so shaped that when the beam is wholly incident upon one part of the target the output current is instantaneously proportional to the displacement of the beam from its central position, whereby a modulated wave is produced.

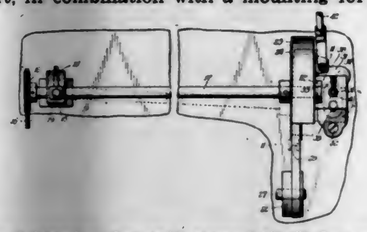
2,257,796
BELT TIGHTENING AND LOOSENING DRIVING CONNECTION

Henry L. Heineke, Springfield, Ill.

Application March 1, 1941, Serial No. 381,366
3 Claims. (Cl. 74—242.15)

3. In a belt tightening and loosening driving-connection having a first suitably-journaled rotary-shaft, a second rotary-shaft approximately parallel to said first shaft, a pair of bearings for said second shaft, a pulley on each shaft, and a belt connecting said pulleys, the novel features

being that one of said bearings for said second shaft has a fixed pivot the axis of which is at a right-angle to the axis of such bearing to permit said second shaft and its pulley to swing about the axis of said pivot toward and from said first shaft, in combination with a mounting for said



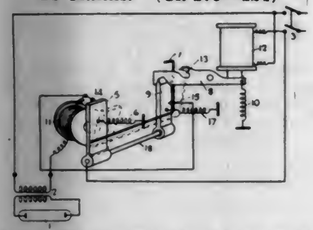
second bearing for said second shaft for movement toward and from said first shaft, and manually-operated means to swing said second shaft and its pulley toward and from said first shaft to operatively tighten and inoperatively loosen said belt with relation to said pulleys.

2,257,797

ELECTRIC PROTECTIVE DEVICE FOR LUMINOUS ELECTRIC DISCHARGE TUBE SYSTEMS

Clifford Higgins, Richmond, England, assignor to Claude-General Neon Lights Limited, London, England

Application May 23, 1939, Serial No. 275,205
In Great Britain May 24, 1938
14 Claims. (Cl. 176—124)



1. An electric circuit protective apparatus comprising current responsive means having an open circuit position and a closed circuit position, said means being constructed and arranged to assume said open circuit position when current flowing in a circuit falls below a predetermined value, and means responsive to the voltage across said circuit to lock said first named means in open circuit position while voltage is impressed across said circuit when the current in said circuit falls below said predetermined value.

2,257,798

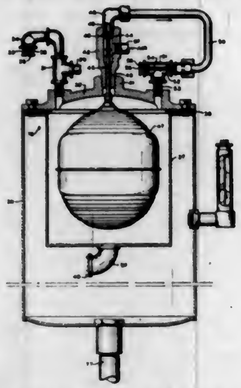
APPARATUS FOR USE IN CONDITIONING FIBROUS MATERIAL

George Hill and Arthur G. Hill, Wellford, and Pearce H. Baker, Greenville, S. C., and Leon C. Mitchum and Edward A. Harper, Atlanta, Ga., assignors to The Texas Company, New York, N. Y., a corporation of Delaware

Original application May 16, 1936, Serial No. 80,114. Divided and this application May 10, 1939, Serial No. 272,820. In Canada April 12, 1938

2 Claims. (Cl. 103—236)

1. In a constant head tank having a head formed with a plurality of openings, a vacuum cup secured to one underside of said head, a pipe connecting one of said openings to a source of oil supply, an entrainment nozzle connected to another of said openings through which communication is had with said vacuum cup, a pipe connected with said entrainment nozzle through which air under pressure is supplied to said nozzle to evacuate air from said vacuum cup and permit the entry of oil from said source of supply, a float in said vacuum cup, a valved stem secured to said float and extending through an opening



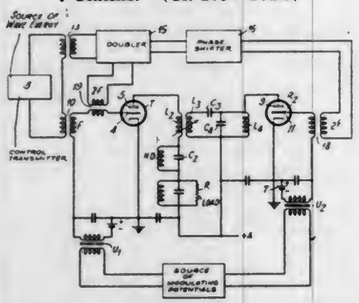
in said head and into said air supply pipe, a valve seat in said air supply line adapted to cooperate with the valved end of said stem to interrupt the passage of air through said air line and said entrainment nozzle whenever sufficient oil has entered the vacuum cup to raise the float and bring the valved stem into engagement with said valve seat, and means for discharging oil from said vacuum cup when said entrainment nozzle ceases to evacuate air from said vacuum cup.

2,257,799

MODULATION

Rudolf Hofer, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application April 14, 1939, Serial No. 267,777
In Germany March 17, 1938
7 Claims. (Cl. 179—171.5)



1. In a modulation system, a tube having input and output electrodes, means for impressing wave energy voltages to be modulated on said input electrodes, means for impressing modulating potentials on an electrode in said tube, means for impressing alternating voltages harmonically related to said wave energy voltages on an electrode

of said tube, and means for synchronizing the maximums of said alternating voltages with the maximums of said wave energy voltages.

2,257,800

ALLOY-SKELETON CATALYST

Benjamin W. Howk, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 12, 1940, Serial No. 329,299
7 Claims. (Cl. 252—234)

1. An easily suspensible alloy-skeleton cobalt catalyst obtained by extracting substantially all of the alkali soluble metallic component from a finely ground alloy of cobalt and an alkali soluble metal, said alloy containing 25 to 35% by weight of cobalt.

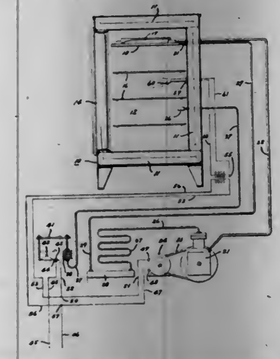
3. A process of making an easily suspensible cobalt catalyst which comprises preparing an alloy of cobalt and an alkali soluble metallic component, said alloy containing 25 to 35% by weight of cobalt, grinding said alloy to a fine powder, and extracting the alkali soluble metallic component with a solution of caustic alkali.

2,257,801

REFRIGERATING APPARATUS

Harry B. Hull, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Ohio

Application November 29, 1938, Serial No. 242,946
1 Claim. (Cl. 62—89)



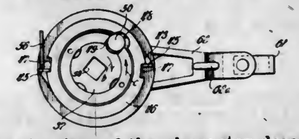
A refrigerating apparatus comprising in combination, a cabinet having a closed refrigerating system associated therewith, said cabinet being provided with a food storage compartment, said refrigerating system comprising a cooling element mounted within said cabinet and adapted to chill air in said food compartment, said refrigerating system also including a refrigerant circulating unit connected to said cooling element, an electric circuit for said unit, an ultraviolet lamp mounted within said cabinet and adapted to emit its rays into said compartment for treating food stored therein and for sterilizing air within the compartment, an electric circuit for said lamp, and a single means operated automatically in response to conditions of said refrigerating system for controlling said electric circuits to start and stop operation of said unit and to cause automatically controlled intermittent periods of effectiveness of said ultraviolet lamp whereby overtreatment of said food is prevented.

2,257,802

CLUTCH MEANS

Robert A. Jentsch, Chicago, Ill., assignor to Conlon Corporation, Cicero, Ill., a corporation of Illinois

Application January 25, 1939, Serial No. 252,735
4 Claims. (Cl. 192—27)



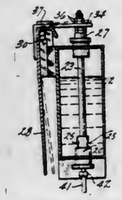
3. In mechanism of the character described, a driven shaft continuously rotated in one direction, means for driving said shaft, an eccentric free from said shaft, clutch means for clutching said eccentric to said shaft and declutching it from said shaft upon completion of a half revolution of said eccentric, said clutch means comprising means urging said eccentric about said shaft oppositely to the direction of rotation of the latter when said eccentric is declutched from said shaft, an eccentric strap fitting about said eccentric, and locking means effective for permitting rotation of said eccentric in said one direction relative to said strap while locking said eccentric against reverse rotation relative to said strap in the continued rotation of said shaft.

2,257,803

AUTOMATIC HOIST GUIDE LUBRICATOR

Peter Kuncis, Lafayette, Colo.

Application April 23, 1940, Serial No. 331,088
5 Claims. (Cl. 184—21)



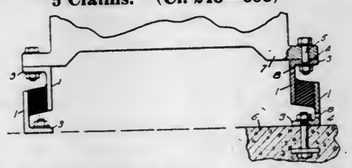
1. A hoist cage guide lubricator comprising: lubricant distributing means on said guides; a gravity reservoir above said distributing means; a conduit supplying said lubricant from said reservoir to said means; a valve for controlling the flow through said conduit; a wind vane operable from the air disturbance caused by the passage of a cage along said guides; and means for opening said valve in consequence of the movement of said wind vane.

2,257,804

JOINT

Hugh C. Lord, Erie, Pa., assignor to Lord Manufacturing Company, Erie, Pa., a corporation of Pennsylvania

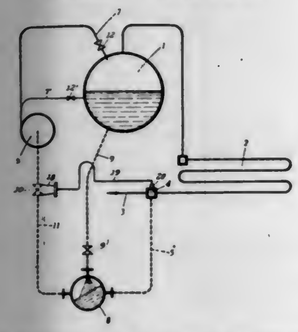
Application April 17, 1939, Serial No. 268,187
5 Claims. (Cl. 248—358)



1. A joint comprising opposing flat plates and

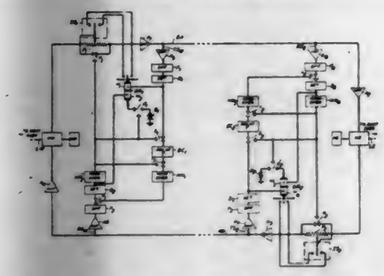
a member of rubber-like material bridging the space between the plates and bonded to the opposing faces of the plates, each plate being confined to the space inwardly from the plane of its outer surface and one of the plates having an angle extension spaced from the member and having means for attachment in the angle extension and in the portion of the plate between the member and the extension.

2,257,805
MEANS FOR REGULATING THE TEMPERATURE OF SUPERHEATED STEAM
Johann Kölling, Duisburg, Germany, assignor to The Babcock & Wilcox Company, New York, N. Y.
Application December 7, 1937, Serial No. 178,512
In Germany July 7, 1936
7 Claims. (Cl. 122—479)



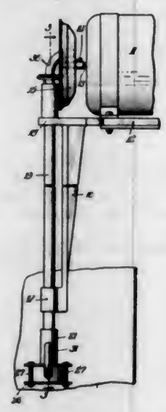
1. In a system having connected vapor generating and superheating components, the method of regulating the temperature of the outgoing superheated vapor which comprises withdrawing a portion of said superheated vapor, desuperheating said portion, and pumping said portion mechanically in its desuperheated state to return the withdrawn vapor to a point in the path of vapor flow.

2,257,806
ECHO SUPPRESSING CIRCUIT
Doren Mitchell, Bound Brook, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 22, 1940, Serial No. 366,511
11 Claims. (Cl. 178—44)



5. In a two-way signal transmission system including a two-way transmission circuit, one one-way path for transmitting from said circuit and a second one-way path for transmitting to said circuit, means responsive to signal transmission between said second path and said circuit for inserting an echo suppression loss in said one path, auxiliary means responsive to one given ratio of the level of the signal waves in said second path to the level of the signal echoes returned from said circuit to said one one-way path to increase the amount of said suppression loss, and responsive to another given lower ratio of the level of the signal waves in said second path to the level of the echoes in said one path to reduce the amount of said echo suppression loss.

2,257,807
SPRAYER
Charles R. Morse, Topeka, Kans.
Application February 28, 1941, Serial No. 381,051
2 Claims. (Cl. 299—63)

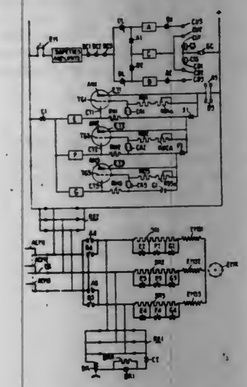


1. In an air-conditioner having a horizontal revoluble first shaft, a concave-disc mounted on and rotated with said shaft, a vertical second revoluble shaft, a liquid-pump including a casing and rotated blades therein mounted on and rotatable with said second shaft, gears operatively connecting said shafts together, means to rotate said first shaft and through said gears said second shaft and pump-blades, and conduit-means to convey the liquid pumped by said pump to and to deliver it on to the concave side of said disc, the novel features of said conduit-means including an upright tube supporting said pump-casing at its lower end, and of said second shaft extending through said tube longitudinally thereof.

2,257,808
PURIFICATION OF SAND
Donald S. Phelps, Harvard, Mass., assignor to Edgar Plastic Kaolin Company, Metuchen, N. J., a corporation of New Jersey
No Drawing. Application July 29, 1940, Serial No. 348,287
6 Claims. (Cl. 209—166)

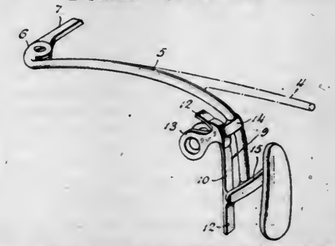
1. A method of removing iron and titanium compounds from sand, comprising establishing a pulp of the sand, subjecting the pulp to froth flotation operation in the presence of wood creosote, a sodium sulphonated mineral oil and material of the class consisting of oleic acid and fatty acid soap, to produce a froth concentrate of said compounds, and recovering the purified sand from the tailings.

2,257,809
CONTROL SYSTEM FOR ELECTRIC MOTORS
Anthony Pinto, New Rochelle, N. Y., assignor to Otis Elevator Company, New York, N. Y., a corporation of New Jersey
Application April 25, 1941, Serial No. 390,213
8 Claims. (Cl. 172—152)



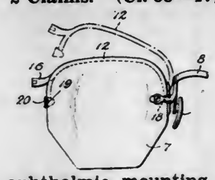
7. In a control system for a direct current elevator hoisting motor supplied with current from a variable voltage direct current generator having a separately excited field winding the excitation of which is controlled by resistance in series therewith, in which direction switches are provided which are responsive to the operation of a car switch in the car for connecting said winding to a source of current and in which a plurality of accelerating switches also subject to said car switch are provided for short-circuiting said resistance in steps, a cold cathode gas filled electronic tube with grid control for each accelerating switch, a condenser for each tube connected across the grid-cathode of the tube, a resistance for each condenser connected in series therewith and across the grid-anode of the tube for controlling the charging of the condenser, means responsive to the operation of a direction switch in starting the car for connecting the coil of one of said accelerating switches to said source in series with the anode-cathode of the electronic tube provided therefor, means responsive to the operation of each accelereating switch for short-circuiting the condenser and its charge controlling resistance and for connecting the coil of the next accelerating switch to said source in series with the anode-cathode of the electronic tube provided for said next switch, the operation of each accelerating switch thus being delayed until the condenser for its tube charges to a point where the voltage across the grid-cathode of the tube is sufficient to cause the tube to fire and upon operation of each accelerating switch the voltage across the anode-cathode of its electronic tube being reduced to a value to put out the tube, means responsive to the operation of said one accelerating switch for establishing a holding circuit for the operated direction switch independent of the car switch, means responsive to each of the other accelerating switches for establishing a holding circuit for the next preceding operated accelerating switch independent of the car switch, and a condenser and resistance for each direction switch and each accelerating switch except the last connected in series across the coil of the switch to delay the dropping out thereof upon the return of the car switch to off position.

2,257,810
OPHTHALMIC MOUNTING
Jacob J. Pomeranz, Brooklyn, and Vincent Tanasso, Harrison, N. Y.
Application November 22, 1939, Serial No. 305,574
1 Claim. (Cl. 88—41)



In an ophthalmic mounting, a frame member, a bendable lens supporting element mounted in front of said frame member and consisting of an elongated shoe angular in cross section for a portion of its length, a lens strap secured to said supporting element adjacent one end thereof, a cross connection between said strap and frame member, and a nose pad arm joining said frame member with said supporting element adjacent the other end of the latter, the ends of said shoe extending beyond said strap and arm being bendable so as to conform to the contour of the lens edge engaged with said supporting element.

2,257,811
OPHTHALMIC MOUNTING
Jacob J. Pomeranz, Brooklyn, and Vincent Tanasso, Harrison, N. Y.
Application February 19, 1940, Serial No. 319,592
2 Claims. (Cl. 88—47)

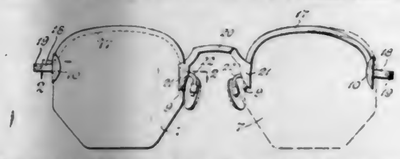


1. In an ophthalmic mounting, a bridge for a pair of lenses, pad arms carried by said bridge, brow arms extending along the rear edge of each lens and each having a sleeve at its inner end embracing one of said pad arms to form a pivotal mounting for said brow arm, the outer extremity of each arm having an end piece for attachment to a temple, an extension for said arm projecting beyond said end piece in the direction of the contour of the edge of the associated lens and having a clip loosely straddling said lens, said clip and lens having interengaging means to releasably retain said arm against pivotal movement.

2,257,812
OPHTHALMIC MOUNTING
Jacob J. Pomeranz, Brooklyn, N. Y.
Application September 27, 1940, Serial No. 358,587
4 Claims. (Cl. 88—47)

1. An ophthalmic mounting comprising, in combination, a pair of lenses having spaced recesses in the peripheral edges thereof, channeled

supporting members each fitting over the edge of one of the lenses and having front and rear walls, a lens retaining element extending from each of said walls and terminating short of the opposed wall for engagement in one of the recesses in said lens, resilient brow arms each having one end secured to the rear wall of one of said supporting members, a bridge connecting said arms and having end portions secured to the outer surfaces of the front walls of said supporting members and being of greater area than said front walls, and other lens supporting members at the opposite ends of said brow arms.

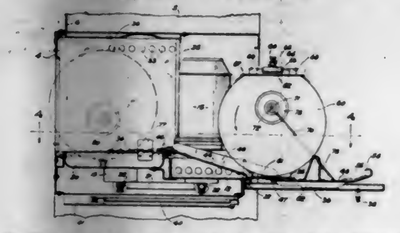


2,257,813

LIQUID FUEL STOVE

Marc Resek, Cleveland Heights, and John A. Dahlstrom, Bay Village, Ohio, assignors to Perfection Stove Company, Cleveland, Ohio, a corporation of Ohio

Application November 21, 1939, Serial No. 305,506
27 Claims. (Cl. 126—44)



8. In a liquid fuel stove of the class described, a frame structure including a top, a plurality of burners arranged side by side beneath the front portion of the top, a reservoir compartment beneath the rear of the top, a fuel basin exposed to the interior of said compartment and having communicative connection with the burners, the compartment having a front opening available through the space alongside a burner, a collapsible guide and support hinged to the structure adjacent the bottom of said opening and adapted to be shifted between an inoperative position wherein it serves as a closure for said opening and an operative position in which it extends forwardly from the compartment, and a portable fuel reservoir having a discharge opening at its top and adapted to be placed upon said guide and support in an upright position adjacent the front of the structure and to be moved rearwardly thereon with a progressive end-over-end movement through said opening to an inverted position over the basin.

2,257,814

PREPARATION OF OMEGA-AMINO NITRILES

George Wayne Rigby, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 2, 1940, Serial No. 332,961
6 Claims. (Cl. 260—464)

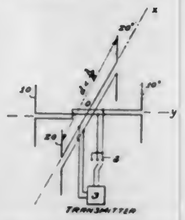
1. A process for the production of omega-amino-aliphatic nitriles which comprises bringing an aliphatic dinitrile having at least 4 carbon atoms in contiguous relationship between the nitrile groups in the liquid phase and in the presence of ammonia into contact with a mild-acting, cobalt-containing, hydrogenation catalyst at a temperature within the range of 100° to 140° C. and under a hydrogen pressure between 30 and 300 atmospheres and discontinuing the hydrogenation when an amount of hydrogen equivalent to from 40% to 70% of the theoretical amount necessary for the conversion of the dinitrile to the diamine has been absorbed.

2,257,815

RADIO BEACON

Yves Rocard, Paris, France, assignor to Compagnie Generale de Telegraphie sans Fil, a corporation of France

Application March 30, 1938, Serial No. 198,811
In France April 2, 1937
7 Claims. (Cl. 250—11)



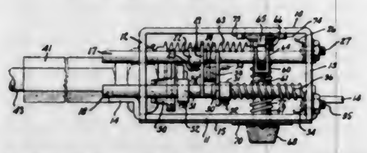
1. A radio beacon system comprising means for producing a first radiation field having two lobes of instantaneously opposite polarity and at least one direction of substantially zero radiation, means for producing a second radiation field the instantaneous polarity of which is the same as that of one of said lobes and the amplitude of which is less in said direction of zero radiation than in all other directions, and means for causing the alternate reversal of the phase of one of said radiation fields to produce an equisignal path in said direction of zero radiation.

2,257,816

HIGH PRESSURE SWITCH

John Russell, Danbury, Conn., assignor to Pressurelube, Inc., Dover, Del., a corporation of Delaware

Application February 7, 1940, Serial No. 317,673
6 Claims. (Cl. 200—82)



1. A pressure operated switch for extremely high pressure operation including in combination a high pressure piston, a spring opposing movement of the piston, a pair of relatively movable contacts, a pair of rods carrying the contacts, a casing in which the rods are individually slidable, spring means for relatively moving the contacts and means interconnecting the piston with one of the rods, and means for variably positioning the other rod and its contact to vary the pressure required for operation of the switch.

2,257,817

HYDROXYALKYLATION OF AMINES

George W. Seymour and Victor Sluyty Salvin, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application March 16, 1939, Serial No. 262,178
1 Claim. (Cl. 260—562)

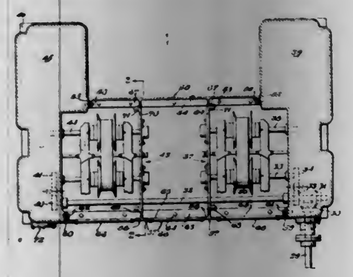
Method of producing hydroxyethyl amines, which comprises reacting the hydrochloric acid sale of 2-amino-4-acetylamino-anisole with ethylene oxide in the presence of methyl alcohol as solvent for the hydroxyethyl amine produced.

2,257,818

CUTTING KNIFE SUPPORT

Albert F. Shields, Jamaica, N. Y., assignor to S. & S. Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y., a corporation of New York

Application February 10, 1940, Serial No. 318,293
4 Claims. (Cl. 164—68)



1. A duplex cutting apparatus for cutting successive sheets from a pair of continuous webs, said apparatus comprising two sets of rotating cutting knives and means individual to each of said sets for adjusting the speed of rotation thereof, said sets of cutting knives being mounted between end housings of said apparatus, said adjusting means including a Reeves drive for each of said sets, a power connection from a power source to the Reeves drive of each of said sets, and a power connection from the Reeves drive to said cutting knives, a front brace between said end housings, said brace substantially enclosing the front of the apparatus, a rear brace between said end housings, said rear brace substantially enclosing the rear of the apparatus, the Reeves drive of each of said sets being supported by a cross brace extending between said front and rear braces and comprising a support for one side of the Reeves drive within the apparatus, the opposite sides of each of said Reeves drives being supported in end housings.

2,257,819

HYDROGENATION OF ARYL SULPHIDES AND PRODUCTS RESULTING

Frank Kerr Signaigo, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 13, 1940, Serial No. 329,582
38 Claims. (Cl. 260—609)

1. The process which comprises bringing an aryl sulphide and hydrogen into contact with a sulphactive hydrogenation catalyst at a temperature between 75° and 300° C.

2,257,820

COLORED LUBRICANT

Isador Silverman, Newark, N. J., assignor to American Chain & Cable Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application April 16, 1940, Serial No. 329,923
6 Claims. (Cl. 252—25)

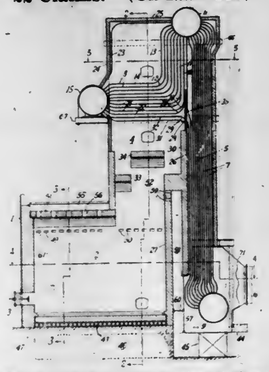
3. As a new composition of matter, a pigmented lubricant for coating an element of metallic wire ropes and cables comprising coloring pigments and a vehicle consisting of a major proportion of rosin, a relatively lesser proportion of petrolatum characterized by having at least 5% of an acetone soluble fraction, and paraffin wax in an amount sufficient to raise the melting point of said composition to a degree sufficient to produce a sharp setting point for said composition.

2,257,821

FLUID HEATING UNIT

Charles S. Smith, Westfield, and Clyde B. Baver, Fanwood, N. J., assignors to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey

Application April 7, 1938, Serial No. 200,598
22 Claims. (Cl. 122—336)



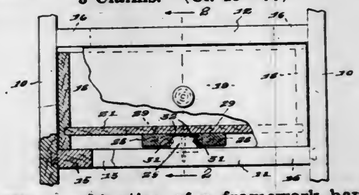
6. In a fluid heater comprising tubes forming a bank having angularly related portions and means directing a flow of heating gases successively across said portions in transverse relation to the tubes thereof, said tubes being disposed in rows extending transversely of the flow of gases and including tubes bent intermediate their lengths to provide a greater tube spacing in rows first contacted by the heating gases as compared with the tube spacing in rows subsequently contacted.

2,257,822

DRAWER GUIDE

Leopold Stickley, Fayetteville, N. Y.

Application August 30, 1938, Serial No. 227,536
3 Claims. (Cl. 45—77)



1. The combination of a framework having a drawer receiving opening therein and a drawer

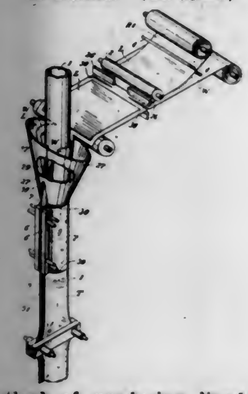
loosely mounted in said opening, of guide means for guiding the drawer during sliding movement in said opening, said means comprising a guide rail extending from the front to the rear of the frame centrally of the drawer opening and being provided with transversely yieldable side members formed with V shaped grooves, a pair of guide members secured to the bottom of the drawer and extending in spaced apart relationship from the front to the rear thereof, said guide members being formed with V shaped ribs complemental with the grooves in the side members of the guide rail and slidably engaging the same to guide the drawer during sliding movement thereof in the opening of the frame.

2,257,823

METHOD AND APPARATUS FOR PRODUCING CONTAINERS

John S. Stokes, Huntingdon Valley, Pa., assignor to Stokes and Smith Company, Summerdale, Pa., a corporation of Pennsylvania

Application January 15, 1940, Serial No. 313,889
18 Claims. (Cl. 93—3)



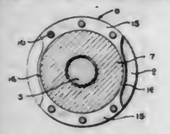
1. A method of producing lined containers which comprises shaping sheet lining material and joining edges thereof to form a tubular section, shaping sheet covering material and joining edges thereof to form a second tubular section enclosing, and projecting beyond an end of, the inner tubular section, sealing said end of the inner tubular section, and sealing the outer tubular section beyond the sealed end of the inner section.

2,257,824

ROTOR

Tullio Tognola, Sidney, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application December 3, 1938, Serial No. 243,701
1 Claim. (Cl. 171—209)



A magnetic rotor comprising a shaft, a cylindrical magnet surrounding said shaft, said magnet having poles of opposite polarity alternately arranged around the periphery thereof, annular laminations of magnetic material surrounding and engaging said magnet entirely around the periphery thereof, each of said laminations having radially thick portions adjacent the poles of said magnet joined by radially thin connecting portions, a non-magnetic sheet metal plate at each end of said magnet having a centrally disposed integral hub portion engaging said shaft, means extending through said end plates and laminations for securing the same together, and means for securing at least one of said end plates to said shaft.

2,257,825

POLYAMIDE COMPOSITION

Gordon T. Vaala, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 30, 1939, Serial No. 292,747
8 Claims. (Cl. 260—36)

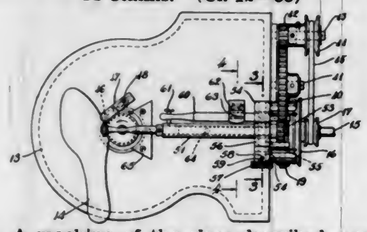
1. A composition of matter comprising a synthetic linear polyamide and an ester derived by esterification of a polycarboxylic acid with a monohydric ether alcohol, the said polyamide being the reaction product of a polymer-forming composition comprising reacting materials selected from the class consisting of (*a*) polymerizable monoamino-monocarboxylic acids, and (*b*) mixtures of diamine and dibasic carboxylic acid; the said polyamide having an intrinsic viscosity of at least 0.4.

2,257,826

SHOE SOLE TRIMMING MACHINE

Percy W. Valentine, Brooklyn, N. Y.

Application January 17, 1940, Serial No. 314,252
11 Claims. (Cl. 12—88)



1. A machine of the class described comprising a workpiece supporting table, a workpiece support and feed ring rotatably mounted in the table, a workpiece feed wheel rotatable on a horizontal axis and disposed over the surface of said ring, means for rotating said ring and wheel, a member arranged within peripheral boundaries of and coaxially with said ring to engage the peripheral edge of a workpiece at the position thereof disposed between said ring and wheel in performing a predetermined operation upon said edge of the workpiece, and means for rotating said member.

2,257,827

ELECTRON DISCHARGE TUBE

Gustav Joseph Weissenberg, Berlin-Mariendorf, Germany, assignor to Radio Patents Corporation

Application August 23, 1939, Serial No. 291,501
In Germany October 21, 1938
17 Claims. (Cl. 250—27.5)



1. A cathode structure comprising a conducting base plate, a layer of luminescent material applied to said base plate, and a translucent layer capable of emitting photo-electrons when struck by light applied to said luminescent layer.

2,257,828

MULTITAPE TELEGRAPH RECEIVER

Evan R. Wheeler, Plainfield, N. J., Robert F. Dirkes, Jamaica, N. Y., and Vernon R. Kimball, Union City, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Application February 9, 1940, Serial No. 318,020
11 Claims. (Cl. 178—34)



1. In a telegraph receiver, a selector for controlling said telegraph receiver and responsive to received code groups of impulses, a plurality of recording tapes, a plurality of separate printing and tape feeding mechanisms one of each associated with each recording tape, means controlled by said selector mechanism operable in response to predetermined code groups of impulses for selectively rendering said printing and associated tape feeding mechanisms operative and selectively controlling the selected printing mechanisms to record following code groups of impulses on associated tapes and advance the same in conjunction with each recording and means for rendering the others of said printing and tape feeding mechanisms inoperative and freeing the tape at said inoperative tape feeding mechanisms.

2,257,829

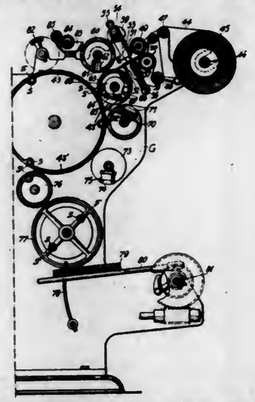
METHOD AND APPARATUS FOR FORMING WINDOWS IN BLANKS FOR ENVELOPES AND OTHER ARTICLES

Alfred Winkler and Max Dünnebier, Neuwied, Germany

Application December 7, 1937, Serial No. 178,494
In Germany April 21, 1937
14 Claims. (Cl. 93—61)

1. Method of forming windows in blanks intended for the manufacture of envelopes, bags, and similar articles which comprises conveying a strip of transparent material, conveying the blanks successively, applying heat to the said strip to separate individual window patches therefrom by melting, applying a separated patch to each blank, and welding the edges of the patches to the edges of window openings in the blanks by the application of heated members to said edges.

9. Apparatus for forming windows in blanks intended for the manufacture of envelopes, bags, and similar articles, comprising rotary means for continuously conveying the blanks, a plurality of rotary members cooperating with said means, means for continuously rotating said members, means for conveying transparent patches to the blanks, heated elements in one of said members



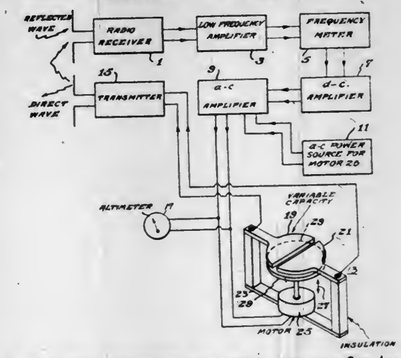
for engaging and welding two opposed edges of the patches to the blanks, and heated elements in another of said members for engaging and welding the other two opposed edges of the patches to the blanks.

2,257,830

FREQUENCY-MODULATED RADIO ALTIMETER

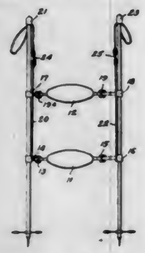
Irving Wolff, Merchantville, and Royden C. Sanders, Jr., Audubon, N. J., assignors to Radio Corporation of America, a corporation of Delaware

Application September 1, 1939, Serial No. 293,128
14 Claims. (Cl. 250—1)



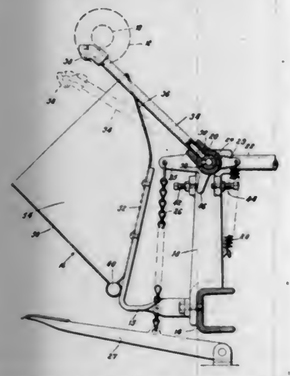
1. A radio altimeter including means for transmitting radio waves of varying frequency to be reflected from the earth, a receiver for receiving said signals and for producing a signal corresponding in frequency to the difference in frequency of the transmitted and reflected waves, means connected to said receiver for deriving from said receiver currents having an amplitude proportional to the difference frequency of the received signals, a low frequency oscillator, a frequency modulator including connections to said transmission means, an amplifier connecting said oscillator and modulator, and means connecting said current deriving means and said amplifier for applying said derived currents to said amplifier to control its gain.

2,257,831
SKI SEAT
Reginald M. Wood, Montreal, Quebec, Canada
Application May 20, 1940, Serial No. 336,261
In Canada May 22, 1939
6 Claims. (Cl. 155—178)



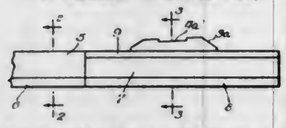
2. A ski seat adapted to be mounted on poles, comprising, a flexible seat band and a flexible back band, loops connected to the bands for slidably engaging the poles, adjusting means for varying the length of the bands, caps for engaging the tops of the poles and spacing straps depending from the caps and connected to the loops to support the back and seat bands in operative position on the poles, said straps including length adjusting means for varying the height of the loops on the poles.

2,257,832
MACHINE FOR OPERATING UPON SHOES
Charles Martin Bagshaw, Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application July 6, 1939, Serial No. 283,000
In Great Britain September 1, 1938
3 Claims. (Cl. 51—273)



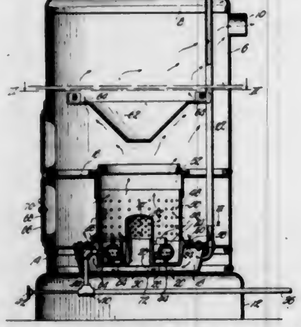
1. A machine for buffing shoes and like articles comprising a pair of substantially coaxial buffing rolls covered with relatively coarse and fine abrasive respectively, a nozzle for releasing a jet of air to blow dust from a shoe, a support constructed and arranged for movement of said nozzle from an out-of-the-way position between said rolls to a convenient operating position, and a valve in said support for controlling the flow of air to said nozzle, said valve being arranged to open upon movement of the nozzle to operating position and to close upon movement of the nozzle to said out-of-the-way position.

2,257,833
SLEEPER FOR RAIL TRACKS
Wolfgang Bäseler, Heinrich Zangl, and Jakob Dietrich, Munich, Germany
Application April 26, 1938, Serial No. 204,340
In Germany April 26, 1937
4 Claims. (Cl. 238—83)



1. As an article of manufacture, a compound cross tie or sleeper for rail tracks fabricated of a plurality of separate parts fitted together to form an elongated member and arranged to distribute over a large surface the stresses imposed thereupon when the tie is subjected to use, said parts being secured together solely at their contact surfaces by an adhesive and formed at the ends of the tie with relatively massive structures which increase the ballast contact area at the rail seatings, certain of said contact surfaces extending in horizontal planes of substantial area longitudinally of said tie, whereby shearing stresses due to loading will be distributed throughout said planes, wherein a plurality of said separate parts consist of timber pieces, and wherein some of said timber pieces are positioned with respect to other timber pieces so that the fibers of the first said timber pieces cross with respect to the fibers of said other timber pieces so as to increase the shearing strength of the tie structure.

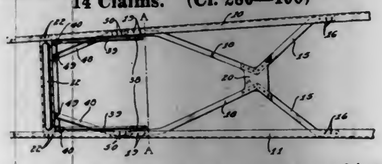
2,257,834
OIL BURNER
Frank B. Behee, Leavenworth, Kans.
Application September 18, 1939, Serial No. 295,434
3 Claims. (Cl. 126—93)



1. In an oil burner of the character described a case provided with a flue at the upper portion thereof; a perforated partition in the lower portion of the case to provide an air chamber in the case below the partition; an air inlet duct extending through the case from the upper portion thereof to the air chamber; an annular vaporizer mounted on the partition and joined to a source of oil supply; a cylindrical, perforated chimney extending around the vaporizer thereabove to define a combustion chamber; and a perforated dome projecting upwardly from the partition at the axis of said annular vaporizer, said case having a deflector therein above said cylindrical chimney to direct products of combustion toward said air duct as the said products approach

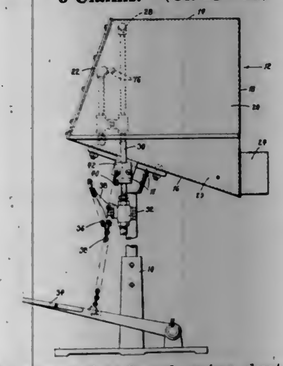
the flue, said partition having a perforated plate thereon movable to and from a position where the perforations thereof are in register with the perforations of said partition to alter the amount of air passing upwardly into the case from the air chamber.

2,257,835
MOTOR VEHICLE
Frank C. Best, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application January 3, 1939, Serial No. 249,130
14 Claims. (Cl. 280—106)



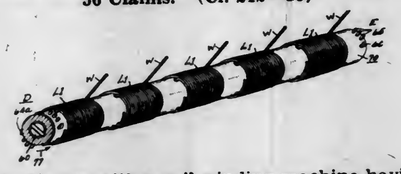
1. In a motor vehicle frame, the combination with generally longitudinally extending side frame members, of an X-frame structure extending between and secured to said side frame members, a transversely extending cross frame member secured to said side frame members near the forward ends of the latter, and structural means inclined with respect to the common plane of the side frame members and secured to and acting in compression between each side frame member and said cross frame member to resist upward bending of the forward ends of said side frame members.

2,257,836
APPARATUS FOR CLEANING DUST FROM SHOES
Fred H. Brown, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application October 19, 1939, Serial No. 300,152
3 Claims. (Cl. 15—14)



1. An apparatus for cleaning dust from shoes, comprising a cabinet having top, bottom, side, and back walls, said bottom wall sloping downwardly and rearwardly to the back wall, said cabinet having also at its rear lower portion an outlet for connection to a suction system, an air nozzle directed downwardly and rearwardly to blow dust from a shoe within the cabinet toward said outlet, and means for supporting said nozzle in a position adjacent to the forward edge of said upper wall.

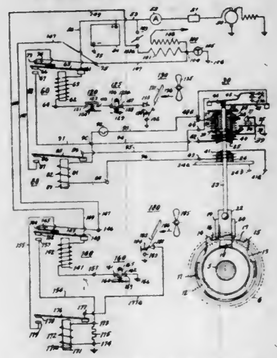
2,257,837
COIL WINDING MACHINE
James S. Burge and Otis K. Gray, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 9, 1939, Serial No. 294,130
56 Claims. (Cl. 242—10)



1. For use with a coil winding machine having an arbor and means for rotating it, a flat anchoring strip of flexible material adapted to be formed around the arbor and to be retained by the winding of wire thereon and having provisions near each end thereof adapted to cooperate with means provided by machine driven members which support the ends of the arbor and having means for the attachment thereto, before forming the strip around the arbor, of wires leading from supply spools.

18. A multiple coil winding machine comprising the combination of a driving spindle, an arbor driven thereby for supporting a plurality of coil sections wound simultaneously thereon, means for simultaneously feeding strips of paper to the arbor, fingers locatable adjacent the arbor but spaced therefrom and means for directing the leading ends of said strips in between the arbor and the wires leading thereto and means for advancing the fingers into operating position during the application of paper to the arbor and for retracting them from the arbor so as to permit the completion of the winding of a layer of wire turns.

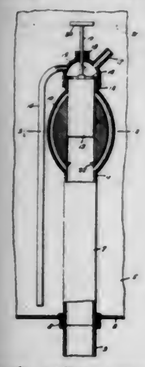
2,257,838
IGNITION CONTROL SYSTEM
Edward M. Claytor, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 25, 1940, Serial No. 325,705
6 Claims. (Cl. 74—472)



1. An ignition control system for automotive use comprising a current source, electrical ignition apparatus, a switch for connecting the ignition apparatus with the battery, means for withholding the operation of the ignition apparatus for a predetermined time, means responsive to the closing of the ignition switch for preconditioning said ignition withholding means for

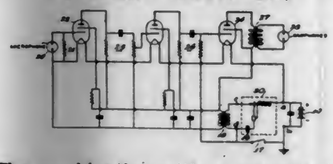
operation, and means controlled by the driver for rendering the ignition withholding means effective.

2,257,839
FLUSH TANK VALVE
Paul Dixon, Omaha, Nebr.
Application August 9, 1938, Serial No. 223,979
2 Claims. (Cl. 137—104)



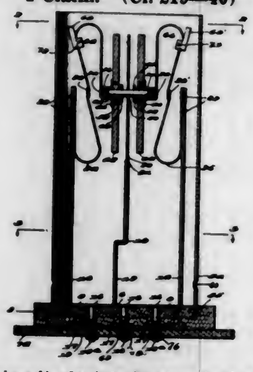
1. A flush tank valve comprising a vertical water supply pipe terminating in an enlarged head having a passage therethrough forming a continuation of the pipe interior head, a plunger vertically movable in the head, a by-pass extending substantially vertically in the head and having its ends communicating with the passage of the head at vertically spaced points, said plunger being of a length shorter than the distance between the ends of the by-pass and adapted to close the upper end of said by-pass when moved to its uppermost position, a stop in the head for supporting the plunger when in lowered position, said stop being located above the lower end of the by-pass and a float operative above the head and provided with a connection to said plunger.

2,257,840
HEARING AID AMPLIFIER
William Dubilier, New Rochelle, N. Y.
Application March 15, 1940, Serial No. 324,113
10 Claims. (Cl. 179—107)



1. The combination with a wearable hearing aid device for use where the loss in amplitude response is accompanied by a substantial deficiency with respect to the audible notes within a partial range of the normal audible sound spectrum, of an electron tube amplifier for raising the sound amplitude, said amplifier requiring cathode heating current of relatively low voltage and anode operating current of relatively high voltage, a source of low voltage direct current, means for directly drawing cathode heating current from said source, and further means for deriving anode operating current from said source including a vibrating device for periodically interrupting a fractional current drawn from said source at a frequency within the deficiency range of the ear for which the device is destined, means for stepping up the voltage of the interrupted current impulses, and means for directly utilizing the stepped-up voltage impulses as anode operating voltage for said amplifier.

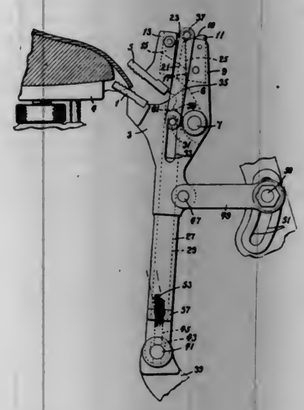
2,257,841
WATER HEATER
Bernard L. Elam, Knoxville, Tenn.
Application April 6, 1940, Serial No. 328,357
1 Claim. (Cl. 219—40)



A fluid circuit electric heater, including a base formed of insulating material, an upright formed of metal secured to said base, a fixed electrode affixed to said upright, a movable electrode spaced from the fixed electrode, insulating support means movably supporting said movable electrode on said fixed electrode, a second of said uprights spaced from the first upright and secured to said base, a bimetallic thermostatic element electrically connecting said second upright and said movable electrode whereby to increase the space between said electrodes in accordance with increase in the temperature of the surrounding fluid, and a metallic shield supported on said base substantially surrounding said electrodes, uprights and said bimetallic thermostatic element, said shield being electrically connected by a member to the first-mentioned upright whereby, when said electrodes are respectively connected to lines of an electric power supply circuit, to prevent current leakage therefrom.

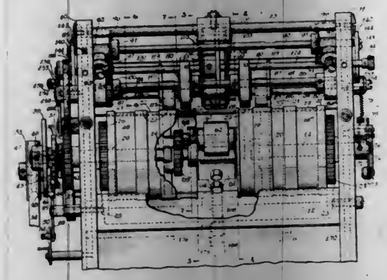
2,257,842
MACHINE FOR SHAPING UPPERS OVER LASTS
Harold Ernest Elliott, Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application November 25, 1940, Serial No. 366,967
In Great Britain January 13, 1940
5 Claims. (Cl. 12—11.1)

1. In a machine for shaping uppers over lasts, a gripper for pulling an upper over a last positioned bottom downward, said gripper comprising a jaw support having an upper-gripping jaw in fixed relation thereto for engaging the inner face of the upper, a cooperating upper-gripping jaw arranged to engage the outer face of the upper and mounted for swinging movement toward and from said first-named jaw, and a member movable heightwise of the last in a downward direction relatively to said jaw support to impart upper-gripping movement to said swinging jaw and further movable in the same direction to impart upper-pulling movement to both the jaws and the jaw support while maintaining the grip of the jaws on the upper, said member being arranged to apply



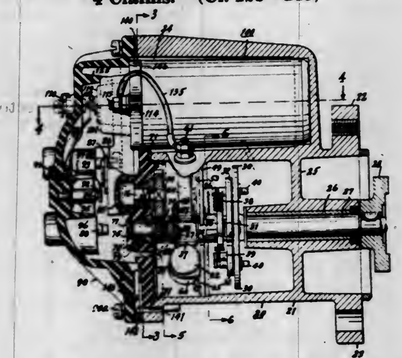
to the swinging jaw in the pulling of the upper a force more effective to maintain the grip on the upper the greater the thickness of the upper.

2,257,843
SHEET FEEDING MECHANISM
Walter B. Payne, Rochester, N. Y., assignor to The Todd Company, Inc., Rochester, N. Y., a corporation of New York
Application September 6, 1940, Serial No. 355,661
22 Claims. (Cl. 271—41)



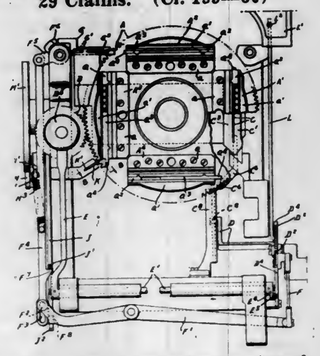
1. In a sheet feeding apparatus, a support for a stack of sheets to be fed in successive order therefrom, rotatable feed means arranged to engage and feed the adjacent sheet of said stack in a predetermined direction, retarding means for yieldably resisting the passage of a sheet through said apparatus, auxiliary feed means intermittently movable with said feed means to engage said sheet, said auxiliary means projecting radially adjacent the periphery of said feed means for engagement with said sheet, means for rotating said feed means, and mechanism for intermittently moving said auxiliary means to engage said sheet and overcome the resistance of said retarding means to advance said sheet in said predetermined direction to initiate the feeding movement thereof.

2,257,844
COIL-TIMER-DISTRIBUTOR UNIT
John T. Fitzsimmons and Herman L. Hartzell, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 22, 1940, Serial No. 330,848
4 Claims. (Cl. 123—148)



1. A coil-timer-distributor-ignition unit comprising a housing providing a timer-chamber and coil-chamber in substantially parallel relation, an ignition timing circuit interrupter within the timer-chamber and operated by a timer-shaft having a bearing therein, a cover for the timer-chamber, a distributor rotor rotatably supported by the timer-chamber cover, reduction gears supported by the timer-chamber cover for connecting the rotor with the timer-shaft, an ignition coil located within the coil chamber and electrically connected with the timer-interrupter and distributor rotor, and a distributor cover enclosing the rotor, timer-chamber cover and ignition coil, and providing spark plug cable sockets and associated distributor posts with which the rotor cooperates to distribute sparking impulses.

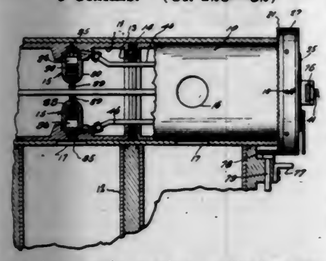
2,257,845
SLUG CASTING MACHINE
Paul Hilpman, Garden City, N. Y., assignor to Mergenthaler Linotype Company, a corporation of New York
Application July 27, 1940, Serial No. 347,886
29 Claims. (Cl. 199—60)



1. A slug casting machine equipped with a plurality of slotted molds mounted on a disc arranged for rotary adjustment by a driving pinion to bring any selected mold into use, which pinion is movable to uncouple it from and re-

couple it with its driving mechanism before and after such rotary adjustment of the disc respectively, and with an ejector mechanism adjustable as to blade width to correspond with the slot length of the selected mold; characterized in this, that the mechanism provided for effecting such ejector blade adjustment includes devices controlled by said movement of the driving pinion for effecting a neutral setting of the ejector mechanism, means also controlled by said movement of the driving pinion and operable during the first machine cycle after the selection of a mold by the rotary adjustment of the disc to effect the proper adjustment of the ejector mechanism, and instrumentalities associated with the selected mold for controlling such adjustment.

2,257,846
FUEL PUMPING AND SCAVENGING MECHANISM
Paul Gordon Horstman, Ida Grove, Iowa
Application February 21, 1939, Serial No. 257,738
6 Claims. (Cl. 123—32)



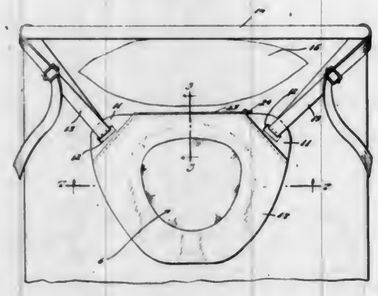
1. In a two-cycle engine, cylinders each having a port for the admission of air and fuel, a rotatable sleeve common to all of the cylinders, said sleeve being provided with fuel injectors for injecting fuel into the cylinders through the said ports, said sleeve being provided with a port for scavenging and air admissions in each of the cylinders registrable with the port of the corresponding cylinder, and force means for forcing air through the sleeve and through the ports of the cylinders when the ports of the sleeve communicate the sleeve with the ports of the cylinders.

2,257,847
REFRIGERATING APPARATUS
James W. Jacobs, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application December 29, 1937, Serial No. 182,295
2 Claims. (Cl. 62—108.5)



1. A grid for disposition in a freezing tray comprising, a longitudinal partition composed of two substantially inflexible members disposed one above the other in substantially the same vertical plane and a plurality of substantially inflexible partitions extending transversely to said longitudinal partition in spaced apart relation along the length thereof, said partitions being movably interlocked together to provide a unitary grid structure forming walls of a plurality of ice block compartments, said transverse partitions being normally inclined at an angle with respect to the vertical, one member of said two membered longitudinal partition being movable lengthwise of the other member thereof, means for moving said one member of said longitudinal partition lengthwise of the other member thereof, the interlocking of said transverse partitions with said longitudinal partition being such that said transverse partitions are tilted toward the vertical upon movement of said one member lengthwise of the other member of said two membered longitudinal partition for liberating ice blocks from their compartment walls, and means associated with said grid structure constructed and arranged to be actuated by movement of certain of the movable elements of the grid for moving a portion of the liberated ice blocks upwardly a substantial distance above the top surface of the grid structure to facilitate harvesting of ice blocks therefrom.

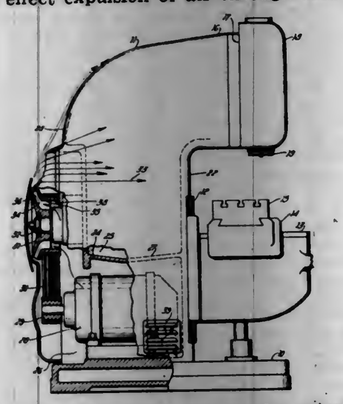
2,257,848
HIP REST
Edith M. Larkin, Lewiston, Idaho
Application September 20, 1940, Serial No. 357,645
3 Claims. (Cl. 5—327)



1. In an invalid cushion, a body member formed of substantially rigid material, said body member being provided with a center opening and having the top surface thereof sloping inwardly from the outer marginal edge thereof towards said opening, a cushion element mounted on the top side of said body, said cushion element being of substantially ring shape to provide an opening, said opening aligning with the opening in the body member and said cushion element being of resilient material, a surface covering of rubberized fabric for said cushion element and secured at its inner and outer marginal edges to said body member said body member having parts thereof extending laterally beyond said cushion element and apertured, and retaining straps for the cushion threaded through the apertures in said extended parts of said body member for use in securing the cushion in position against casual displacement.

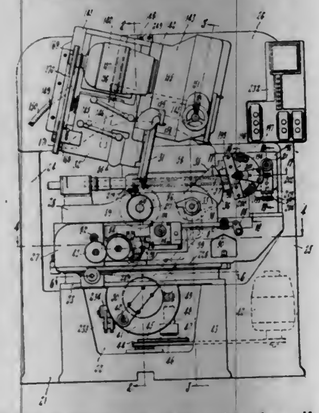
2,257,849
MACHINE TOOL TEMPERATURE CONTROL
Mario E. Martellotti, Cincinnati, Ohio, assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio
Application March 20, 1940, Serial No. 324,985
11 Claims. (Cl. 90—11)

1. In a machine tool having a work support, a tool support, a structural member including a series of walls for interconnecting and supporting said supports in fixed cooperative relation, the combination of a turret head projecting from one of said walls and having peripheral slots formed therein, a fan mounted for rotation under said turret head and means for rotating said fan to effect expulsion of air through said slots



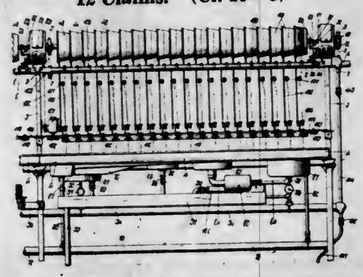
in parallel adjacent relation to the exterior of said walls for controlling the temperature thereof.

2,257,850
GENERATIVE GEAR GRINDING MACHINE
Edward W. Miller, Springfield, Vt., assignor to The Fellows Gear Shaper Company, Springfield, Vt., a corporation of Vermont
Application March 16, 1939, Serial No. 262,125
16 Claims. (Cl. 51—123)



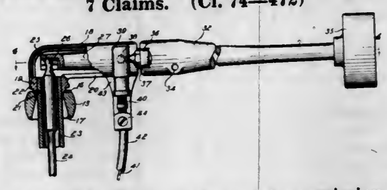
1. A machine of the character described comprising a supporting structure, a cutting tool rotatably mounted on the supporting structure and having an active face, a carriage movable in a path transverse to the active face of the tool, a work spindle mounted rotatably on the carriage adapted to support a toothed work piece with the side of a tooth thereof in contact with said active face, a cam mounted rotatably on the carriage, an abutment mounted on the supporting structure in position to receive the thrust of said cam, gear elements connected with the spindle and cam respectively, and a bar having rack elements in mesh with said gear elements for transmitting angular movement from the cam to the spindle, the rack element which is meshed with the gear element on the spindle having its teeth in the form of continuous helical convolutions and being rotatable for indexing the work spindle.

2,257,851
MULTISPOOL REELING MACHINE
Saburo Minorikawa, Koishikawaku, Tokyo, Japan, assignor of one-half to Katakura Seishi Boseki Kabushiki Kaisha, Kyobashi, Kyobashiku, Tokyo, Japan
Application December 29, 1938, Serial No. 248,352
12 Claims. (Cl. 19—3)



1. In a reeling machine, a frame, reeling axles rotatably mounted in the opposite sides of said frame, reeling spools carried by each of said axles, a main axle common to the reeling axles, variable speed transmission gearings connecting the main shaft with the reeling shafts for driving the latter at independently variable speeds, a rotary fibre feeding device for each spool, a reeling pan underneath the feeding devices, a stopping device for each spool operated in dependence upon the tension of the thread, reciprocating bars, thread guides carried by said bars, and means for actuating said bars in dependence upon rotation of the reeling axles to guide the threads onto said spools.

2,257,852
COMBINATION TRANSMISSION AND THROTTLE CONTROL
John Nicol, Detroit, Mich., assignor to Divco-Twin Truck Company, Detroit, Mich., a corporation of Michigan
Application November 30, 1938, Serial No. 243,252
7 Claims. (Cl. 74—472)

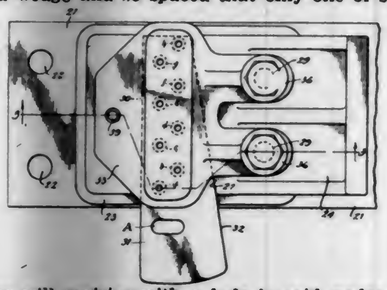


1. A combined throttle and transmission operating mechanism comprising a swingably mounted lever adapted to be operatively connected to the transmission, a manually operable handle member movably mounted on the free end of said lever, a flexible throttle actuating cable supported adjacent an end by said lever and a universal connection between said cable and handle member.

2,257,853
LOCKING DEVICE FOR ADJUSTABLE RAILROAD BRACES
William E. Olds, Chicago, Ill.
Application May 13, 1940, Serial No. 334,740
4 Claims. (Cl. 238—292)

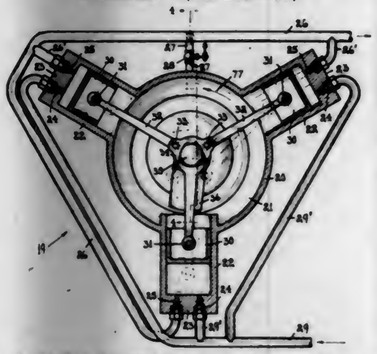
1. An adjustable brace comprising a stationary member, a movable member, an interjacent wedge slidable between said members to spread

them apart and adjust the space between them, a series of holes in said wedge and equally spaced therein, a plurality of rows of holes in said stationary member positioned adjacent the holes in said wedge and so spaced that only one of said



holes will register with a hole in said wedge at a time and that successive registrations will be effected when said wedge is advanced by steps of a uniform distance along said stationary member, and a locking pin to project through said wedge into said stationary member.

2,257,854
PRESSURE REGULATOR FOR FLUIDS
Joseph A. Peterson, Chicago, Ill.
Application July 12, 1938, Serial No. 218,872
5 Claims. (Cl. 103—38)



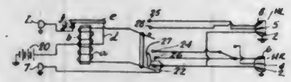
1. A device for the purpose described comprising a bearing having an annular groove disposed upon the inner annular wall thereof, said groove being adapted to receive oil under pressure therein, a housing adapted to be connected to an engine for rotating said housing in said bearing, said housing having an annular wall portion disposed across said groove for confining said oil in said groove, a cylinder carried by said housing having an aperture adjacent one end thereof disposed in communication with said groove for admitting said oil under pressure to said cylinder during revoluble movements of said housing and cylinder, a piston-head in said cylinder provided with a piston-rod disposed through that end wall thereof which is opposite with respect to said aperture, a spring for urging said piston-head toward said aperture, said oil under pressure being adapted to slide said head and rod against the urge of said spring a distance commensurate with the degree of said pressure and the opposing urge of said spring, a fork secured to the piston-rod outwardly of said cylinder adapted to abut the latter for limiting sliding movements of the piston-head in one direction, said housing being provided with a bore disposed in approximate alignment with and at one side of the axis of said housing, a sleeve disposed in said bore having an end engaged with said fork for causing simultaneous longitudinal sliding movements of said sleeve and piston-rod, said sleeve being provided with a spiral groove upon the inner annular wall thereof, a rotatable crank-shaft disposed through said bore and sleeve, detent means carried by said housing for preventing longitudinal sliding movements of said crank-shaft, said crank-shaft having a spiral rib cooperatively disposed in said spiral groove of said sleeve for rotating said crank shaft during sliding movements of said sleeve and piston-rod, a crank-arm carried by said crank-shaft provided with a crank-throw pin, said crank-pin being swingable toward and away from the axis of said housing at times when said crank shaft is rotated upon the axis for providing said pin during a revolution of said housing, with a circular path of movement the radius of which is proportional to the degree of said pressure, said crank-pin being adapted to have a driving connection with an oil pumping mechanism for supplying a degree of oil under pressure to said cylinder proportional to the speed of said engine.

2,257,855
FASTENER
Bion C. Place, Detroit, Mich., assignor of one-half to George E. Gagnier, Detroit, Mich.
Application March 27, 1939, Serial No. 264,420
4 Claims. (Cl. 189—88)



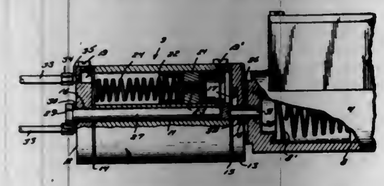
1. In combination, a support having apertures, fasteners having stud parts engaged in said apertures and aligned head parts comprising inwardly curved portions extending away from said support, the stud part of each fastener including a hook-like leg engaging one side of one of said apertures and a curved leg presenting a yieldable holding shoulder engaging the other side of said aperture, certain of said fasteners being reversed with respect to others so that said hook-like legs engage said apertures at one side and others at the other side, and a molding having inturned flanges snapped into engagement with said curved portions of the heads of said fasteners.

2,257,856
LIGHTING SYSTEM
William J. Rady, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 25, 1938, Serial No. 197,980
2 Claims. (Cl. 177—311)



1. A lighting system for automotive vehicles comprising a current source, a plurality of filament circuits including head lamp main filaments, of a designated current draft, head lamp auxiliary filaments of a different current draft and a tail lamp filament, a signal lamp, a relay for connecting the signal lamp with the current source and provided with differential windings each connectible with separate filaments and which, if in approximate balance, maintains the signal lamp circuit open, and which, if out of balance by a certain amount, will close the signal lamp circuit, switching means for selectively connecting the current source with selected combinations of filaments and, for arranging the selected combinations in two circuits from the current source, each circuit from the current source including a winding of the relay and a head lamp filament, said tail lamp filament, when the selected combination of head lamp filaments includes filaments of different current draft, being connected with the relay winding joining the filament of lesser current draft.

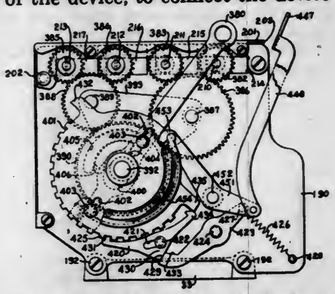
2,257,857
HYDRAULIC BRAKE
Charles E. Richards, Clarksburg, W. Va., assignor of one-half to Okey Marshall, Clarksburg, W. Va.
Application April 1, 1941, Serial No. 386,349
2 Claims. (Cl. 303—84)



1. In a hydraulic brake system for an automobile having four wheel brakes, the combination with a master fluid pressure cylinder, of a cylinder block including a plurality of auxiliary cylinders, one for each of the brakes, grouped around a common center, a pair of cylinder heads for opposite ends of said block, respectively, means to attach said block to the master cylinder with the latter in communication with one end of each of said auxiliary cylinders to introduce pressure thereinto, pistons in said auxiliary cylinders spring tensioned against such pressure in the auxiliary cylinders, and means to establish communication between the other ends of said auxiliary cylinders and said brakes, respectively, comprising separate fluid pressure lines, the means first-mentioned comprising a single headed shaft extending axially through said block and through said heads, said shaft having a tail end threaded into said master cylinder and ported axially and diametrically, and one of said cylinder heads having a central countersink in the inner face thereof opening into each of said auxiliary cylinders and surrounding the diametrical ports.

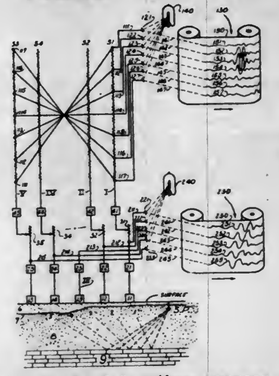
2,257,858
RESETTING MECHANISM
William H. Robertson, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Original application June 22, 1938, Serial No. 215,131. Divided and this application May 20, 1940, Serial No. 336,182
3 Claims. (Cl. 235—144)

1. In a machine of the class described, a plurality of groups of counters; a plurality of shafts, one for each group of counters and having means thereon to reset the counters associated therewith; a pair of coaxial gears; means connecting one of said gears to certain of said shafts and the other of said gears to the remaining shafts; a manipulative device shiftable to a plurality of positions adjacent said gears; and a projection on said device selectively cooperable with one or the other of said gears depending upon the position of the device, to connect the device to the



gears so that they may be selectively operated thereby.

2,257,859
METHOD AND APPARATUS FOR RECORDING WAVES
Esme E. Rosaire and Fabian M. Kannenstine, Houston, Tex., assignors, by mesne assignments, to said Rosaire
Application March 8, 1937, Serial No. 129,552
9 Claims. (Cl. 181—0.5)

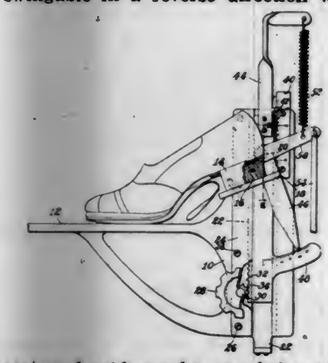


2. The method of locating sources of elastic waves which comprises translating the vibrations from a disturbance into recordable impulses at points spaced from the disturbance, compensating for irregularities by delaying the plurality of impulses by adjustable amounts, further delaying the impulses by predetermined amounts, compounding the delayed impulses and recording the compounded impulses.

2,257,860
MEASURING DEVICE
Harley W. Russ, Haverhill, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application June 17, 1939, Serial No. 279,713
4 Claims. (Cl. 33—3)

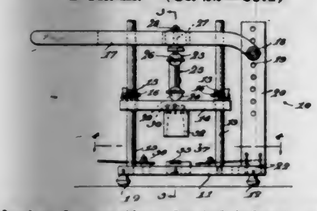
1. A measuring device comprising a platform adapted to support the bottom of the forepart of an article having a heel seat the wedge angle of which is to be measured, a heel seat engaging member adapted to be positioned angularly with respect to said platform in accordance with the wedge angle of the heel seat when said member and the heel seat are seated on each other, said member and platform being mounted for

relative movement heightwise thereof, said member also being mounted to swing about an axis tangent to the periphery of the heel seat at its rearmost point and so constructed as to swing forward when not engaged with the heel seat but swingable in a reverse direction when the



heel seat and said member are being seated on each other, and means for measuring the inclination of said member and its height at said axis with respect to said platform whereby the wedge angle of the heel seat and its height at its rearmost point are determined.

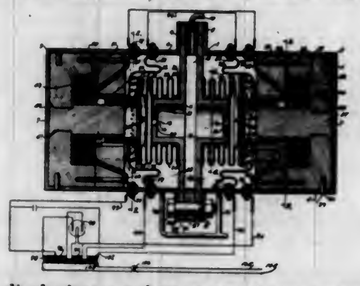
2,257,861
DENTIST'S CASTING MACHINE
Henry H. Samuels, Rustenburg, Transvaal, Union of South Africa
Application July 8, 1940, Serial No. 344,408
In Union of South Africa June 30, 1939
1 Claim. (Cl. 22—69.1)



A device for casting dental inlays, comprising a flat base having a central foraminous portion, two oppositely arranged uprights carried by the base on the outside of the foraminous portion, horizontally adjustable clamping means carried by the base for adjustably holding a casting ring on the foraminous portion of the base, a carriage vertically movable on said uprights, means carried by the carriage for holding the same in its adjusted position on the uprights, a standard carried by the base beyond the uprights, a lever pivotally connected to the standard and straddling the uprights, a link interposed between the carriage and the lever and having ball and socket connections with the same, a tapering sleeve mounted on the underside of the carriage adapted to form sealing engagement with a casting ring held on said base.

2,257,862
ELECTRODYNAMIC COMPRESSOR
Emmett F. Sarver, Hays, Kans., assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application November 8, 1937, Serial No. 173,389
3 Claims. (Cl. 230—55)

1. In a device of the character described, walls forming a chamber, a pair of opposed fluid displacing members carried by the walls and discharging into said chamber, a dynamic coil for each displacing member, a non-magnetic support connecting the respective dynamic coils with



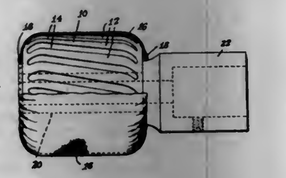
their displacing members, magnets for establishing magnetic fields in the zone of said dynamic coils, and means simultaneously supplying to said coils an alternating electrical current at commercial frequencies to effect synchronous movement of the coils to pulsate the displacing members.

2,257,863
ATTACHMENT FOR LADDERS
Henry Schwarz and Charles A. Ellers, Montague, Mich.
Application August 21, 1939, Serial No. 291,245
1 Claim. (Cl. 228—60)



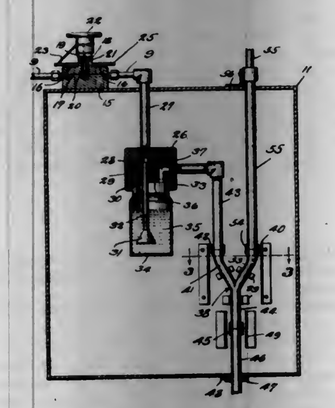
The combination with a ladder having side rails and rungs, of a pair of U-shaped wear plates disposed to straddle the side rails of the ladder at the rear edges and both side faces of the respective rails at a point above and near the second rung from the top of the ladder, a pair of bolts passed through the sides of each wear plate and through a respective rail of the ladder, one of the bolts projecting beyond the inner side of the wear plate and forming a pivot bolt, the other bolt projecting beyond the inner side of the wear plate and forming a stop, and a spacer having side bars engaged against the inner sides of the wear plate and provided at the ends with openings loosely receiving said pivot bolt, said spacer being adapted to extend horizontally from the side rails of the ladder and rest upon the stops in operative position, said spacer being adapted to be rocked between the side rails to engage the top rung of the ladder in released position.

2,257,864
SURFACING WHEEL
John J. Sheehan, Lynn, Mass.
Application November 10, 1938, Serial No. 239,814
2 Claims. (Cl. 12—79.5)



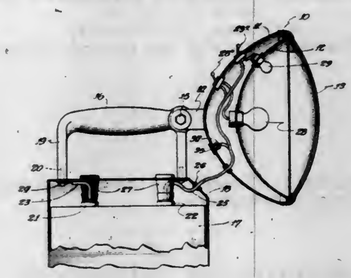
1. A shoe finishing wheel of the class described, comprising an annular body of resilient rubber having a plurality of resilient rubber ribs integral with the body at and around its periphery and separated by grooves extending into the body, the ribs and grooves extending diagonally across the wheel at a slight angle to the wheel axis and the radial thickness of the body from the bottoms of the grooves being substantially greater than the depth of the grooves whereby providing a relatively thick cushioning mass of rubber resiliently supporting the ribs.

2,257,865
CHLORINATOR
Clair Vere Swearingen, Chattanooga, Tenn.
Application November 24, 1939, Serial No. 306,022
2 Claims. (Cl. 210—28)



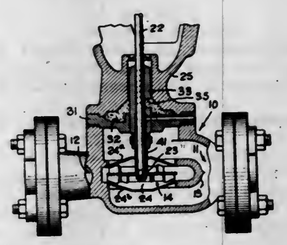
1. In a water chlorinator, a fragile and non-metallic Y including a depending shank and first and second branches, an outlet member for chlorinated water, a resilient slip-sleeve coupling connecting the outlet member to the shank, a source of water supply, a resilent slip-sleeve coupling connecting the first branch to the source of water supply, a chlorine conduit, a resilient slip-sleeve coupling connecting the second branch to the chlorine conduit, the chlorine conduit comprising a transparent, inspection portion, removable guard means housing the Y and the couplings, and means for supplying chlorine to the chlorine conduit.

2,257,866
CHARGING SYSTEM FOR ELECTRIC LAMPS
Cyrus G. Talbot and Adrian H. Townsend, Chicago, Ill.
Application January 21, 1939, Serial No. 252,182
1 Claim. (Cl. 240—10.63)



A lighting unit comprising an encased battery, an external independent lamp head at a distance therefrom, means extended from the battery case to support the lamp head, a light-bulb in the latter, a circuit to operate the light-bulb from the battery, and a charging receptacle connected to said circuit and carried by the lamp head for the application of a charging unit at a point distant from the battery, whereby to render the receptacle immune to acid fumes issuing from the battery during the charging operation.

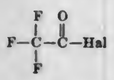
2,257,867
WATER CIRCULATOR
Marquis O. Thrush, Peru, Ind., assignor to The Thrush Company, Peru, Ind.
Application September 27, 1940, Serial No. 358,735
9 Claims. (Cl. 103—115)



9. For use in a house heating system including liquid conduits, means for producing forced circulation of liquid in said conduits comprising a casing having an impeller chamber therein, an impeller in said chamber consisting of two sheet metal stampings with a series of blades struck from the peripheral portions thereof, open slots being left in the portions of the stampings from which the blades were struck, said stampings being so united that the blades of one stamping are in alternate or staggered relation to the blades of the other stamping and the slots of one stamping are covered by the other stamping, means for fastening said stampings in assembled relation with their bodies substantially parallel and in contact, the inner ends of said blades terminating outwardly of the center of the impeller and permitting free circulation of liquid across the impeller through said casing when the impeller is idle.

2,257,868
TRIFLUOROACETYL HALIDE AND A PROCESS OF MAKING IT
John M. Tinker, Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 28, 1939, Serial No. 306,578
6 Claims. (Cl. 260—544)

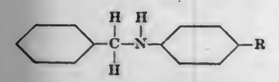
3. New compounds of the general formula



wherein Hal is a member of the group consisting of chlorine and bromine.

2,257,869
INSULATING OIL COMPOSITIONS
Charles E. Trautman, East McKeesport, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application March 22, 1940, Serial No. 325,479
4 Claims. (Cl. 252—63)

2. A transformer oil composition comprising a transformer oil and a small amount of a dissolved compound represented by the structural formula



wherein R is selected from the class consisting of methoxy and ethoxy groups.

2,257,870
INSULATING OIL
Charles E. Trautman, East McKeesport, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application October 31, 1940, Serial No. 363,752
4 Claims. (Cl. 252—64)

1. An electrical insulating oil composition comprising a petroleum oil having a stabilizing amount of an alkali insoluble 2,4,6-tri-alkylated mono-hydroxy phenol and a stabilizing amount of N-tetrahydrofurfuryl-p-aminophenol dissolved therein.

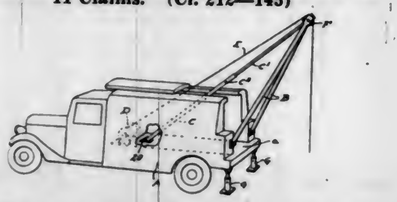
2,257,871
INSULATING OIL COMPOSITION
Charles E. Trautman, East McKeesport, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application November 9, 1940, Serial No. 365,128
4 Claims. (Cl. 252—64)

1. In the operation of electrical transformers containing a petroleum oil as a dielectric and cooling medium, the improvement which comprises maintaining a small amount of trithiophenyl phosphate in said oil to substantially inhibit oxidational changes which would otherwise take place in said oil during normal conditions of such use.

2,257,872
INSULATING OIL COMPOSITION
Charles E. Trautman, East McKeesport, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application November 9, 1940, Serial No. 365,129
7 Claims. (Cl. 252—64)

1. As a new and improved transformer oil, a transformer oil containing in admixture therewith relatively small amounts of trithiophenyl phosphate and of 2,6-di-tertiary-butyl-4-methyl phenol, the said improved transformer oil being highly resistant to sludging and to other oxidational deterioration under service conditions and the amount of such combination of improvement agents being less than 1 per cent.

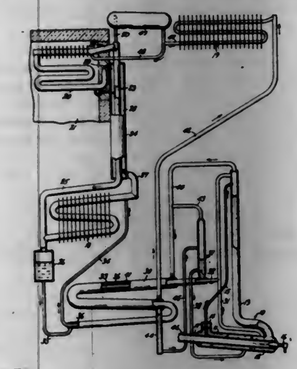
2,257,873
DERRICK ANCHORAGE
Herman J. Troche, Cleveland Heights, Ohio, assignor to The American Coach & Body Company, Cleveland, Ohio, a corporation of Ohio
Application October 2, 1940, Serial No. 359,390
11 Claims. (Cl. 212—145)



1. The combination of a utility vehicle having a floor, derrick legs pivotally carried at the rear of the vehicle adapted to extend in an inclined direction upwardly and outwardly, a strut member connected at its upper end to the derrick legs, and an anchorage device for said strut member which device is pivotally mounted on a frame member of the vehicle and has a portion I-shaped in cross section, the lower end of said strut member being bifurcated at its end to provide wings embracing the web of such I-shaped portion.

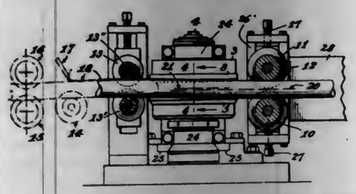
2,257,874
REFRIGERATION
Hugo M. Ullstrand, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application January 4, 1938, Serial No. 183,256
14 Claims. (Cl. 62—119.5)

11. An absorption refrigeration system containing pressure equalizing fluid, refrigerant fluid, and liquid absorbent for the refrigerant fluid, and having a heater for causing expulsion of refrigerant vapor from absorption liquid, a heat exchanger connected in the system to conduct in heat transfer relation out of physical contact absorption liquid flowing toward said heater and expelled refrigerant vapor flowing away from said heater, whereby the vapor is rectified by condensation of vaporous absorption liquid accompanying the refrigerant vapor and the latent heat of rectification is conserved by transfer to the absorption liquid flowing toward said heater, means utilizing a force reacting against a column of liquid to cause said flow of absorption liquid, said heat exchanger being located at a level below the upper end of said liquid column, means to drain condensate by gravity flow from said heat exchanger, and means to raise said condensate to a level above the upper end of said column for



flow toward said heater so that the sensible heat in the condensate is conserved.

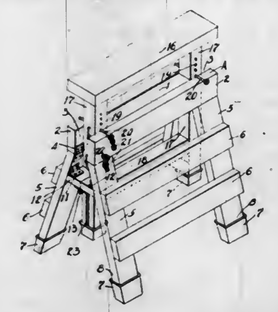
2,257,875
ELECTRIC WELDING MACHINE
John F. Windsor, Chicago, and Clayton Mark, Jr., Evanston, Ill., assignors, by mesne assignments, to The Youngstown Sheet and Tube Company, Youngstown, Ohio, a corporation of Ohio
Original application June 28, 1936, Serial No. 87,532, now Patent No. 2,188,326, dated January 30, 1940. Divided and this application November 17, 1939, Serial No. 304,904
7 Claims. (Cl. 219—6)



1. In apparatus for electrically welding a tube blank having a longitudinal seam, progressively during travel of the blank, a pair of horizontal electrode rolls, and means for displacing the axis of the tube on the upstream side of said rolls from the longitudinal center line of said rolls, said rolls being adjusted vertically to effect said displacement of the tube axis whereby the area of maximum pressure between the electrode rolls and the seam side of the tube lies principally on the downstream side of said rolls.

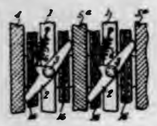
2,257,876
ADJUSTABLE FOLDABLE TRESTLE HORSE
Hubert C. Berchem and John P. Schneider, St. Paul, Minn.
Application March 20, 1940, Serial No. 324,998
3 Claims. (Cl. 304—6)

1. An adjustable, foldable trestle horse including an elevatable load supporting bar, a pair of uprights depending therefrom, a depressed roller guide within said uprights and a guide within said horse wherein the uprights are slidably mounted, foldable hinged distending leg struts including a center hinge, a pair of hinged leg members each foldable toward the other, and a guide roller mounted upon the hinge pin of the center hinge of the foldable hinged distending



leg struts, said guide roller cooperating with and traveling within said guides within the depending uprights to retain a true perpendicular position for said uprights to said horse in any selected position of adjustment substantially as described.

2,257,877
DISK CLUTCH
Richard Binder, Schweinfurt, Germany
Application June 12, 1940, Serial No. 340,099
In Germany June 24, 1939
5 Claims. (Cl. 192—69)

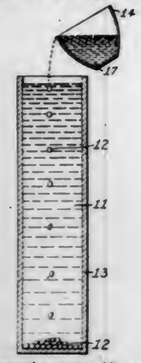


1. In a multiple disk clutch of the type comprising a pair of outer friction disks and an intermediate disk connected for rotation with one element of the clutch, and other disks alternately arranged with respect to said outer and intermediate disks and connected to the other element of said clutch, means for positively spreading said outer disks apart with respect to the intermediate disk when said elements are disengaged, including a two-armed lever pivotally supported intermediate its ends to said intermediate disk and having its two arms slidably engaging said outer disks respectively to move said outer disks away from said intermediate disk upon rotation of said lever about its pivotal support, and spring means normally tending to rotate said lever about its pivotal support for disk spreading action.

2,257,878
PRODUCTION OF METAL SHOT
Joseph H. Brennan, Niagara Falls, N. Y., assignor to Haynes Stellite Company, a corporation of Indiana
Application April 11, 1939, Serial No. 267,249
3 Claims. (Cl. 83—91)

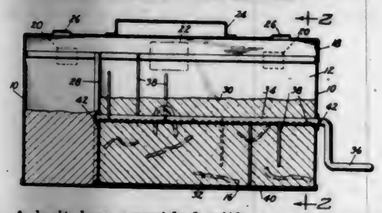
1. In the method of producing shot by dropping into a cooling fluid a stream of molten alloy of iron group (the group consisting of iron, cobalt, and nickel) metal with 5% to 40% chromium which promotes the formation of undesirable, sharp spines on the shot, the improve-

ment which comprises adding to the said molten alloy to be dropped between 0.02% and 0.8%



aluminum which counteracts the spine-promoting effect of the chromium.

2,257,879
BAIT BOX
George M. Graham, Detroit, Mich., assignor to Hinckley-Myers Company, Jackson, Mich., a corporation of Michigan
Application October 9, 1940, Serial No. 360,474
5 Claims. (Cl. 43—55)



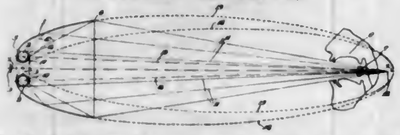
5. A bait box provided with a partition separating the same into two compartments, each compartment adapted to contain granular material and bait, lifting means extending through one compartment and rotatably supported at one end in the partition and at the opposite end in the end wall of the compartment, said lifting means being provided with arms adapted upon swinging movement of the means to swing through the granular material within the lower portion of the compartment and into the upper portion of the compartment above said granular material, said box being provided with a cover.

2,257,880
VALVE MECHANISM AND THE LIKE
Philip S. Harper, Chicago, Ill., assignor to Harper-Wyman Company, a corporation of Illinois
Application March 4, 1940, Serial No. 322,063
16 Claims. (Cl. 251—163)



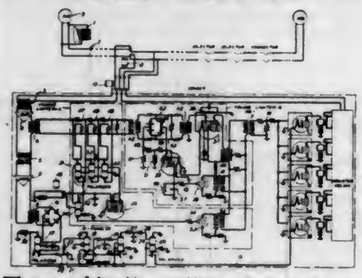
1. In a valve, the combination of intake and outlet means, means disposed between said intake and outlet means for establishing varying flow capacity of said valve including a movable valve member having means establishing said varying flows in accordance with its position, control means for said valve member including a control member having a lost motion connection with said valve member, means cooperating with said control member for indicating one of the positions of said valve member for predetermined flow of fluid through said valve, and said last-named means cooperating with said control member upon angular displacement of said valve member and said control member resisting movement of said valve member when the same is in another position for varying the flow capacity of said valve.

2,257,881
LIGHT PROJECTOR
Joseph F. Jaros, Riverside, Ill.
Application June 3, 1937, Serial No. 146,181
4 Claims. (Cl. 240—1)



1. A light projector comprising an annular shell through which an optical field may extend from an eye or lens behind the projector, said shell having an annular light reflecting surface of a hyper-ellipsoidal type which is substantially that described by the revolution about the axis of said shell of a curve adapted to reflect forwardly and convergingly toward the axis a multiplicity of light rays incident thereon in the plane of the curve from a source in a given position relative thereto, light source means arranged to provide sources of light around said axis on an annular locus of such position, and housing means cooperating with the shell to partially enclose said light source means while permitting light therefrom to impinge on said surface, said housing means including an interiorly toric light reflecting surface which reflects to said first mentioned surface multiples of light rays emitted from said sources in directions other than toward said first mentioned surface, said sources of light being at centers of semicircles defined by intersections of radial planes with said toric surface, and said toric surface extending in front of said light source means and preventing passage from the projector of light rays parallel with said axis.

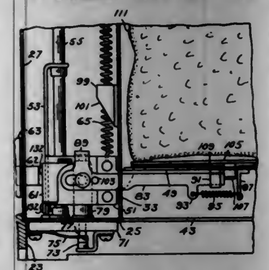
2,257,882
TELEPHONE SYSTEM
Alexis A. Lundstrom, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 11, 1940, Serial No. 360,717
7 Claims. (Cl. 179—18)



1. The combination with a transmission line

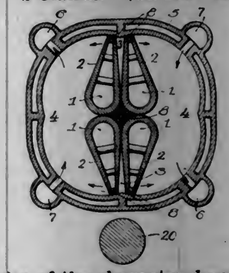
adapted for transmission thereover of signal energy fluctuating over a wide range, of a plurality of channel detectors each adapted to respond to a signal of a definite frequency and predetermined energy level, and two volume limiting means interposed between said line and said channels of which one is responsive to an incoming signal having an energy level higher than said predetermined level to reduce said signal to some value within a defined energy increment above the predetermined level and of which the other is responsive to the same signal to further reduce the level thereof to said predetermined level.

2,257,883
AUTOMATIC ELECTRIC TOASTER
Daniel J. McCarthy, Elgin, Ill., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application December 26, 1939, Serial No. 310,922
4 Claims. (Cl. 219—19)



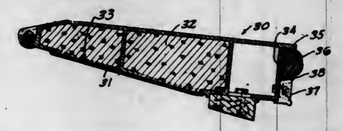
1. A toaster comprising a toast heating element, a bread carrier movable relatively to the heating element into toasting and non-toasting positions, means to bias the carrier to non-toasting position and means to move the carrier to toasting position, the improvement comprising a control switch for said toast heating element, a switch-closing member supported by the carrier and movable relatively thereto into switch closing and non-switch-closing positions, means tending to move said switch-closing member into switch-closing position relatively to the carrier when the carrier is in non-toasting position and means for holding said switch-closing member in position to cause closing of the switch when the carrier is in toasting position and when a slice of bread is on said carrier.

2,257,884
ANGULAR DISPLACEMENT ENGINE OR COMPRESSOR
Paul D. Mize, Chicago, Ill.
Application October 12, 1938, Serial No. 234,659
2 Claims. (Cl. 123—18)



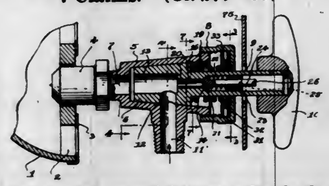
1. A device of the character described, adapted for use as a prime mover, said device embodying an annular casing having four inner surfaces of arcuate shape, a port for each said surface disposed centrally thereof, each said surface inscribed upon a separate radius, and the said radii arranged around and eccentric to the axis of said casing; four piston blade units each comprising a shaft and a piston blade extending radially from one side thereof, said shafts journaled in said casing and adapted for prescribed synchronous oscillatory movement upon axes coincident to the respective radii of said arcuate surfaces, and said blades disposed with their free edges in coactive relation with the respective arcuate surfaces; a portion centrally disposed with regard to said casing and in coactive relation with the four said shafts, said portion, units and casing defining working chambers; means for oscillating said units through their prescribed arcs in a manner such that adjacent said units rotate in opposite directions, each said blade passing its respective port midway of said oscillation, said ports comprising two intake and two exhaust ports disposed alternately relative to said casing; and means for supplying motive fluid under pressure to said intake ports.

2,257,885
DUMP SCOW DOOR
Aloys Neveling, Chicago, Ill., and George Fred Driemeyer, St. Louis, Mo.; said Driemeyer assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Application December 31, 1938, Serial No. 248,656
6 Claims. (Cl. 114—36)



1. In a dump scow door, a frame including an upright web along one edge, a flange projecting therefrom in the general plane of the door, a plurality of clamps detachably secured to said web but spaced from said flange, a bar carried on said clamps and projecting from the frame in the general plane of the door, and a buffer of rubber compressed between said flange and bar and retained thereby in assembled relation with the door and projecting beyond said flange and bar in the general plane of the door.

2,257,886
GAS COCK
Ervin H. Mueller, Grosse Pointe Park, Mich.
Application May 23, 1940, Serial No. 336,684
7 Claims. (Cl. 277—59)



1. A gas cock comprising, a valve body having an inlet and an outlet, a valve member rotatably seated in the body having a main gas passage arranged to open and close the valve by rotary movements of the valve member, an operating stem for the valve member, said stem being of hollow formation and said hollow formation having a reduced section defined by an internal shoulder in the stem, the hollow formation communicating with the main gas passage, said valve

member having a second and smaller gas passage adapted to be registered with the inlet and leading to said reduced section, a rotary control valve having a hollow part positioned in the reduced section and which hollow part communicates with the main gas passageway, said hollow part having a port for registering with the second gas passageway, the control valve member having a shoulder seating upon the internal shoulder in the stem providing a seal against escape of gas, and means for maintaining the seated relationship of the shoulder on the control valve member against the internal shoulder in the stem, said control member being arranged to be rotatably adjusted by access thereto through the hollow stem to vary the degree of registration of its port with the second named inlet passage.

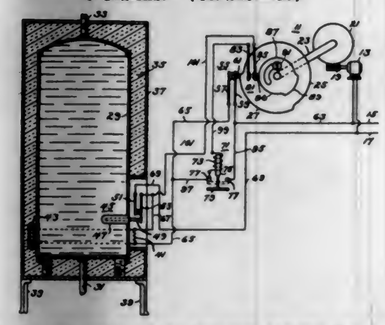
2,257,887

OFF-PEAK WATER HEATING SYSTEM

Clark M. Osterheld, Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware

Application October 28, 1940, Serial No. 363,105

8 Claims. (Cl. 219—39)



1. An off-peak water heating system for a hot water tank having an electric heater, comprising a plurality of heater control switches controlled respectively and jointly by tank water temperature and by time-controlled means effective to cause energization of the heater at the start of an off-peak period if the tank contains an appreciable quantity of cold water at that time and to continue the energization of the heater for a preset length of time after the end of an off-peak period in case of the presence of a predetermined quantity of cold water in the tank at the end of an off-peak period.

2,257,888

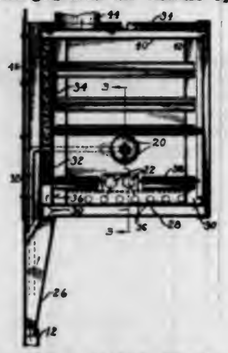
KITCHEN CABINET

Carl B. Parsons, Detroit, Mich.

Original application July 31, 1936, Serial No. 93,600. Divided and this application September 20, 1939, Serial No. 295,806

2 Claims. (Cl. 126—39)

1. An oven having a top wall, a bottom wall, side walls, and an oven door, said top wall having an upper jacketed space filled with insulation and a lower jacketed air space, said bottom wall being jacketed throughout providing an air space throughout, each side wall being jacketed throughout and having a partition separating a relatively narrow portion extending along its bottom margin adjacent to the bottom wall from the portion thereabove, the jacketed portion above the partition being filled with insulation material, the jacketed portion below the partition constituting an air space, a plurality of air openings leading from the air space of the bottom wall into the air space of each side wall, a plurality of air openings leading from the air space of each side wall into the interior of the oven immediately above the bottom wall, said jacketed top wall provided with air passageways leading from the interior of the oven into its air space, an air exhaust leading from said air space of the jacketed top wall, a gas burner supported within the oven spaced above said jacketed air spaces of the side walls and having an intake end portion provided with gas and air intake openings, said



end portion being seated within an opening formed in one side wall of the oven above the partition of said side wall with its intake openings disposed exteriorly of said wall, a gas fuel line leading to and having a discharge jet adapted to direct a gas stream into the gas intake opening of said end of the burner, an air passageway through said side wall of the oven from the interior thereof below the intake end portion of the burner, and a housing outwardly of said side wall enclosing the intake end of the burner and the air passageway through said wall below said end of the burner.

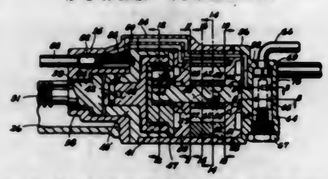
2,257,889

FEEDING MOTOR FOR ROCK DRILLS

William A. Smith, Jr., Cleveland, Ohio, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio, a corporation of Ohio

Application November 27, 1939, Serial No. 306,246

2 Claims. (Cl. 121—9)



1. In a fluid actuated rotary motor of the reversible type, a hollow stator, a rotor within said stator, a plurality of vanes operatively carried by said rotor, a pair of diametrically opposed compartments between said stator and rotor of substantially crescent shape cross section, means including a throttle valve for concurrently admitting motive fluid into two diametrically opposed end portions of said compartments and for exhausting motive fluid from the other two opposed end portions thereof for actuating said rotor by virtue of the action of the motive fluid on said vanes, said throttle valve being operable for reversing admission and exhaust of the motive fluid into and from said diametrically opposed end portions for selectively controlling the direction of rotation of said rotor, and an auxiliary valve capable of preventing admission of motive fluid into two diametrically opposed end portions of said compartments irrespective of said throttle valve.

2,257,890

LUBRICATING COMPOSITION

Reginald G. Sloane, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application October 3, 1933, Serial No. 692,030

5 Claims. (Cl. 252—45)

1. The combination, with a highly refined viscous mineral oil, of a sufficient quantity of a disulfide of an aromatic compound containing only the elements carbon, hydrogen and sulfur, to reduce substantially the tendency of the oil to form acidic material through oxidation.

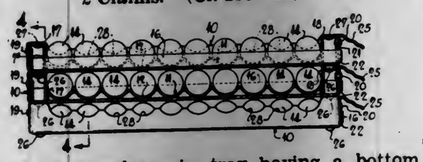
2,257,891

COIN TRAY

William N. Stokes, Charlotte, N. C.

Application February 21, 1940, Serial No. 320,126

2 Claims. (Cl. 133—11)



1. A rectangular coin tray having a bottom and side walls and end walls stamped from one piece of metal, an inverted U-shaped member disposed at each end of the tray and having one leg thereof fitting flush against the end wall and secured thereto, a pair of corrugated metallic false bottom members secured to the bottom of the tray and providing alined transverse grooves for the reception of coins, said bottom members being spaced from each other to provide a longitudinally disposed groove, the U-shaped members and one of the end walls having a hole coinciding with said groove but having its bottom portion disposed above the bottom of the groove, an elongated member adapted to fit into said groove and to project above the highest points of the corrugated false bottom members, the holes in the U-shaped members and the end wall being of substantially greater height than the height of the elongated member, said elongated member having a shoulder on its lower surface adjacent the end thereof disposed adjacent the hole in the end wall so that the elongated member can be removed from its groove after it is lifted to cause its shoulder to clear the end wall defining the lower portion of the hole in the end wall.

2,257,892

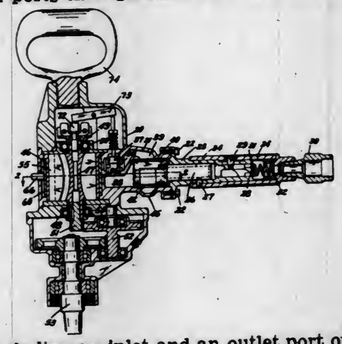
REVERSIBLE ROTARY MOTOR

Paul Van Sittert, Cleveland Heights, Lloyd G. Speth, East Cleveland, and John H. Engeln, Cleveland, Ohio, assignors to The Cleveland Pneumatic Tool Company, Cleveland, Ohio, a corporation of Ohio

Application February 23, 1939, Serial No. 257,824

4 Claims. (Cl. 121—84)

1. In a fluid actuated rotary motor of the reversible type, the combination of a stator having a rotor chamber, a rotor operatively mounted in said chamber, and means for admitting and exhausting motive fluid into and from said chamber including a sleeve surrounding said stator in fluid tight engagement therewith, two sets of ports through said sleeve and stator each



set including an inlet and an outlet port opening into said chamber, said sleeve being rotatable on said stator for moving one of its sets of ports into and the other set out of communication with the corresponding sets of ports of said stator.

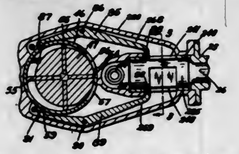
2,257,893

REVERSIBLE ROTARY MOTOR

Paul Van Sittert, Shaker Heights, Lloyd G. Speth, East Cleveland, and John H. Engeln, Cleveland, Ohio, assignors to The Cleveland Pneumatic Tool Company, Cleveland, Ohio, a corporation of Ohio

Original application February 23, 1939, Serial No. 257,824. Divided and this application May 17, 1941, Serial No. 394,012

7 Claims. (Cl. 121—34)



1. In a fluid actuated rotary motor of the reversible type, the combination with a housing, of a stator within said housing having a rotor chamber, a rotor operatively mounted in said chamber, means for admitting and exhausting motive fluid into and from said chamber including a pair of inlet and a pair of outlet ports, a rotatable valve for selectively controlling admission of motive fluid through one or the other of said inlet ports, outlet ports controlling means pivotally mounted within said housing engageable with said stator for closing one or the other of said outlet ports, and means on said valve engaged by said outlet ports controlling means for actuating the same upon rotation of said valve.

2,257,894

TELEPHONE SYSTEM

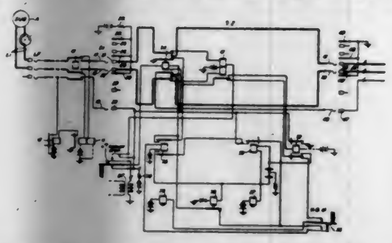
Paul Winsor, Jr., Lincoln Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application November 2, 1938, Serial No. 238,368

6 Claims. (Cl. 179—18)

1. In a telephone system, a switch comprising a set of wipers and two banks of terminals, two of the wipers being adapted to engage the ter-

minals in one bank and a test wiper being adapted to engage the terminals in the other bank, each of said banks comprising a plurality of levels, means for operating said switch to select an idle set of terminals and for connecting ground potential to the test terminal of the selected set, a relay individual to the selected set of terminals, a grounded battery, the non-grounded terminal of said battery being normally connected through one winding of said relay to one of the terminals of said selected set, another terminal of said selected set being normally connected through the other winding of said relay to the test terminal of said set, electrostatic shields between the adjacent layers of insulation of adjacent levels of said one bank, and a high resistance connecting the non-grounded terminal of the battery to each of said shields.



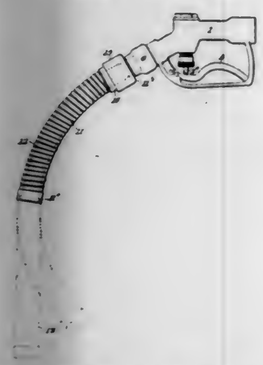
2,257,895

LIQUID DISPENSING APPARATUS

Joseph C. Woodford, Wayne, and Joseph E. Fernly, Conshohocken, Pa., assignors to John Wood Manufacturing Company, Inc., Conshohocken, Pa., a corporation of Delaware

Application March 18, 1940, Serial No. 324,628

1 Claim. (Cl. 221—84)



In gasoline dispensing apparatus; the combination including a hose nozzle comprising a rigid tube of circular cross section; a radially projecting annular abutment bead on the outer end of the tube; an annular groove in the tube in spaced relation with the abutment; a flexible sleeve, mounted to be reciprocated on the tube between the abutment and groove, formed of a helically wound strip of resilient metal having interlocking edge flanges; means for continually frictionally engaging the sleeve with the tube, including a resilient ring carried at the inner end of the sleeve; resilient sealing means between the tube and sleeve; and means adapted to limit the outward movement of the sleeve on the tube, including a flange on the sleeve arranged to encounter the abutment.

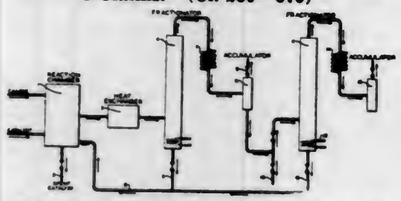
2,257,896

CATALYTIC TREATMENT OF HYDROCARBONS

Willis A. Yarnall, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

Application March 24, 1939, Serial No. 263,871

5 Claims. (Cl. 260—676)



1. The method of catalytically treating petroleum hydrocarbons to effect molecular rearrangement of said hydrocarbons, which comprises dissolving a halide selected from the non-gaseous halides of polyvalent metals and metalloids in a sufficient amount of an anhydrous liquefied hydrogen halide to substantially completely dissolve the metallic halide and to form an anhydrous liquid catalyst, subjecting said hydrocarbons to intimate contact with said liquid catalyst said catalyst being maintained in the liquid phase, and maintaining the hydrocarbons in contact with the liquid catalyst whereby conversion is effected.

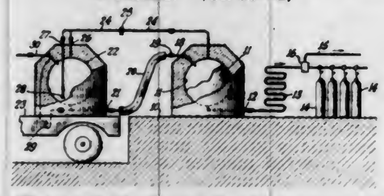
2,257,897

METHOD AND APPARATUS FOR DISPENSING GAS MATERIAL

George H. Zenner and Odd A. Hansen, Kenmore, N. Y., assignors to The Linde Air Products Company, New York, N. Y., a corporation of Ohio

Application February 28, 1939, Serial No. 258,902

8 Claims. (Cl. 62—1)



1. The method of dispensing a gas material having a boiling point temperature at atmospheric pressure less than 233° K. to a consumer system having a liquid phase receiver and means for storing and delivering material in the gas phase at a desired high pressure, which comprises the steps, in combination, of transporting to such system a charge of gas material in the liquid phase in a transport container which is closable to the atmosphere, transferring gas phase along a desired path for equalizing purposes from said receiver to said transport container when closed to the atmosphere preparatory to discharge, effecting reliquefaction of at least a portion of said transferred gas phase in said container by causing the same to enter said container at a point below the liquid level therein, and then discharging liquid phase from said container while substituting gas phase.

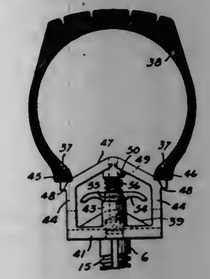
2,257,898

CHUCK

Walter J. Breth, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application January 16, 1939, Serial No. 251,198

5 Claims. (Cl. 154—9)



1. In an apparatus for rotatably supporting a tire, and having a rotatable member and a plurality of rods adapted to be projected from the rotatable member, elements on the rods for engaging the beads of a tire, said elements being of greater axial than circumferential extent relative to the rotatable member, and each having an upstanding tapered dome of less length than the element to provide abutments on the ends of the elements which receive the beads of a tire, and the sides of the dome serving to guide the beads onto the abutments as the rods are projected.

2,257,899

MANUFACTURE OF GLYCEROL MONOCHLOROHYDRIN

Edgar C. Britton and Harold R. Slagh, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application April 26, 1937, Serial No. 138,935

3 Claims. (Cl. 260—633)

1. In the manufacture of glycerol monochlorohydrin by the reaction of hydrogen chloride with glycerol, the improvement which consists in heating the reaction mixture at a reaction temperature in the presence of an added non-aqueous reaction solvent miscible with glycerol and glycerol monochlorohydrin at the reaction temperature and unreactive chemically with the reactants and reaction products under reaction conditions.

2,257,900

TUBE SWITCH

Stephen Crum, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application December 1, 1937, Serial No. 177,536

12 Claims. (Cl. 200—87)



1. A switch comprising in combination, a sealed tube, an electric conductor sealed into said tube, a strip of non-magnetic material supported by said conductor within said tube, a two-piece bridge element having a space between the pieces forming a gap, one piece being supported by one end of said strip, the other piece being supported by the other end of said strip, a flexible reed supported at one end between said strip and said bridge element, an armature carried by the other end of said reed, a movable contact carried by said armature, a fixed contact engaging said movable contact when said armature is positioned adjacent said bridge, a lug on said armature, and a piece bent from said non-magnetic strip for cooperation with said lug to limit the movement of said armature away from said bridge, the position of said bent piece being adjustable.

2,257,901

RUBBER OVERSHOE

Joaquin de Noronha, New York, N. Y., assignor to De Noronha Rubber Products Corporation, New Brunswick, N. J., a corporation of New Jersey

Application November 7, 1938, Serial No. 239,286

10 Claims. (Cl. 36—7.4)



1. A molded rubber overshoe having a front portion including a tread sole and an elastic shank, and a counter portion, the counter portion comprising a bottom elastic wall integral with said shank portion and formed with a substantially triangular shaped opening the apex whereof is toward the front of the overshoe, said shank and said wall of the counter being adapted to form a water-tight joint with the shank of the shoe on which said overshoe is to be worn.

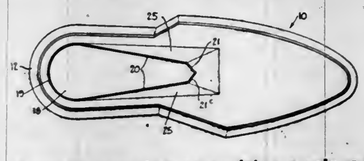
2,257,902

RUBBER OVERSHOE

Joaquin de Noronha, New York, N. Y., assignor to De Noronha Rubber Products Corporation, New Brunswick, N. J., a corporation of New Jersey

Application December 19, 1938, Serial No. 246,642

8 Claims. (Cl. 36—7.3)

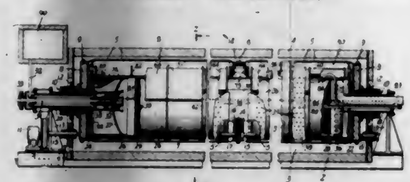


1. A rubber overshoe comprising a sole, a lower side wall portion extending upwardly and inclined inwardly therefrom at the heel and forward tread portions thereof, an upper counter portion and a vamp portion, each thinner than said lower side wall portion, extending upwardly from the latter in integral relation therewith, the inner surface of said counter portion forming an obtuse angle with the inner surface of the adjacent part of said lower side wall portion at both sides of the overshoe, the juncture of said angularly related surfaces being located so as to engage the side edges of the heel and sole of the shoe on which the overshoe is worn, said counter portion rising vertically from the upper, inwardly disposed edge of said lower side wall portion.

2,257,903
MIXTURE OF ISOMERIC ETHYL DIBROMOBENZENES
Robert R. Dreisbach, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application February 21, 1940, Serial No. 320,095
1 Claim. (Cl. 260—650)

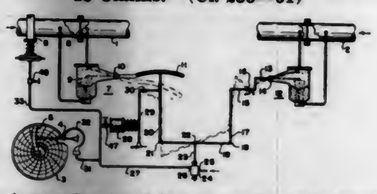
A non-flammable liquid composition suitable for use as a heat-transfer medium, dielectric fluid, and fire-retarding and extinguishing agent, consisting of a mixture of isomeric nuclearly brominated ethyl benzenes in which the bromine content corresponds to about 2.0 atoms of bromine per mol of ethyl benzene, such composition having a freezing point below —70° C. and a boiling point of about 255° to 260° C.

2,257,904
HEAT EXCHANGE APPARATUS
Crosby Field, Brooklyn, N. Y., assignor to Flakice Corporation, Brooklyn, N. Y., a corporation of Delaware
Application January 20, 1939, Serial No. 251,910
17 Claims. (Cl. 62—106)



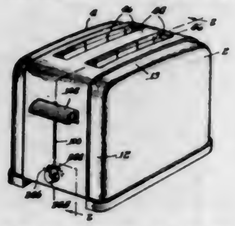
1. In congealing apparatus of the type wherein the material to be congealed is supplied to the outer surface of a flexible cylinder and the inner surface of the flexible cylinder is cooled by a heat exchange fluid, fluid cooling and circulating means to deliver cold heat exchange fluid to the inner surface of the flexible cylinder comprising, a cylindrical evaporator positioned longitudinally of the flexible cylinder, a drum sheet surrounding said cylindrical evaporator and having a plurality of jets evenly spaced to impinge the heat exchange fluid against the inner surface of the flexible cylinder, and a fluid pump and baffle construction to move the fluid through said jets and in heat exchange relationship with said evaporator.

2,257,905
MEASURING AND CONTROLLING APPARATUS
Harvard H. Gorrie, Cleveland Heights, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Application September 11, 1937, Serial No. 163,448
15 Claims. (Cl. 235—61)



1. Apparatus for determining the ratio between two variables, comprising a first member angularly displaced from an initial position in accordance with the magnitude of one of said variables whereby a given point on said member has a displacement from an initial position proportional to the product of the magnitude of the variable and its radial distance from the center of angular displacement of said member, a second member angularly displaced from an initial position in accordance with the magnitude of the second variable, means for determining the point on said second member having the same displacement as said given point on said first member, means under the control of said members for operating said last named means, and measuring means of the radial distance of said point on said second member from the center of angular displacement of said second member.

2,257,906
TOASTER
James J. Gough, Chicago, Ill., assignor to Chicago Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application August 8, 1940, Serial No. 351,875
16 Claims. (Cl. 161—16)

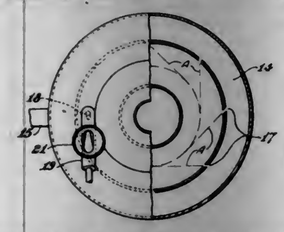


1. In an electric toaster, a casing, an article receiving tray shiftable from a non-toasting position to a toasting position relative to said casing, means for latching said tray in toasting position, operating means adapted to engage the latching means when operated in one direction to release said latching means, time control means locking said operating means out of operative engagement with said latching means and releasing said operating means after a predetermined time for operative engagement with said latching means to move said latching means into a released position, said operating means including means for setting said time control means into operation when said operating means is moved in the opposite direction, and manually operable means movable an initial fixed distance to shift said tray to the toasting position and movable additional varying distances to move said operating means in said opposite direction to preset said time control means.

2,257,907
METHOD OF MAKING ACTIVATED CARBON
Nelson D. Griswold, Midland, Mich., assignor to Cliffs Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application August 8, 1940, Serial No. 351,824
8 Claims. (Cl. 252—291)

1. A process for preparing finely divided activated carbon from a material selected from the class consisting of carbonaceous and readily carbonizable materials which comprises: injecting into a shallow cylindrical activating zone at a plurality of positions spaced around the periphery thereof streams of an activating oxygenated gas so directed as to form within the zone a substantially planar gaseous vortex; maintaining the said zone at an activating temperature; introducing the said material in relatively

coarse comminuted form into the zone, wherein it is subjected to activation and pulverization by the action of the gaseous vortex, and the finer particles formed tend to be carried to the center

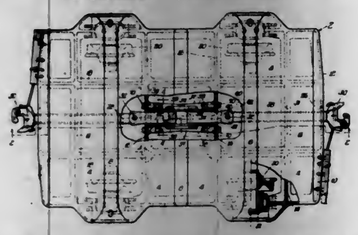


of the zone but the coarse particles tend to be retained by centrifugal force near the periphery of the zone and are there subjected to additional pulverization and activation; and discharging the finer particles from the center of the zone.

2,257,908
PREPARATION OF KETOXIMES
William H. Hill, Mount Lebanon, Pa., and Edward L. Kropa, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 27, 1940, Serial No. 354,364
5 Claims. (Cl. 260—566)

1. A method of producing ketoximes which comprises reacting a compound included in the group consisting of saturated alkyl, aryl and aralkyl ketones with a member of the group consisting of hydroxylamine and inorganic acid salts thereof in liquid ammonia, filtering and evaporating ammonia from the filtrate.

2,257,909
DRAFT ARRANGEMENT
Edmund P. Kinne, Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application November 2, 1939, Serial No. 302,525
14 Claims. (Cl. 213—50)



1. In a four wheel car, a frame having transverse end members and a plurality of transverse intermediate members, supporting wheel and axle assemblies adjacent the innermost of said transverse members, a plurality of draft castings connected between said innermost transverse members to form a draft gear pocket therewith, each of said castings having an L section with a longitudinal reinforcing rib intermediate its top and bottom edges, the bottom legs of said L's affording seats for enclosed draft means, draft means in said pocket comprising a plurality of yokes secured for limited movement in opposite ends thereof, each of said yokes extending through one of said transverse members, and couplers extending through certain of said end and transverse members for pivotal connection with said yokes inwardly of said wheel and axle assemblies.

2,257,910
PROCESS OF CONDENSING MAGNESIUM VAPORS
Roy C. Kirk, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application February 3, 1940, Serial No. 317,076
10 Claims. (Cl. 75—67)

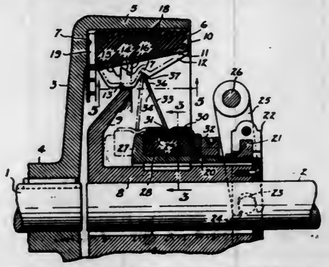


1. The method of condensing magnesium from vapor phase admixture with carbon monoxide, which comprises passing the vapor mixture at an absolute pressure between about 5 and about 100 millimeters of mercury into contact with a surface maintained at such an elevated temperature below the freezing temperature of magnesium that the magnesium vapor condenses thereon largely in the form of relatively coarse crystals, the said temperature being within the range between about 300° C. and about 650° C.

2,257,911
SPONGE AND METHOD OF TREATING
Herman T. Kraft, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
No Drawing. Application January 23, 1939, Serial No. 252,398
8 Claims. (Cl. 91—68)

3. A method for reinforcing natural and artificial sponges without rendering them impervious to water which comprises impregnating the sponge substantially through and with a dispersion of rubber, removing the excess liquid, and drying.

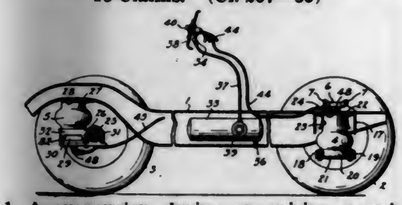
2,257,912
DRUM TYPE CLUTCH
Herman T. Kraft, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application June 14, 1940, Serial No. 340,582
11 Claims. (Cl. 192—65)



1. A clutch comprising a rotatable drum, a rotatable inner member substantially concentric with the drum, an expansible shoe carried by said inner member and rotatable therewith, said shoe comprising an endless elastic rubber tread which is normally of a size to provide a running clearance between the tread and the

interior of the drum, and a series of base segments attached to the interior of the tread and mounted on the inner member for movement inwardly toward and outwardly away from the axis of said member, and means for applying a radial outward thrust simultaneously to said segments to expand said tread into engagement with the interior of the drum.

2,257,913
SUSPENSION SYSTEM AND METHOD
Harvey F. Maranville, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application June 6, 1938, Serial No. 212,018
15 Claims. (Cl. 267—35)



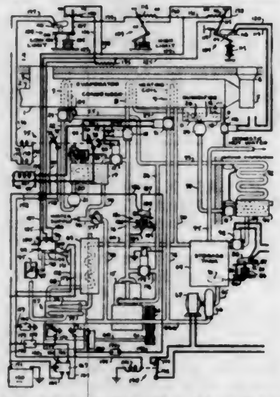
1. A suspension device comprising a pair of end members, an annular casing of rubber composition extending between the end members and having an annular relatively stiff and substantially non-flexing portion and an annular relatively yieldable flexing portion, said end members and casing being integrally joined together and enclosing a pneumatic cushioning chamber, the stiff portion of the casing being substantially cylindrical in shape and having substantially longitudinal and circumferential cords embedded therein for reinforcement and the flexing portion having substantially diagonally disposed cords embedded therein for reinforcement and being of larger diameter than the stiff portion, and means through which fluid can be introduced into said chamber or removed therefrom.

2,257,914
PURIFICATION OF ACID TREATED OILS
Sylvan R. Merley, Riverton, N. J., assignor to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania
No Drawing. Application December 7, 1939, Serial No. 307,987
6 Claims. (Cl. 196—41)

1. A process for the neutralization of sulfuric acid treated mineral oils, and the removal of oil soluble soaps from the mineral oils without the use of caustic alkali solution, comprising a treatment of the acid treated oil with an excess of a solution of normal alkali metal sulfite, over the amount normally required to neutralize the acidity of the oil.

2,257,915
AIR CONDITIONING SYSTEM
Alwin B. Newton, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application February 7, 1938, Serial No. 189,081
22 Claims. (Cl. 257—3)

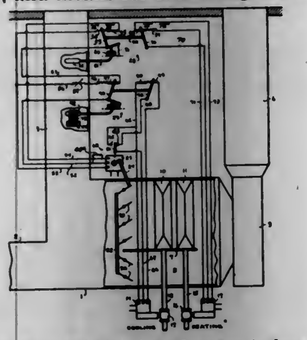
1. In a summer-winter air conditioning system, in combination, a compression refrigeration system including a compressor, an evaporator and a condenser both in heat exchange relationship with a space to be conditioned, changeover means for selectively placing said evaporator in operation while placing said condenser out of operation, or for placing said condenser in operation while placing said evaporator out of operation, space temperature responsive means for controlling said changeover means and said compressor, said space temperature responsive means being arranged to condition said condenser for operation and to place said compressor in operation when the above space temperature falls to a predetermined value, while placing said compressor out of operation and conditioning said evaporator for operation when the space temperature rises above a predetermined value, and means for placing said compressor in operation when the space temperature rises to a still higher value.



22. In a system of the class described, a refrigeration system for conditioning a space, said system including a condenser, and a compressor for discharging compressed refrigerant into said condenser, an internal combustion engine for driving said compressor, an automatic starting circuit for said internal combustion engine, temperature responsive means for controlling said starting circuit to start said engine upon a demand for temperature change, a by-pass for unloading said compressor, a single electrically operated by-pass valve controlling the flow of fluid through said by-pass, a circuit controlled concurrently with said engine starting circuit for opening said by-pass valve while said engine is being started, a second circuit for said by-pass valve and a switch responsive to the pressure of the refrigerant discharged from the compressor for closing said second circuit to open said by-pass valve when the pressure of the discharged refrigerant becomes excessive.

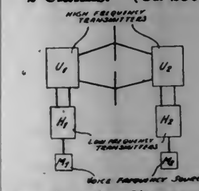
2,257,916
AIR CONDITIONING SYSTEM
John D. Poythress, Dallas, Tex., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application May 9, 1940, Serial No. 334,195
8 Claims. (Cl. 257—3)

1. In an air conditioning system, in combination, a heat exchanger located so as to be contacted by a stream of air for a space being conditioned, a damper for varying the flow of air through said heat exchanger, thermostatic means influenced by the temperature of said space for controlling said damper in a manner to increase or decrease the flow of air in contact with said heat exchanger upon rise or fall in space temperature for thereby maintaining the space temperature at a desired value, means influenced by the humidity of the air in the space for raising or lowering the temperature of the heat exchanger upon decrease or increase in relative humidity, and means for increasing the air flow



in contact with said heat exchanger independently of said thermostatic means when the relative humidity in said space rises to a predetermined value.

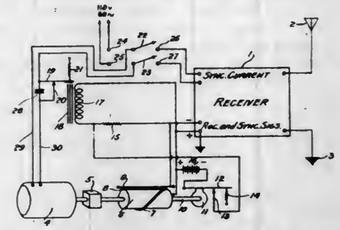
2,257,917
MULTIPLE TELEGRAPHY AND TELEPHONY
Leo Pungs, Brunswick, Germany
Application May 14, 1938, Serial No. 207,921
In Germany May 11, 1937
2 Claims. (Cl. 250—9)



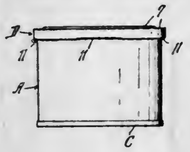
1. A system for simultaneous telegraphy and telephony, comprising a plurality of separate transmitters operating at different related carrier frequencies, each of said transmitters including an intermediate stage which is modulated by signals of lower frequency and a high frequency stage modulated by energy from the intermediate stage, and a common directive radiation system including at least two antenna units, said units being tuned to a frequency related to said carrier frequencies and being adjusted for directive transmission of both said frequencies, whereby efficient directive transmission of both signals is achieved.

2,257,918
FACSIMILE APPARATUS
Hugh C. Ressler, Richmond, Staten Island, N. Y., assignor to Radio Inventions, Inc., New York, N. Y., a corporation of New York
Application December 9, 1938, Serial No. 244,756
5 Claims. (Cl. 178—69.5)

1. In a facsimile receiving system, the combination of, a facsimile recorder, a synchronizable motor for driving said recorder, means for generating control signals comprising substantially equally spaced unidirectional impulses, means responsive to said impulses for synchronizing said motor, means at the receiver for generating additional unidirectional impulses substantially complementary in form to said control impulses in accordance with the phase of said motor with respect to said control impulses, and means responsive to both said impulses for varying the phase of said motor to cause the two said impulses to complement each other in their time relation.



2,257,919
CONTAINER
Walter L. Rutkowski, Normandy, Mo., assignor to R. C. Can Company, St. Louis, Mo., a corporation of Missouri
Application November 14, 1938, Serial No. 240,334
2 Claims. (Cl. 229—5.7)

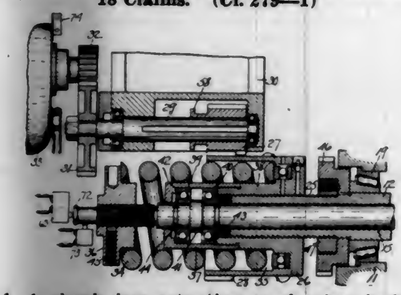


1. A container having, in combination, a tubular paper body, a sheet metal closure secured to the lower end of the body for closing the same, a channeled sheet metal ring secured to the upper edge of the body, elongated protuberances struck outwardly from the outer wall of the channeled ring and spaced from each other, a removable sheet metal top closure, said closure having a skirt flange, said flange having an inwardly rolled lower edge, and said rolled edge being flattened out at spaced intervals corresponding to the elongated protuberances and of a length at least equal to the length of the corresponding protuberances to facilitate seating of the top closure upon the sheet metal ring and removal therefrom, and to allow the closure to be turned in either direction to frictionally lock the curled edge portions of the skirt to the elongated protuberances on the channeled ring.

2,257,920
TREATMENT OF PETROLEUM PRODUCTS
Alexander N. Sachanen and Rowland C. Hansford, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application January 20, 1939, Serial No. 251,914
3 Claims. (Cl. 260—672)

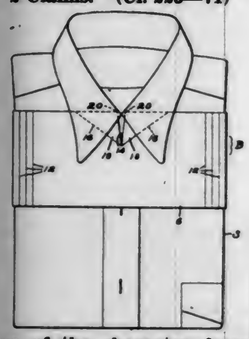
1. The process of producing alkyl aromatic hydrocarbons boiling below about 300° C. from a petroleum tar comprising a substantial amount of alkyl aromatic hydrocarbons entirely of petroleum origin which are normally found in such tar and are of higher boiling point than said alkyl aromatic hydrocarbons to be produced, which comprises treating such alkyl aromatic hydrocarbons of said tar with benzene in the presence of a metal halide catalyst at a temperature between about 80° C. and about 200° C.

2,257,921
CHUCK JAW ACTUATING MECHANISM
Harry E. Sloan, Hartford, and George A. Highberg, West Hartford, Conn., assignors to The Cushman Chuck Company, Hartford, Conn., a corporation of Connecticut
Application July 10, 1939, Serial No. 283,640
18 Claims. (Cl. 279—1)



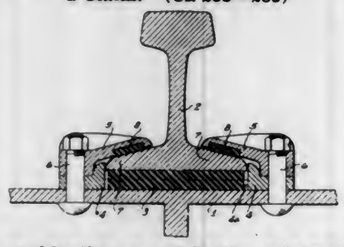
1. A chuck jaw actuating mechanism including a threaded chuck spindle for the support of a chuck, a draw bar operatively connected with said chuck to actuate chuck jaws thereon, said draw bar extending within said spindle, a draw bar actuator surrounding said spindle and engaged with said thread, an operative connection between said actuator and draw bar for operation of the latter by the former, said connection providing for movement of the actuator independently of the draw bar, a spring surrounding said draw bar and thrusting in opposite directions against said bar and said actuator, and means for driving said actuator.

2,257,922
SHIRT BAND
Edward W. Wilson, Nashua, N. H., assignor to Nashua Gummed and Coated Paper Company, Nashua, N. H., a corporation of Massachusetts
Application June 19, 1940, Serial No. 341,349
2 Claims. (Cl. 223—71)



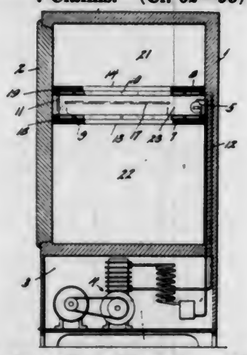
1. A device of the character described comprising a band of a length to encircle a folded laundered shirt and having provision for connecting its ends to secure it in encircling position as an open-ended tube received between the upper and lower ends of the shirt, at least the central portion of the band being of substantial stiffness, said central portion having a cut extending inwardly from an edge thereof and the band being weakened to define bending lines extending from adjacent the inner end of the cut diagonally outwardly toward said edge to define wings having closely opposed distal engaging portions, which wings are yieldable upwardly and laterally when engaged beneath the shirt collar at the end of the neck band.

2,257,923
TIE PLATE AND RAIL SUPPORT
Philip Verplanck, Akron, Ohio
Application December 11, 1939, Serial No. 308,529
1 Claim. (Cl. 238—283)



In combination, a rail having a laterally extending base, a supporting member for said rail, a retaining plate interposed between the rail and the supporting member, said retaining plate having an opening therein disposed beneath the rail base, an elastic pad disposed in said opening and retained by the walls thereof against displacement from beneath the base, said pad being of greater thickness than said retaining plate whereby the rail base is supported thereby in vertically spaced relation with the retaining plate, said retaining plate having raised portions paralleling and upstanding alongside the rail base and constituting lateral positioning means therefor, tie-down plates having broad surface contact with said retaining plate and positioning contact with said respective raised portions, elastic pads disposed between respective tie-down plates and said rail base, and bolts extending through said tie-down plates, the base plate and said supporting member and rigidly holding said tie-down plates on said retaining plate and in contact with said raised portions.

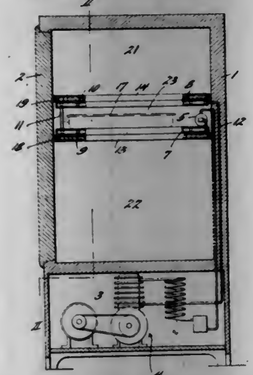
2,257,924
DOMESTIC REFRIGERATOR
Carl G. Vretman, Atlanta, Ga.
Application March 6, 1939, Serial No. 260,143
7 Claims. (Cl. 62—95)



1. In a domestic refrigerator, walls forming a chamber, a cooling element in said chamber dividing off a part of said chamber as a freezing compartment while the remainder serves as a cold storage compartment, said cooling element

comprising an evaporator in the form of a flat plate toward the freezing chamber and a flat container entirely closed from and free of the refrigerant and being filled with liquid which will not freeze at the temperature to which it is to be subjected, said container being located on the side of the evaporator plate toward the cold storage compartment for distributing the cooling effect of the evaporator and retarding heat transfer from the cold storage compartment to the evaporator.

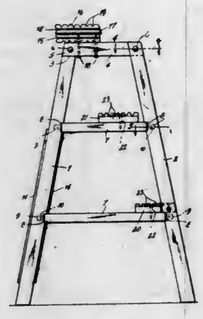
2,257,925
DOMESTIC REFRIGERATOR
Carl G. Vretman, Atlanta, Ga.
Application May 16, 1939, Serial No. 273,987
7 Claims. (Cl. 62—95)



1. In a domestic refrigerator, walls forming a chamber, a cooling element in said chamber dividing off a part of said chamber as a freezing compartment while the remainder serves as a cold storage compartment, said cooling element comprising an evaporator in the form of a flat plate toward the freezing chamber and a flat container, filled with liquid which will not freeze at the temperature to which it is to be subjected, said flat liquid container being located on the side of said evaporator plate toward the cold storage compartment for distributing the cooling effect of the evaporator over the surface of the liquid container opposite the evaporator, said container being entirely closed to the refrigerant, the surface of said liquid-containing chamber toward said cold storage compartment being extended beyond the limits of the evaporator to increase the area of heat transfer.

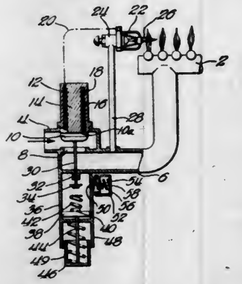
2,257,926
STEP STOOL
Landon C. Watling, Webster Groves, Mo.
Application September 18, 1940, Serial No. 357,269
4 Claims. (Cl. 228—2)

2. A step stool comprising two side frames each including a pair of downwardly diverging legs and holding members rigidly connecting the legs of each frame, shoulders formed near the upper ends of said respective legs and at opposite sides of the two legs of each frame, top supports seated on said shoulders at opposite sides of the legs of each frame and rigidly attached thereto, a top member secured to the rear ends of said supports and extending across the upper ends of the rear legs, an additional top member hinged to the front edge of said first top member for swinging movements from extended position forwardly from said first top member to seat upon said supports and extend across the upper ends of said front legs to a position in which said



second top member rests upon said first member and vice versa, and an inclined series of steps attached to said holding members in said frames between the front and rear legs thereof.

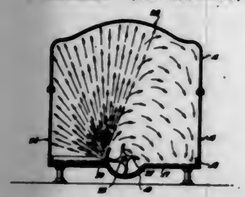
2,257,927
THERMOELECTRIC SAFETY DEVICE
Guido Wünsch, Berlin-Steglitz, and Josef Schuppert, Dessau, Germany, assignors, by mesne assignments, to Junker & Co., G. m. b. H., Dessau, Germany, a company of Germany
Original application August 3, 1934, Serial No. 738,370. Divided and this application November 9, 1939, Serial No. 303,586. In Germany September 28, 1933
7 Claims. (Cl. 158—117.1)



1. In a safety device for fuel burners of the self-contained type employing thermoelectrical actuation, a passage through which the fuel flows to the burner, a valve in said passage, an electromagnet for normally holding said valve in open position and adapted to be energized by a thermocouple subjected to the heat of a flame in proximity to said burner, a cylinder closed against the entry of fuel into the same from said passage, a stem extending from the valve into said cylinder, reset means cooperable upon inward movement thereof with said stem to reset said valve to open position, and a piston carried by said reset means and operable in said cylinder to retard outward movement of said reset means and thereby closing movement of said valve and disconnected from said valve for outward movement free of said valve so that the

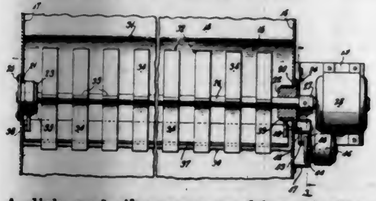
electromagnet may hold said valve open without also holding said piston in its inward position.

2,257,928
APPARATUS FOR WASHING DISHES, SILVERWARE, AND THE LIKE
Donald E. Yochem, Columbus, Ohio, assignor to L. S. D. Inc., Dayton, Ohio, a corporation of Ohio
Application December 19, 1938, Serial No. 246,702
6 Claims. (Cl. 299—63)



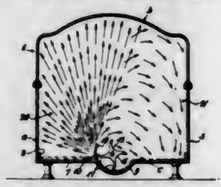
1. A dish and silverware washing, rinsing, and drying machine comprising a housing having a shallow trough in the bottom wall thereof, a flange of less length than and centrally positioned along the discharge side of said trough, a plurality of laterally spaced deflector blades connected to said flange to project only upwardly therefrom, and rotatable means including a plurality of impeller blades arranged to dip into the trough for setting in motion fluid from said trough, a portion of said fluid being discharged directly from said impeller blades at a high velocity and in a finely atomized condition throughout a portion of the interior of said housing extending from the flanged side of the trough, another portion of said fluid being delivered to said deflector blades and discharged therefrom at a high velocity and in a finely atomized condition throughout the remainder of the interior of said housing.

2,257,929
APPARATUS FOR WASHING DISHES, SILVERWARE, AND THE LIKE
Donald E. Yochem, Columbus, Ohio, assignor to L. S. D., Inc., Dayton, Ohio, a corporation of Ohio
Application November 2, 1939, Serial No. 302,594
9 Claims. (Cl. 299—63)



1. A dish and silverware washing, rinsing and drying machine comprising a housing having a shallow trough in the bottom wall thereof, an impeller shaft journaled in the housing above said trough, a series of axially spaced impeller wheels having radial blades fixed to said shaft, the blades being of proper length to dip into said trough, means for rotating said shaft at a sufficiently high rate of speed as to cause the impeller blades to expel fluid in a finely atomized condition from one side of the trough, said expelled fluid being in the form of a stream which is substantially equal in width to the length of the trough and is substantially fan-shaped in vertical section, a deflector oscillatably associated with said discharge side of the impeller and being operable to change the direction of discharge of said stream, and mechanical means for continuously oscillating said deflector in an arc substantially concentric with the path of the impeller blades to cause a stream of substantially uniform concentration to be repeatedly discharged back and forth in the housing interior.

2,257,930
APPARATUS FOR WASHING DISHES, SILVERWARE, AND THE LIKE
Donald E. Yochem, Columbus, Ohio, assignor to L. S. D., Inc., Dayton, Ohio, a corporation of Ohio
Application January 11, 1940, Serial No. 313,443
7 Claims. (Cl. 299—63)

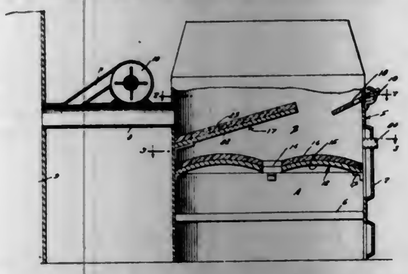


1. A dish and silverware washing, rinsing, and drying machine, comprising a housing having a bottom wall providing a fluid collecting trough, fluid impelling means comprising a rotatable shaft journaled in the end walls of said housing and having a plurality of axially spaced impeller blades mounted thereon and arranged to dip into the trough for setting in motion fluid from the trough, and fluid dispersion controlling means operatively associated with the impeller blades, said means comprising an uninterrupted curved surface extending from below the operating fluid level in the trough to a point above said level on the discharge side of all of said impeller blades, thereby preventing radial dispersion of fluid through the area obstructed by said surface, and a plurality of laterally spaced curved deflector blades projecting above the upper edge of said surface and following the periphery of the zone of operation of said impeller blades, thereby preventing radial dispersion of fluid through the areas obstructed by said deflector blades, the fluid dispersion controlling action of said curved surface and deflector blades being such as to allow the fluid to be dispersed over the portions of the upper edge of the surface lying between said deflector blades into one part of the interior of the housing and from the upper ends of the deflector blades into the remainder of the housing, said deflector blades and impeller blades being so arranged as to partially overlap each other radially of the axis of rotation of the blades so that the fluid dispersed both over the upper edge portions of the curved surface and from the upper ends of the deflector blades will come in part from the impeller blades and in part from the spaces between said impeller blades.

2,257,931
SMOKE ELIMINATOR
Charles E. Alexander, Alton, Ill., assignor of one-half to John E. Byrnes, Alton, Ill.
Application November 19, 1940, Serial No. 366,296
4 Claims. (Cl. 110—97)

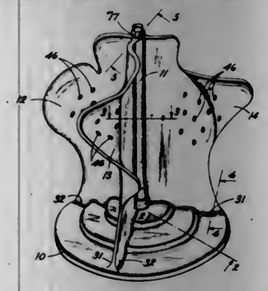
1. In combination with a furnace having a fire box and fuel door therefor and a smoke pipe connected with said furnace above the fire box, forced draft means connected to said smoke pipe,

an arch mounted in the fire box and snugly fitting the walls of the furnace and provided with a centrally arranged opening to permit escape of



gases and products of combustion from the burning fuel within the fire box, said fuel door being located above and below said arch.

2,257,932
WASHING MACHINE AGITATOR
Albert H. Basler, East Cleveland, Ohio
Application November 14, 1938, Serial No. 240,235
3 Claims. (Cl. 68—134)



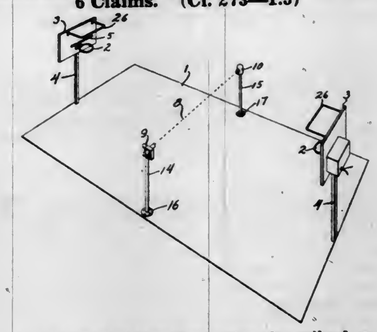
1. A composite washing machine agitator comprising a metal frame including a base, an upright central post, and a plurality of generally radial vanes connected to the base and post, the surfaces at the junctions of the vanes with the base and post being concave and formed by radii of at least 5/8" in length, and a layer of deposited rubber on the surfaces of said frame which are to be exposed to articles being washed in a washing machine, said layer adhering firmly to substantially the entire surface of the frame covered thereby.

2,257,933
IDENTIFYING PLATE FOR RADIOGRAPHS
Hobart D. Belknap, Portland, Oreg.
Application April 23, 1940, Serial No. 331,143
5 Claims. (Cl. 250—67)



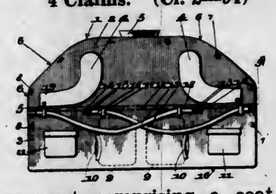
5. An identification plate of the class described consisting of a sheet of lead foil approximately one-hundredth of an inch in thickness and having a wide aluminum stiffening frame around its outer edge embedded in the surface thereof in a manner that the total thickness of the frame will approximate the thickness of the lead sheet.

2,257,934
GAME
Joseph D. Bell, San Francisco, Calif.
Application December 18, 1939, Serial No. 309,856
6 Claims. (Cl. 273—1.5)



1. In a game of the character described, a contest area for opposing parties, an apparatus comprising a basket adapted to receive a ball when thrown by one of the parties, means for closing the basket against the ball, and means remote from the basket and operable by the players subject to contest for actuating the basket-closing means to prevent the ball from entering the same.

2,257,935
OUTDOORSMAN'S COAT
George Samuel Blagden, Memphis, Tenn.
Application January 21, 1939, Serial No. 252,194
4 Claims. (Cl. 2—94)

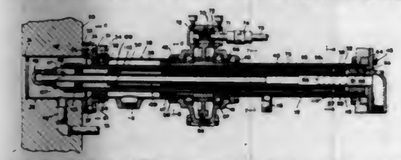


1. A garment comprising a coat having a sleeved top portion and having a bottom portion with pockets and openings thereinto located on back of said bottom portion, suspenders carried by the coat, means securing the ends of the suspenders to the coat on a line located transversely of the coat and substantially medially thereof, and loops secured to the coat in spaced relationship to end securements of the suspenders, loosely containing the contiguous parts of the suspenders and providing gripping means to hold the sleeves when the coat is folded along the securing line to convert it into a game bag.

2,257,936
BOILER CLEANER
Frank Bowers, Detroit, and Harry E. Breisford, Birmingham, Mich., assignors to Diamond Power Specialty Corporation, Detroit, Mich., a corporation of Michigan
Original application July 19, 1937, Serial No. 154,522. Divided and this application January 2, 1940, Serial No. 312,016
12 Claims. (Cl. 122—392)

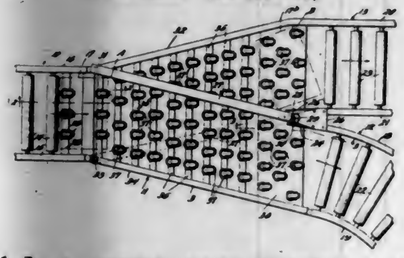
1. In a fluid heater cleaner, an elongated tube element mounted for movement to projected and retracted positions, power driven means for alternately moving said tube to both of said positions, a source of cleaning fluid under pressure

communicating with the interior of the tube, a nozzle at one end of the tube through which the cleaning fluid is discharged, valve means controlling communication from the source of cleaning fluid under pressure to the tube, means effective in timed relation to movement of the tube toward



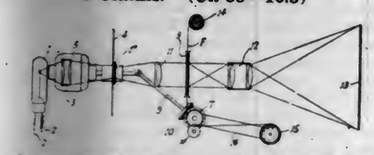
its projected position to open the valve means and effective as the tube assumes its retracted position to close the valve means, and means for bypassing a quantity of cleaning fluid and for discharging this cleaning fluid against the outer surface of the tube as the latter is moved to both of said positions.

2,257,937
DEVICE FOR CONVEYING PACKAGES
William Brunnhoelzl, Brooklyn, N. Y.
Application March 8, 1940, Serial No. 323,032
18 Claims. (Cl. 193—36)



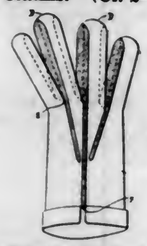
1. In a conveyor system including a feed roller-way, a receiving roller-way, and a switching conveyor adapted to transfer packages from the feed roller-way to said receiving roller-way, means to guide the packages and change the direction of movement thereof during such transfer, means to support packages associated with such switching conveyor means, and so positioned as to completely support packages prior to the guiding action of said guiding means, said means to support packages being capable of free multi-directional movement to thereby facilitate the aforementioned directional changes.

2,257,938
MECHANICAL CONSTANT SPEED PROJECTOR
Stewart L. Clothier, Teaneck, N. J., assignor to Kolorama Laboratories, Inc., Newark, N. J., a corporation of New Jersey
Application April 28, 1939, Serial No. 270,640
8 Claims. (Cl. 88—16.8)



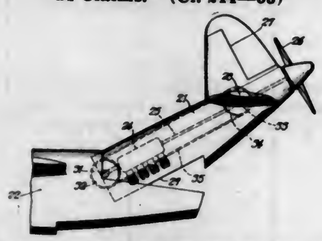
1. A motion picture projector including a film gate for exposing a picture frame, means for continuously moving a motion picture film having successive picture frames thereon through said gate, a light source, a slotted light shuttering device positioned between the light source and the film gate, means focussing an image of the light source at the plane of the shuttering device, means to illuminate a picture frame exposed in the film gate with light passing through a slot of the shuttering device, and means for rotating said shuttering device in synchronism with the film movement and in such manner that each successive picture frame is illuminated at the time it is exposed in the film gate.

2,257,939
GLOVE
Hilde Davidsohn, Paris, France
Application February 10, 1938, Serial No. 189,811
In France January 17, 1938
6 Claims. (Cl. 2—169)



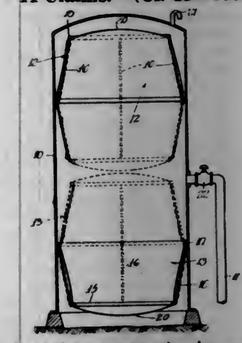
1. A glove comprising a body portion, tongue-shaped finger parts, and a plurality of pairs of fourchettes secured thereto, at least one of two adjacent fourchettes being relatively wider and longer than its adjacent fourchette and with respect to the crotch therebetween, said one fourchette being provided with an edge attached to its adjacent finger part and extending therefrom to a predetermined point on the back of said body portion.

2,257,940
AIRPLANE HAVING A LIFTABLE PUSHER PLANT
Claude Dornier, Friedrichshafen-on-the-Bodensee, Germany, assignor of one-half to Dornier-Werke G. m. b. H., Friedrichshafen-on-the-Bodensee, Germany
Application June 5, 1939, Serial No. 277,435
In Germany June 22, 1938
14 Claims. (Cl. 244—53)



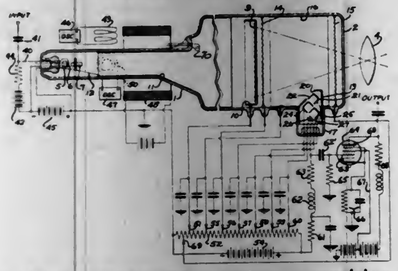
1. In an airplane, a fuselage, a tail unit connected with said fuselage, a push propelling plant upwardly swingably connected with said fuselage and being directly associated with said tail unit, said tail unit comprising swingable flight control elements, and element position control means connected with said fuselage and with said elements for simultaneously swinging both said elements and said propelling plant.

2,257,941
BREATHER RESERVOIR
Clifford A. Ellis, Ridgefield, N. J.
Application May 10, 1939, Serial No. 272,841
11 Claims. (Cl. 48—178)



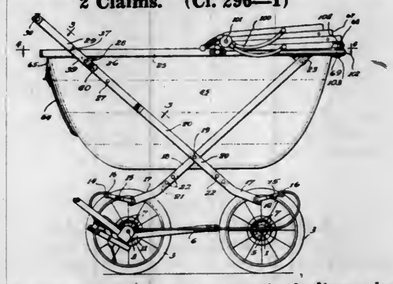
1. In a breather reservoir, in combination, a housing having connection with a supply line for delivering to or conducting therefrom a gaseous medium, a flexible diaphragm of gas impervious material within said housing forming with the walls thereof a chamber of variable capacity and which is in communication with said supply line, a metal ring carried by said diaphragm to aid in controlling the same during movement, a plurality of chains connecting with said metal ring at one end thereof and with the housing at their other end for supporting the diaphragm in deflated position, and a loading ring adapted to have movement vertically within the housing, said loading ring having connection with said chains.

2,257,942
IMAGE AMPLIFIER
Philo T. Farnsworth, Philadelphia, Pa., assignor to Farnsworth Television & Radio Corporation, New York, N. Y., a corporation of Delaware
Application April 5, 1939, Serial No. 266,138
11 Claims. (Cl. 178—7.2)



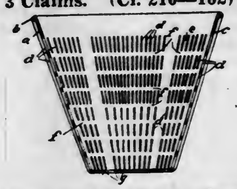
1. An image amplifier system comprising an envelope containing an electron-permeable charge storage electrode comprising a conducting foundation, a layer of insulating material on one side only of said electrode, the other side of said electrode being capable of producing secondary electrons at a ratio greater than unity, and a mosaic photoemissive surface on said insulating material; means for focusing an optical image on said mosaic; electron producing and directing means for developing an electron beam of elemental cross-section impacting the secondary-emissive side of said electrode at a velocity sufficient to produce secondary electrons therefrom; means for scanning successive elementary areas of the impacted side of said electrode; means spaced from said electrode to collect beam electrons passing through said electrode; and separate means for collecting secondary electrons passing through said permeable electrode.

2,257,943
BABY CARRIAGE
Abraham G. Feldman, Chicago, Ill., assignor to Storkline Furniture Corporation, Chicago, Ill., a corporation of Illinois
Application May 31, 1939, Serial No. 276,526
2 Claims. (Cl. 296—1)



1. A baby carriage of the type including a basket, an insert therefor having a central well and a deck on either side thereof, and a pad for said insert, characterized by a pad comprising a fabric container divided into three sections by two lateral seams, each section being padded, and the central section being reinforced by a flat plate of relatively rigid material disposed within the padding and of sufficient extent to cover the said central well.

2,257,944
FILTERING VESSEL FOR COFFEE AND THE LIKE
Wilhelm J. Fischbein, New York, N. Y.
Application February 28, 1939, Serial No. 259,038
3 Claims. (Cl. 210—162)

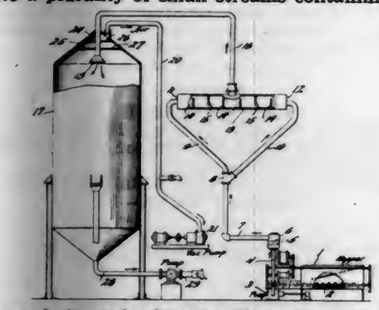


1. A filtering vessel having a plurality of vertical slits in the wall thereof, said slits being of gradually increasing width from the inner to the outer side of the wall, the slits being of sufficient fineness to exert a capillary effect upon fluid within the receptacle, said slits being arranged in groups spaced longitudinally and circumferentially of the vessel, and the slits in the lowermost groups being fewer in number and spaced farther apart in the direction of the circumference of the vessel than the slits in the upper groups.

2,257,945
METHOD OF AND APPARATUS FOR TREATING GREASE
Harold M. Fraser, New Orleans, La., assignor to International Lubricant Corporation, New Orleans, La., a corporation of Louisiana
Application May 24, 1940, Serial No. 337,097
13 Claims. (Cl. 252—32)

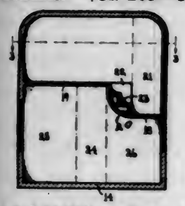
1. The method of removing entrapped air from

lubricating grease comprising dividing the grease into a plurality of small streams containing en-



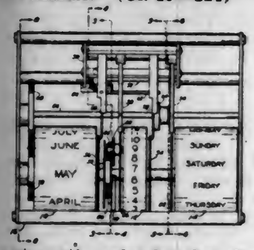
trapped air, and subjecting the so-treated grease to a vacuum whereupon the air is quickly removed from said grease streams.

2,257,946
RAILROAD PASSENGER CAR
Samuel V. Fullaway, Omaha, Nebr.
Application March 2, 1939, Serial No. 259,334
4 Claims. (Cl. 105—340)



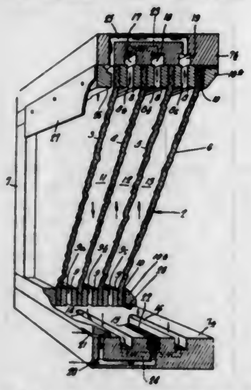
1. In a railroad passenger car, a car body having a floor extending at a uniform width and level throughout its entire length, a second floor disposed parallel with and above the first named floor, said second floor being provided longitudinally, for a part of its length, at one of its sides with a channel to form an elevated floor-portion with steps arranged in series at longitudinal intervals leading to the bottom of the channel, a partition on the bottom of the channel and longitudinally thereof to provide a passageway and providing a depressed area opening on the elevated floor-portion and a plurality of cross-partitions extending from the first named partition and traversing said elevated floor portion to provide a plurality of compartments.

2,257,947
AUTOMATIC CALENDAR
Crawford Goldthwait, Winchester, Mass.
Application September 26, 1940, Serial No. 358,379
14 Claims. (Cl. 40—114)



1. In an automatic calendar for showing the day of the month currently through a succession of years, each of which years has a fixed succession of months of varying length, being a calendar of the type wherein there is a rotary date-ratchet and a pawl for advancing it daily, said ratchet carrying the successive numbers of the days of a maximum month distributed circularly; that combination, for dealing with irregularities in lengths of months, in which a rotary ratchet having a single notch is fast with the date-ratchet; and there is a month-end pawl having a daily stroke and having location and pivotal mounting permitting its stroke to enter the position occupied by that notch on the last numbered day of each month which is of less than maximum length; said stroke of the pawl being one which terminates with that notch in its first-day-of-a-month position; and a month-disk, with a follower, driven thereby and having a position-controlling connection to the month-end pawl; said month-disk having, for each less-than-maximum month, means to guide its follower so as to direct the month-end pawl to the position occupied by the notch on the last numbered day of the respective month; there being a rotatable element embodying one said guiding means in each of a number of equal sectors which correspond individually to the several months of a year and are arranged in said rotatable element with the less-than-maximum months in the order and spacing of their respective months in the said yearly fixed succession of months; each said guiding means which pertains to a less-than-maximum month having a follower-driving surface whose position and course in its respective sector is determined by the length of the particular month which that sector represents; and whose said driving surface and the follower driven thereby constitute the said means to guide the month-end pawl to that position which the notch will occupy on the last numbered day of the month so represented; and means at each complete rotation of the date-ratchet to rotate the said month-disk one step to the position which pertains to the next succeeding month.

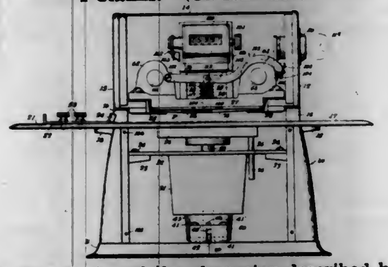
2,257,948
MEANS FOR PREVENTING MOISTURE CONDENSATION UPON REFRIGERATOR WINDOWS
John P. Green, Philadelphia, Pa.
Application February 7, 1940, Serial No. 317,632
18 Claims. (Cl. 62—89.5)



1. In a refrigerator having a display window in the refrigerating chamber thereof comprising

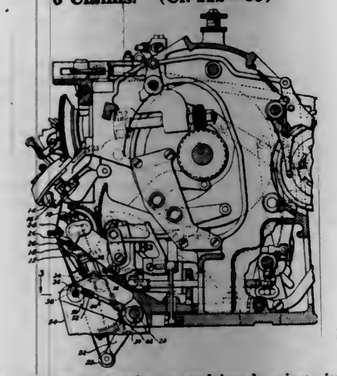
a plurality of panes of transparent material spaced from each other to provide a plurality of insulating air spaces therebetween, an air passage from said refrigerator chamber to the insulating air spaces, and a return air passageway from said insulating air spaces opening to the refrigerating chamber at a point adjacent the upper edge portion of the interior surface of the inner pane of transparent material.

2,257,949
PORTABLE PRINTING DEVICE
Gerhard G. Gruettner, New York, N. Y.
Application May 16, 1939, Serial No. 273,832
4 Claims. (Cl. 101—287)



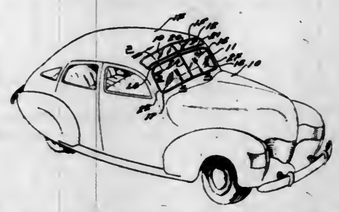
1. In a device of the character described having a reciprocably movable platen; a removably arranged element carrying printing indicia, an electric circuit including switch means, a controller and electric means for operating said platen, and common actuating means adapted to lock said element in position and to concurrently close said switch means, said controller being adapted to operate said electric means in said electric circuit when said switch means has been previously closed by said actuating means.

2,257,950
SEWING MACHINE
Otto R. Haas, North Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Original application December 31, 1936, Serial No. 118,622. Divided and this application October 4, 1939, Serial No. 297,912
6 Claims. (Cl. 112—59)



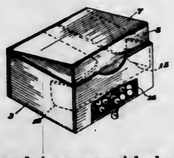
1. A lockstitch sewing machine having, in combination, stitch forming and work feeding devices including a hook needle, a work support, a presser-foot, a loop taker at one side of the work operated upon, a needle looper at the other side of the work, and a take-up, a thread engaging member on the take-up, a shaft about which the take-up oscillates and a tension wheel having thread guiding means about its periphery arranged to rotate about an axis at an angle to the take-up shaft with the portion of the periphery at which the thread leaves located between the axis of the take-up shaft and the thread engaging member and substantially in the plane in which the take-up oscillates.

2,257,951
AUTOMOBILE BODY
Alfred H. Haberstump, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application May 31, 1938, Serial No. 210,843
7 Claims. (Cl. 296—84)



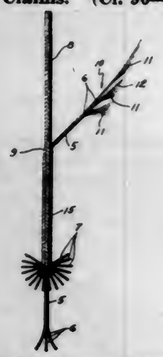
1. In a vehicle body, a roof panel and pillars sloping forwardly to the cowl of the body and having an opening therein, a windshield above said cowl, a roof window above said windshield, a metal strip forming a unit part of the body between said windshield and roof window, and a unit sealing strip attaching said window and windshield to said metal strip.

2,257,952
CONTAINER
John T. Hartnett, Boston, Mass.
Application July 30, 1937, Serial No. 156,536
6 Claims. (Cl. 229—17)



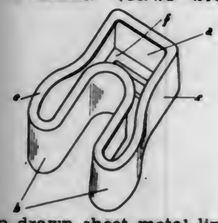
1. A cardboard box provided with front, rear and side walls, an aperture in the front wall thereof through which articles contained in the box may be shaken out, said aperture occupying only a relatively small portion of both the length and width of said wall, a closure panel forming the top of the box and hinged to the rear thereof, said closure panel also including a flap on the front edge thereof extending downwardly along the front wall, when in closed position, and of sufficient width to close said aperture, said flap being movable to open said aperture and being provided adjacent its free end with one or more inwardly extending wings, means on the side wall positioned to contact said wings to limit the outward movement of the flap in exposing the aperture, said flap when closed overlapping portions of said box at the edges of said aperture whereby the pressure of the contents of said box against the inner surfaces of the flap tend to hold it in closed position.

2,257,953
TAPERED FISHING LINE AND METHOD OF MAKING
George F. Haskell, North Pharsalia, N. Y.
Application May 6, 1941, Serial No. 392,030
11 Claims. (Cl. 96—26)



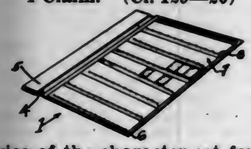
1. A method of making a tapered fishing line comprising braiding a jacket for a portion of a line, pulling in a strand for a core with one end extending outwardly through a side of the jacket, fraying said end and cutting it diagonally to form a tapered end, then drawing the frayed end into the jacket, and continuing braiding of the jacket about the core.

2,257,954
SLIDE-FASTENER LINK
Kurt Henkels, Wuppertal, Germany
Application March 4, 1940, Serial No. 322,067
In Germany March 4, 1939
3 Claims. (Cl. 24—205)



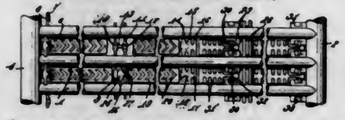
3. A deep-drawn sheet-metal link for a slide-fastener of general U shape, and including a basal web from which on one side and in the bend of the U rises medially an elevated coupling portion and on the other side rises peripherally a border wall, such border wall defining a recess at the bend of the U complemental to the elevated coupling portion.

2,257,955
LOOSE-LEAF STAMP DISPLAY PAGE AND CARD
Joseph G. Herman, Los Angeles, Calif.
Application August 5, 1939, Serial No. 288,604
1 Claim. (Cl. 129—20)



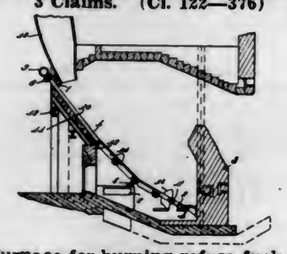
In a device of the character set forth, a backing with its face being provided with interlocking transparent strips running parallel with each other and being of uniform width to permit each strip partially overlapping the next adjacent lower strip to form pockets for stamps and each strip being stitched to said backing to hold said strip to said backing and to form a hinge for said strip and said stitching dividing the strip into two sections to permit said strip to be swung outwardly from the backing to insert and remove the postage stamps.

2,257,956
FURNACE GRATE
Maurice A. Hofft and Nick T. Puckett, Indianapolis, Ind.
Application March 17, 1939, Serial No. 262,391
4 Claims. (Cl. 122—376)



3. A furnace grate comprising in combination, a plurality of water tubes arranged side by side in spaced relation, pairs of grate bar supports each having a trunnion socket therein and welded to adjacent water tubes, and grate bars having oppositely disposed trunnions resting in the trunnion sockets of the grate bar supports and between the water tubes.

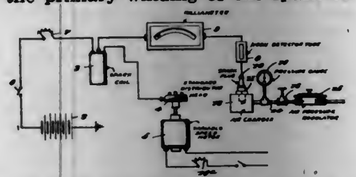
2,257,957
FURNACE GRATE
Maurice A. Hofft and Nick T. Puckett, Indianapolis, Ind.
Application March 25, 1940, Serial No. 325,678
3 Claims. (Cl. 122—376)



3. A furnace for burning refuse fuels and having a front wall and a bridge wall, including a grate comprising a hearth, downwardly inclined and extending from the intake end of the furnace toward the rear, a plurality of water tubes disposed side by side in spaced relation and extending from the front to the rear of the furnace and having their upper ends associated with said hearth and their lower ends supported adjacent the bridge wall, and grate bars mounted between said tubes beyond the hearth, and a header arranged exteriorly of the furnace and connecting the upper ends of the furnace tubes.

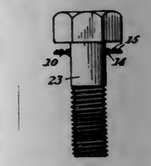
2,257,958
SPARK PLUG TESTER
Clifford F. Holcombe, San Antonio, Tex.
Application April 29, 1940, Serial No. 332,381
1 Claim. (Cl. 175—183)

In an apparatus for testing spark plugs, a spark-plug receiving air chamber, a pipe line for delivering air under pressure to said air chamber having a pressure regulator therein and a pressure gauge and a valve in the pipe line between the pressure regulator and the air chamber, and electrical indicating means including a spark coil, a distributor head in circuit with the primary winding of the spark coil and



driven by a variable speed motor, a milliammeter and a neon detector tube in series with the secondary winding of the spark coil and adapted to be connected in series with a spark plug on the air chamber whereby the spark plug may be tested, and a rheostat for controlling flow of current from a source through the spark coil.

2,257,959
FASTENER WITH LOCK WASHER ATTACHED
David Hoppenstand, Fox Chapel Borough, Pa.
Application October 26, 1940, Serial No. 362,979
2 Claims. (Cl. 151—32)

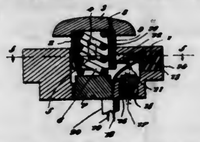


1. A permanently assembled fastener and a lock washer, the fastener having a head and a body portion, the body portion having threads, the washer comprising a disk having a central opening of less diameter than the body of the fastener, there being radial slits extending outwardly from the opening, whereby a plurality of spring tongues are formed surrounding the body of the fastener, the portion of the body of the fastener engaged by the spring tongues being substantially the same diameter as the adjacent portions of the body of the fastener, said tongues being sufficiently flexible to permit the body of the fastener to be pressed through the opening in the washer, so that the free ends of said tongues are sprung away from the head of the fastener, whereby the end edges of the tongues adjacent to the head of the fastener grip the body of the fastener and prevent withdrawal of the washer from the body of the fastener, and when applied one edge of each tongue grips the body of the fastener and the other grips the piece secured by the fastener.

2,257,960
CLEANING ALUMINUM SURFACES
William M. Humphrey, Jackson Heights, and Robert E. Lee, Jamaica, N. Y.
No Drawing. Application January 12, 1939, Serial No. 250,570
4 Claims. (Cl. 148—8)

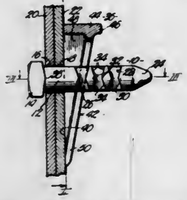
1. A new cleaning composition particularly adapted for removing aluminum oxide, etc. from aluminum surfaces, compounded from a material of the class consisting of phosphoric and phosphorous acids, a fluoride reactive with such material, and a colloidal clay, said composition, when applied to such surfaces, supplying available fluorine for cleaning such surfaces.

2,257,961
TIRE DEFLATION AND INFLATION INDICATOR
Edward C. Jones and Tom B. Seay, San Antonio, Tex.
Original application June 5, 1940, Serial No. 339,018, now Patent No. 2,249,426, dated July 15, 1941. Divided and this application January 21, 1941, Serial No. 375,350
4 Claims. (Cl. 200—58)



1. In a device of the class described, the combination of a casing provided in its side with a terminal and in its bottom with a terminal, a plunger unit comprising a hollow member and a solid head slidably mounted on said casing, a double L-shape spring seated partly in said head and partly in said hollow member, said double L-shape spring including an extension projecting beyond said hollow member and positioned between said terminals and said spring also including a foot engaging said extension and reinforcing same.

2,257,962
BOLT AND WEDGE ASSEMBLY
Merle E. Kemper, Kansas City, Mo.
Application June 21, 1940, Serial No. 341,689
2 Claims. (Cl. 85—8)



1. A bolt and wedge assembly comprising a bolt having a head having a V-shaped inner face with the apex thereof on a line intersecting the axis of said bolt; and having notches formed in the opposite sides of the body of the bolt to form two similar series of V-shaped ledges with apices thereof disposed parallel with the apex of the under face of said head; and a bifurcated wedge recessed on its inner side to receive said bolt and spaced apart parallel ribs of substantially uniform thickness adapted to respectively operate against the apices of corresponding ledges at opposite sides of said bolt whereby any distance between a predetermined maximum and minimum may be obtained between the head of the bolt and the inner face of said wedge.

2,257,963
ROD WITHDRAWING TOOL
Robert J. Kent, Jamaica, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 2, 1939, Serial No. 302,572
2 Claims. (Cl. 294—19)

1. A rod withdrawing tool comprising in com-

bination, a tubular body transversely apertured at spaced points, the transverse apertures being arranged around a common central point, a bell-mouthed front end on said body, a set of equally spaced pins mounted on said body and extending across the transverse apertures in said body, a set of bevel pointed fingers pivotally supported on said pins and extending inwardly through the transverse apertures in said body and angularly converging about the axial center of said body, the pointed ends of said fingers being directed toward the rear of said body, helical spring



means arranged in the form of a completely closed ring extending around said body and transversely through each of said fingers at a point between the pivotal point of support and the pointed end thereof and urging the bevel pointed ends of said fingers toward the axial center of said body, a thrust rod secured to an outer side surface of said body and extending in parallel with and rearwardly of said body in a plane entirely clear of the bore of said body and an enlarged internally threaded end portion on said thrust rod.

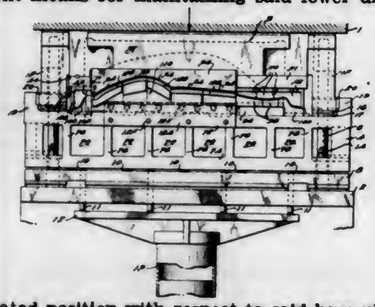
2,257,964
ARRANGEMENT FOR FANS FOR AIR COOLED REAR ENGINES
Milos Klavik, Prague-Smichov, Czechoslovakia
Application July 26, 1939, Serial No. 286,719
In Czechoslovakia April 7, 1938
2 Claims. (Cl. 180—54)



1. In combination with an air cooled rear engine for automobiles, a gear box secured to the front of the engine, a fan having an inlet side and an outlet side and mounted on the front vertical face of the gear box, a pipe extending from the inlet side of the said fan co-axially with the engine toward the front of the vehicle, said pipe adapted to pass air from the front of the vehicle to the inlet side of the fan, and a duct from the outlet side of the fan to the engine cylinders whereby the air drawn through said pipe by the fan from the front of the vehicle is blown over the cylinders of the engine.

2,257,965
TRIMMING MECHANISM
George T. Koch, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application March 21, 1938, Serial No. 197,206
1 Claim. (Cl. 164—29)

In a trimming mechanism, an upper die, a base plate, a lower die intermediate the upper die and base plate, said dies being adapted to receive a work piece therebetween, and to move toward each other, a pair of shearing cutters fixedly carried by the upper die, a shearing cutter fixed on the lower die and adapted upon movement of said dies toward each other to cooperate with one of said cutters on the upper die and thereby trim a portion of the work piece, a second shearing cutter slidably mounted on the lower die for movement in a direction substantially perpendicular to the direction of relative movement between said dies and adapted on outward movement to cooperate with the other of said cutters on the upper die when said dies are in a predetermined relative position to trim another portion of the work piece, a cam carried by the base plate and operable when said lower die is moved toward said base plate to force said movable cutter on the lower die outwardly, resilient means for maintaining said lower die in



elevated position with respect to said base plate, means for moving said upper die toward said lower die and base plate, and means for limiting movement of said upper die toward said lower die upon completion of the operation of said shearing cutters on said first portion of the work piece and at the point at which said dies are in said predetermined position whereby upon further movement of said upper die said upper and lower dies will move as a unit toward said base plate against the force of said resilient means and effect operation of said second shearing cutter by said cam.

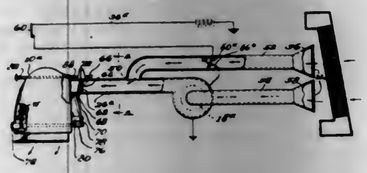
2,257,966
GUARD SUPPORT FOR OPHTHALMIC MOUNTINGS
Walter C. Krapp, Rochester, N. Y., assignor to Shuron Optical Company, Inc., Rochester, N. Y., a corporation of New York
Application September 14, 1939, Serial No. 294,880
2 Claims. (Cl. 88—49)



2. In an ophthalmic mounting, the combination with a pair of side arms of substantially equal width and pliability connected by a yoke portion and having a supporting guard arm connected thereto centrally symmetrically of the yoke portions, one of the side arms at an intermediate point being provided with a transverse pintle extending toward the other in the plane of both arms, of a guard having a knuckle turning loosely on the pintle to be released and secured by the spreading and contraction of the arms from and toward each other, respectively.

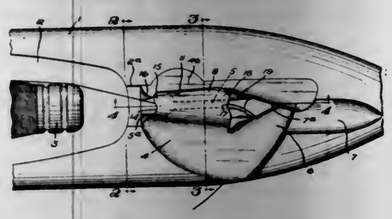
2,257,967
AUTOMOBILE HEATER
Arden W. Le Fevre and Thomas F. Spackman, Chicago, Ill., assignors to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application October 31, 1938, Serial No. 237,840
5 Claims. (Cl. 98—2)

1. In a heating device for motor vehicles a heater, a switch for operating said heater, a conduit supplying said heater with air, a blower for moving air through said conduit, a motor for operating said blower, a source of energy for said motor, air responsive means in said conduit for



making and breaking contact between said motor and said source of energy, a valve for closing said conduit, means for opening said valve simultaneously with the actuation of the heater switch, and independent means for closing said valve when said heater is not in operation.

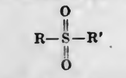
2,257,968
LOOM SHUTTLE
Germain Lepage, Fall River, Mass.
Application September 18, 1940, Serial No. 357,233
5 Claims. (Cl. 139—223)



1. A loom shuttle comprising a shuttle body having a bobbin supported in a chamber therein, a threading block formed with a longitudinally extending thread passage in alinement with the said chamber, said shuttle body provided with a thread delivery eye and a thread guiding slot communicating with the eye and said thread passage, said threading block having one of the sides which form the thread passage provided with a forward thread trapping wall located at a point adjacent the front end of the thread passage, said side wall also provided with a rear thread trapping wall located at a point adjacent the throat of the thread passage, the said side wall being recessed between the front and rear thread trapping walls to form a shelf, the opposite side wall forming the thread passage being provided with a guard plate which extends downwardly and laterally from the top of the said wall to overlie the thread passage and the said end of the thread passage to a point adjacent shelf from a point adjacent and above the front its throat, the guard presenting an elongated edge which extends laterally beyond the thread passage a greater distance at its front end than at its rear end in a direction at right angles to the axis of the bobbin, said guard further having its front and rear edges formed with notches, the sides of the notches extending beyond the thread trapping walls in a direction at right angles to the axis of the bobbin and the sides of the notches being a continuation of the said elongated edge, thereby to avoid a pointed projection in the guard.

2,257,969
LUBRICANT
Clarence M. Loane and Bernard H. Shoemaker, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application May 18, 1939, Serial No. 274,406
8 Claims. (Cl. 252—46)

1. A lubricant containing a small amount of an organic sulfone having the general formula



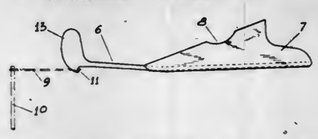
in which R and R′ are radicals selected from the group consisting of aliphatic radicals, alicyclic radicals, aromatic radicals, and hydrocarbon substituted aliphatic, cycloaliphatic and aromatic radicals.

2,257,970
TRAY FOR WATERMELONS
George M. Long, Canton, Miss.
Application July 10, 1940, Serial No. 344,789
1 Claim. (Cl. 65—15)



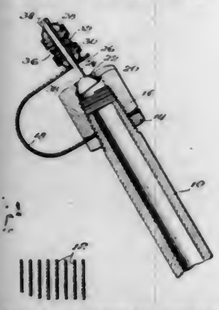
A tray for serving sliced watermelon comprising, a tray provided with a receptacle extending downwardly from the bottom, said receptacle being open at its upper side, said tray having an opening in the bottom registering with the open upper side of the receptacle, a rim formed on the edges of the opening in the tray fitting down into the opening in the top side of the receptacle, a rim on the outer edges of the receptacle, a rim on the outer edges of the tray fitting down upon and overlapping the rim on the outer edges of the receptacle to keep the tray from shifting, and a pair of prongs secured to the upper surfaces of the tray opposite one another at the opening to secure a piece of sliced watermelon to the tray.

2,257,971
AERIAL SPINNING TOY
Joseph M. Lorer, San Francisco, Calif.
Application January 27, 1941, Serial No. 376,162
2 Claims. (Cl. 46—51)



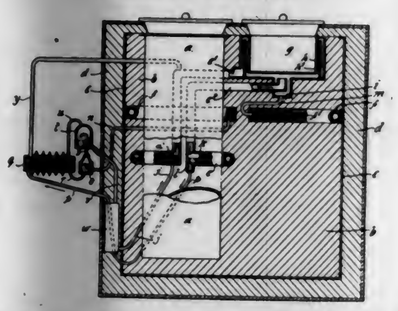
1. A vane for a spinning toy, comprising an arrow, a triangular bag rigidly attached to the upper side of the arrow, the apex of the bag in the direction of flight, a hole in the upper part of the bag, the end of the bag open, the bag made of resilient material such as substantially stiff paper, to keep the bag closed, or collapsed while travelling at slow speeds, and inflated to act as a feather on an arrow, when the arrow is moving swiftly, but the paper of the bag being sufficiently resilient to close the bag when the movement is slow, thereby to form a lopsided or single vane, whereby the toy will spin as it descends.

2,257,972
THERMOSTATIC VALVE
Henry J. De N. McCollum, Evanston, Ill.
Original application January 14, 1937, Serial No. 120,524. Divided and this application November 29, 1937, Serial No. 177,077
5 Claims. (Cl. 236—101)



1. A temperature responsive control valve for internal combustion heaters comprising a tubular support, an inwardly facing valve seat secured to said support, a bimetal thermostatic element having one end secured to said support, a valve engageable with said seat, a resilient lost motion connection between said valve and the free end of said element to yieldingly hold said valve outwardly against said seat when said element is heated above a predetermined temperature, and positively operating means to hold said valve against said seat when said element is cooled below said predetermined temperature.

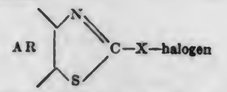
2,257,973
REFRIGERATOR CABINET
Guido Maiuri, London, England, assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application December 29, 1938, Serial No. 248,165
In Great Britain August 4, 1938
5 Claims. (Cl. 62—89)



2. In combination, refrigeration apparatus including a condenser, a first evaporator connected to said condenser, a second evaporator, means interconnecting said second evaporator and said condenser for circulation of inert gas therethrough and therebetween, an absorber, means interconnecting said absorber and said second evaporator for circulation of absorption liquid therethrough and therebetween, said system containing a refrigerant fluid soluble in said absorption liquid, a cabinet having a thermally insulated refrigerating chamber, said second evaporator being arranged to cool said chamber, and a thermal conductive medium around said thermally insulated chamber and arranged in heat conductive relation with said first evaporator.

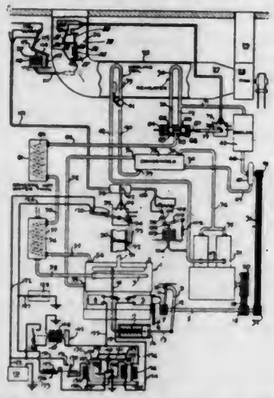
2,257,974
THIAZYL SULPHUR HALIDE
William E. Messer, Cheshire, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application June 22, 1939, Serial No. 280,446
8 Claims. (Cl. 260—306)

1. As new products, compounds having the general formula



where AR represents an arylene group; where X is an element of the group consisting of divalent sulphur, selenium, and tellurium.

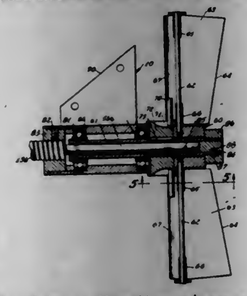
2,257,975
AIR CONDITIONING SYSTEM
Leo B. Miller, Hartsdale, N. Y., and William L. McGrath, St. Paul, Minn., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application July 16, 1937, Serial No. 154,024
12 Claims. (Cl. 257—3)



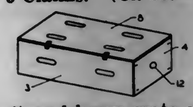
5. In a refrigeration system, in combination, a cooling device, means for supplying a cooling medium to said cooling device including an internal combustion engine, a controller for varying the output of said internal combustion engine, motor means for variably positioning said controller, cooling load responsive means for controlling the position assumed by said motor means to thereby effect modulation of the engine output in accordance with the cooling load, and means actuated when the engine output is reduced to a predetermined minimum value for discontinuing the modulation of engine output and for stopping said engine.

2,257,976
VARIABLE PITCH PROPELLER
Charles L. Moorman, Blue Island, Ill.
Application November 2, 1938, Serial No. 238,304
1 Claim. (Cl. 170—162)

A fan including a driving shaft, a driving hub member mounted for rotation with said shaft, a driven hub member arranged to float on said shaft, one of said hub members having a slot of predetermined length extending in the direction of rotation thereof and the remaining hub member having a projection extending into said slot and of a breadth less than the length of said slot so as to be movable in opposite rotational directions in the latter whereby to permit limited relative rotational displacement of said hub members and to provide a driving connection between the same for joint rotation thereof, a plurality of pivot members mounted on one of said hub members to extend in a direction at an angle to the axis of rotation thereof, a fan blade pivotally mounted for adjusting movement on each of said pivot members, each of said blades having an eccentrically positioned finger projected into slot means provided in the remaining hub member whereby relative rotational displacement of said hub members will effect adjusting pivotal movement of said blades in opposite directions, said hub members being displaced as aforesaid as a result of the inertia of said floating hub member consequent upon a change in the direction of rotation of the same with said driving hub member.

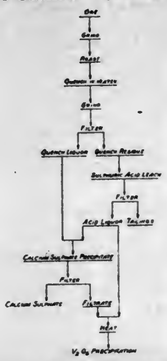


2,257,977
CARTON STRUCTURE
Charles F. Richard, Battle Creek, Mich.
Application June 21, 1937, Serial No. 149,375
3 Claims. (Cl. 229—6)



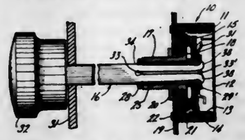
1. In a fruit and berry crate of the character described, the combination which consists of a single thickness unit bottom panel, side and end panels contiguous with and hingedly joined to said bottom panel, a flap on each side edge of each side panel, staple means for rigidly anchoring the end panels to said side panel flaps to form a container, short top flaps on the two end panels and on one side panel, a long top flap contiguous with and hinged to the upper edge of the other side panel, at least two tongued clips at and extending over the free edge of the top flap opposite the hinge, two anchor clips fastened to the side panel carrying the short flap, said clips being located at points on said side panel where they are engageable with the tongued clips on the top flap when same is folded to closed position, symmetrically and identically located ventilating passageways in the top and bottom panels, symmetrically and identically located ventilating passageways in the side panels, a symmetrically and identically located ventilating passageway in each of the end panels, a spacer member within said container and adapted for placing between horizontal tiers of goods to be handled thereby, said spacer having ventilating passageways symmetricly arranged and identically located with those of the top and bottom panels of the container, said spacer further having narrow elevators on the underface thereof, and means for supporting said spacer member at desired elevation.

2,257,978
EXTRACTION OF VANADIUM VALUES FROM VANADIUM-BEARING MATERIAL
John Robertson, Ricran, Peru, Holbert Earl Dunn, Crafton, Pa., and Archibald Alexander Sproul, Rye, N. Y., assignors to Vanadium Corporation of America, Bridgeville, Pa., a corporation of Delaware
Application February 23, 1940, Serial No. 320,458
16 Claims. (Cl. 23—18)



5. In a process for recovering vanadium values from materials containing vanadium and calcium compounds, the steps comprising roasting the materials without essential additions of alkali-metal compounds which would combine with the vanadium content to form water-soluble alkali-metal vanadates and at a temperature at which the calcium and vanadium compounds react to form water-soluble calcium vanadates, then quenching the roast in water which does not contain essential quantities of acid or alkaline vanadium-solubilizing reagents and at a temperature at which a large proportion of the water-soluble calcium vanadates are still retained in water-soluble form, and separating the water-soluble calcium vanadates from the residue.

2,257,979
COMBINED SHAFT BEARING AND COUPLING
Harry W. Rubinstein, Milwaukee, Wis., assignor to Globe-Union Inc., Milwaukee, Wis., a corporation of Delaware
Application December 23, 1939, Serial No. 310,806
9 Claims. (Cl. 64—4)



9. A control device of the character described comprising a casing having a fixed bushing, a hollow cylindrical bearing bushing rotatably supported in said fixed housing, said bearing bush-

ing having an upwardly directed annular flange having rotative engagement with the end of said fixed bushing, and an operating shaft having a portion of flat stock extending within said bearing bushing and having its edges in engagement with the inner peripheral wall thereof, said shaft having a latching projection for releasably securing said shaft against axial displacement within said bearing bushing, there being interlocking means between said flange and said shaft to prevent relative movement therebetween.

2,257,980

MANUFACTURE OF ALIPHATIC UNSATURATED NITRO COMPOUNDS

Herbert Schwarz, Leverkusen-Wiesdorf, and Johannes Nelles, Leverkusen-Schlebusch, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application August 2, 1939, Serial No. 287,932. In Germany August 15, 1938
2 Claims. (Cl. 260—644)

1. The process which comprises causing interaction between an aliphatic O.acylated β-hydroxynitrocompound having at most eight carbon atoms in the alcohol residue of the ester and an alkaline reacting substance, the latter being employed in an amount below the stoichiometric one.

2,257,981

COSMETIC SAMPLING DEVICE

Douglas C. Scott, Alameda, Calif.

Application June 3, 1940, Serial No. 338,512
1 Claim. (Cl. 35—59)



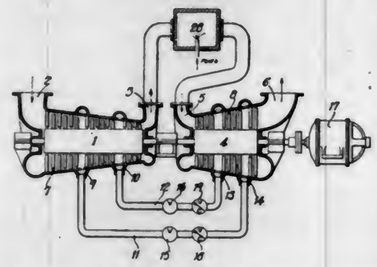
A color sampling device comprising a base, guides on said base, arcuate support members slidably mounted in said guides, a frame carried by said support members and supported thereby above said base, said frame being movable with said support members into various degrees of angularity with respect to said base, means in said base for yieldably resisting movement of said frame between angular positions thereof relative to the base, a mirror carried by said frame having a coating of light-reflecting material thereon in which an operator may view a facial image, said coating having therein an opening permeable to light and corresponding in outline with a visual image of the viewer's lips, a bearing bar in said frame, a hub journaled in said bearing bar, a dial carried by said hub for rotation therewith and positioned to move below said coating opening, said dial having thereon a plurality of segmental areas of color movable, as said dial is moved, into registry with said coating opening, a gear mounted on said hub, a drive shaft journaled in and extending exteriorly of said frame, a gear mounted on said drive shaft and in mesh with said hub gear, and a knob carried by said drive shaft.

2,257,982

GAS TURBOCOMPRESSOR PLANT

Claude Seippel, Ennetbaden, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland

Application August 17, 1938, Serial No. 225,408
In Germany August 23, 1937
4 Claims. (Cl. 60—41)



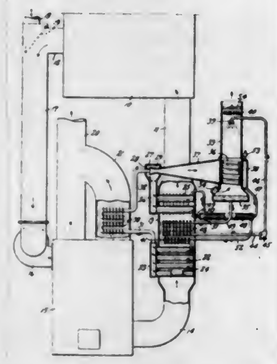
1. A heat power plant comprising a multistage gas turbine, a multistage rotary compressor driven by said turbine, a high pressure combustion chamber comprising fuel supply means and being connected for compressed air flow with said compressor and being supplied with combustion air therefrom and being connected for combustion gas flow with and supplying combustion gas to said turbine for its operation, and a pressure equalizing conduit directly interconnecting such an intermediate stage of said compressor and such an intermediate stage of said turbine that air flows through said conduit from said compressor directly to said turbine in an amount decreasing at increasing total flow of air through said compressor and that there is no air flow through said equalizing conduit at full load operation of said plant.

2,257,983

REFRIGERATION

Bennet Carroll Shipman, deceased, late of Arlington County, Va., by Clara Wood Shipman, executrix, Birmingham, Ala., assignor to Servel, Inc., a corporation of Delaware

Application December 7, 1938, Serial No. 244,364
18 Claims. (Cl. 183—4)



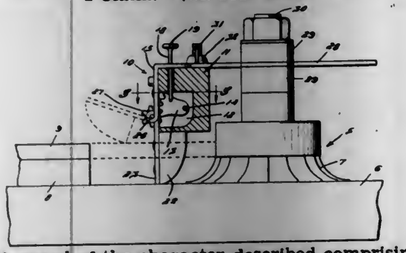
15. A process of conditioning air which includes dehumidifying air by passing the air in contact with water absorption material, and utilizing the resulting heat of absorption for producing refrigeration to cool the dried air.

2,257,984

AUTOMATIC SHAPER GUARD

Clarence J. Siegel, Grand Rapids, Mich.

Application February 4, 1941, Serial No. 377,387
1 Claim. (Cl. 144—251)



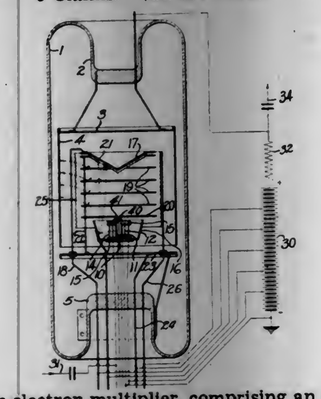
A guard of the character described comprising a support, a vertically movable guard element on the support, said guard element being adapted to ride work disposed under the same, said vertically movable guard element consisting of a hinged block, a gear carried by the hinged block, a segmental gear meshing with the first-mentioned gear, a slide pin mounted on the support and having a portion extending exteriorly of the support, said pin being connected with the segmental gear to operate the segmental gear when the pin is reciprocated.

2,257,985

POWER MULTIPLIER

Richard L. Snyder, Glassboro, N. J., assignor, by mesne assignments, to Farnsworth Television & Radio Corporation, Dover, Del., a corporation of Delaware

Application August 3, 1938, Serial No. 222,813
6 Claims. (Cl. 250—175)



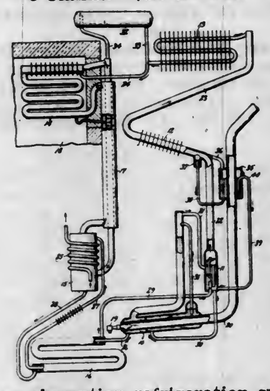
1. An electron multiplier, comprising an evacuated envelope having therein an electron source, a plurality of secondarily emissive multiplying stages, an electron-permeable screen surrounding said multiplying stages and forming to a Faraday cage, the last of said stages being completely non-permeable to electrons emitted from the next previous stage and being completely permeable to secondary electrons emitted by said last stage, and means for withdrawing electrons from said last stage.

2,257,986

REFRIGERATION

Walter W. Soroka, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware

Application December 11, 1937, Serial No. 179,234
8 Claims. (Cl. 62—179)



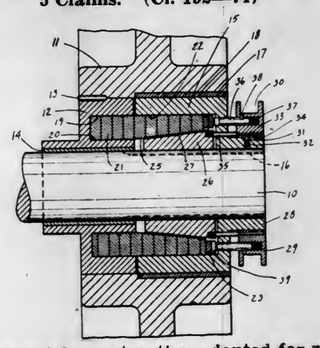
1. In an absorption refrigeration system having a main circuit including a condensation type rectifier, an auxiliary circuit including a vaporizer connected to receive condensate from said rectifier and deliver vapor to said main circuit, and a burner and flue for supplying heat to said main circuit, said flue being arranged to also heat said vaporizer in the auxiliary circuit.

2,257,987

CLUTCH CONSTRUCTION

William Carleton Starkey, Indianapolis, Ind., assignor to L. G. S. Spring Clutches, Incorporated, Indianapolis, Ind., a corporation

Application October 2, 1939, Serial No. 297,533
5 Claims. (Cl. 192—74)



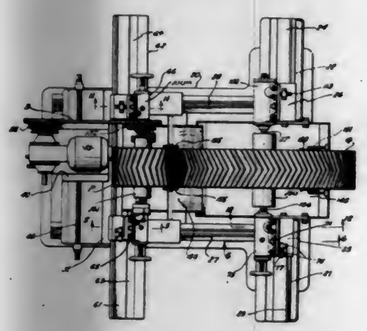
4. In a clutch construction adapted for reversible drive, a rotatable driving element, a driven element coaxially rotatable therewith, a helical clutch spring having one end anchored to one of said elements and the other end normally free, the free end of said spring having an external clutch surface engageable with a mating clutch surface on the other of said elements for transmission of torque therebetween in one direction when said spring is expanded, an actuator constrained to rotate with said other element but movable axially thereof, said actuator having a frusto-conical clutch surface engageable with a mating interior clutch surface on the free end

of said spring for transmission of torque therebetween in the opposite direction when said actuator is axially moved, and an actuator adapted to exert an expanding force on said spring.

2,257,988
PROCESS OF PRODUCING ALUMINIUM ALLOYS
Robert Suchy and Hellmuth Seliger, Bitterfeld, Germany, assignors, by mesne assignments, to Walther H. Duisberg, New York, N. Y.
No Drawing. Application January 22, 1938, Serial No. 186,305. In Germany January 29, 1937
5 Claims. (Cl. 75—138)

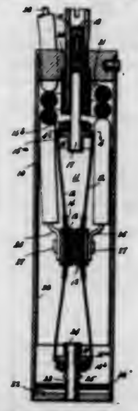
1. A process for the production of aluminium calcium alloys, which comprises causing moulded bodies comprising a mixture of ground burnt lime and aluminium in comminuted form, to react, at temperatures of the order of 1500° C., in contact with a mass of molten aluminium, and separating the non-metallic products of the reaction from the molten aluminium calcium alloy formed.

2,257,989
GEAR LAPPING MACHINE
William Edwin Sykes, Manor Works, Staines, England
Application February 7, 1939, Serial No. 255,108
3 Claims. (Cl. 51—26)



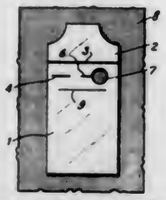
1. A gear lapping machine comprising a machine bed having longitudinally extending slides, a carriage carried by the slides, means for adjustably moving the carriage on the slides, transversely aligned slides formed on the carriage, a pair of bearing units mounted on the carriage slides and each having a bearing block, a center pin affixed to each bearing block, said pins being utilized to mount a gear carrying shaft for rotation therebetween, fixed pedestals on the bed located adjacent one end of the bed slides and having transversely aligned slides, a pair of bearing units on the pedestal slides, each having a bearing block, a center pin affixed to each block for rotatably receiving the shaft of the remaining lapping gear, one of each pair of said blocks being mounted for longitudinal adjustment relative to said bed and the remaining two blocks being mounted for vertical adjustment, means for moving said bearing units on their respective slides, means for locking the units against movement, and drive means on the carriage having a driving connection with the gear shaft on said carriage.

2,257,990
SWITCH
Wilfred J. Turenne, Fayville, Mass.
Application January 29, 1940, Serial No. 316,069
5 Claims. (Cl. 200—137)



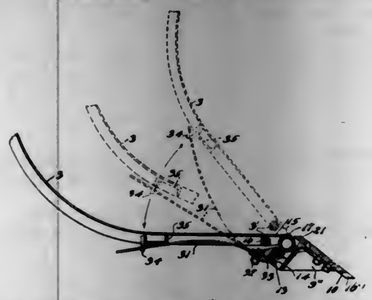
1. A thermostatic switch comprising a casing of material having a relatively high coefficient of expansion, said casing having a threaded bore at one end and an abutment member rigidly secured to and extending inwardly of the other end thereof, a circuit-controlling member of material having a relatively low coefficient of expansion disposed within said casing, a head secured to one end of said circuit-controlling member, means for adjusting the longitudinal position of said circuit-controlling member, said means having a threaded stud secured to said head, and an interiorly and exteriorly threaded sleeve, the interior threads whereof are in engagement with said threaded stud and the exterior threads, with said threaded bore, and a second head rigidly secured to the other end of said circuit-controlling member and slidably connected to said abutment member.

2,257,991
PRICE TAG
Ericcson B. Van Norden, Rainbow Lakes, N. J., assignor to A. Kimball Company, New York, N. Y., a corporation of New York
Application January 27, 1940, Serial No. 315,876
1 Claim. (Cl. 40—25)



A pin ticket comprising a body portion of suitable sheet material, a flap forming an extension of said body portion at one end thereof, but separated therefrom by a fold line, the other end of said body portion terminating in a free edge, said body portion being provided with a slit extending parallel to said fold line and spaced therefrom to receive the end of said flap when folded, an attaching staple permanently secured to said body portion between said fold line and slit, said staple having a single leg extending transversely across said ticket substantially parallel to the rear face thereof and contiguous thereto, said leg terminating in a point within the marginal outlines of the ticket, the distance between said fold line and slit being less than the length of said staple leg, and said body portion being provided with an aperture between said fold line and slit, said aperture being aligned with and opposite said point and extending back from said point a sufficient distance to permit said leg to be manually bent backwards around the edge of said aperture for attaching purposes.

2,257,992
DIRT MOVING MACHINE
George A. Vaughn, Newton, Iowa, assignor, by mesne assignments, to Koehring Company, Milwaukee, Wis., a corporation of Wisconsin
Application November 14, 1939, Serial No. 304,427
15 Claims. (Cl. 37—118)

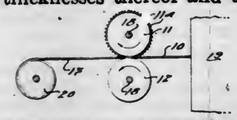


3. In apparatus of the class described, a main frame including spaced side walls, a fixed cutter bar disposed transversely between the side walls of the main frame near their forward ends and rigidly connected thereto, a cutter blade carried by the cutter bar, and a load-carrying and dumping apron hingedly mounted between the side walls of the main frame at the rear of the cutter bar and adjacent thereto for swinging movement in an upward and downward direction, said apron including a hinge member extending transversely across its forward edge parallel to and normally in bearing engagement with the cutter bar, but having limited movement away from the cutter bar to afford a self-cleaning action.

8. In apparatus of the class described, a main frame including spaced side walls, a fixed cutter blade extending transversely between the side walls near their forward ends and depending therebelow, a load-carrying and dumping apron pivotally mounted between said side walls at the rear of the cutter blade for movement in an upward and downward direction, and means for automatically initiating downward movement of the apron when the apron reaches the limit of its upward movement upon dumping the same, said last-named means serving also to cushion the downward movement of the apron.

2,257,993
METHOD OF MANUFACTURING WIRE SCREENS
Leonard A. Young, Detroit, Mich.
Application November 16, 1939, Serial No. 304,661
7 Claims. (Cl. 140—7)

1. The method of manufacturing wire screens which includes the novel steps of flattening a round wire, forming a blank by assembling together said flattened wire and a plurality of round wires to provide loosely woven together round warp and flat weft wires, pressing said blank to flatten all of said assembled wires and reduce the thicknesses thereof and to cause re-



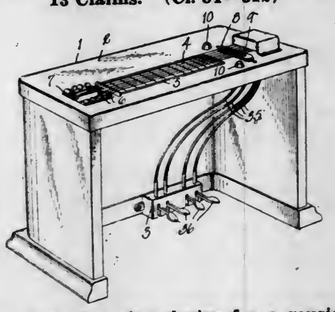
formation of the wire in said blank, whereby the warp and weft wires are of substantially rectangular cross section integrally united in a common plane throughout the entire area of the blank.

2,257,994
MATTRESS
Jesse E. Zofnass, Roxbury, Mass.
Application May 22, 1940, Serial No. 336,564
1 Claim. (Cl. 5—351)



A mattress comprising a central, substantially continuous, rigid plate having spaced apertures therethrough, a set of springs secured to the upper face of said plate, a set of springs secured to the lower face of said plate, padding covering the outer ends of each said set of springs, a fabric envelope enclosing said plate, springs and padding, and tufting cords connecting both pads and passing through said apertures in the plate.

2,257,995
MUSICAL INSTRUMENT
Neil B. Abrams and William J. Mills, Kalamazoo, Mich., assignors to Gibson, Inc., Kalamazoo, Mich.
Application October 21, 1940, Serial No. 361,988
13 Claims. (Cl. 84—312)



1. A pitch changing device for a musical instrument having a plurality of strings adjustably tensioned for tuning by keys at one end thereof, said device comprising a support having a fixed bridge thereon for anchoring the other end of certain of the strings, a plurality of levers, one for each remaining string, pivotally mounted on said support at one side of said bridge, each of said levers having an upwardly extending bridge nose, a rearwardly extending string snubbing

surface adjoining the nose about which the string associated therewith is disposed, and means for receiving and anchoring the adjacent end of the string whereby pivotal movement of any of said levers rocks the nose and alters the tension of the corresponding string, said noses alone supporting and tensioning the respective strings throughout the entire effective length thereof up to said keys, a plurality of plungers mounted on said support for vertical sliding movement and operatively connected with said levers, and pedal operated means associated with the plungers for actuating the same.

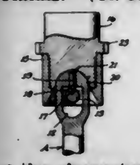
2,257,996

VERTICAL DIRECTIONAL DEVICE

Reuben C. Baker, Coalinga, Calif., assignor to Baker Oil Tools, Inc., Los Angeles, Calif., a corporation of California

Application March 18, 1940, Serial No. 324,487

10 Claims. (Cl. 33—221)



1. A device of the character described, including a plumb bob, supporting means for the plumb bob, a needle on said plumb bob providing a point bearing contact between said plumb bob and supporting means to permit the plumb bob to pivot freely when solely under the influence of gravity, means providing a spherical surface of contact between said plumb bob and supporting means when said point bearing contact is disrupted to transmit bearing loads therebetween irrespective of their angular positions with respect to one another, and means for elevating said plumb bob to disrupt said point bearing contact and establish said surface contact.

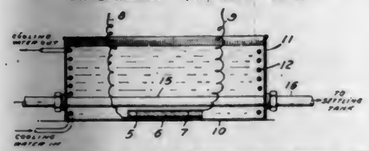
2,257,997

BREAKING PETROLEUM EMULSIONS

Robert Bowling Barnes, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

Application November 27, 1940, Serial No. 367,421

11 Claims. (Cl. 252—349)



1. A method of breaking petroleum oil field emulsions of the water-in-oil type which comprises the step of subjecting the emulsion to the action of ultrasonic vibrations of the type generated by a quartz crystal when placed between the electrodes of a high frequency alternating current.

2,257,998

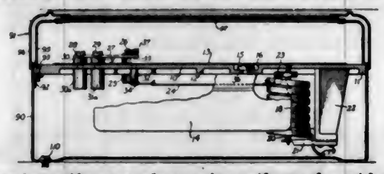
UNIT RECORDER

Arthur G. Beal, Foxboro, Mass., assignor to The Foxboro Company, Foxboro, Mass., a corporation of Massachusetts

Application October 19, 1939, Serial No. 300,122

2 Claims. (Cl. 234—72)

2. A mounting for instrument assemblies of the kind wherein a clock mechanism including a chart driving hub rotates a chart and a responsive element actuates an arm across said chart, comprising a rigid chart supporting plate having a central opening, a clock mechanism supported at the rear face of said plate and having a chart driving hub, an element supporting bracket projecting from said rear face, an arm actuating element supported on said bracket, an element actuated arm having a fixed pivotal axis supported by said plate, said plate also having reentrant re-



cessed portions and openings through said portions, and fastening means extending through said openings and laterally adjustable therein to secure said clock mechanism to the rear face of the plate in a position whereby said chart driving hub of said clock mechanism extends through said central opening of the plate and is adjustable in relation to said fixed pivotal axis of said arm.

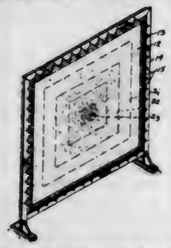
2,257,999

TRANSLUCENT PICTURE PROJECTION SCREEN AND MANUFACTURE THEREOF

Bernard M. Bodde, Hollywood, Calif.

Application August 20, 1938, Serial No. 225,973

16 Claims. (Cl. 91—68)



1. The method of making a translucent picture projection screen which comprises spraying a solution of screen material dissolved in a volatile solvent onto a matrix while sufficiently preventing evaporation of said solvent during said spraying to form a homogeneous light transmitting sheet and thereafter spraying a solution of said material on said sheet while causing a sufficient amount of said last mentioned solvent to evaporate during said last mentioned spraying to form a translucent layer of light refracting projections of discrete particles of said material on said sheet.

15. A translucent picture projection screen comprising a base of transparent material, a translucent surface on said base and comprising an array of rough discrete particles of plastic material bonded to said base and to each other.

2,258,000

TREATMENT OF WELLS PRODUCING MINERAL FLUID

Leonard C. Chamberlain, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application March 15, 1937, Serial No. 131,019

5 Claims. (Cl. 166—21)

1. In a method of treating a well penetrating a formation yielding both oil and water (or brine) to effect a reduction of water or brine inflow without adversely affecting the flow of oil to the well, the steps carried out consecutively which consist, first, in introducing alone into the well and thence into the formation a water-soluble surface tension lowering non-acid liquid agent and, second, putting the well into production until it is substantially purged of the liquid agent and, third, introducing into the well and thence into the formation a solution forming with water an insoluble deposit capable of stopping the water- or brine-producing pores of the formation.

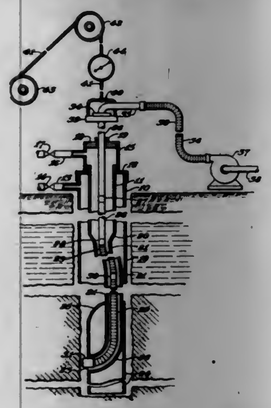
2,258,001

SUBTERRANEAN BORING

Leonard C. Chamberlain, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

Application December 23, 1938, Serial No. 247,308

16 Claims. (Cl. 255—1)



1. The method of drilling or forming a channel in a calcareous formation of a well hole, which comprises positioning in said well hole a nozzle adapted to effect therefrom a stream of hydrochloric acid supplied thereto under pressure, guiding said nozzle and said stream of acid issuing therefrom to the formation to be channeled so as to drill a channel therein, and measuring the weight of the nozzle suspending means that is supported from the surface and suspended in the well hole to ascertain the position of said nozzle with respect to its proximity to said formation.

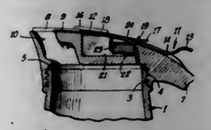
2,258,002

MOVABLE CLOSURE DEVICE

Robert E. De Kay, Los Angeles, Calif., assignor to Na-Mac Products Corp., Los Angeles, Calif., a corporation of California

Application December 18, 1939, Serial No. 309,760

7 Claims. (Cl. 65—31)



1. The combination with a container cap having means for attachment to the open end of a container and means defining an orifice through which the contents of said container may be discharged, of a movable closure device including: a shallow groove formed in said cap member extending transversely of said orifice; a flat blade-like closure member mounted in said groove for slidable movement therealong to open and close said orifice; flange means formed integrally with said cap member and extending across at least a part of the width of said groove and over said closure member for preventing movement of said closure member in a direction transverse to the length of said groove; a thumb-piece also slidably mounted in said groove below said flange; and means coupling said closure member to said thumb-piece for movement therewith.

2. The combination with a container cap having means for attachment to the open end of a container and means defining an orifice through which the contents of said container may be discharged, of a movable closure device including: a flat blade-like closure member; means on said cap defining an arcuate path of movement of said closure member forwardly and rearwardly across said orifice; a handle means on said cap member extending rearwardly and downwardly from said cap in substantial alignment with said path of movement; and a thumb-piece secured to said closure member in such position as to be moved therewith along an arcuate path of movement substantially paralleling the length of said handle.

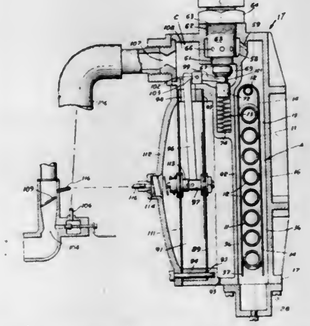
2,258,003

CARBURETOR DEVICE

Robert L. Dickson, Sacramento, Calif., assignor to Dickson Butane Equipment Co., San Mateo County, Calif., a corporation of California

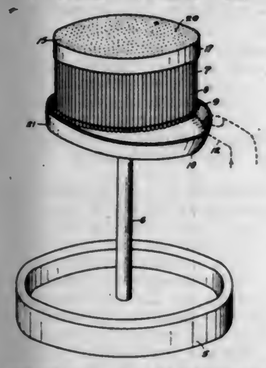
Application January 17, 1940, Serial No. 314,243

21 Claims. (Cl. 48—180)



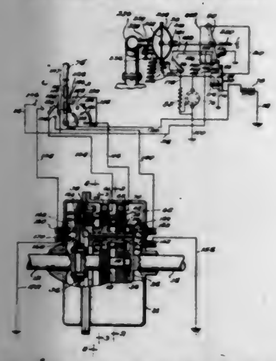
1. In a carburetor the combination with a chamber through which the fuel is passed in said carburetor; of a heat exchanger in said chamber comprising, a conduit extended through said chamber and carrying a heating medium, means to introduce said fuel into the chamber and over said conduit, and a shield spaced from the chamber walls and extended over the said fuel introducing means and over said conduit so as to confine a primary fuel path around the surface of said conduit, and a secondary path for the expanded fuel in the space between the shield and the chamber walls.

2,258,004
COMBINATION MATCH STAND AND SNUFFER
Isadore H. Dube, Cincinnati, Ohio, assignor to The Hamilton Match Company, Inc., Cincinnati, Ohio, a corporation of Ohio
Application November 21, 1938, Serial No. 241,630
6 Claims. (Cl. 206—31)



1. In a device of the class described, the combination of an upright shaft having a free end, a match unit secured to the shaft adjacent to said free end, said unit including headed matches extending lengthwise of the upright shaft, a displaceable snuffer element slidably mounted upon said shaft and normally in contact with the match heads of the match unit and means yieldingly opposing displacement of the snuffer element from the match heads longitudinally of the shaft.

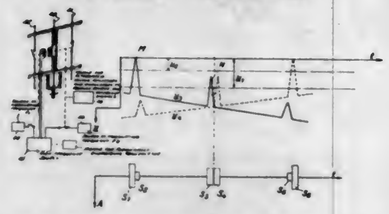
2,258,005
POWER TRANSMISSION
Augustus C. Durdin, Jr., Chicago, Ill.
Application January 31, 1938, Serial No. 187,970
21 Claims. (Cl. 172—239)



5. In an automotive vehicle, the combination including, an internal combustion engine, a power transmission including electromagnetic means adapted variably to be energized for transmitting power from the drive shaft to a driven shaft of the vehicle and the energization of which is adapted gradually to be strengthened gradually to start and accelerate said driven shaft, a variable voltage source of electrical energy for energizing said electromagnetic means, and means responsive to the vacuum developed by said engine for gradually increasing the voltage of said source, thereby gradually to strengthen the energization of said electromagnetic means.

14. In an automotive vehicle, the combination including, an internal combustion engine, a power transmission including a pair of electromagnetic means adapted to be energized for transmitting power from the drive shaft to a driven shaft of the vehicle, a source of electrical energy for said means driven by the engine, a second source of energy for said means, and means operable selectively to connect either of said means to one of said sources and to connect one of said means to both said sources, whereby one source can be used as an emergency source for one of said means.

2,258,006
DIRECTION FINDING SYSTEM
Hans Eggers, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application December 17, 1938, Serial No. 246,300
In Germany December 11, 1936
6 Claims. (Cl. 250—11)

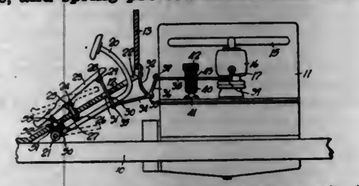


1. In a radio direction finding system, a radio beacon transmitter comprising a radiating dipole, a generator feeding said dipole, two reflectors, keying means for momentarily rendering said reflectors effective one after the other to successively produce directional radiation patterns composed of signals having predetermined amplitude time curves which set up a line of equal field intensity and for introducing an ineffective reflector interval after each effective reflector period, means to modulate each of said radiation patterns with a different distinguishing frequency, and means to subject said patterns to a continuous rotation, and a radio receiving equipment comprising a detector circuit to pick-up said modulated signals from said transmitter, a push-pull arrangement coupled with the output of said detector circuit and having two halves each of which responds to one of said distinguishing frequencies applied thereto from said detector circuit, a counting mechanism connected to said push-pull arrangement for counting the signals applied thereto, and means for actuating said counting mechanism in response to the integral of the amplitude time curve of each individual received signal picked-up by said receiving equipment as determined by the instantaneous directional alignment of said radiation patterns.

2,258,007
ACCELERATOR CONTROL DEVICE
Harold D. Gonderman, Nappanee, Ind., assignor of one-half to George D. Martin, Nappanee, Ind.
Application May 11, 1940, Serial No. 334,482
8 Claims. (Cl. 192—3)

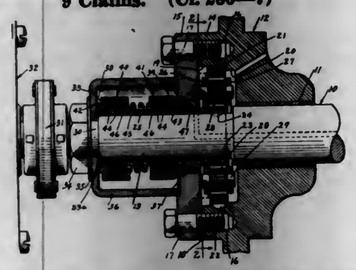
1. The combination with an automotive vehicle having an engine, a throttle valve, and foot operated means for controlling said valve including a longitudinally shiftable element, of a housing fixed on said engine and having a passage

therein through which said element loosely extends, and spring pressed means carried by said



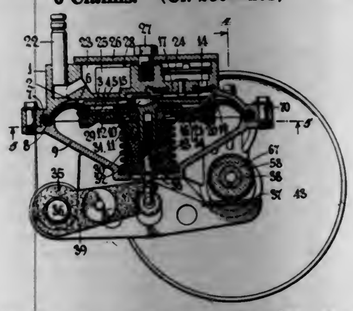
housing and pressing transversely against said element to releasably clamp said element in selected position.

2,258,008
STUFFING BOX
Arthur C. Hollatz, Bloomington, Ill., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill., a corporation of Illinois
Application October 20, 1939, Serial No. 300,331
9 Claims. (Cl. 286—7)



1. A stuffing box for a rotatable shaft comprising a stationary plate, a rotatable plate fixed to said shaft, a sleeve loosely mounted on said rotatable shaft between said fixed and rotatable plates, sealing means frictionally mounted on said sleeve to rotate therewith, said sealing means having contact with said rotatable and stationary plates to form sealed surfaces thereat, and power transmitting means actuated by the rotation of said rotatable shaft to impart rotation to said sleeve at a reduced speed relative to the speed of said rotatable shaft to provide a reduced seal surface speed.

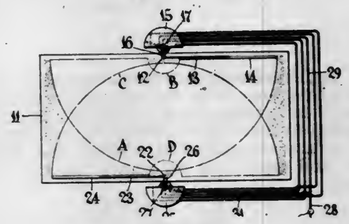
2,258,009
MOTOR VEHICLE ACCESSORY
Erwin C. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application March 28, 1938, Serial No. 198,532
6 Claims. (Cl. 230—171)



1. An air pump having a chamber, a piston

having an annular flexible body secured about its periphery to the wall of the chamber and a pair of body plates clamping the inner edge of the body and held spaced apart thereby to form a valve compartment between the plates, an air floated valve loosely confined in the compartment for controlling the air movement therethrough, said valve being free of the plates and bodily movable therebetween, and means for actuating the piston.

2,258,010
WINDSHIELD CLEANER
Erwin C. Horton, Hamburg, and Raymon E. Rousseau, Buffalo, N. Y., assignors to Trico Products Corporation, Buffalo, N. Y.
Application September 30, 1938, Serial No. 232,630
9 Claims. (Cl. 15—255)



1. In combination with a window, a wiper shaft adjacent one edge of the window, a second wiper shaft adjacent another edge of the window, wipers upon said shafts movable upon angular oscillation of the shafts over a common surface portion of the window constituting a primary field of vision through said window, motor operated means for oscillating the first wiper shaft, motor operated means for oscillating the second wiper shaft, and means relating the last two mentioned means for causing said means to oscillate the shafts at the same frequency and in out-of-phase relation to each other to avoid interference of the wipers upon said common surface portion of the window.

2,258,011
MEANS OF ATTACHING WHEEL BALANCE WEIGHTS
Ulysses A. Inman, Long Beach, Calif.
Application September 11, 1940, Serial No. 356,252
4 Claims. (Cl. 301—5)



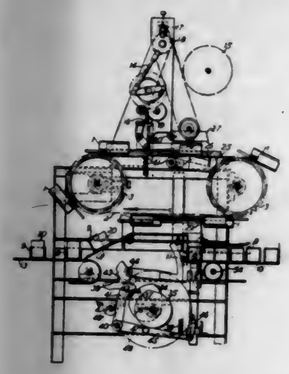
1. A means of attaching wheel balance weights, including a weight body and a clip fixedly attached thereto, of a spur struck from the clip, the free edge of said spur being adapted and arranged to engage the rim of the wheel, said spur being bent transversely to form sharp edges engageable with the wheel rim.

2,258,012
NAIL MANICURE MACHINE
Emile Alexandre Jeannotte, Montreal, Quebec, Canada
Application August 7, 1939, Serial No. 288,743
3 Claims. (Cl. 132—73.6)



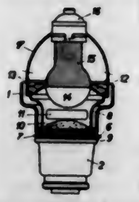
1. A nail manicure machine comprising a casing having an aperture through one end, a filing device in said casing and having its filing edge in alignment with the aperture of the casing, a shaft secured to said filing device and suitably driven, and means for adjusting the size of the aperture.

2,258,013
BOX LINING FORMING AND INSERTING MACHINE
Emil G. Jurgens, Chicago, and Hazen K. Becker, Winnetka, Ill., assignors to Peters Machinery Co., Chicago, Ill., a corporation of Illinois
Application September 14, 1940, Serial No. 356,774
3 Claims. (Cl. 93—36.01)



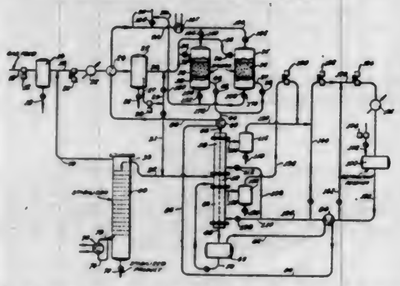
1. A machine for forming bag-shaped linings including a form carried by a conveyor, a feed mechanism arranged to deposit a lined sheet in front of the form, lining folding members positioned above and below the path of the form, two pairs of movable folding arms located above and below the path of the form and means for oscillating the arms vertically adjacent the sides of the form, the lower pair of folding arms having inwardly offset forward extensions and slots between the extensions and the folding arms, a pair of flap creasing arms located one adjacent each of the extensions and means for rotating the creasing arms in the direction of travel of the form.

2,258,014
ILLUMINATING DEVICE FOR ENLARGING OR PROJECTING APPARATUS
Kamillo Kallusch, Prerov, Czechoslovakia, assignor to Optikotechna, společnost s r. o., Přerov, Prerov, Czechoslovakia, a company of Czechoslovakia
Application April 20, 1939, Serial No. 269,011
In Czechoslovakia April 20, 1938
3 Claims. (Cl. 88—24)



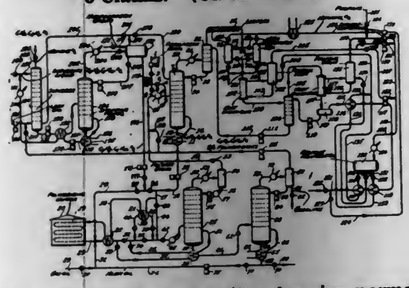
1. A device for direct illumination in connection with a condensing lens housing of an enlarging or projecting apparatus, comprising a casing including an illuminating chamber, means associated with said chamber for permitting uniform illumination, an incandescent electric lamp having the bulb thereof engaging partly in said housing for transmitting only the direct rays to said condensing lens and having the remaining part of said bulb exposed to cooling air, and having a light filtered coating means on said remaining part of said bulb transparent to light rays inactive for photographic sensitive emulsions.

2,258,015
SEPARATING HYDROCARBON FLUIDS
Percival C. Keith, Jr., Peapack, Luther R. Hill, Radburn, and Gordon J. Robertson, Westfield, N. J., assignors to The M. W. Kellogg Company, New York, N. Y., a corporation of Delaware
Application May 23, 1939, Serial No. 275,176
19 Claims. (Cl. 62—175.5)



18. A method of treating a gaseous mixture containing hydrocarbons to separate hydrocarbons therefrom which comprises cooling said mixture to a relatively low temperature but not below the freezing point of water to condense and remove water therefrom, contacting the mixture with a drying agent to remove substantially all remaining water from the mixture, then cooling the dehydrated mixture further to liquefy a portion of the hydrocarbons contained therein, separating cold liquefied hydrocarbons from cold residual gases and utilizing at least a part of said cold residual gases to effect said cooling of said gaseous mixture after contact with said drying agent and to cool said gaseous mixture prior to said contact.

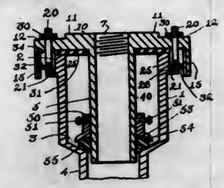
2,258,016
TREATING HYDROCARBON FLUIDS
Percival C. Keith, Jr., Peapack, and Luther R. Hill, Radburn, N. J., assignors to The Polymerization Process Corporation, Jersey City, N. J., a corporation of New Jersey
Application August 12, 1939, Serial No. 289,862
3 Claims. (Cl. 62—175.5)



1. A process for separating heavier normally gaseous hydrocarbons from a mixture of normally gaseous hydrocarbons wherein normally gaseous hydrocarbons are charged to a fractionating zone, separating said normally gaseous hydrocarbons in said fractionating zone into a fraction comprising lighter normally gaseous hydrocarbons and a fraction comprising heavier normally gaseous hydrocarbons, passing said fraction comprising lighter normally gaseous hydrocarbons through a drying zone, passing said dried fraction through a cooling zone wherein it is indirectly contacted with a liquefied refrigerant under high pressure to cool said fraction and condense additional heavier normally gaseous hydrocarbons therefrom, passing said cooled fraction through a second cooling zone wherein it is indirectly contacted with a liquefied refrigerant under lower pressure than said refrigerant in said first cooling zone to further cool said fraction and condense additional heavier normally gaseous hydrocarbons therefrom, said refrigerant being vaporized at least in part during said cooling process in said cooling zones, separating said condensed hydrocarbons from uncondensed normally gaseous hydrocarbons after each of said cooling zones, passing said condensed hydrocarbons to said fractionating zone, withdrawing vaporized refrigerant from said cooling zones, expanding said cooled uncondensed normally gaseous hydrocarbons, utilizing the energy made available by said expansion to compress at least a part of said vaporized refrigerant, to a high pressure, cooling said compressed refrigerant to liquefy it, passing said liquefied refrigerant to a common source of supply, withdrawing a portion of liquefied refrigerant from said common source of supply, cooling said portion of liquefied refrigerant by indirect contact with said cooled uncondensed normally gaseous hydrocarbons prior to said expansion step, withdrawing a second portion of liquefied refrigerant from said common source of supply, cooling said second portion of liquefied refrigerant by indirect contact with said expanded normally gaseous hydrocarbons and using said cooled portions of liquefied refrigerant as the refrigerant in said cooling zones.

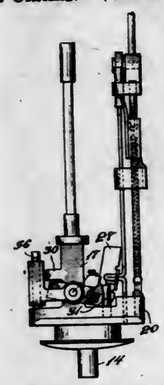
2,258,017
WASTE CONNECTION
Eugene F. King, Utica, N. Y.
Application April 23, 1940, Serial No. 331,192
5 Claims. (Cl. 285—22)

1. In a waste connection, a hub having a conical surface connected with an outlet directly therebelow, a tunnel member disposed within said hub and extending below said conical surface, a flange member formed on said tunnel member, bolts connecting said flange member with said



hub, a collar attached to said tunnel member, a washer disposed between said collar member and said conical surface for sealing the connection between the tunnel member and said hub to form a hermetically sealed joint.

2,258,018
BRAIDER CARRIER
John P. King, Pawtucket, R. I., assignor to Smith-King Company, a corporation of Rhode Island
Application April 24, 1940, Serial No. 331,424
12 Claims. (Cl. 96—15)

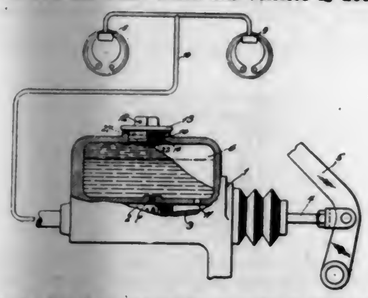


1. In a braider carrier a latch for controlling the rotation of the yarn package, said latch having an arm with a tooth carried thereby, means engaging said arm at a location spaced from said tooth for providing a fulcrum for said arm, and operating means independent of the yarn for engaging said arm between said fulcrum and tooth to move the tooth through a distance greater than the movement of said operating means.

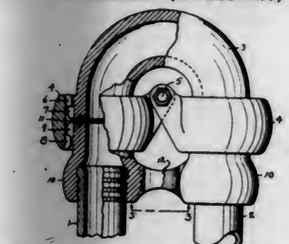
2,258,019
FILLER CAP VENT VALVE
Harold Kramer, Ladue, and Arthur N. Milster, Ferguson, Mo., assignors to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application December 28, 1939, Serial No. 311,324
8 Claims. (Cl. 188—152)

1. In combination with a liquid containing reservoir of a master cylinder device employed with an hydraulic braking system, said reservoir being provided with a filler opening and mounted on a vehicle whereby the liquid therein is subject to movement by the action of inertia during deceleration of the vehicle, of a filler cap for the opening and provided with a vent, and inertia controlled valve means associated with the vent

for preventing liquid in the reservoir from being forced out the vent when the vehicle is decelerating, said valve means being open when the vehicle is stopped or moving at a constant speed.



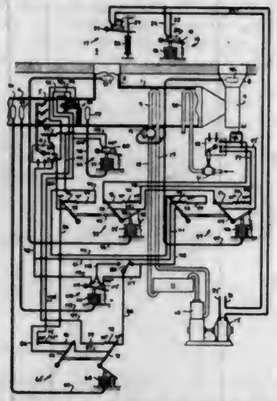
2,258,020
TUBE HOLDING DEVICE
Milton P. Laurent, Houston, Tex.
Application December 12, 1938, Serial No. 245,168
4 Claims. (Cl. 285—20)



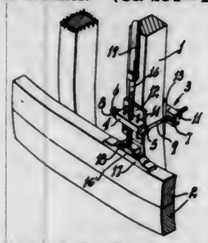
1. The combination with a pair of tubes and a return bend coupling, of a tube holding device comprising a pair of tube engaging elements and a member connecting said elements to permit movement of said tubes toward and away from each other but to maintain a predetermined relationship of the axes of said tubes during such movement.

2,258,021
AIR CONDITIONING SYSTEM
James S. Locke, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application March 19, 1938, Serial No. 196,945
21 Claims. (Cl. 257—3)

13. In a summer-winter air conditioning system, in combination, a conditioning chamber, discharge duct means connected to said chamber for delivering air to a conditioned space, means for supplying fresh and return air to said conditioning chamber, flow control means for controlling the proportions of fresh and return air supplied to said chamber, a motor for controlling said flow control means, discharge thermostatic means responsive to the temperature of the air discharged to said space for controlling said motor in a manner to decrease the flow of fresh air upon fall in discharge air temperature below a predetermined value, conditioning means in said chamber for heating or cooling the air, control means for said motor and normally operative when said conditioning means is placed in operation for heating the space to reduce the supply of fresh air to a predetermined minimum independently of said discharge thermostatic means, and control means normally operative when the conditioning means is placed in operation for cooling the space to render said discharge thermostatic means incapable of reducing the supply of fresh air upon fall in discharge temperature below said predetermined value.



2,258,022
EDGE SET JACK CLAMP
Fred W. McKee, Long Beach, Calif.
Application November 28, 1939, Serial No. 306,502
3 Claims. (Cl. 254—13)

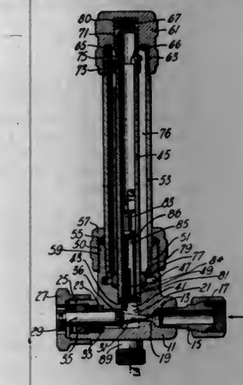


2. An edge set jack clamp comprising a head block, a jack screw threaded through the head block, a foot mounted on the lower end of the jack screw, a backing strip, a pair of eye bolts connecting the backing strip and the head block, and means on the head block engageable by the eye bolts, and an adjusting nut threaded onto each of the eye bolts, whereby the distance between the head block and the backing strip may be adjusted.

2,258,023
FLOWMETER
John W. McKernon, New Canaan, Conn., assignor to Oxweld Acetylene Company, a corporation of West Virginia
Application November 1, 1939, Serial No. 302,287
10 Claims. (Cl. 73—209)

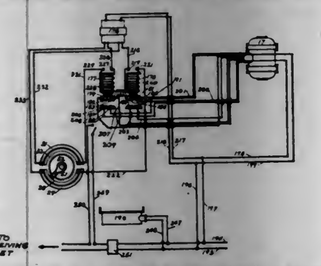
1. A flowmeter of the float-gauge type, comprising a base having a fluid inlet therein; concentric spaced transparent tubes carried by said base and including an outer tube secured to said base, and an inner calibrated gauge tube having a tapered inner wall; a fluid-tight cap sealing the upper end of said outer tube; a tube guide and housing contacting the upper end of said inner tube and slidable in said cap, said guide having apertures therein establishing

communication between the interior of said inner tube and an annular space between said outer and inner tube, a fluid outlet in communication with said annular space, yielding means



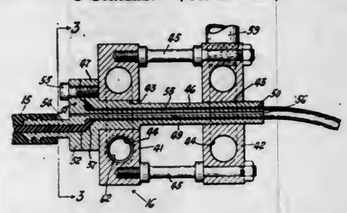
operatively interposed between said fluid-tight cap and said tube guide and adapted pressingly to urge said inner tube against said base, and a float member within said inner tube.

2,258,024
AUTOMATIC STATION TUNING APPARATUS
John J. Mauro, Brooklyn, N. Y.
Application October 17, 1940, Serial No. 361,550
12 Claims. (Cl. 250—40)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. Apparatus of the class described, comprising a reversible motor for adjusting the tuning means of a radio set, circuits for operating said motor in both directions, contact segments associated with said circuits for controlling the latter, a plurality of members angularly adjustable relative to each other for initial engagement with different portions of said contact segments, means for holding said members in fixed spaced relation for successive engagement between only one of said members and only one of said contact segments, means for supporting said contact segments and said members for relative movement for effecting engagement successively between each of said members and one or the other of said contact segments, time control means for periodically effecting said relative movement, and means responsive to operation of said motor for causing one of said members engaging one of said contact segments to travel from the point of initial engagement therewith substantially to the end thereof and thereby determine the extent of adjustment of said tuning means.

2,258,025
MOLDING APPARATUS
Harold B. Morris, Cuyahoga Falls, and John N. Street, Akron, Ohio, assignors to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application May 19, 1938, Serial No. 208,846
3 Claims. (Cl. 18—14)



1. A forming mold comprising two metallic blocks having central apertures and chambers formed therein, means securing said blocks together in spaced relation with their central apertures in alignment and forming a unit therewith, means associated with one of said blocks for circulating a cooling fluid through the chamber therein, means associated with the other of said blocks for circulating a heating fluid through the chamber therein, a housing extending through the central apertures of said blocks secured to at least one of said blocks, said housing being provided with an end head which is adjacent the block having cooling fluid circulating therethrough, said end head being recessed adjacent the bore of said housing to flare it outwardly, and a mandrel provided with tubular arms protruding from opposite sides thereof secured to the end head of said housing, one of said tubular arms extending into the bore of said housing and being concentric with and spaced from the inside wall of said housing to leave a tubular cavity in the bore of said housing, said mandrel and said end head forming an annular chamber in which one end of the tubular cavity through said housing terminates, the remaining tubular arm of said mandrel connecting to said annular chamber and being adapted to connect to a source of latex whereby latex can be forced into said annular chamber and then through the tubular cavity between said housing and said mandrel where it is formed into a tubular strip of rubber.

2,258,026
METHOD OF PRODUCING ABRASIVE ARTICLES
Harold B. Morris, Somerset, Mass., assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
No Drawing. Application August 19, 1938, Serial No. 225,776
5 Claims. (Cl. 51—299)

1. That process of forming an abrasive article including the steps of thoroughly moistening abrasive particles with a rubber cement including rubber, mineral rubber and gasoline, stirring a mixture of magnesium oxide and zinc oxide into the moistened abrasive particles to coat the surfaces thereof, admixing a vulcanizable partially prevulcanized latex bonding material including latex, butyl zimate, sulfur and ammonium sulfate into the abrasive particles, allowing the mixture to stand several minutes at an elevated temperature to thicken the bonding material, adding hard-rubber dust to the mixture and mixing it therein, drying the mixture to

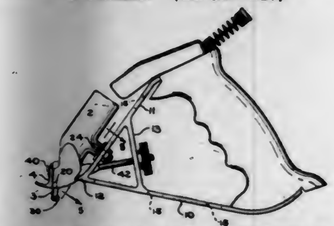
obtain a crumbly relatively non-coherent mass, pressing the mass to article form, and vulcanizing the mass to produce the final article.

2,258,027

TIRE GROOVER

William Mossback and Joseph A. Menard, Seattle, Wash., assignors to Timesaver Products Company, Seattle, Wash., a corporation of Washington

Application May 27, 1940, Serial No. 337,448
9 Claims. (Cl. 30—140)



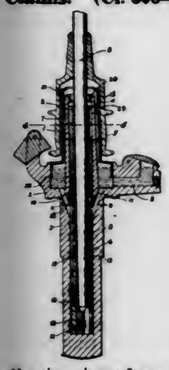
1. A tire grooving tool, comprising a handle and two angularly disposed frame members defining a generally triangular frame, a heated body disposed generally parallel to one of said frame members and engaging the apex of said frame opposite said handle, means interposed between said heated body and the member of said frame parallel thereto, supporting said heated body from such frame member in a position spaced therefrom, and a cutter carried by said heated body.

2,258,028

SPINNING MACHINE SPINDLE AND METHOD OF OPERATING SAME

Charles M. Neal, Biddeford, and John A. Kennedy, Saco, Maine, assignors to Saco-Lowell Shops, Biddeford, Maine, a corporation of Maine

Application January 19, 1938, Serial No. 185,734
6 Claims. (Cl. 308—169)



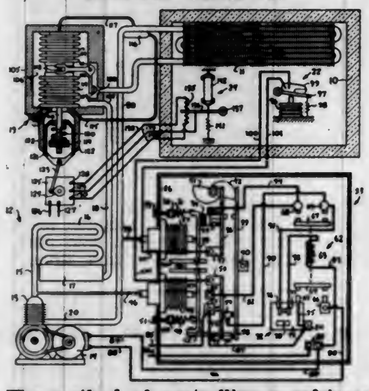
1. In a spindle structure for spinning machines, the combination of a spindle base having an oil well therein, an upright spindle blade mounted in said well, a bolster in said base supporting said blade in its operative position, said bolster having an outlet for the oil at a point between the blade and the bearing surface therefor at which a relatively high pressure is created by the rotation of said blade, and means for conducting oil away from said outlet and along a path out of contact with said bearing surface and to a point on said surface considerably above the level of the oil in said well, said bolster also having an inlet for the passage of oil from said well to a point on said bearing surface at which a relatively low pressure is created in the oil by the rotation of said blade.

2,258,029

REFRIGERATION CONTROL SYSTEM WITH RELATIVE HUMIDITY CONTROL

Alwin B. Newton, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application July 23, 1938, Serial No. 220,889
2 Claims. (Cl. 62—6)



2. The method of controlling a refrigerating apparatus having evaporator means for cooling a space in which are stored perishable articles which require high relative humidity conditions and relatively low temperature conditions for satisfactory preservation of the same, comprising the steps of, operating the refrigerating apparatus to cause circulation of refrigerant through the evaporator means at below freezing temperatures for cooling the space to the desired relatively low temperature value necessary for the satisfactory preservation of the perishable articles and not exceeding 40° F., defrosting periodically at sufficiently frequent intervals the evaporator means to prevent accumulation of frost on the evaporator means to allow the evaporator means to operate at the highest possible temperature in cooling the space whereby the removal of latent heat thereby is reduced to a minimum to allow relative humidity conditions to exist in the space which are too high for the satisfactory preservation of the perishable articles, and progressively decreasing the effective cooling area of the evaporator means as the relative humidity of the space increases above approximately 80%, the temperature of the effective cooling area decreasing and the removal of latent heat thereby increasing as the effective cooling area is decreased, whereby the relative humidity of the space is accurately reduced to the desired value necessary for the satisfactory preservation of the perishable articles.

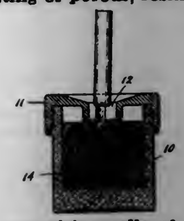
2,258,030

INK CONTAINER

John H. Oxley, Watertown, Mass., assignor to The American Crayon Company, Sandusky, Ohio, a corporation of Ohio

Application June 7, 1940, Serial No. 339,307
8 Claims. (Cl. 120—57)

1. In combination with a liquid ink container having a pen opening, an absorbent packing therein consisting of porous, resilient cellular la-



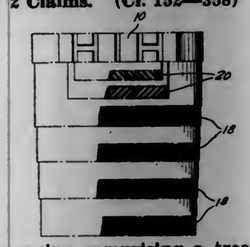
tex material comprising cells of such size as to hold a complete filling of ink therein by capillary attraction.

2,258,031

REINFORCED ARTICLE

Robert C. Pierce, Niles, Mich., assignor to National Standard Company, Niles, Mich., a corporation of Michigan

Application May 17, 1940, Serial No. 335,692
2 Claims. (Cl. 152—358)



1. A tire casing comprising a tread and side walls and reinforced side beads, and having imbedded therein a plurality of layers of flat tapes relatively narrow with respect to their length and extending diagonally around the casing from one bead to the other, said tapes being arranged closely adjacent side by side in layers to form substantially uniform layers, each tape being made up of strands of substantially uniform size braided together with each strand crossing over and under other strands diagonally back and forth across the tape and formed with reverse bends at the edges of the tape so that the tape is resilient longitudinally in both tension and compression, at least a part of said strands being formed by a plurality of metal wires twisted together, the strands being spaced in the tape to leave openings therethrough and the material of the casing being bonded to the strands and to itself through said openings to bond the tape securely in the casing.

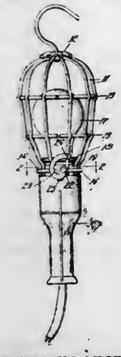
2,258,032

DETACHABLE LAMP GUARD

Rudolf Popp, Valparaiso, Ind., assignor to McGill Manufacturing Company, Valparaiso, Ind., a corporation of Indiana

Application May 6, 1938, Serial No. 206,318
8 Claims. (Cl. 240—102)

3. A wire cage for securing to a holder for a portable lamp, including in combination a pair of separable parts, with said parts connected at one end, and each having a projection extending laterally and outwardly therefrom at the other end, means for drawing and releasably connecting said two parts about said holder movably mounted on the projection of one of said parts and movable with said one part away from the other part when said two parts are separated, said means extending substantially longitudinally of said holder and having a cavity opening from one edge thereof and a cam portion at said cavity movable into sliding engagement with said second projection when said two parts are positioned about said holder, said cam portion on movement



of said connecting means operating on said second projection to draw said two parts together into pressed engagement about said holder, said means including a locking portion engageable with said other part to lock the pair of parts about said holder.

2,258,033

DRAWING ROLL CLEARER

Escar M. Presley, La Grange, Ga., assignor to Callaway Mills, La Grange, Ga., a corporation of Georgia

Application November 1, 1939, Serial No. 302,377
9 Claims. (Cl. 19—139)



1. In a textile machine having drawing rolls and aprons, a top clearer comprising a clearer board and a clearer cloth carried on the underneath side of said board and adapted to engage the upper rolls at the top thereof and a downwardly extending portion associated with said clearer cloth designed to fit behind the front top roll and in front of a top apron of said machine.

2,258,034

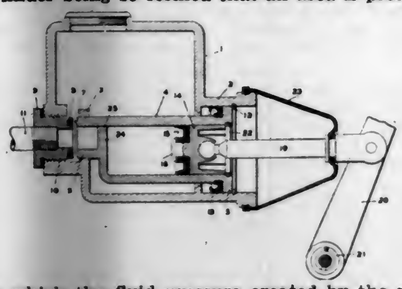
MASTER CYLINDER

Steve Schnell, Overland, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware

Application May 19 1939, Serial No. 274,540
8 Claims. (Cl. 60—54.6)

1. In fluid pressure apparatus, a support, a cylinder mounted on the support for limited reciprocable movement, means forming an outlet passage for the cylinder, a piston in said cylinder, a packing associated with the piston, means for normally positioning the piston at the rear of the cylinder and the cylinder at its rearward limit of movement, a reservoir, means comprising valve means controlled by the reciprocable movement of the cylinder for controlling communication between the reservoir and cylinder, and means independent of the packing for creating such friction between the piston and the

cylinder that the cylinder will move to close the valve when the piston is moved forward, said cylinder being so formed that an area is present



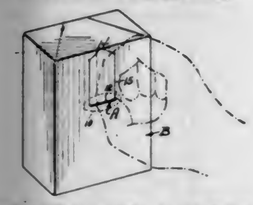
on which the fluid pressure created by the piston will produce a force tending to hold the valve means closed and which force will be proportional to the fluid pressure.

2,258,035
LINK FEED APRON
Robert L. Sjostrom, Lawrence, Mass., assignor to Mary Sjostrom
Application March 18, 1941, Serial No. 383,891
7 Claims. (Cl. 198—178)



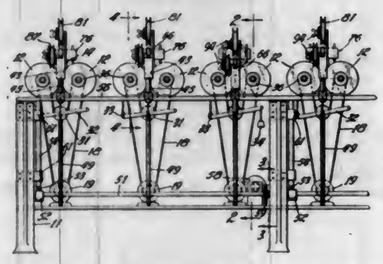
2. A link feed apron comprising a plurality of links formed of metallic sheet material, each having interlocking semi-cylindrical ends with surfaces partly in face to face relationship with each other and central sheet elements between such ends, and retaining members to retain said links together comprising brackets mounted at the lateral ends of the links and having a flange extending over the face of the lateral edges of said semi-cylindrical ends, a plurality of sharp pins with eyelets formed at one end, fastening means passing through said eyelets and attached to said central sheet element for holding the pins to said apron, said apron having perforations through which said pins pass to the side opposite to that to which they are fastened.

2,258,036
WRAPPER OPENER
Charles J. Smith and Arthur W. Nelson, Ely, Minn.
Application August 30, 1938, Serial No. 227,569
1 Claim. (Cl. 229—51)



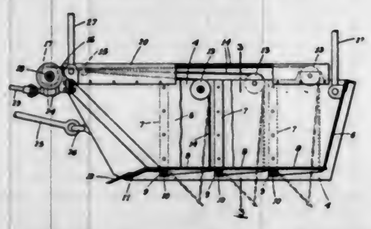
The combination with a package having a fragile wrapper therearound, a runner plate between the package and the wrapper, a bail having its ends passing through openings in the wrapper and turned laterally loosely engaging the inner face of the runner plate in non-clamping relation therewith, whereby the bail may be gripped and moved transversely of the length thereof for cutting two spaced parallel slits in the wrapper.

2,258,037
MACHINE FOR TREATING RACE RINGS FOR BEARINGS
Otto Storz, Valparaiso, Ind., assignor to McGill Manufacturing Company, Valparaiso, Ind., a corporation of Indiana
Application March 14 1939, Serial No. 261,796
14 Claims. (Cl. 51—58)



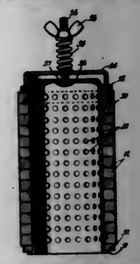
1. Apparatus for treating optionally the inside surface or outside surface of a ring, including a pair of closely and horizontally spaced driving rolls adapted to support and roll a ring between them, means for driving said driving rolls, a bracket, means for oscillating said bracket, an arm pivoted to said bracket and having a treating member on the end thereof, means for urging said treating member constantly against a surface of the ring, the oscillation of the bracket causing an oscillation of the arm to vary the contact between the treating member and the ring, and said arm being shiftable to an inactive position to permit removal of the ring, and means operated by the shifting of said arm to apply a fresh treating surface to said treating member.

2,258,038
SCRAPER BOWL
Gordon Titus, Earlimart, Calif., assignor to Walter A. Clark, Earlimart, Calif.
Application July 27, 1940, Serial No. 347,893
4 Claims. (Cl. 37—126)



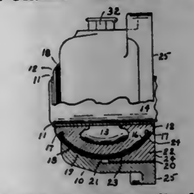
1. A scraper including a bowl having sides each comprising spaced inner and outer plates, a bottom for the bowl including a transverse door, means hinging the door along one edge on the bowl for downward opening movement, said door when closed extending under and engaging the bottom edge of the inner plates and means to control the opening and closing of the door including suspension elements depending between the plates of the two sides and connected to the door in spaced relation to the hinge means.

2,258,039
HEAT TREATING AND DRAWING FIXTURE
Victor F. Zahodiakin, New York, N. Y.
Application July 25, 1938, Serial No. 221,160
1 Claim. (Cl. 29—89)



A fixture for holding a multiplicity of rings in aligned, stacked, and clamped position for heat treatment, comprising a perforated cylindrical sleeve adapted to support and align the rings internally, said sleeve being open at one end and having an attaching portion across its other end, jaw means extending exteriorly around the open end of the sleeve for engaging one end of the stack of rings, jaw means at the other end of the sleeve, comprising a disc and a flange around said disc telescoping said sleeve and adapted to engage the other end of the stack of rings, a bolt extending through said attaching portion and said disc with the threaded portion thereof extending outwardly, a nut on said threaded portion, and a spring between the nut and the disc for placing said rings under constant compression for allowing expansion and contraction during heat treatment.

2,258,040
CUSHION SEAL BEARING
Fred M. Young, Racine, Wis.
Application January 31, 1938, Serial No. 187,822
1 Claim. (Cl. 308—26)



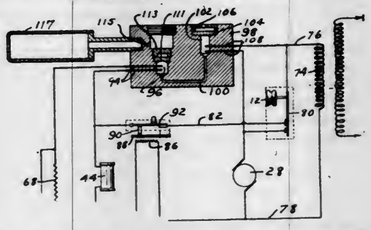
A device of the class described, comprising a bearing having a concentrically positioned relatively long spherically shaped member on its outer surface, a relatively thin band of elastic material having a uniform thickness positioned over and adapted to cover said spherical member, an integrally formed annular housing having on its rear end a flat surface being transverse to said bearing and adapted to act as a supporting base, said housing having a spherically shaped counterbore within its front end and being adapted to embrace the front outer surface of said band but leaving a relatively narrow strip exposed at the front end thereof, an opening in said housing extending rearwardly from and concentric with the rear end of said spherically shaped counterbore and having a diameter equal to or slightly larger than the largest diameter of said band, an annular sleeve slidably mounted within said opening and having a spherically shaped counterbore concentric therewith in its front end and being adapted to embrace the rear outer surface of said band but leaving a relatively narrow strip exposed on the rear edge thereof, said annular sleeve having a length whereby when the housing is secured to its support the rear end of the sleeve will be contacted by the support and held into said housing to thereby cause said band to be snugly embraced by said spherical shaped counterbores.

2,258,041
REINFORCING MEANS FOR RADIATOR TUBES
Fred M. Young, Racine, Wis.
Application December 7, 1938, Serial No. 244,367
1 Claim. (Cl. 257—125)



A device of the class described, comprising a tube and a tube plate through which the end of said tube extends, said tube being flattened in cross section, its narrow edges being formed in half circles, reinforcing members formed integrally from a single rod being bent into spaced loops having a connecting member, the outer half of said loops adapted to lie within said half circles and being bent outwardly at their ends to thereby form stops adapted to rest on the end of said tube and determine the position of said connecting member relative to the tube end, said loops adapted to extend into said tube a distance past said tube plate, and said tube plate, tube ends and loops being intimately bonded together.

2,258,042
HEATING SYSTEM
Kemper P. Brace, South Bend, Ind., assignor to International Engineering Corporation, Chicago, Ill., a corporation of Illinois
Application January 14, 1938, Serial No. 184,971
8 Claims. (Cl. 200—140)

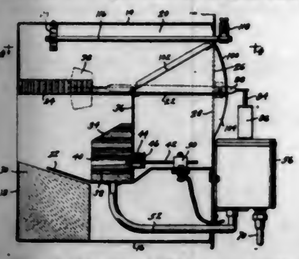


1. A device for controlling circuits such as the igniter and motor circuits of a burner comprising a member having formed therein a U-passage having a central portion of capillary size such that it will not pass mercury except under substantial pressure and having enlarged upwardly-extending end portions one of which opens to atmosphere and which are closed by porous parts which will pass air but not mercury, a sealed air bulb opening into the other of said enlarged portions, a pair of circuit contacts in each of said enlarged portions and a globule of mercury normally positioned in one or the other of said enlarged portions and shifted back and forth through said capillary portion in response to variations in pressure in said bulb.

2,258,043
LIQUID-FUEL BURNER
Kemper P. Brace, South Bend, Ind.
Application June 9, 1939, Serial No. 278,245
11 Claims. (Cl. 158—91)

1. A burner comprising a fuel pan, a porous

refractory member formed with air passages therethrough and having its lower portion extending into said pan, means for supplying fuel to a predetermined level in said pan, a damper movable to one position in which it prevents the passage of air through said passages and permits



air to be diverted around the porous member and to another position in which it opens said passages, and means for turning on the fuel supplying means and moving said damper to said other position and for turning off the fuel supplying means and moving said damper to its said one position.

2,258,044

MOUNTING BRACKET FOR LAVATORIES OR THE LIKE

Robert M. Chesney, Alliance, Ohio, assignor to The Alliance Porcelain Products Company, Alliance, Ohio, a corporation of Ohio

Application February 8, 1939, Serial No. 255,265
2 Claims. (Cl. 4—170)



1. A supporting bracket for a lavatory or the like having a substantial width and having a back adapted to be disposed against a wall, said bracket comprising a generally flat, elongated plate adapted to be secured flatwise against the wall in a horizontal position, the upper edge of said plate being bent outwardly from the general plane of the plate, then inwardly thereof, and being thereby adapted to engage interiorly a flange depending from said back and providing a resilient anchorage therefor.

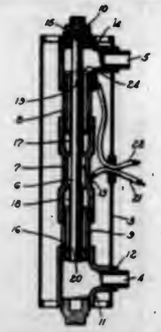
2,258,045

ELECTRODE STRUCTURE FOR CONDUCTIVITY TESTING

Soren L. Christie, Los Angeles, Calif.

Original application March 2, 1938, Serial No. 193,484. Divided and this application July 5, 1940, Serial No. 344,118
3 Claims. (Cl. 175—183)

1. A conductivity testing device for fluids, including in combination: means defining a substantially unobstructed annular zone containing the fluid to be tested, said means comprising inner and outer electrodes having conducting surfaces spaced from each other and bridged by said fluid, said surfaces being in contact with the fluid to be tested; a support for the outer electrode comprising a tubular insulating means extending longitudinally beyond said annular zone and defining a fluid passageway in communication with said zone; and spacer means for spacing said inner and outer electrodes from each other, said spacer means being arranged in non-sealing relationship to said passageway and



being disposed a substantial distance longitudinally beyond said annular zone so as to be removed from the main current-carrying region.

2,258,046

SKI

Joseph N. O. Clement, Three Rivers, Quebec, Canada, assignor to Clement Manufacture Enregistree, Three Rivers, Province of Quebec, Canada

Application May 24, 1940, Serial No. 337,027
3 Claims. (Cl. 280—11.13)



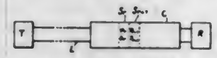
1. In a ski, a flexible and resilient body runner, a reinforcing section mounted on the said runner and having slidable connection therewith, a leaf-spring mounted between the top section and the runner, and cam mechanism operable to adjust the leaf-spring for selectively varying the flexibility of the ski.

2,258,047

WAVE TRANSMISSION SYSTEM

John Collard, Hammersmith, London, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain

Application March 6, 1940, Serial No. 322,453
In Great Britain March 17, 1939
15 Claims. (Cl. 178—44)



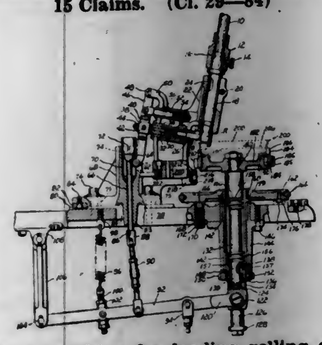
1. A wave transmission system including a transmission path along which oscillations extending over a range of frequencies are caused to travel and are distorted, and a compensating path for substantially equalising said distortion, said compensating path comprising a plurality of equalizer sections, at least some of said sections having characteristics expressible as a function of the ratio of reference frequency to transmitted frequency, said sections thus represented being substantially different from each other and varying from one to the other in an arbitrary but substantially finely graded manner depending upon the reference frequencies of said sections, said reference frequencies being different and chosen so as to substantially reduce or compensate said distortion.

2,258,048

SEPARATOR LOADING MACHINE

Raymond H. Cramer, Newark, N. J., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application October 15, 1936, Serial No. 105,751
15 Claims. (Cl. 29—84)



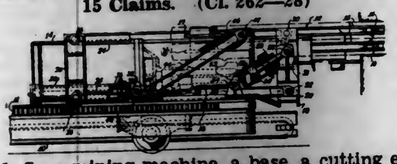
1. In a machine for loading rolling elements into separator openings, a turning and axially shiftable support for the separator, supply mechanism having an outlet, the axis of turning of the separator support being fixed at a predetermined distance from the outlet and the outlet lying at an acute angle to said axis to deliver rolling elements to the separator openings with a component of movement radially of the separator, means for turning the support around an axis to bring the separator openings successively to the outlet, and means for axially shifting the support to provide for insertion or removal of the separator; substantially as described.

2,258,049

KERF-CUTTING MACHINE

Edward J. Doberstein, Blue Island, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application February 23, 1940, Serial No. 320,238
15 Claims. (Cl. 262—28)



1. In a mining machine, a base, a cutting element, and means for mounting said cutting element on said base for vertical adjustment and tilting movement with respect thereto including a pair of parallel links connected between said base and cutting element, means for tilting said parallel links as a unit for tilting said cutting element, extensible means mounted on said base for extensible movement therealong, and a connection between said extensible means and said cutting element for elevating or lowering said cutting element upon movement of said extensible means along said base.

2,258,050

BLOWER WHEEL CONSTRUCTION

Addison W. Evans, Torrington, Conn., assignor to The Torrington Manufacturing Co., Torrington, Conn., a corporation of Connecticut

Application September 13, 1939, Serial No. 294,625
5 Claims. (Cl. 230—134)

1. A centrifugal blower wheel including a pair of one-piece annular end members, a one-piece cylindrical body provided with parallel blades and disposed substantially between the end members, a flange member at each side margin of the body bent from the plane thereof so as to lie in close parallel adjacence to the annular end members,



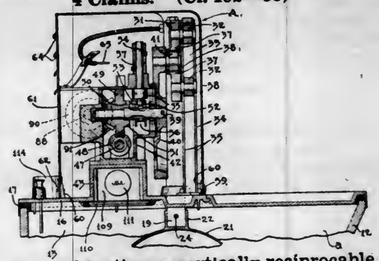
means by which the body flanges and end members are metallically united at evenly angularly spaced zones near the periphery of the wheel, and means constituted by cut-away portions of the periphery of one of the mating members for defining and fixing said zones of metallic union.

2,258,051

WASHING MACHINE

Michael Phillip Gaultier, St. Paul, and Merrill Laffayette Alexander, Minneapolis, Minn.

Application October 26, 1938, Serial No. 237,036
4 Claims. (Cl. 192—33)



4. In combination, a vertically reciprocable element, a drive shaft, a crank shaft having a crank wheel thereon connected with said element and revoluble in one direction to reciprocate the same, a clutch interposed between said crank shaft and drive shaft, said clutch including co-acting members, one thereof being movable relative to the other, a rock shaft connected with said movable cluch member and rockable to shift the same reversely to engage and disengage said clutch, a lever on the rock shaft for turning the same forth and back, a lug on said lever, said crank wheel having a concentric abutment at one face thereof and a recess interrupting said abutment, the leading end wall of said recess providing a stop shoulder, said lug being adapted to be received in said recess when in registry therewith, otherwise to bear slidably against said abutment until such registry is attained upon the throw of said lever to disengage said clutch, the reception of said lug by said recess allowing completion of the clutch disengaging throw of said lever, said recess being so located in the crank wheel as to permit clutch disengagement substantially at the completion of the upward thrust of said element, said stop shoulder being adapted to engage said lug to prevent counter rotation of the crank wheel.

2,258,052

SPIRAL GUIDE AND TUBING HOLDER

Jesse E. Hall, Los Angeles, Calif.

Application January 15, 1940, Serial No. 313,843
5 Claims. (Cl. 166—18)

1. A cleaner, guide and reinforcing holder for a well tube or pipe element, having, in combina-

tion, upper and lower bands one of which is rigidly fixed to the said element, limited expansion bowed spring blades all with upper and lower ends rigidly attached to and spacing the bands for



holding the element in centered position in a well bore, and one of the bands movable axially on the element as to the fixed band, and means engaging the movable band to limit the expansion of the mounted blades.

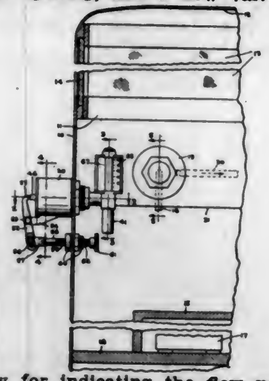
2,258,053
AXLE FOR TOY VEHICLES
Robert E. Harris, Ontario, Calif.
Application January 3, 1938, Serial No. 183,035
3 Claims. (Cl. 46—221)



1. In a wheeled toy, a portion formed of elastic material with a bore therein adapted to receive an axle, and an axle therein comprising members adapted for interengagement in one position only, the members having their engaging ends scarfed to become interlocked when held against lateral movement and being movable into engaged relationship by reason of the elasticity of said material and being thereby held in such engaged relationship within said opening.

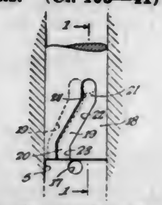
2,258,054
HIGH ALTITUDE CHAMBER
Jay A. Heidbrink, Minneapolis, Minn., assignor, by mesne assignments, to Air Reduction Company, Incorporated, a corporation of New York
Application March 14, 1938, Serial No. 195,790
1 Claim. (Cl. 128—204)

In combination with a sealed compartment and means for moving it to different and varying elevations, means for moving outside air into the sealed compartment under pressure, means acted upon by the inlet air and by the pressure within the compartment to maintain the air within the compartment at a fixed pressure, an air outlet passageway leading from the compartment, a valve for controlling the opening through said passageway, an aneroid subject to air pressure outside the compartment for regulating said valve opening, manually operative means acting through said aneroid for additionally regulating said outlet opening, and a flow valve in said



passageway for indicating the flow volume of air so controlled escaping from the compartment.

2,258,055
FUEL PUMP
John H. Holloway, Green Bay, and Moyes J. Murphy, Milwaukee, Wis., assignors to Murphy Diesel Company, a corporation of Delaware
Application April 29, 1938, Serial No. 204,974
3 Claims. (Cl. 103—41)



2. In a fuel pump, the combination of a barrel provided with an inlet and relief port, a plunger working in said barrel and adapted to overrun said port, said plunger having a cut off groove having straight end portions parallel to its axis and a helically inclined portion between said end portions, one of said end portions being communicable with the barrel ahead of the plunger, the circumferential displacement of said straight end portions relative to each other being such that the distance between the trailing edge of one of said end portions and the projected leading edge of the other of said end portions is less than the width of the port.

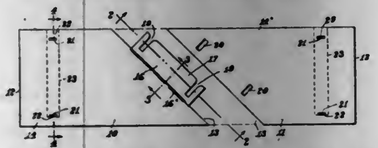
2,258,056
GAUGE FOR LAWN MOWER SHARPENING DEVICES
John C. Hornung, Glencoe, Ill.
Application August 14, 1940, Serial No. 352,579
3 Claims. (Cl. 33—181)



1. Gauge means for cooperating to position an elongated guide at a given location on a lawn mower in parallelism with the shearing edge of the shearing plate of the mower comprising a

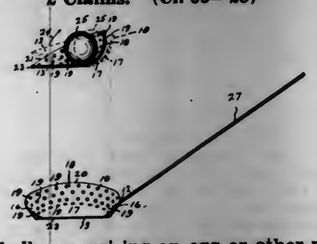
gauge member having a saddle formation adapted to receive and support said guide, a shoulder formation on the member adapted to engage the shearing edge of the shearing plate to position said member thereon, and clamping means loosely mounted on the member for clamping the member onto the shearing plate.

2,258,057
SHELF
Chester W. Johnson, Hanson, Mass., assignor to Walter E. Lombard, Arlington, Mass.
Application November 8, 1938, Serial No. 239,489
11 Claims. (Cl. 211—90)



1. A sectional shelf centrally divided at an angle of 45 degrees into two parts both formed rectangular in cross section of sheet metal, one part having integral therewith at its angular end an extension provided with a plurality of parallel slots, and the other part being open and provided with inwardly projecting ears integral therewith adapted for insertion into certain of said slots when the two parts of the shelf are telescoped together.

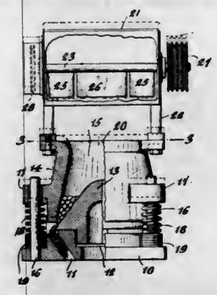
2,258,058
LADLE
Lena M. Johnson, Sioux City, Iowa
Application September 27, 1939, Serial No. 296,727
2 Claims. (Cl. 65—28)



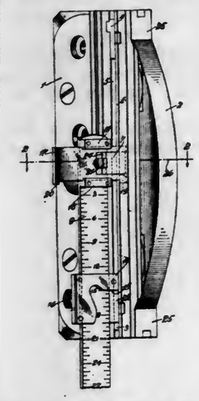
1. A ladle comprising an egg or other product with said flat portion for receiving an egg after receiving member, said receiving member including a horizontal flat member for rolling said egg thereon, a handle attached to said receiving member and laterally therefrom allowing remote manipulation therefrom, said receiving member including an arcuate portion merging tilting of the receiving member, a rear wall merging with said arcuate portion, said rear wall and said arcuate portion having a plurality of openings to cause drainage of liquid therethrough, further side walls merging from said arcuate portion and said rear wall and extending forwardly to the forward edges of said flat portion.

2,258,059
STONE CRUSHER
Lee H. Kessler, Springville, N. Y.
Application December 17, 1937, Serial No. 180,419
4 Claims. (Cl. 83—53)

1. A machine of the character described, comprising a fixed, substantially conical jaw member, a sleeve-like jaw member disposed over and in coaxial relation with said conical jaw member and having a tapered impact surface forming a substantially V-shaped crushing throat with said conical jaw member, and rotatable means including weights thereon for imparting by centrifugal force a reciprocatory movement to said sleeve-like jaw member in the direction of its axis toward and from the fixed jaw member, said means being directly mounted on said sleeve-like jaw member to revolve about an axis substantially at right angles to the related axis of the jaw members.

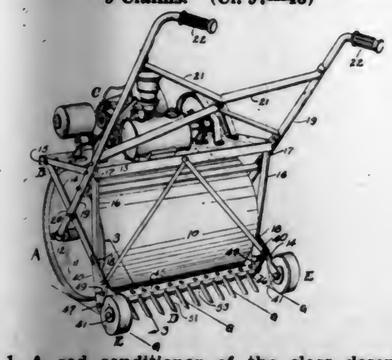


2,258,060
DEVICE FOR INSERTING LINERS IN TYPE-CASTING MOLDS
Charles A. Klise, St. Louis, Mo.
Application August 3, 1939, Serial No. 288,117
2 Claims. (Cl. 29—84)



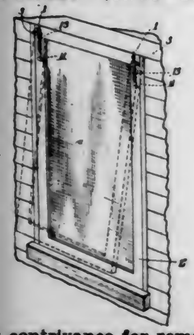
1. A device for positioning a liner in a type casting mold including a longitudinal support, a locating finger on the support for insertion in the cavity of the mold and for engagement against an end wall thereof, a guide on the support, a laterally reciprocating carrier sliding in the guide having a recess to receive the liner and adapted to push the liner into the mold cavity, either the finger or the guide being movable longitudinally along the support with reference to the other whereby the liner may be inserted in the mold cavity a predetermined distance from said end wall, positioning means on the support for engaging the face of the mold, and a stop on the carrier even with the rear wall of the recess for engaging the face of the mold to limit the depth of the insertion of the carrier.

2,258,061
ROLLER AND SOD CONDITIONER
William F. Krenzke, Racine, Wis., assignor to Jacobsen Manufacturing Company, Racine, Wis., a company of Wisconsin
Application February 7, 1940, Serial No. 317,620
9 Claims. (Cl. 97—48)



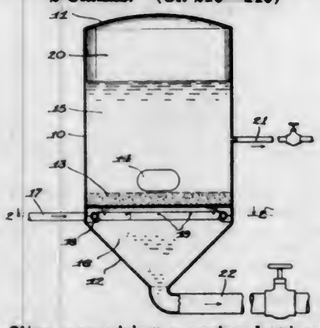
1. A sod conditioner of the class described, comprising a tractor having a frame with forward carrying and driving means and rear supporting means, a sod slicer mounted on said frame and being positioned in rear of said driving means, said sod slicer comprising a bar having mounted thereon a number of spaced blades the lower rear edges of which are sharpened and being positioned at a rearward declining angle, said bar being hingedly mounted at its ends and having means whereby the cutting angle of said blades may be increased or decreased.

2,258,062
SPRING SASH HANGER
August A. Larson, Sterling, Ill., assignor to Chas. O. Larson Co., Sterling, Ill., a corporation of Illinois
Application January 17, 1940, Serial No. 314,218
10 Claims. (Cl. 16—171)



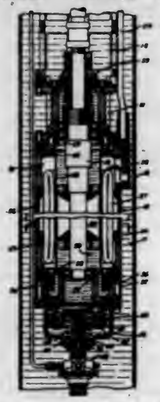
1. A spring contrivance for removably holding a sash in place in a window, comprising a securing means depending from the top of the window opening, a clip formed with an open side to receive an elongated laterally resilient, longitudinally extensible spring laterally, fastening means to secure the closed side of the clip to the sash, said spring being engageable at its upper end with said securing means, before the spring engages said clip, and a device for separably securing the lower end of the spring to the sash, after the lateral entrance of said spring into said clip, when securing the sash in place, said clip being formed to hold the spring against accidental disengagement therefrom and thereby engaging the spring to hold the top of the sash against outward displacement, but the spring being laterally removable from said clip before the upper end of the spring is detached from said securing means, when removing the sash from the window.

2,258,063
WATER FILTER
George J. Meyer, Milwaukee, Wis.
Application May 4, 1939, Serial No. 271,652
2 Claims. (Cl. 210—140)



1. A filter comprising a casing having an upflow filter body therein and having a sediment chamber below said body, said casing being provided with an outlet for filtered water and inlet means for admitting water under pressure to said chamber and including a distributing pipe extending around the upper portion of said chamber, said pipe having a series of jet openings spaced therealong and each extending forwardly in a generally tangential direction with respect to the periphery of the chamber, whereby the water jets issuing from the openings will induce a swirling motion of the water in said chamber to scour the bottom of said filter body.

2,258,064
SEALED ELECTRIC MOTOR
Thomas G. Myers, Los Angeles, Calif., assignor to U. S. Electrical Motors, Inc., Los Angeles, Calif., a corporation of California
Application May 27, 1938, Serial No. 210,407
15 Claims. (Cl. 172—36)



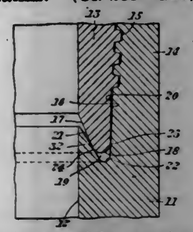
1. In an electric motor adapted to be submerged in well liquid and having a stator and a rotor, a wall interposed between the stator and rotor and sealing the stator, sealing means for the space in which the rotor is accommodated, said means being capable of withstanding the pressure of the well liquid and a neutral liquid filling for the rotor space.

2,258,065
HINGE STRUCTURE
Stephen De Orlow, Detroit, Mich.
Application November 22, 1937, Serial No. 175,767
3 Claims. (Cl. 16—163)



2. A hinge and prop structure for pivotally supporting a hinged part from a fixed part, comprising means constituting a carriage for defining the bodily movement of said hinged part, a stop for limiting the movement of said carriage in one direction, one element of said means including an extensible and collapsible prop, and resilient means associated with said prop for extending the same for urging said carriage against said stop.

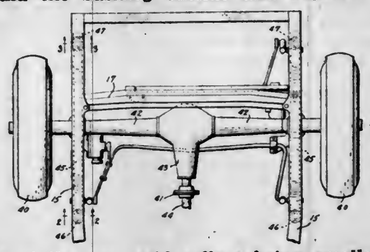
2,258,066
PIPE JOINT
Erling Oyen, Youngstown, Ohio, assignor to The Youngstown Sheet and Tube Company, Youngstown, Ohio, a corporation of Ohio
Application March 11, 1940, Serial No. 323,294
3 Claims. (Cl. 285—146)



1. A pipe joint comprising a pin member and a mating box member, said members having external and internal threaded surfaces, respectively, said box member having a groove at the inner end of its threaded surface, the walls of the groove converging inwardly of the box member, the extremity of said pin member being shaped to enter said groove and wedgingly engaging both of said walls when the joint is made up.

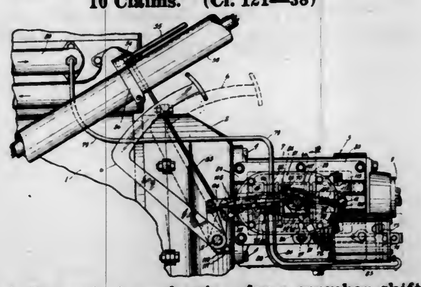
2,258,067
MOTOR VEHICLE
Clyde R. Paton, Birmingham, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Original application May 7, 1938, Serial No. 206,646. Divided and this application September 22, 1939, Serial No. 296,106
3 Claims. (Cl. 267—54)

1. A mounting for a vehicle leaf spring eye comprising a spindle extending through the eye, supporting means for the ends of the spindle carried by the vehicle, a rubber bushing surrounding the portion of said spindle between the supporting means, said bushing being normally of smaller diameter throughout its length than the interior diameter of said eye, circular collars anchored around the bushing outside and adjacent the



ends of the eye, said collars being smaller in diameter than the interior of the spring eye, and means for applying axial pressure upon the ends of the bushing to radially expand the portion of the bushing between the collars into frictional contact with the eye and the spindle, said collars preventing radial flow of the bushing at the ends of the spring eye.

2,258,068
CONTROL MECHANISM FOR CHANGE SPEED GEARING
Glenn T. Randol, Jonesboro, Ark., assignor, by mesne assignments, to William M. Liddon, Nashville, Tenn.
Application April 6, 1939, Serial No. 266,348
10 Claims. (Cl. 121—38)

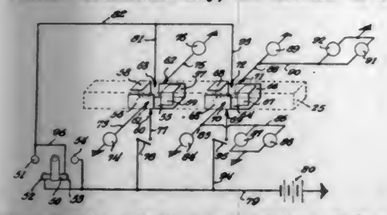


4. In control mechanism for a member shiftable in opposite directions to two different positions, means for moving said member, a fluid motor connected to the moving means, a double arm pivoted lever connected to the moving means and oscillated by the power-operated member, a control valve for the fluid motor, a manually operable member connected to operate the control valve, and means controlled by the position of the lever for connecting the manually operable member to either one or the other arm of the lever whereby manual force may be applied to the lever to move the shiftable member in the desired direction.

2,258,069
VEHICLE SIGNAL
Palmer W. Rom, Cudahy, Wis.
Application November 25, 1938, Serial No. 242,391
1 Claim. (Cl. 177—337)

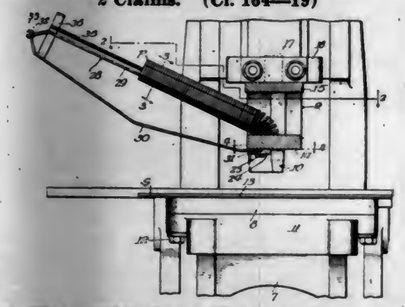
In a vehicle signalling system, the combination of one set of lights at the front of the vehicle

and at each side thereof, and two sets of lights at the rear of the vehicle, one light of each last mentioned set being at each side thereof and one set of said last named lights being stop lights, a source of current for said lights, a directional switch having three selectable parallel circuit connections with said source of current, one of said parallel circuit connections including a control switch normally controlling the flow of current from said source to both lights at the front of the vehicle and one set of lights at the rear of the vehicle simultaneously, the second of said



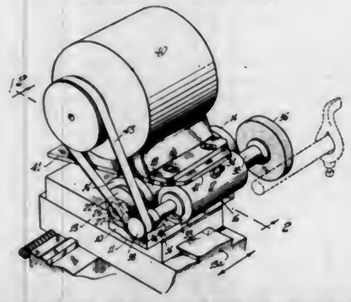
parallel circuits including a stop light switch normally controlling the flow of current from said source to both of said stop lights simultaneously, the third of said parallel circuits including a flasher switch connecting said source of current with said directional switch and selectively connectable thereby to the lights on either side of the vehicle to indicate a turn by intermittently energizing the lights so connected while the lights on the other side of the vehicle are constantly lighted if said control switch and stop light switch are "on."

2,258,070
PUNCH PRESS
William S. Sawle, Kenilworth, Ill.
Application January 2, 1940, Serial No. 311,975
2 Claims. (Cl. 164—19)



1. The combination with a punch press comprising a platen adapted to have sheet stock fed intermittently thereacross, a box-like die holder mounted over, and to move to and from, the platen and having a bottom wall and an open side, and an arcuate hollow die on the under side of said bottom wall of the holder adapted and shaped to cut from the stock arcuate articles with pairs of notches in the outer margins thereof in response to successive movements of the holder toward the platen and intermittent feed of the stock and having the interior thereof in communication with the holder interior by way of a correspondingly shaped arcuate slot in said bottom wall so that the cut articles may pass from the die interior into the holder interior, of a pair of inclined parallel laterally spaced track-forming rods disposed adjacent, and extending through, said open side of the holder, having the lower ends thereof bent downwards and secured to the portion of the holder bottom wall that defines the outer curved portion of the slot, and adapted to have the articles emerging from said slot travel therealong with the notches in seated relation therewith, and a strip type deflector disposed in the holder between the lower ends of the rods but on the other or inner side of the slot, curved in the direction of the lower ends of the rods, and shaped and arranged so that it engages the central portions of the inner margins of the cut articles emerging from the slot, and operates to cause such articles first to travel around and at right angles to the bent lower ends of the rods and then along the rods at right angles thereto.

2,258,071
LATHE GRINDING ATTACHMENT
Burl E. Sherrill, Peru, Ind.
Application September 29, 1939, Serial No. 297,079
7 Claims. (Cl. 51—259)

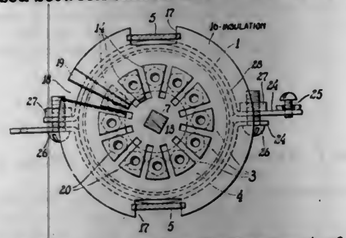


1. A grinding tool comprising, in combination, a mounting plate with opposite trunnion posts, a swivel member including parallel bores, the opposite ends of one of said bores arranged in said trunnion posts to mount said member for rocking movement between said posts, a grinder spindle journaled in the other bore, a motor platform mounted on said member, a motor on said platform with a drive shaft parallel with said spindle, means drivingly connecting said drive shaft and spindle, and means arranged coaxially with the first mentioned bore and coacting with the ends of said bore to secure the swivel member in positions of rocking adjustment.

2,258,072
SWITCHING APPARATUS FOR ELECTRIC CIRCUITS
Carroll Stansbury, Wauwatosa, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application December 24, 1938, Serial No. 247,725
9 Claims. (Cl. 200—11)

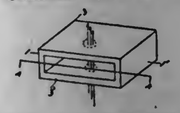
1. In a switching apparatus for electric circuits, in combination, a multiplicity of stationary contact elements arranged symmetrically in the form of a substantially complete circle and having the contact surfaces thereof located in a common plane, a rotatable shaft located centrally of said circle, a contact member comprising a substantially circular disc biased toward said contact surfaces and tending to complete circuit therewith respectively, an insulating disc positioned substantially parallel with the plane of said contact surfaces, said insulating disc being adapted to be interposed between certain of said contact

surfaces and a variable portion of said contact member upon rotary displacement of said insulating disc and said contact member relatively to each other in one direction, to interrupt circuit between said contact member and the respective contact surfaces, said variable portion of said contact member being also adapted to be interposed between said contact surfaces and said



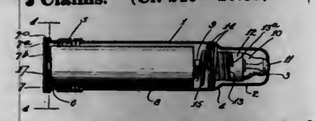
insulating disc upon rotary displacement of said insulating disc and said contact member relatively to each other in the reverse direction to complete circuit between the latter and the respective contact surfaces, and said shaft being adapted to effect such rotary displacement of said insulating disc and said contact member relatively to each other in each direction.

2,258,073
DISPOSABLE COLORIMETER CELL
Daniel S. Stevens, Chicago, Ill.
Application January 12, 1939, Serial No. 250,627
2 Claims. (Cl. 88—14)



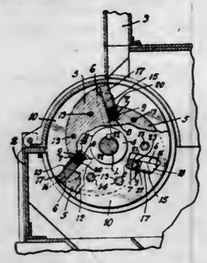
1. A new article of manufacture, comprising a disposable cell for use with colorimeters, having two parallel walls of transparent, non-vitreous, non-fragile molded material, held permanently in place and spaced at a fixed distance by a spacer member, said spacer member forming three sides of the cell, and of such thickness as to provide an opening between the transparent walls that permits retention of a liquid within the cell by capillary attraction, one side of the cell being open to permit of filling.

2,258,074
FLASHLIGHT
Nels H. Swanson, Chicago, Ill.
Application June 12, 1939, Serial No. 278,690
5 Claims. (Cl. 240—10.68)



4. In an electric flashlight which includes a tubular casing, a lamp bulb in the casing having a center contact, a battery in the casing having a center contact member disposed opposite the center contact of the lamp, and spring means normally holding said center contacts apart, a closely coiled spiral of spring wire substantially closing the end of the casing, with means supporting said spiral in said casing, the inner coils being yieldingly depressible in axial direction and independently of the coil-supporting means by external pressure applied to said inner coils of the spiral for shifting the battery longitudinally in the casing to engage said center contacts.

2,258,075
HOLDING MEANS FOR IMPACT PLATES
Edgar B. Symons, Hollywood, Calif., assignor to Nordberg Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application February 17, 1939, Serial No. 256,912
7 Claims. (Cl. 83—46)



1. In combination, in an impact crusher, a rotor and means for rotating it, said rotor including a pair of spaced end members having closed ended apertures, an impact plate mounted on said rotor and outwardly extending lugs at each end thereof, said lugs penetrating said apertures, and being of smaller size than said apertures, and means for locking said lugs against the outer ends of said apertures, said aperture ends and lugs having opposed wedging faces.

2,258,076
BOTTLE HOLDER
James Y. Taylor and Carl C. Taylor, Brownwood, Tex.
Application August 26, 1939, Serial No. 292,023
4 Claims. (Cl. 248—104)

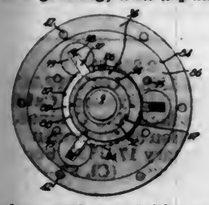


4. A bottle holder including, a clamp adapted to be detachably fastened to a support, an elongate flexible element having one end secured to said clamp, a bottle holding member secured to the opposite end of the element, the member comprising a pair of hinged spring-pressed sections which have their outer ends adapted to receive and hold a bottle therebetween, each section having a plurality of openings therein, and a grommet of deformable material inserted in each opening and presenting an amplified gripping surface to the bottle, whereby the gripping action of the sections is increased.

2,258,077
OILING SYSTEM FOR GEARING
Robert S. Taylor, Seattle, Wash.
Application July 28, 1937, Serial No. 156,121
20 Claims. (Cl. 184—6)

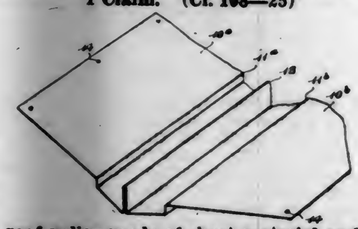
1. A gearing comprising relatively rotatable parts, an oil pump for the gearing and compris-

ing a pumping chamber rotatably connected with one part of the gearing, and a pumping element



in the chamber and rotatably connected with another part of the gearing.

2,258,078
ROOF VALLEY
James D. Tennison, Memphis, Tenn.
Application January 22, 1940, Serial No. 315,114
1 Claim. (Cl. 108—25)



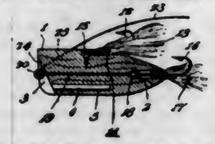
A roof valley made of sheet material and comprising an upwardly projecting longitudinal partition extending from one end to the other of said valley, gutter portions on opposite sides of said partition extending at an upward inclination from the base of said partition, each gutter portion terminating in an upright wall on each side of said partition, each wall being spaced at a similar distance from said partition, said walls forming with said partition parallel flow channels, and opposed substantially flat side wings extending laterally and inclined upwardly from said walls and adapted to underlie the roofing material in substantially parallel relationship thereto, said walls being adapted to be positioned so that they will be between the opposed lowermost edges of the roofing material and said partition, whereby said walls and said partition may coact to isolate drainage of water in said valley and prevent seepage under the roofing material.

2,258,079
BATTERY TERMINAL CLAMP
George V. Thomas, Erie, Pa.
Application March 25, 1940, Serial No. 325,741
2 Claims. (Cl. 173—259)



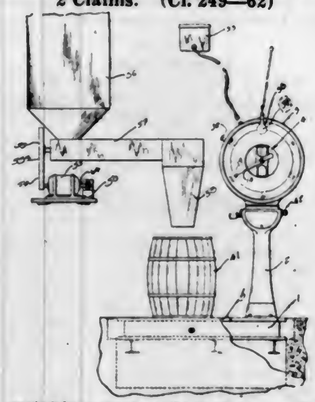
1. In a battery terminal connector, in combination, a die-cast clamp comprising a lead alloy body portion having an aperture for receiving a battery terminal post, a longitudinally extending threaded aperture, and a battery cable receiving aperture, a reinforcing member cast in and entirely covered by said lead alloy body portion of circular configuration having the ends thereof flanged outwardly in parallel relationship and inwardly towards each other, an internally threaded hard metal member disposed internally of said reinforcing member adjacent said inturned flanged ends having a threaded aperture in alignment with the threaded aperture in said body portion, a screw bolt engaging said threaded portions of said hard metal member and said body portion for clamping said connector to a battery terminal post, and a semicircular shaped member freely mounted on the inner end of said screw bolt to engage a battery terminal post, the threaded aperture in said body portion and in said hard metal member covering substantially the entire threaded portion of said screw bolt.

2,258,080
ARTIFICIAL BAIT
Frank P. Thomas, Hoquiam, and Frank B. Jennings, Olympia, Wash.
Application April 26, 1940, Serial No. 331,856
5 Claims. (Cl. 43—46)



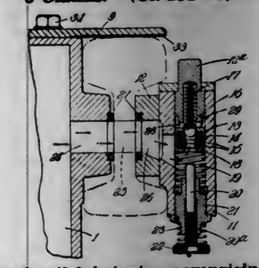
1. An artificial bait comprising a buoyant body tapered toward its rear end and formed with an axially extending pocket leading from its rear end, a hook at the rear of said body having a shank extending into said pocket and formed with an eye at its front end, a metal strand extending longitudinally through the body axially thereof with its rear end formed with an eye engaged with the eye of said hook and its front end protruding from the body and formed with an eye bearing against the front end of the body to hold the strand in place and provide line engaging means, and metal rods extending longitudinally in the forward portion of the body adjacent the bottom thereof and spaced from each other transversely of the body and constituting ballast for the body.

2,258,081
WEIGHING SCALE
Mark A. Weckerly, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application April 3, 1930, Serial No. 441,385
2 Claims. (Cl. 249—62)



1. A weighing scale adapted to control auxiliary mechanisms, said scale comprising, in combination, a load receiver, load counterbalancing and indicating mechanisms, means connecting said load receiver to said load counterbalancing and indicating mechanisms, controlling mechanism adapted to be actuated by the weight of a load on said load receiver, said indicating and controlling mechanisms each including an indicia bearing chart and an indicator adapted to co-operate therewith, and means connecting said indicators for simultaneous movement, the indicator co-operating with the chart of said controlling mechanism being adapted to be manually set to an indicium on said chart representing the desired weight of a load to be deposited on said load receiver.

2,258,082
RAIL LUBRICATING APPARATUS
Lewis Phillips Winby, Westminster, London, and Guy Clement Hurrell, Eltham, London, England
Application June 24, 1940, Serial No. 342,186
In Great Britain June 24, 1939
3 Claims. (Cl. 184—3)



1. A guard rail lubricator comprising a plunger type grease distributor pump, the plunger of which is engaged and actuated by the wheel flanges, a grease container in operative connection with said pump to permit of the supply of grease thereto, means in said grease container for supplying said pump with grease under a constant pressure, means for securing said pump and grease container to the web of said guard rail on opposite sides thereof, and a grease distributor plate attached to said grease container in a position in which it overhangs said guard rail but permits of grease supplied by said pump to pass between said distributor plate and the head of said guard rail into a position in which it will be distributed over the side of the guard rail head engaged by the wheel flanges.

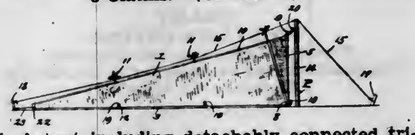
2,258,083
INSTRUMENT FOR EXAMINING BODY CAVITIES
Georg Wolf, deceased, late of Berlin, Germany, by Elisabeth Wolf, Berlin-Hessenwinkel, Richard Wolf, Berlin, Georg Wolf, Berlin-Hessenwinkel, and Margarete Ladwig, née Wolf, Berlin-Alexanderhof, Germany, as heirs, assignors to the firm of Georg Wolf G. m. b. H., Berlin, Germany
Application June 2, 1939, Serial No. 277,120
In Germany June 10, 1938
3 Claims. (Cl. 128—3)

1. In an instrument for viewing body cavities, especially the stomach, a guide tube, a periscope tube displaceable and rotatable in said guide tube, a mirror disposed on the forward end of said periscope tube, said mirror and the axis of said periscope tube including an angle of approximately 45°, said mirror permitting a view at approximately right angles to the axis of said periscope tube, two mirrors disposed diametrically opposite to each other on the forward part



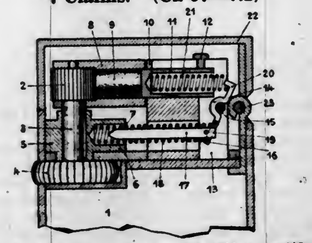
of said guide tube and permitting respectively a retrograde and a prograde vision through said periscope tube when said periscope tube assumes the respective positions.

2,258,084
TENT
Roy S. Baker, Pomona, Calif.
Application September 9, 1940, Serial No. 356,049
3 Claims. (Cl. 135—8)



1. A tent including detachably connected triangular sections, reenforcing tapes secured to and extending longitudinally of the sections, and means secured to the tapes for suspending the sections from guy ropes thereabove.

2,258,085
PRESSURE DEVICE FOR THE FLINTS OF LIGHTERS
Leon Bolle, Geneva, Switzerland, assignor to La Nationale S. A., Geneva, Switzerland, a corporation of Switzerland
Application June 14, 1939, Serial No. 279,224
In Switzerland July 9, 1938
7 Claims. (Cl. 67—7.1)

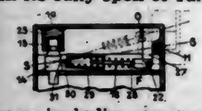


5. In a lighter, the combination with a flint wheel, a flint, a guide for the flint and a fixed spring abutment, of means for pressing the flint in the guide toward the wheel, said means comprising a set of normally compressed springs arranged in spaced parallel relation and having their inner ends engaging an abutment pivoted between its ends, said springs having their outer ends respectively abutting the flint in the guide and said fixed spring abutment.

2,258,086
PYROPHORIC LIGHTER
Leon Bolle, Geneva, Switzerland, assignor to La Nationale S. A., Geneva, Switzerland, a corporation of Switzerland
Application June 14, 1939, Serial No. 279,225
In Switzerland July 9, 1938
4 Claims. (Cl. 67—7.1)

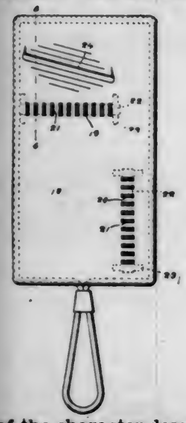
2. A pyrophoric lighter comprising a container

having a body provided with a recess at its upper end, a wick tube within the recess, a cover hinged to the body at one end of said recess and adapted to be moved into and out of closing relation to said recess, and spring means for holding said cover in its fully open or fully closed po-



sition, said means including an arm carried by the cover and projecting into the recess when the cover is closed, and a pair of spring tensioned telescopic members normally arranged parallel to the bottom of the recess of the body when the cover is closed and disposed between said wick tube and the lower end of said arm.

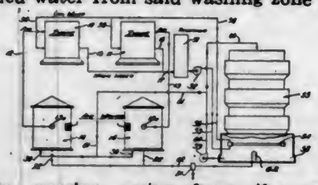
2,258,087
VEGETABLE CUTTER
Emmy L. Deiss, Los Angeles, Calif.
Application May 20, 1940, Serial No. 336,275
3 Claims. (Cl. 146—180)



1. A device of the character described comprising a single permanently flat sheet of metal having rows of spaced teeth projecting from one side thereof, the teeth of one row being at substantially right angles to the teeth of the other row, a cutting blade struck up from the sheet and disposed diagonally at one side of one row of teeth, a wire frame attached marginally to said sheet and terminating in a handle beyond one end of the sheet, and a bar having the teeth formed therewith and attached to the sheet.

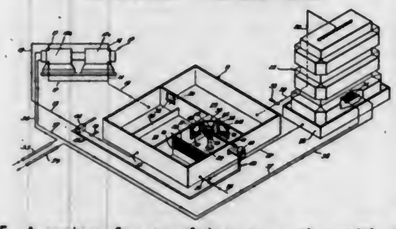
2,258,088
SYSTEM FOR CONDITIONING AIR FOR ENGINES
William E. Dunn, Kansas City, Mo., assignor to The Fluor Corporation, Ltd., Los Angeles, Calif., a corporation of California
Application June 15, 1940, Serial No. 340,723
9 Claims. (Cl. 123—174)

6. The method of conditioning air and cooling jacket water for engine operation, that includes drawing a stream of air through a washing zone to the engine by the engine suction, discharging warm jacket water from the engine into a reservoir, discharging a portion of the reservoir water into said washing zone in intimate contact with the air stream therein by spraying the water into the air stream, thereby cooling said water and washing the air, returning cooled water from said washing zone to said



reservoir, passing water from the reservoir downwardly within a cooling tower in contact with air passing therethrough, and then returning the cooled waters to the engine.

2,258,089
CONTROL SYSTEM FOR ENGINE COOLING WATER
William E. Dunn, Kansas City, Mo., assignor to The Fluor Corporation, Ltd., Los Angeles, Calif., a corporation of California
Application March 5, 1941, Serial No. 381,816
18 Claims. (Cl. 123—174)

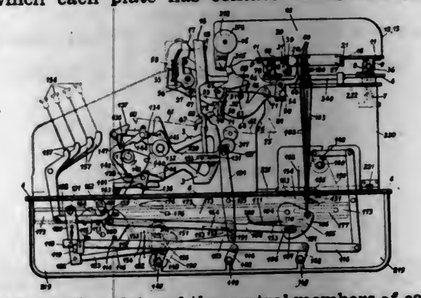


5. A system for supplying an engine with controlled temperature cooling water, comprising a reservoir receiving hot water from the engine, a well containing relatively cool tempering water, a sump into which water flows by gravity from said well, means maintaining a gravity flow of water from said reservoir into the sump, means diverting a gravity flow of water from said well into the reservoir, a pump for discharging the mixed waters from the reservoir to the engine, a valve for controlling the rate of tempering water flow from said well to the reservoir in accordance with a predetermined temperature of said mixed water stream, a water cooling tower, and means for passing water from said sump through the cooling tower and for returning the cooled water to said well.

2,258,090
BOOKKEEPING MACHINE
Heinrich Konrad Friedrich Ewald, Chemnitz, Germany, assignor to Wanderer-Werke vorm. Winklhofer & Jaenicke Akt.-Ges., Schonau-Chemnitz, Germany
Application September 3, 1935, Serial No. 39,065
In Germany September 7, 1934
6 Claims. (Cl. 235—60)

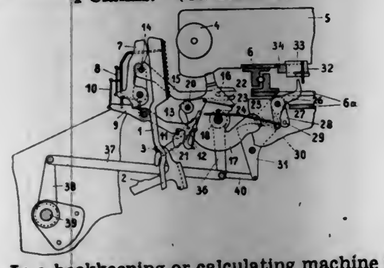
1. A bookkeeping machine comprising a machine-frame, a paper carriage slidably supported on the machine-frame in two guide tracks spaced from each other in an approximately horizontal plane, setting devices arranged in the said machine-frame in the space between the said guide tracks and controlling various functions of the machine, a plurality of bars removably mounted on the carriage in the space between the guide tracks above the setting devices, and a plurality of groups of control members cooperating with

the said setting devices, said bars being of I-shaped cross-section the flanges of which being provided with slots of a width corresponding to the thickness of the control members, and said control members consisting of flat metal plates of which each plate has contact bevels and pro-



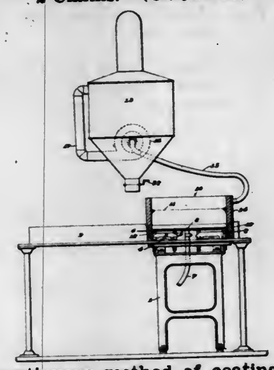
vided with a slot and the control members of each group being locked on its bar by a rod introduced immediately above the under flange of the bar through corresponding apertures of the control members and being effective in a certain column position of the paper carriage.

2,258,091
ZERO PRINTING CONTROL MECHANISM
Heinrich Konrad Friedrich Ewald, Chemnitz, Germany, assignor to Wanderer-Werke Aktiengesellschaft, Siegmar-Schönau, Germany
Original application September 3, 1935, Serial No. 39,065. Divided and this application September 23, 1940, Serial No. 357,988. In Germany September 7, 1934
4 Claims. (Cl. 101—93)



1. In a bookkeeping or calculating machine the combination of a machine frame, a paper carriage slidably arranged on the machine frame, a main drive shaft, a plurality of type-carriers, a plurality of printing-hammers for engaging the type-carriers, a plurality of springs for actuating the printing-hammers, a plurality of locking members for holding the printing-hammers in their position of rest against the action of the springs, a plurality of controllable means for releasing the printing-hammers each releasing means being controlled in dependence upon the position of its corresponding type-carrier, intermediate members actuated by the main drive shaft for actuating the releasing means, a plurality of coupling members each coupling member being pivotally connected to a locking member and coupling the same to the adjacent locking member for effecting automatic zero printing, a plurality of additional springs each of which forces one of the coupling members to its coupling position, a plurality of settable members each settable member controlling one of the coupling members for interrupting automatic zero printing against the action of the corresponding second-named spring, a device for setting simultaneously all the settable members to their position of interrupting zero printing, a member arranged on the paper carriage and having at least one projecting portion for retaining at least one settable member in its position of interrupting zero printing, a cam-like device actuated by the main drive shaft for moving the said setting device in such a manner that during the forward stroke of the cam-like device during a printing cycle certain of the settable members are released to their automatic zero printing position under control of the projecting portions of the said member and during the return stroke of the cam-like device after the printing cycle the settable members are again set to their zero printing interrupting position.

2,258,092
METHOD FOR FLOCKING
Robert E. Fogg, Cambridge, Mass.
Application November 15, 1937, Serial No. 174,560
2 Claims. (Cl. 91—68)

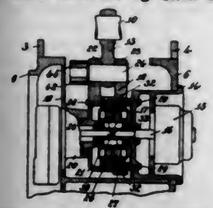


1. A continuous method of coating a flexible sheet material with flock particles which comprises applying adhesive to a surface of flexible material, passing said material continuously through a flocking zone, tensioning said material in said zone upon the upper surface of a rigid horizontally disposed plate, continuously showering flock downwardly upon the adhesive treated surface of the material on the plate and simultaneously continuously vibrating the plate rapidly vertically at a speed and to an extent sufficient to embed the flock substantially uniformly in the adhesive on said material.

2,258,093
MOLD CLOSING MECHANISM
Hans Gastrow, Zerbst, Anhalt, Germany
Application April 14, 1938, Serial No. 202,109
In Germany April 15, 1937
3 Claims. (Cl. 74—38)

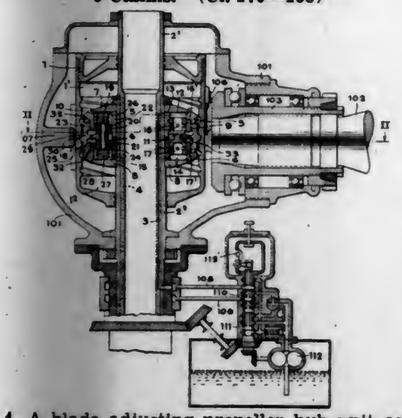
1. A mold closing mechanism for a pair of relatively movable mold sections comprising a motor, a shaft driven by said motor, two pairs of toothed wheels, means secured to said shaft whereby the toothed wheels revolve in diametrically opposite pairs about the axis of the shaft during the rotation of the latter, an internally toothed ring in mesh with one pair of wheels and rigidly mounted on said base, a second internally toothed ring with a different number of teeth mounted adjacent the first-mentioned toothed ring and in mesh with the other pair of wheels,

said rings being of equal nodule, a toggle link formed at one end as a housing accommodating and rigidly connected with said second-mentioned ring and embracing said first ring, and



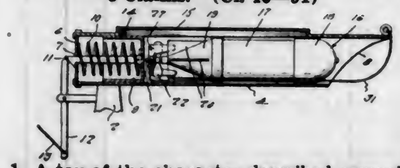
a second toggle link transmitting the movement of the second-mentioned ring and the first-mentioned toggle link to effect the opening and closing of the movable mold section.

2,258,094
VARIABLE-PITCH PROPELLER
Curt Keller, Zurich, Switzerland, assignor to Escher Wyss Maschinenfabricken Aktiengesellschaft, Zurich, Switzerland, a corporation of Switzerland
Application November 7, 1939, Serial No. 303,308
In Switzerland November 30, 1938
9 Claims. (Cl. 170—163)



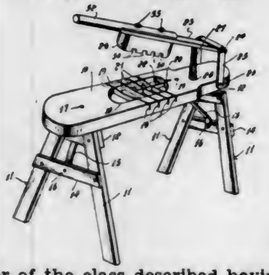
4. A blade adjusting propeller hub unit comprising in combination a rotary shaft; a blade adjusting motor inclusive of a piston and a coacting cylinder forming two working spaces respectively on opposite sides of the piston, both the cylinder and piston being coaxial with the shaft and constrained to rotate therewith and the cylinder being axially shiftable relatively to the shaft; blade adjusting means operable by the axial shifting of the cylinder; a ring swiveled on the piston and having quick pitch thread engagement with the cylinder, said ring having within the piston a concentric annular dental clutch portion; a mating annular dental clutch disc within the piston concentric with the shaft and constrained to rotate therewith, said disc being axially shiftable in opposite directions to disengaged positions from a middle engaged position; yielding means urging said disc to said engaged position; stops limiting the action of said yielding means to define said engaged position; means for developing selectively reversely acting pressure differentials in said working spaces; and fluid pressure operated means responsive to development and maintenance of said differentials for shifting said disc selectively to one or the other disengaged positions while said differentials persist.

2,258,095
AQUATIC TOY
Cornelius William Kershaw and William Andrew McMillan, Newport, R. I.
Application May 23, 1940, Serial No. 336,858
3 Claims. (Cl. 46—91)



1. A toy of the character described comprising a tube, a miniature torpedo insertable in said tube, said torpedo including a body, stabilizing fins on said body, a propeller mounted on the body and means for actuating said propeller, a locking member for the propeller engageable with the stabilizing fins, means in the tube for ejecting the torpedo therefrom, and means connecting the propeller locking means to the tube for disconnecting said locking means from the torpedo when said torpedo is launched.

2,258,096
SEED POTATO CUTTER
Edward Martin, Oconomowoc, Wis.
Application October 10, 1940, Serial No. 360,651
1 Claim. (Cl. 146—169)



A cutter of the class described having a table provided with an opening, kerfs adjacent the opening, cutter blades secured in the kerfs and crossing the opening, a U-shaped bracket rising from the table, a lever extending into and pivoted to the bracket, a block carried by the lever to press potatoes against the blades, a handle, fastenings common to the block, lever and handle, spring means between the table and lever urging the latter and block away from the blades, foldable leg means pivoted to the underside of the table, and displaceable brace means for the leg means secured to the table in downwardly diverging relation adjacent opposite ends of the opening, to reinforce the table at the zone of cutting.

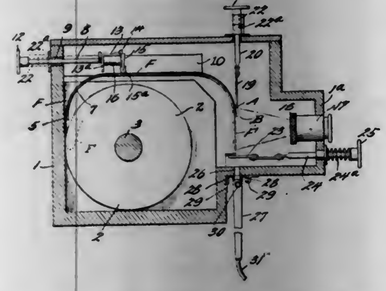
2,258,097
BORING BAR
Guido Menaquale, Camden, N. J.
Substituted for abandoned application Serial No. 122,313, January 25, 1937. This application June 13, 1940, Serial No. 340,357
6 Claims. (Cl. 77—58)

1. In a structure of the class described, a boring bar provided with a radial tool accommodation passage, a cutter tool mounted for reciprocation in said passage, manually controlled re-



siliently mounted tool adjusting and locking means on said bar, and coacting operating connection between said means and said tool for actuating and adjusting said tool.

2,258,098
CAMERA
Raymond C. Neitner, Newport, Ky.
Application April 23, 1941, Serial No. 389,983
4 Claims. (Cl. 95—34)

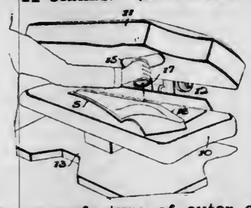


3. A camera for taking different size pictures upon the same film strip, comprising a film housing, means for supporting a roll of film within said housing, a focusing lens extending through a wall of said housing, a trackway for guiding said film strip from adjacent the film-roll supporting means to a position within the field of the lens, a presser foot for engaging said film strip, a push-rod operatively connected to said presser foot and extending exteriorly of the housing, said push-rod adapted to be manually actuated for moving said film strip along the trackway in a step-by-step manner, a shutter for covering and uncovering said lens to expose the film located within the field of the lens, a screen adjustable to different positions for intercepting and reducing the field of the lens, a rod for adjusting the position of the screen, said rod being connected to the screen and extending exteriorly of the housing, and a spacer adapted to be interchangeably associated with said screen-adjusting rod and said push-rod for determining the position of the screen and limiting the length of the feed step.

2,258,099
PROCESS OF PREPARING GELS
Walter A. Patrick, Jr., Baltimore, Md., assignor to Davison Chemical Corporation, Baltimore, Md., a corporation of Maryland
No Drawing. Application October 28, 1938, Serial No. 237,585
9 Claims. (Cl. 23—143)

1. The process of preparing aluminum oxide gels which comprises forming a solution of an aluminum salt by subjecting aluminum metal to the action of an aqueous solution of a weak organic acid capable of forming a readily hydrolyzed soluble salt of aluminum and simultaneously hydrolyzing the aluminum salt to form an aluminum oxide sol at a temperature which will preclude gelation of the aluminum sol, the acid concentration being controlled so that the solution is substantially free of electrolytes in amount sufficient to coagulate the aluminum oxide sol, and converting the sol to the gel phase by dehydration.

2,258,100
PROCESS FOR MAKING GARMENTS
Raymond H. Reiss, Deal, N. J., and Howard J. Billings, South Acton, Mass., assignors, by direct and mesne assignments, to Reiss Manufacturing Corporation, Jersey City, N. J., a corporation of Delaware
Application June 12, 1941, Serial No. 397,808
11 Claims. (Cl. 2—243)

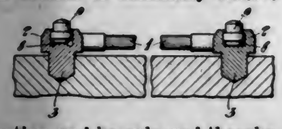


1. In the manufacture of outer garments of the coat type which comprise an outer garment-fabric and an inner stiffening fabric stitched together at spaced points but free of one another intermediate the stitching, the improved method of uniting and shaping the fabric layers of portions of such garments preliminary to final stitching, which comprises placing a pre-cut fabric layer of a portion of the garment on a form having the shape to be imparted to said portion, superimposing another pre-cut layer of said garment portion on said first-mentioned layer, positioning between said layers adhesive of a character and in an amount effective to maintain the layers united adhesively at room temperature but which will become dissipated without affecting the garment appearance when subjected to sufficient heat to cause the same to flow, simultaneously warping and adhering said two fabric layers to each other by subjecting the two layers with the interposed adhesive in non-flowing condition to pressure while permitting the adhesive to adhere the layers, then stitching the layers together, and thereafter destroying the adhesive union by subjecting the layers to heat sufficient to cause flow and dissipation of the adhesive.

2,258,101
RAIL BOND
Ernest J. Sabol, Edgewood, Pa.
Application July 11, 1940, Serial No. 344,968
2 Claims. (Cl. 287—20.3)

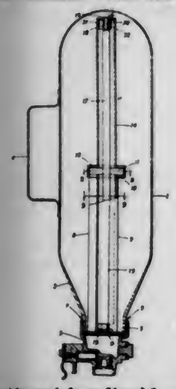
1. A rail bond terminal including the combination of a malleable metal head having a depres-

sion opening from its front and which has a bottom spaced from the back of said head to provide a supply of malleable metal between said bottom and said back, a tool working in said depression to displace a portion of said supply beyond said back and a solid malleable metal stud integrally extending from said back in alignment with said bottom to internally receive said dis-



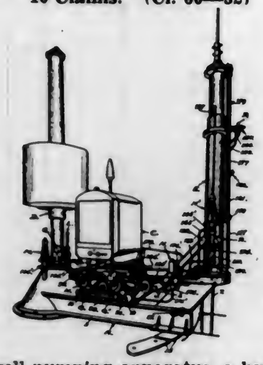
placed portion and be enlarged thereby, said stud being solid throughout after its enlargement by internally receiving said portion, and said depression having the same diameter as that of said stud and being formed with a convex bottom, the bottom of said tool being formed to initially contact the top of said convex bottom and to gradually flatten the same.

2,258,102
FIRE EXTINGUISHER
Hubert Mackenzie Salmond, Fareham, and Anders Mathisen, High Holborn, London, England, assignors to Graviner Manufacturing Company Limited, London, England
Application October 23, 1939, Serial No. 300,832
In Great Britain November 4, 1938
6 Claims. (Cl. 299—95)



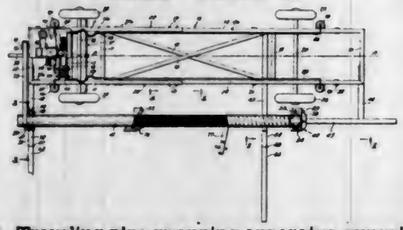
5. A fire extinguisher liquid container for storing liquid under gas pressure, particularly adapted for extinguishing fires on aircraft, comprising: a bottle, a discharge head secured in a fluid tight manner on to the mouth of said bottle, an interior closure member sealing the mouth of said bottle from said discharge head, a supply tube in said bottle extending almost throughout the length of said bottle, gravity operated closure valves having an opening area substantially equal to the effective cross-sectional area of said supply tube, said closure valves being disposed one at each end of said supply tube, a plurality of conduit pipes attached through said interior closure member at one of their ends in the spaced relation, and a supply chamber having a diameter larger than that of said supply tube, said supply chamber being connected to said supply tube intermediate said valves, the other ends of said conduit pipes being connected to said supply chamber in braced relation to hold said supply tube in said bottle in substantially rigid fashion, said discharge head having an opening commensurate in size with the effective cross-sectional area of said supply tube and with that of said conduit pipe means so that the liquid from said bottle may be rapidly released and fed to a fire.

2,258,103
WELL PUMPING APPARATUS
Frederick Edmund Scheider, Los Angeles, Calif.
Application July 9, 1938, Serial No. 218,351
10 Claims. (Cl. 60—52)



5. In well pumping apparatus, a hydraulic engine including a cylinder, a plunger therein adapted to be connected with the sucker rod of a well, a hydraulic pump unit, valve means for directing a hydraulic operating fluid to and from said cylinder, valve means responsive to said fluid for varying the velocity of the stroke of said plunger and means controlled by said plunger for controlling said valve means.

2,258,104
APPARATUS FOR WRAPPING PIPE
Almeric Walter Seymour, La Canada, Calif.
Application October 23, 1939, Serial No. 300,735
7 Claims. (Cl. 214—1)

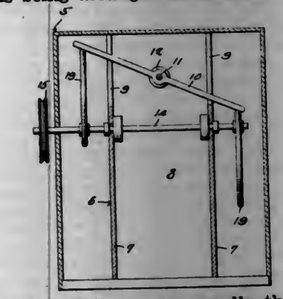


1. Traveling pipe wrapping apparatus comprising a vehicle having an elongated frame and forward and rear pairs of wheels, said frame including an elongated side rail extending longitudinally of the vehicle beyond the wheels, laterally extending members supporting said rail, rollers spaced longitudinally of the frame on said rail for rotatably supporting the outer surfaces of an elongated pipe in spaced relation to the vehicle permitting free access to the pipe for application of the wrapping, and a power source for rotating the pipe.

2,258,105
CANDY POLISHING MACHINE
Charles Silvestri, Somerville, Mass.
Application October 29, 1940, Serial No. 363,379
1 Claim. (Cl. 107—44)

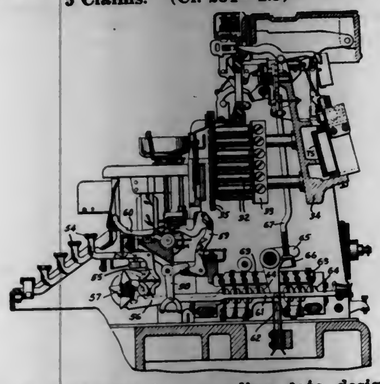
In a candy brushing and polishing machine,

a body portion, a horizontal power shaft mounted within the body portion, a brush shaft mounted within the body portion and extending at right angles to the power shaft, a rocker arm secured to one end of the brush shaft, disks eccentrically mounted on the power shaft and engaging the rocker arm at points adjacent to the ends thereof, the disks being arranged so that when the wide



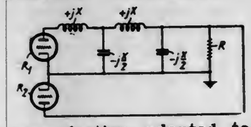
portion of one disk moves upwardly, the wide portion of the adjacent disk moves downwardly imparting an oscillating movement to the brush shaft, a brush connected with the brush shaft at a point intermediate the ends of the brush and extended horizontally therefrom and so constructed and arranged that a sweeping action is imparted to the brush as the shaft oscillates.

2,258,106
APPARATUS FOR PREPARING STATISTICAL RECORDS
James W. Bryce, Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Original application May 27, 1937, Serial No. 145,031. Divided and this application June 17, 1938, Serial No. 214,401
5 Claims. (Cl. 234—1.5)



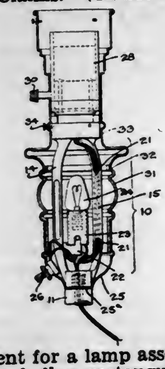
1. An apparatus for recording data designations at individual index point positions in different columns upon record elements comprising a recording station and a plurality of recording magnets thereat, one for each index point position in the said columns, means for feeding individual record elements to the recording station, said feeding means including intermittently operated means for presenting the individual columns of each record element successively to the recording station, and including additional means for holding the record element stationary while recording in the different columns presented to the recording station, said record elements including material capable of being magnetized and retaining individual magnetic designations, and means for selectively energizing the magnets momentarily at the times the record element is held stationary at the recording station in accordance with the data to be recorded to magnetize the record element at predetermined index point positions in different columns opposite the energized magnets thereby representing the data by the magnetic designations recorded on and retained by the record elements.

2,258,107
MEANS FOR COUPLING FROM A SINGLE TO A PUSH-PULL LINE
Werner Buschbeck, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application July 15, 1939, Serial No. 284,645
In Germany August 9, 1938
5 Claims. (Cl. 178—44)



1. Circuit organization adapted to establish coupling relations between a radio frequency arrangement which is symmetric to ground and a dissymmetric arrangement, with the characteristic feature that between the dissymmetric arrangement and one-half of the symmetric arrangement there is interposed a network causative of a phase shift of 180 degrees and inherently possessing a vanishingly low internal resistance, while the other half of the symmetric arrangement is directly connected with the dissymmetric arrangement, said network consisting of a T type mesh having a pair of series reactances and a shunt reactance, the impedance of each of the series arms thereof compared to the impedance of the shunt reactance being twice the absolute value and of opposite sign.

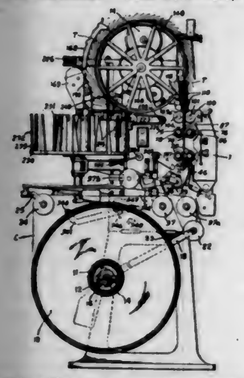
2,258,108
LAMP
Paul C. Calissi, Philadelphia, Pa.
Application June 3, 1939, Serial No. 277,209
5 Claims. (Cl. 240—81)



1. An element for a lamp assembly comprising a substantially hollow rectangular shaped member having a pair of laterally spaced legs, an internally threaded boss at the lower junction of

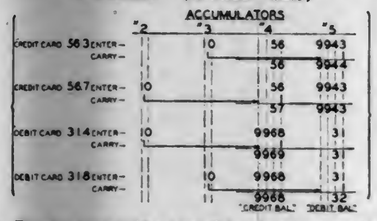
said legs for securing said member to a supporting structure, and means at the upper junction of said legs for supporting a lamp socket in vertically spaced relation to said supporting structure, said means being in the form of a solid head having a wiring clearance groove in one side thereof, one of said legs being provided with means to receive and fixedly support a pilot lamp socket and removable lamp wholly between said legs.

2,258,109
CONVEYING MECHANISM
Fred M. Carroll, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Original application January 26, 1937, Serial No. 122,360. Divided and this application May 3, 1938, Serial No. 205,721
34 Claims. (Cl. 271—51)



1. In combination; a conveyor and a plurality of spaced clamps mounted thereon, each having a gripping face to clamp one edge of an article, such as a card or the like, against a surface of the conveyor, with the remainder of the article extending free of the conveyor, and means for maintaining said articles out of contact with each other during the travel of the conveyor.

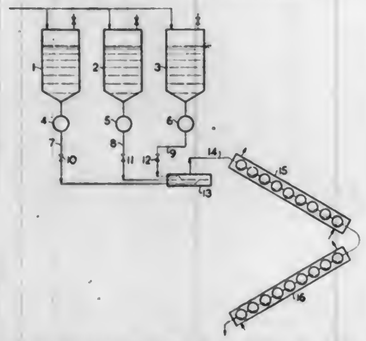
2,258,110
ACCOUNTING MACHINE
Hansruedi Daendliker, Winterthur, Switzerland, assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application August 31, 1938, Serial No. 227,868
5 Claims. (Cl. 235—61.8)



4. In an accounting machine having means for sensing a column of a record card for perforations representing a digit, means for sensing a column of a record card for a special perforation distinguishing negative and positive characteristics of the digit, a pair of accumulators and elusive one entering means for each, in combination with testing means controlled by said first named sensing means for ascertaining whether the digit sensed is greater than a predetermined digit and means controlled jointly by said testing means and said second sensing means, when the digit sensed is greater than the predetermined digit and positive or less than the predetermined digit and negative, for causing an operation of the elusive one entering means of one of said accumulators and, when the digit sensed is greater than the predetermined digit and negative or less than the predetermined digit and positive, for causing an operation of the elusive one entering means of the other of said accumulators.

5. In an accounting machine controlled by a record card containing perforations representing an amount of at least two denominational orders having means for sensing the perforations representing a predetermined order of the amount, means for sensing the perforations representing the higher orders, a pair of accumulators, entering means for each, means controlled by the second named sensing means for controlling said entering means to effect entry of the digits of said higher orders into one accumulator and the nines complements of said digits into the other accumulator, elusive one entering means for each accumulator, and means normally effective for causing the elusive one entering means of the accumulator receiving the nines complement to enter an elusive one therein, in combination with means controlled by said first named sensing means for ascertaining whether the digit in said predetermined order is greater than a predetermined digit and means controlled thereby for suppressing the operation of the elusive one entering means of the nines complement accumulator and causing an operation of the elusive one entering means for the other accumulator.

2,258,111
PREPARATION OF CATALYSTS
Willem Frederik Engel, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application October 9, 1939, Serial No. 298,613
In the Netherlands October 18, 1938
5 Claims. (Cl. 252—254)



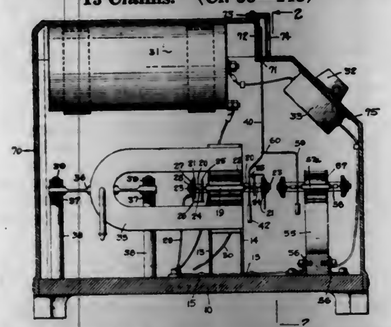
3. In a process for the preparation of a metal oxide catalyst wherein a compound of a metal is precipitated from an aqueous solution and the precipitate is collected and converted into the active oxide catalyst, the steps of effecting the precipitation without heating by continuously mixing separate streams of the metal salt and precipitant, heating the reaction mixture substantially as soon as precipitation is complete to a temperature between 50° C. and the boiling point of the reaction mixture, cooling the heated reaction mixture, and separating the precipitate, said precipitation, heating and cooling steps being executed in a period of not more than ten minutes.

2,258,112
COSTUME ACCESSORY
Edward Ford Goeller, New York, N. Y.
Application March 8, 1940, Serial No. 322,964
12 Claims. (Cl. 24—5)



1. A costume accessory which comprises a box-like structure having an opening in a wall thereof, means by which the structure may be attached to the clothing or person, a closure member within the structure closing said opening and having portions overlain by the wall of the structure adjacent the opening, and spring means within the structure urging the member to closing position and tending to force said portions into contact with the overlying wall to provide a clamp for a flower stem inserted between one of said portions and said wall, said member having a part accessible from outside the structure for moving the member against the action of said spring means to separate said portion from said overlying wall.

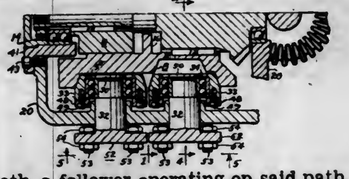
2,258,113
MEASURING OR GAUGE DEVICE
Manfred J. Johnson, Naugatuck, Conn., assignor to J-B-T Instruments, Inc., New Haven, Conn., a corporation of Connecticut
Application February 15, 1940, Serial No. 319,107
13 Claims. (Cl. 33—148)



1. A measuring device comprising means for producing a balanced magnetic field wherein substantially no flux flows in an air gap therein; an armature in said air gap having a current of predetermined magnitude therein; an indicator connected to said armature; and means for unbalancing said magnetic field in response to a change in measurement from a standard whereby a predetermined flux will react with said armature to cause a movement thereof proportional to the unbalance of the field to indicate the extent and direction of said change.

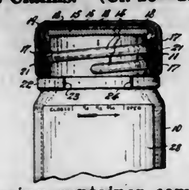
2,258,114
CAM FOLLOWER MECHANISM
William Horace Johnson, Edgewood, Cranston, R. I., assignor to Weskenson Corporation, Providence, R. I., a corporation of Rhode Island
Application November 15, 1939, Serial No. 304,487
11 Claims. (Cl. 74—57)

1. In a cam and follower mechanism, a movable supporting member, a cam member movably mounted on said supporting member, shock absorbing devices between said supporting member and cam member to permit relative movement therebetween, said cam member having a



cam path, a follower operating on said path, said cam member also having a control path, control devices on said control path for holding said cam member in fixed axial position at times and permitting said shock absorbing devices to function at times.

2,258,115
DISPENSING CONTAINER
Russell B. Kingman, Orange, N. J.
Application April 22, 1940, Serial No. 330,820
3 Claims. (Cl. 15—134)

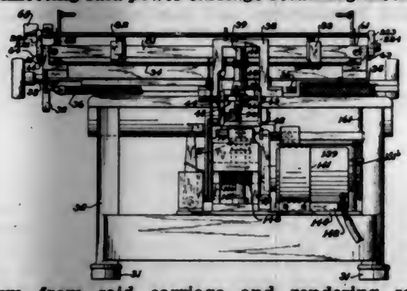


1. A dispensing container comprising, a container body having a neck-portion terminating in a mouth, said neck-portion having male screw-threads projecting from its exterior surfaces, an oversized cap having female screw-threads in its skirt wall to oppose said neck-portion male screw-threads, a pervious applicator member externally enveloping said cap with marginal portions thereof up-turned into the cap interior so as to be wedged between said neck-portion male screw-threads and said cap female screw-threads, thus serving as an intermediate key means to both operatively interengage the cap in rotative threaded relation to said neck-portion as well as to anchor said applicator member to the cap and to serve as a leak-proofing medium between said cap and the external sides of said neck-portion, said cap having fluid passage means communicating with said applicator member, and a loose sealing disc intermediate said cap and neck-portion mouth adapted to be forced into sealing relation to the latter by down-screwing movement of said cap.

2,258,116
TYPEWRITER
Seyed Khalil, New York, N. Y., assignor to Remington Rand, Inc., New York, N. Y., a corporation of Delaware
Application June 18, 1938, Serial No. 214,463
12 Claims. (Cl. 197—66)

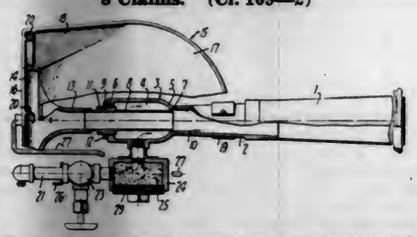
12. In a typewriting machine, a frame, a carriage movable along said frame, a spring drum on said frame and operatively connected to said carriage, escapement mechanism carried jointly by said frame and said carriage and arranged to normally prevent movement of the carriage under the force of said spring drum, power carriage returning mechanism, means for operatively connecting said power carriage returning mecha-

nism to said carriage to move the latter against the force of said spring drum, and means carried jointly by said frame and said carriage for disconnecting said power carriage returning mecha-



nism from said carriage and rendering said escapement mechanism inoperative when the carriage is moved to a predetermined position against the force of said spring drum.

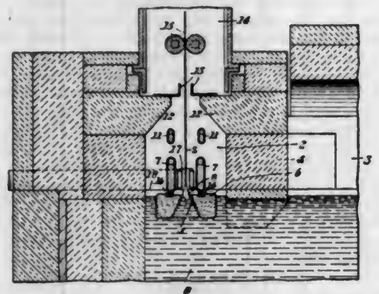
2,258,117
ROCK DUSTER AND METHOD
Edward Lamb, San Francisco, Calif., and Simon H. Ash, Trucksville, Pa.
Application February 17, 1940, Serial No. 319,482
8 Claims. (Cl. 169—2)



2. A rock duster comprising an elongated tubular nozzle having a bore extending longitudinally therethrough of generally venturi-shape, the restricted throat of said bore being disposed adjacent one end thereof and the opposite end being open, an inner tube coaxial with said bore extending from said one end to said throat and spaced from the walls of said bore and throat thereby forming a chamber therearound and an annular aperture at said throat communicating between the chamber and the bore of the nozzle extending from the chamber to said opposite end, means for supplying a compressible fluid under pressure to within said chamber for ejection thereof through said aperture toward said opposite end, a container for a supply of rock dust, said tube extending outwardly of said bore at said one end and connecting with said container for conducting rock dust to within said bore and to said aperture, means for supplying atmospheric air to said tube at a point substantially between said container and said tube whereby upon ejection of said fluid into the bore through said aperture, a flow of rock dust and atmospheric air will be induced within said bore toward said opposite end of the bore for ejection therefrom to the area to be dusted.

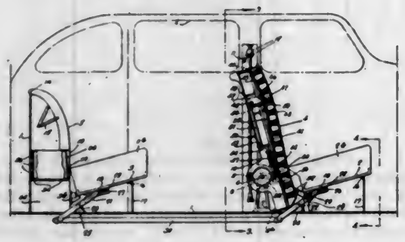
6. The method of rock dusting or the like, that comprises the steps of forcing compressed air from a source of supply through an axially directed annular aperture, thereby inducing a flow of atmospheric air through a central area enclosed by said annular aperture for discharge axially of said annular aperture toward the material to be dusted; feeding rock dust into the induced flow of atmospheric air for being carried therewith to said material; and facilitating the feeding of said rock dust by injecting compressed air from said source of supply into the flow of atmospheric air adjacent the point where the rock dust enters said flow of atmospheric air.

2,258,118
MANUFACTURE OF SHEET GLASS
Pete Magrini, Belle Vernon, Pa., assignor to American Window Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application May 9, 1938, Serial No. 206,725
2 Claims. (Cl. 49—17)



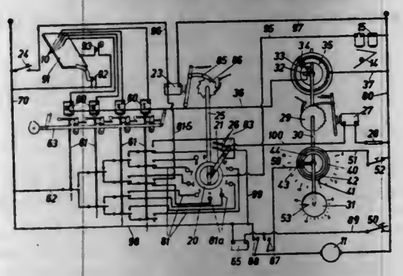
1. Apparatus for drawing sheet glass comprising a drawing pit having a bath of molten glass therein, a debiteuse at the surface of the glass in said pit, said debiteuse having a longitudinal slot therein through which the glass is drawn, means for drawing a sheet of glass upward from said slot, a longitudinally extending cooler spaced above said debiteuse and adjacent to and parallel with each face of the rising glass sheet, a shield secured to the base of each cooler and extending between the cooler and the debiteuse and longitudinally throughout substantially the length of the cooler, and means including a conduit extending into said pit for circulating a gas in contact with and in the same direction along each face of the rising glass sheet from one edge to the other edge thereof adjacent the meniscus between the coolers and the glass sheet.

2,258,119
ADJUSTABLE SEAT STRUCTURE FOR MOTOR VEHICLES AND THE LIKE
Juan G. Mathé and George W. Hipsley, San Salvador, El Salvador
Application March 1, 1938, Serial No. 193,330
8 Claims. (Cl. 155—7)



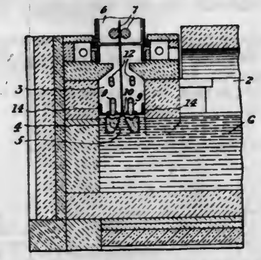
3. In a passenger vehicle, normally rearwardly declining front and rear seats, a pivotal mounting for each of said seats whereby the seats are movable from their normal position to horizontal position and vice versa, a back rest for the front seat constructed and arranged so that the surface thereof may assume either a curved contour or a flat condition, a pivotal mounting for said back rest whereby the same is movable from normal upright position to horizontal position intermediate the front and rear seats and vice versa, manually operable means for moving the said seats and said back rest from their normal positions to horizontal position and vice versa, means for urging the surface of said back rest to assume its flat condition when said back rest is in a horizontal position, latchable means including a pivoted arm for maintaining the surface of said back rest in its curved contour when said back rest is in its normal upright position, and a latch for said pivoted arm releasable in response to movement of said back rest when said back rest is approaching a horizontal position, whereby the surface of said back rest is caused to assume automatically its flat condition when said back rest is in horizontal position, the said seats and said back rest when in horizontal position having aligned contiguous upper surfaces forming a substantially continuous horizontal surface of relatively large area.

2,258,120
SORTING MACHINE FOR RECORDS
Michael Maul, Berlin-Johannisthal, Germany, assignor to Deutsche Hollerith Maschinen Gesellschaft m. b. H., Berlin-Lichterfelde, Germany
Application May 20, 1939, Serial No. 274,756
14 Claims. (Cl. 209—110)



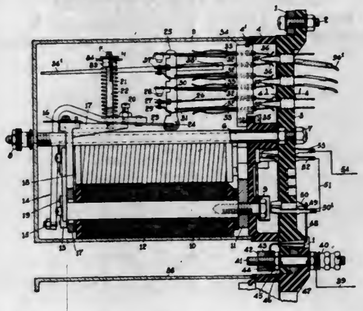
1. In a sorting machine for record cards having a plurality of adjacent record columns, wherein characters controlling the machine are represented, the cards being fed through the machine with the columns transverse to the feeding direction, stationary analyzing means common to all record columns which are coordinated in succession with the analyzing means and adapted to analyze at one time a single column while the card is in motion past the analyzing means, sorting mechanism controlled by said analyzing means, settable column selecting means, means for causing said column selecting means to be operative during the coordination of successive record columns with the analyzing means to cause the latter to be selectively responsive to a selected one of said card columns at the time the selected record column is coordinated with the analyzing means, and means under the control of a shift card for automatically causing a setting of said selecting means for rendering said analyzing means responsive to the next card column.

2,258,121
MANUFACTURE OF SHEET GLASS
Harrison Dean Menoher, Jeannette, Pa., assignor to American Window Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application May 10, 1938, Serial No. 207,029
6 Claims. (Cl. 49—17)



3. Apparatus for drawing sheet glass comprising a drawing pit adapted to receive a bath of molten glass therein, means for continuously drawing a sheet of glass therefrom, a cooler on each side of the drawn glass sheet adjacent thereto for cooling and setting the molten glass into sheet form, and a heat conducting member in abutting relation with each cooler and extending from the cooler to the adjacent side wall of the pit and longitudinally of the drawing pit for rendering more uniform the temperatures prevailing in the meniscus of the rising glass sheet and for shielding the meniscus against the in-flow of air beneath the coolers toward the meniscus.

2,258,122
RELAY
Joseph F. Merkel, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application January 28, 1939, Serial No. 253,383
8 Claims. (Cl. 175—298)



6. In combination, a plurality of plug-in type relays, a relay rack formed by a plurality of support panels, bolts clamping adjacent panels together, plugs in the panels for receiving relays closely spaced from each other and extending forwardly of the rack, each relay having an operating coil, a circuit for energizing the coil and including, in series, a plug, a socket receiving the plug, and a binding post constituted by one of the said bolts, a conducting threaded stem on the post, a conducting nut on the stem, and a ribbon conductor connected at one end to the plug, an insulating washer on the stem, the other end of the ribbon conductor being clamped between the nut and the washer and out of con-

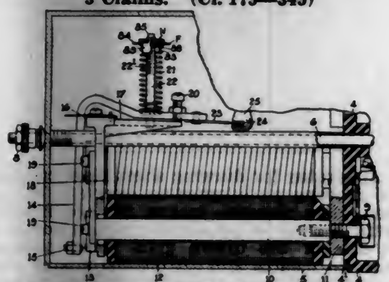
tact with the stem, and a socket wrench for the conducting nut having a handle longer than the distance the relays project from the rack.

2,258,123
RELAY

Joseph F. Merkel, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Original application January 28, 1939, Serial No. 253,383. Divided and this application June 14, 1940, Serial No. 340,551

3 Claims. (Cl. 175—345)



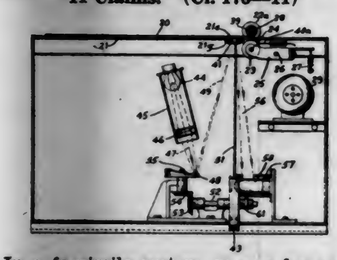
3. In a relay, an adjustable biasing means for an armature, comprising, a threaded stem fixed in position, a coil spring sleeved on the stem and adapted to bear at one of its ends against the armature, a longitudinal slot in the free end of the stem and extending inwardly a considerable distance, a follower slidable in the slot and bearing against the other end of the spring, a slotted nut threaded on the stem beyond the follower, the follower having a portion to fit into the slot in the nut, and having portions extending beyond the spring and the nut on each side, whereby a quick action lockable spring tension adjusting means is produced.

2,258,124
COMMUNICATION SYSTEM

Harry J. Nichols, Binghamton, N. Y.

Application September 20, 1939, Serial No. 295,723

11 Claims. (Cl. 178—11)



1. In a facsimile system, means for producing a concentrated scanning beam of light, and rotating optical means intercepting said light beam and rotating said scanning beam along a path in one plane and means comprising a part of said rotating optical means simultaneously controlling the movement of said beam along a path in a plane at an angle to said first plane.

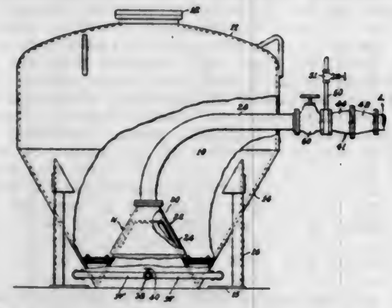
2,258,125
MATERIAL HANDLING APPARATUS

Evelyn G. Robinson, New York, N. Y.

Application March 21, 1940, Serial No. 325,132

3 Claims. (Cl. 302—53)

1. A material-handling apparatus comprising a container adapted for the reception of material to be removed therefrom, a discharge conduit line leading from said container, and an air-delivery unit by way of which compressed air is delivered to said container to facilitate removal of material therefrom, said air-delivery unit comprising a mass of distensible elastic ma-



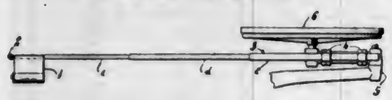
terial having slit-like openings therein by way of which compressed air is directed into said container from said air-delivery unit, said openings being normally closed to passage of material thereinto from said container and having at their respective discharge ends a slit-length substantially less than the slit-length at their respective inlet ends.

2,258,126
DENTAL CHAIR APPLIANCE

William Slutzky, Brooklyn, N. Y.

Application October 9, 1940, Serial No. 360,421

1 Claim. (Cl. 32—1)



In combination with a dental chair bracket, a telescoping arm of non-rotatable sections secured to said bracket; an upwardly opening receptacle for receiving gold fillings or the like hingedly mounted on the extendible end of said telescoping arm for swinging movement about a vertical axis only, said receptacle having inner walls downwardly and inwardly inclined toward its bottom, a screen extending across the said receptacle somewhat below its upper edge, and downwardly inclined deflector plates extending from opposite sides of said receptacle below said screen and having their inner edges overlapping and vertically spaced; and a removable drawer fitted into said receptacle below its deflector plates and adapted to be secured therein against unauthorized removal.

2,258,127
ENGINE MECHANISM

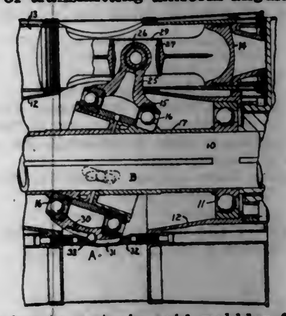
John O. Almen, Royal Oak, Mich.

Application January 30, 1940, Serial No. 316,401

6 Claims. (Cl. 74—60)

1. In an engine mechanism, a shaft, cylinders parallel thereto, piston members operable in said cylinders, a wabbler, bearings for said wabbler on and inclined to said shaft, means operably connecting said wabbler with said piston members, and means operably connecting said wabbler with

said cylinders and comprising a universal joint capable of transmitting uniform angular velocity



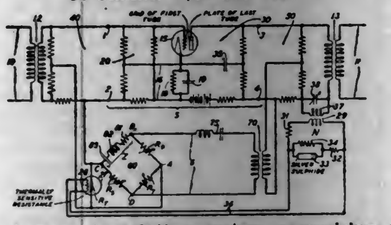
and serving to restrain said wabbler from rotation relative to said cylinders.

2,258,128
WAVE TRANSLATING SYSTEM

Harold S. Black, Elmhurst, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application December 20, 1938, Serial No. 246,791

10 Claims. (Cl. 250—36)



1. A wave translating system comprising an amplifying device and conjugate feedback paths therefor, one forming with said device an amplifier having negative feedback that renders the phase shift of said amplifier substantially 180 degrees at a given frequency and another forming with said amplifier a circuit producing self-sustained oscillations of said frequency.

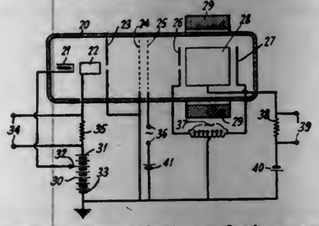
2,258,129
DIAPHRAGM FOR ELECTRONIC-OPTICAL PHASE LENSES

Ernst Brüche, Berlin-Reinickendorf, and Alfred Recknagel, Berlin, Germany, assignors to General Electric Company, a corporation of New York

Application October 26, 1938, Serial No. 237,140

In Germany October 26, 1937

6 Claims. (Cl. 250—27)



1. A transit time electron device comprising means for producing a concentrated beam of electrons, electrode means for controlling the intensity of the produced beam of electrons by electrical signals, an electron phase lens, and an electron phase diaphragm interposed between said beam producing means and said phase lens.

2,258,130
THIOAMMELINE ETHERS OF UNSATURATED ALCOHOLS

Herman A. Bruson, Philadelphia, Pa., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa.

No Drawing. Application March 13, 1940, Serial No. 323,699

3 Claims. (Cl. 260—248)

1. A 4,6-diamino-1,3,5-triazine having in the 2-position a thioether group of at least three carbon atoms in an open chain, possessing a double bond in the β,γ-position.

2,258,131
PROCESS FOR THE MANUFACTURE OF PREGNENDIONE AND INTERMEDIATES OBTAINED THEREBY

Adolf Butenandt, Berlin-Dahlem, Germany, assignor to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey

No Drawing. Application December 29, 1937, Serial No. 182,322. In Germany December 31, 1936

11 Claims. (Cl. 260—397.3)

1. Process for the manufacture of pregnendione of the formula $C_{21}H_{30}O_2$, wherein isopregnenolone is subjected under acid conditions to the action of an oxidizing agent capable of converting a secondary alcohol group into a keto group.

2,258,132
PERFUME FIXATIVE

Marion Scott Carpenter, Nutley, N. J., assignor to Burton T. Bush, Inc., New York, N. Y., a corporation of New Jersey

No Drawing. Application May 29, 1940, Serial No. 337,834

2 Claims. (Cl. 167—94)

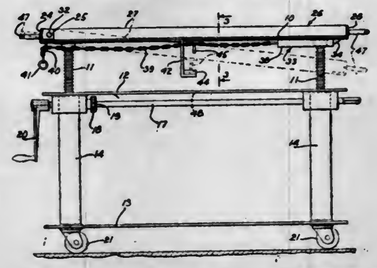
1. Perfume-containing compositions having hydroxycitronellol as a fixative ingredient.

2,258,133
SAFETY MEANS

Steven Chuma, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application December 9, 1939, Serial No. 308,436

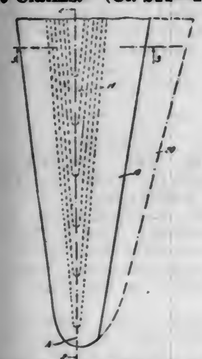
7 Claims. (Cl. 211—126)



1. In an article carrier the combination with an article supporting member, of pivotal and fixed guard members jointly encircling the supporting member and projecting thereabove,

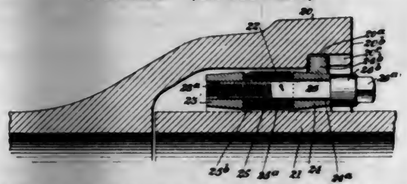
means for pivoting the pivotal guard member on the supporting member, and a latch on the bottom surface of the supporting member latchable under the pivotal guard member to retain it in its guarding position.

2,258,134
AIRCRAFT WING STRUCTURE
Virginius E. Clark, Hagerstown, Md., assignor, by mesne assignments, to John F. Neary, Jr., Englewood, N. J., as trustee
Application August 10, 1938, Serial No. 224,093
10 Claims. (Cl. 244—123)



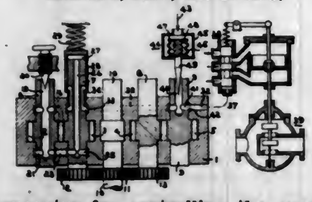
1. A structure for aeroplane wings and the like, comprising a shell of airfoil contour of substantially uniform wall thickness, and thickened portions, on the upper and lower inner surfaces of said shell, said thickened portions being formed integrally with the shell and tapering longitudinally toward the tip of the wing and being positioned substantially in a plane normal to the neutral aerodynamic axis of the airfoil section of the wing and passing through the deepest part of the wing, as viewed in transverse section.

2,258,135
PIPE JOINT
John A. Curtis, Greenville, Pa., assignor to Dresser Manufacturing Company, Bradford, Pa., a corporation of Pennsylvania
Application January 17, 1941, Serial No. 374,850
7 Claims. (Cl. 285—165)



1. In a pipe joint for bell and spigot pipe, the combination with a bell having its inner surface grooved to provide groove portions extending inwardly from the end face of the bell and connecting groove portions extending circumferentially of the bell, of a packing unit insertable in the annular space between the bell and spigot and comprising an inner follower ring, an outer follower ring having spaced projections adapted to be inserted through said inwardly extending groove portions and engageable in said circumferentially extending groove portions by limited relative rotation of the outer follower ring and the bell, a gasket between the two follower rings and spaced bolts for drawing the follower rings toward one another to expand the gasket laterally into sealing engagement with the bell and spigot.

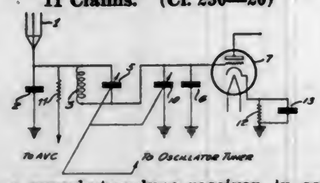
2,258,136
HYDRAULIC GOVERNOR
August Folgmann, Berlin-Falkensee, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 5, 1939, Serial No. 277,509
In Germany June 4, 1938
13 Claims. (Cl. 264—3)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)



1. Apparatus for controlling the operation of a pressure-responsive device: said apparatus comprising gear pump means operable from a prime mover, a first passage supplied by the pump means and connected to a first pressure-responsive device, means providing a first spill orifice for the first passage, means for varying the flow area of the first spill orifice, a second passage communicating with the first passage and connected to a second pressure-responsive device, means providing a second orifice joining the first and second passages, means providing a third spill orifice for the second passage, and means for varying the orifice area of the third orifice.

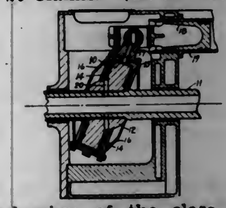
2. Apparatus for controlling the operation of a pressure-responsive device: said apparatus comprising first and second gear pumps operable from a prime mover, a passage supplied by the first pump and connected to the pressure-responsive device, means providing a first spill orifice for the first passage, pressure-responsive means for varying the flow area of said first orifice, a controlling passage supplied by the second pump and connected to the pressure-responsive means, means providing a second spill orifice for said controlling passage, and means for varying the flow area of the second orifice.

2,258,137
IMAGE SUPPRESSOR
Henry C. Forbes, Buffalo, N. Y., assignor of one-half to Colonial Radio Corporation, Buffalo, N. Y., and one-half to The F. W. Sickles Company, Springfield, Mass.
Application April 13, 1940, Serial No. 329,461
11 Claims. (Cl. 250—20)



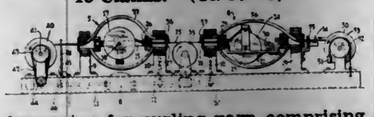
1. In a superheterodyne receiver, in combination, an inductance element and a plurality of capacity elements including a tuning capacity element for selecting desired signals, connected together to form a resonant signal selector circuit for connection to one point to an antenna and at another point to the control electrode of a thermionic tube, said inductance having one of said capacity elements connected in shunt therewith and forming with said inductance a resonant circuit parallel tuned to the image of a selectable signal frequency, said parallel tuned circuit being interposed in series between the points of connection to said antenna and to said grid.

2,258,138
WABBLER MECHANISM
Edwin S. Hall, Farmington, Conn.
Application February 13, 1939, Serial No. 256,071
20 Claims. (Cl. 74—60)



1. In mechanism of the class described, a shaft, swashplate means fixed on said shaft, a pair of plane working surfaces on said swashplate means and a spherical pilot surface associated with said working surfaces, a wabbler, bearing elements carried by said wabbler and operably conforming to said plane and spherical swashplate surfaces, said wabbler being substantially U-shaped in section to contain an oil bath for flooded lubrication of said bearing elements.

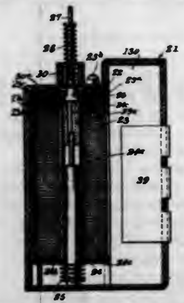
2,258,139
APPARATUS FOR CURLING YARN
Andrew Langstaff Johnston, Jr., Plainfield, N. J.
Application June 26, 1941, Serial No. 399,883
15 Claims. (Cl. 57—3)



1. Apparatus for curling yarn comprising two rotatable cradles, a spool supporting bracket carried by each cradle and rotatable relative thereto, means for inhibiting rotation of said brackets with the cradles, means for feeding a wire from one spool to the other, one cradle having yarn guiding means to which the yarn passes at a substantially axial point at one end of the cradle and from which at the opposite end of the cradle, the yarn passes and is wound about the wire as the cradle rotates, the other cradle having yarn guiding means to which the yarn passes at one end of the cradle as the cradle rotates to unwind the yarn from about the wire and from which the yarn passes at a substantially axial point at the opposite end of the cradle.

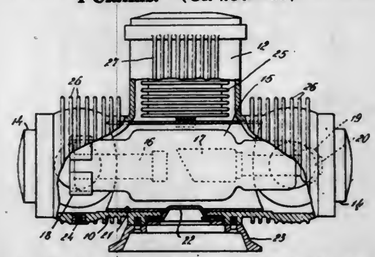
2,258,140
COMBINED CAMERA AND LIGHT CONTROL APPARATUS
Joseph F. Kaletay, Reaville, N. J.
Application November 23, 1937, Serial No. 176,045
7 Claims. (Cl. 95—53)

1. In combination, a camera having a shutter, shutter actuating means, means for operating said shutter actuating means, and means for vertically slidably mounting the last-mentioned means in definite removable relation to said



camera, said operating means comprising a solenoid having a movable core operably associated with the mentioned shutter actuating means.

2,258,141
X-RAY TUBE AND METHOD OF MAKING
Bror Karl Magnus Magnusson, Springdale, Conn., assignor to Machlett Laboratories Incorporated, Springdale, Conn., a corporation of Connecticut
Application February 9, 1940, Serial No. 318,106
4 Claims. (Cl. 250—89)



1. In an X-ray device for operation at high temperatures, the combination of a housing having a plurality of hollow extensions therefrom, the exterior of the housing and extensions being provided with cooling fins, terminals in two of said extensions which lie generally parallel to one another, an X-ray tube within the housing having terminals connected to the terminals in the extensions, a collapsible chamber in another of said extensions, a body of insulating fluid filling the remainder of the space within the housing and extensions with a tube immersed therein, and a motor-driven fan-unit removably mounted on the outside of the housing for propelling air over said fins.

2,258,142
IMMOBILIZING COMPOSITION FOR FRACTURES OF THE HUMAN BODY
Chester Orrin Padelford, Glen Ridge, N. J.
No Drawing. Application August 25, 1938, Serial No. 226,836
3 Claims. (Cl. 128—91)

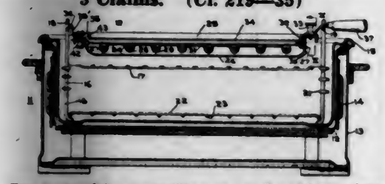
1. An improved immobilizing composition comprising a fabric base having applied thereto a composition comprising a gypsum compounded with small amounts of a gum, an alkaline reacting substance and chemicals regulating the setting time, said composition being adapted when wet and applied to a fracture to set in a regulated period of from five to fifteen minutes to

give a hard, light and thin cast, and said casts being sufficiently permeable to X-rays to permit the taking of clear-cut X-ray pictures.

2,258,143
IMMOBILIZING PRODUCT FOR FRACTURES OF THE HUMAN BODY
Chester Orrin Padelford, Glen Ridge, N. J.
No Drawing. Application August 25, 1938, Serial No. 226,835
4 Claims. (Cl. 128—91)

1. An improved immobilizing product comprising a fabric base having applied thereto a composition comprising alpha gypsum compounded with small amounts of chemicals to regulate the setting time and adapted when wet and applied to a fracture to set in a regulated period of from five to fifteen minutes to give a hard, light and thin cast, and said cast being sufficiently permeable to X-rays to permit the taking of clear cut X-ray pictures.

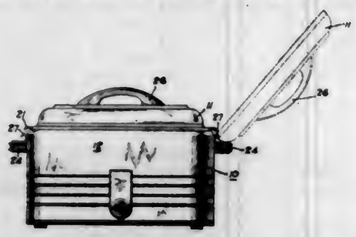
2,258,144
COOKING APPLIANCE
Bernard F. Parr and Joseph R. Heilman, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 30, 1938, Serial No. 243,285
3 Claims. (Cl. 219—35)



2. In a cooking appliance, a heating unit for frying and broiling, said heating unit being separate from and movable as a unit in the cooking appliance and comprising a horizontal metal plate member whose upper surface includes a central frying surface and a raised surface encompassing the frying surface, an open radiant heating element attached to said plate member on the lower side thereof and forming a unit therewith, said heating element being adapted to radiate heat upwardly and downwardly, a second plate member having a heat reflecting surface, and means for selectively mounting said second plate member between said heating element and said first plate member, for reflecting radiant heat downwardly when the heating element is used for broiling articles of food below the heating element or mounting said second plate member below said heating element for reflecting radiant heat upwardly to said first plate member when the heating unit is used for cooking on the latter.

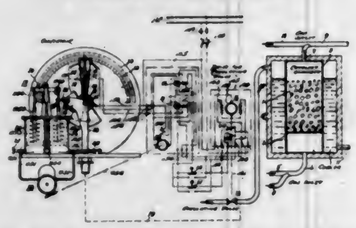
2,258,145
ELECTRIC ROASTER
Kenneth L. Woodman, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 11, 1939, Serial No. 261,191
7 Claims. (Cl. 220—94)

1. A receptacle comprising a body portion and a cover therefor, said cover being provided with a handle, said body portion having a substantially vertical flat wall, a handle disposed horizontally on said wall below the top thereof, and a retaining member separate from but secured to said wall and having a retaining portion which is disposed a small distance above said horizontal handle and projecting outwardly over the plane of the upper edge of the handle, said outwardly



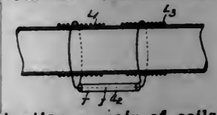
projecting retaining portion and said horizontal handle cooperating to receive therebetween a marginal portion of the cover and thereby to hold the cover in an open position projecting from the receptacle.

2,258,146
APPARATUS FOR CONTROLLING THE TEMPERATURE OF EXOTHERMIC CATALYTIC REACTIONS
Werner Pontow, Berlin-Friedenau, Germany, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany, a corporation of Germany
Application April 2, 1937, Serial No. 134,689
In Germany April 3, 1936
9 Claims. (Cl. 23—288)



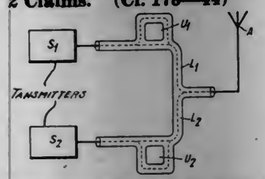
1. In an apparatus for effecting exothermic catalytic reactions at a constant temperature, comprising a catalyzer chamber, means for charging and discharging said chamber with the substances to be exposed to the catalyzer, and an evaporative closed cooling system for cooling said catalyzer chamber, in combination, an adjustable device for regulating the temperature in said cooling system, a driving motor connected with said device, an indirectly operating governor for controlling said motor, said governor having an impulse transmitting means containing a deflectable pilot member and a deflectable follower member for producing control impulses when engaging each other, said pilot member being operatively connected with said cooling system so as to be deflected in response to departures of said temperature from a given value, said follower member being operatively connected with said motor so as to be deflected in accordance with the adjustment of said device, and an operative connection between said two members and said driving motor for actuating said motor in accordance with said control impulses, said governor and said connection being designed to allow said member to move according to said temperature departures independently of the position of said regulating device.

2,258,147
COUPLING CIRCUIT
Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 28, 1939, Serial No. 253,336
3 Claims. (Cl. 178—44)



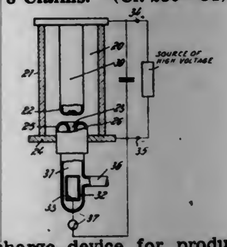
1. In combination, a pair of coils having mutual inductance therebetween, a link circuit comprising a winding of at least one turn coaxial with each of said pair of coils and a concentric line of low inductance connecting said windings.

2,258,148
TRANSMISSION LINE
Karl Schüssler, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application October 4, 1938, Serial No. 233,197
In Germany October 27, 1937
2 Claims. (Cl. 178—44)



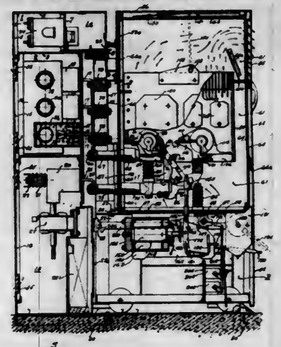
1. An arrangement adapted to suppress undesired frequencies in a coaxial transmission line comprising a similar coaxial transmission line section connected in shunt to a portion of said first named line, the length of said section and said shunted portion differing by an odd multiple of a half the wave length of the undesired frequency, the impedance of each of said portion and said section being equal to twice the impedance of the remainder of said line.

2,258,149
DEVICE FOR PRODUCING RAPIDLY FLYING IONS
Werner Schütze, Berlin-Pankow, Germany, assignor to "Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschrankter Haftung," Berlin, Germany, a corporation of Germany
Application April 22, 1939, Serial No. 269,452
In Germany April 23, 1938
8 Claims. (Cl. 250—84)



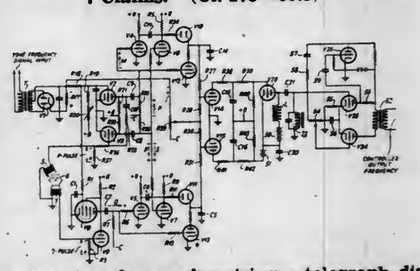
1. A discharge device for producing ions of high velocity, comprising a vacuum chamber, an anode having a gas-filled chamber forming the source of the ions and provided with an aperture for the passage of the ions into said vacuum chamber, a cathode in said vacuum chamber for accelerating the ions, and non-focussing magnetic means associated with said cathode for producing a dispersing magnetic field effective at the surface of said cathode so as to prevent electrons released at said cathode from forming a directed beam impinging on said anode.

2,258,150
CIRCUIT-CONTROLLING APPARATUS
William M. Scott, Jr., Bryn Mawr, Pa., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa., a corporation of New Jersey
Application August 27, 1938, Serial No. 227,089
22 Claims. (Cl. 200—168)



1. A circuit breaker comprising a frame including two panels disposed in angular relation to each other, contact structure comprising relatively movable contact members, means for supporting said contact structure from said frame within the angle defined by said panels comprising conductors extending through one of said panels, operating mechanism, means for supporting said mechanism from said frame, and an insulated operating member extending through the other of said panels from said operating mechanism to said contact structure to effect relative movement of said contact members.

2,258,151
PHASE CORRECTOR FOR TELEGRAPH SYSTEMS
Eugene R. Shenk, Brooklyn, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application March 30, 1940, Serial No. 326,902
7 Claims. (Cl. 178—69.5)



1. A system for synchronizing a telegraph distributor with a train of incoming marking signals comprising means for producing in the following sequence four species of control pulses M, P, Q

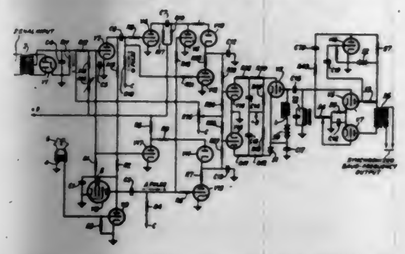
and S, of which M and S are responses to the arrival of the front and back edges respectively of each marking signal, and P and Q are timed to occur at equal intervals before and after a reference phase of said distributor, electrical means for differentiating between the duration of M-to-P intervals and Q-to-S intervals, an oscillator having frequency control means subject to the influence of said differentiating means, and means for causing said oscillator to correct the phase of said distributor.

2,258,152

SYNCHRONISM CORRECTOR FOR TELEGRAPH SYSTEMS

Eugene R. Shenk, Brooklyn, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application March 30, 1940, Serial No. 326,903
6 Claims. (Cl. 178—69.5)



1. A system for synchronizing a telegraph distributor with a train of incoming signals comprising means for producing a first control condition coextensive with the period between the front and back edges of a marking signal, means for producing a second control condition coextensive in time with a subsequent spacing signal, means for producing a periodic local impulse at the instant when the rotative element of said distributor crosses a reference meridian designated as the "baud center," means operative during said first control condition for storing a capacitive charge commensurate with the time interval from the front edge of a marking signal to the next succeeding local impulse, means for storing a second capacitive charge commensurate with the time interval commencing with a local impulse next preceding the back edge of a marking signal and ending with the arrival of said back edge, means operative during said second control condition for comparing the first and second capacitive charges, an oscillator having a phase correcting function, and means for varying the frequency of said oscillator in dependence upon the operation of said comparing means.

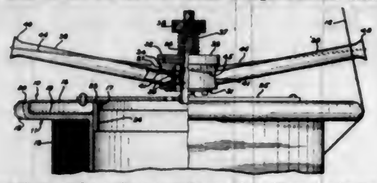
2,258,153

MATERIAL UNWINDING DEVICE

Victor W. Siebs, Summit, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application January 10, 1941, Serial No. 373,933
6 Claims. (Cl. 242—128)

1. In a device for unwinding material from a stationary spool, a flier carried on the upper end of a spool for rotation about the vertical axis thereof, flier arms of circular cross-section mounted on said flier at an angle to said spool axis engaged by the material and rotatable bodily with the flier to unwind the material from the spool as it is withdrawn therefrom, said flier arms being freely rotatably adjustable on said flier for rotation about their longitudinal axes to



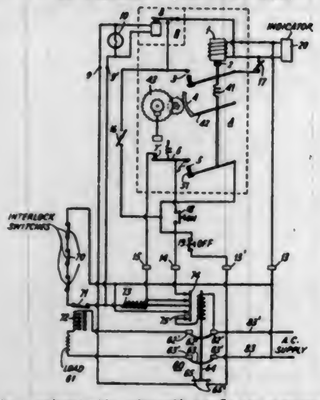
present new bearing surfaces for the material as wear occurs.

2,258,154

AUTOMATIC RECLOSING BREAKER SYSTEM

Charles Wilbur Watson, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application February 5, 1938, Serial No. 188,838
11 Claims. (Cl. 175—294)



1. An automatic circuit recloser comprising an electromagnet, means under control of protective devices associated with a load for energizing said electromagnet, a locking circuit for said electromagnet, means responsive to the operation of said electromagnet for energizing said locking circuit, a time delay mechanism actuated by said electromagnet and means responsive to the operation of said time delay mechanism for closing a control circuit for energizing said load, a relay connected in parallel with said electromagnet and having its contacts arranged to momentarily de-energize said electromagnet a predetermined time after the operation of said last mentioned means whereby the recloser will repeat its cycle of operation.

2,258,155

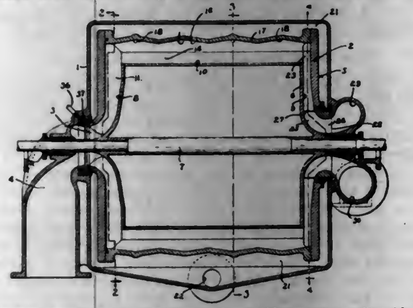
PUMP

Ralph M. Watson, Bloomfield, N. J., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware

Application February 10, 1940, Serial No. 318,217
10 Claims. (Cl. 233—27)

1. In a pump, a rotary casing having an inlet at one end and a discharge at the other end, a plurality of energy imparting vanes in said casing near said inlet for imparting energy to the fluid pumped, a plurality of energy recovering vanes carried by said casing near said outlet, said casing having a passage therein approximately parallel with the axis of rotation of the casing

for receiving fluid from said energy imparting vanes and delivering it to said energy recovering



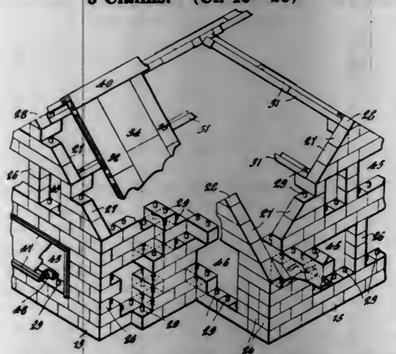
vanes, and a plurality of stationary collecting vanes at the discharge of said energy recovering vanes.

2,258,156

TOY BUILDING STRUCTURE

Anthony M. Cavalieri, Buffalo, N. Y.

Application September 5, 1936, Serial No. 99,607
3 Claims. (Cl. 46—26)



1. A toy building block structure, comprising a plurality of blocks having dowel-pins and holes adjacent their ends and in the top and bottom thereof, respectively, for locking them in courses to form side walls, certain of said blocks being adapted for disposition crosswise of a wall to project inwardly beyond such wall and expose a dowel-pin, and rafter members adapted for supporting engagement at their ends with said crosswise-positioned blocks and having openings therein engageable with the dowel-pins of such blocks.

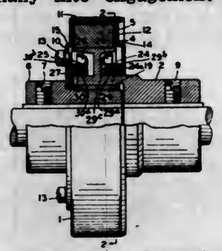
2,258,157

CLUTCH

Everard F. Kohl, Cleveland, Ohio

Application November 22, 1939, Serial No. 305,627
21 Claims. (Cl. 192—105)

10. A clutch comprising a driving member including a rotatable housing containing a liquid, a driven member having a clutch surface arranged in said housing, a plurality of clutch members having a lower specific gravity than said liquid disposed between the clutch surface of said driven member and the inner periphery of said housing, means associated with said clutch members and said housing for causing rotation of said clutch members with said housing while permitting radial movement of the clutch members, the rotation of said driving members at a sufficient speed to centrifugally throw the liquid to the inner periphery of the housing being effective in causing said liquid to buoyantly move said clutch members radially into engagement with said



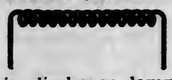
clutch surface with a force depending upon the rotative speed of said driving member and the depth to which the clutch members are immersed in said liquid.

2,258,158

ELECTRIC DISCHARGE LAMP CATHODE

Erwin F. Lowry, Swampscott, Mass., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts

Application November 23, 1940, Serial No. 366,855
8 Claims. (Cl. 176—126)



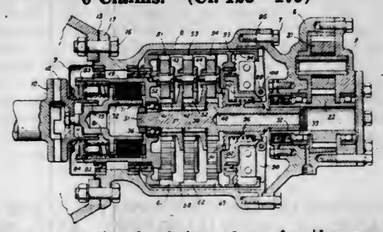
1. An electric discharge lamp cathode comprising: a coiled-coil tungsten wire filament having a major and a minor coil; and an alkaline earth oxide coating filling the space within the minor coil only.

2,258,159

ENGINE STARTER GEARING

Romeo M. Nardone, East Orange, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application February 20, 1940, Serial No. 319,955
6 Claims. (Cl. 123—179)



1. In a starter for internal combustion engines, a shaft connected to the engine, an orbit gear normally rotatable with said shaft, a plurality of planetary gears mounted on said shaft and constantly meshed with said orbit gear, means holding said orbit gear stationary during the cranking process, said means including weighted elements responsive to centrifugal force, and means operative when the engine attains normal running to render said weighted elements ineffective to prevent rotation of said orbit gear.

2,258,160

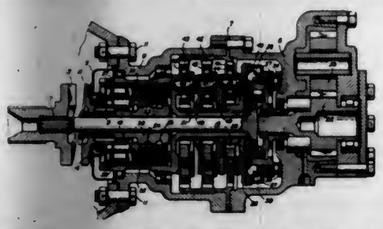
INTERNAL COMBUSTION ENGINE

Romeo M. Nardone, East Orange, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application April 10, 1940, Serial No. 328,991
1 Claim. (Cl. 60—18)

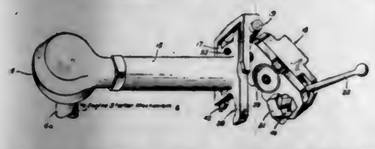
In combination with an internal combustion

engine and a source of liquid under pressure, means including a pump operable to cause flow of liquid under pressure, first, from said pressure source, and secondly, to said pressure source, means forming a driving connection for rotation



of the engine by the pump, and means driven by the engine for continuing the rotation of the pump in the same direction after the engine reaches a normal running speed, said last-named means further operating to cause cessation of movement of said first-named driving connection.

2,258,161
FLUID PRESSURE GENERATION
Romeo M. Nardone, East Orange, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application September 12, 1940, Serial No. 356,547
8 Claims. (Cl. 123—24)



4. In combination with an open ended breech barrel, a hinged breech block movable into sealing relationship to the open end of said breech barrel, and cooperating means on said breech block and barrel for delaying the full exposure of the open end of the barrel, after partial opening of the breech block, said last-named means including a locking head on said breech block and a retainer leg depending from said barrel and blocking complete release of said locking head after such partial opening of the breech block.

2,258,162
POLYSULPHANILAMIDOAROMATIC, POLYSULPHANILAMIDOALIPHATIC AND RELATED COMPOUNDS AND A PROCESS FOR MAKING THEM
Elmore H. Northey, Bound Brook, and Martin E. Hultquist, North Plainfield, N. J., assignors, by mesne assignments, to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application April 16, 1938, Serial No. 202,450
19 Claims. (Cl. 260—397.7)

1. Sulphonamido compounds having the following general formula:

$$R_1—SO_2NH—R_2[N—(X)—SO_2R_3]_n$$

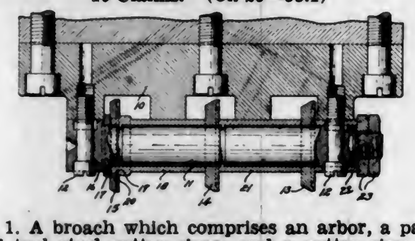
in which R_1 is a para aminoaryl radical linked to the SO_2 group through a nuclear carbon atom, R_2 is a polyvalent radical included in the group consisting of polyvalent aryl and open chain saturated aliphatic radicals, R_3 is an aryl radical, X is a radical included in the group consisting of hydrogen and radicals of the paraffin series, and n is a small whole number.

15. A method of preparing sulphonamide compounds having the following general formula:

$$R_1—SO_2NH—R_2[N—(X)—SO_2—R_3]_n$$

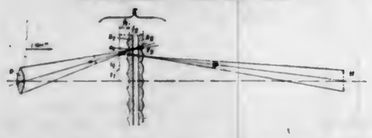
in which R_1 is a para aminoaryl radical linked to the SO_2 group through a nuclear carbon atom, R_2 is a polyvalent radical included in the group consisting of polyvalent aryl and open chain saturated aliphatic radicals, R_3 is an aryl radical, X is a radical included in the group consisting of hydrogen and radicals of the paraffin series, and n is a small whole number, which comprises reacting N-acylarylsulphonyl halides on a polyamine included in the group consisting of aryl polyamines and aliphatic polyamines, the acyl group being the acidic residue of an organic carboxylic acid, the amount of the N-acylarylsulphonyl halide being at least twice the stoichiometric equivalent of the polyamine.

2,258,163
BROACH
William J. Peters, Wayne Pattison, and Walter A. Robinette, Detroit, Mich.
Application November 5, 1938, Serial No. 239,014
10 Claims. (Cl. 29—95.1)



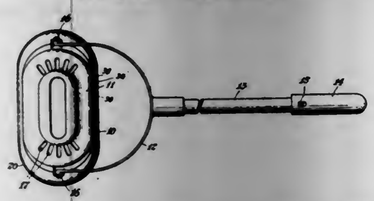
1. A broach which comprises an arbor, a pair of tool steel cutter rings, and a cutter ring of harder material which includes tungsten carbide, the hard cutter ring having a larger internal opening than the internal openings of the tool steel rings, and means for rigidly holding said rings in spaced relation on said arbor.

2,258,164
SCREEN FOR PHOTOGRAPHY IN RELIEF
Anne Henri Jacques de Lasaus Saint Genies, Versailles, France
Application December 10, 1937, Serial No. 179,186
In France December 16, 1936
4 Claims. (Cl. 88—24)



1. Transparent screen system for use in association with an optical projecting device for producing a picture in relief of a three-dimensional primary subject or a photograph recorded on a lenticular film; comprising a divergent optical system consisting of at least one lenticular network, and a convergent optical system consisting of at least one lenticular network, said convergent optical system being arranged beyond said divergent system with respect to the direction of the light, the optical elements of the convergent system corresponding one by one with those of the divergent system, the optical elements of said divergent system producing virtual images of the exit pupil of the projecting device, the pitch of the optical elements of the convergent system differing from the pitch of the optical elements of the divergent system and being less than the pitch of said virtual images, whereby said convergent system collimates said virtual images to observers beyond the screen system, said divergent and convergent systems cooperating to give a magnification greater than unity.

2,258,165
FLOOR BRUSH
Joseph Sassano, Yonkers, N. Y.
Application April 11, 1939, Serial No. 267,215
4 Claims. (Cl. 15—49)



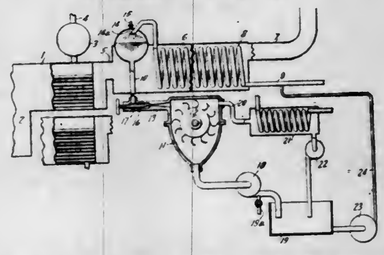
2. A floor cleaning device comprising a pair of oppositely rotating brushes having vertical shafts, a motor having inner and outer casings for driving said brushes, and arranged horizontally between the brush shafts, a gear on each brush shaft for engagement with a worm on the motor shaft, a housing for each gear and worm, the motor inner casing being transversely divided centrally into two parts bolted together, each part integral with a worm and gear housing, at least one of the motor inner casing parts having an outwardly extending flange closing the space between the inner and outer casings.

2,258,166
BOBBIN HOLDER
Arthur L. Schoelles, Newfane, N. Y.
Application May 20, 1941, Serial No. 394,334
9 Claims. (Cl. 57—131)



1. In a bobbin holder, means associated therewith for relative axial movement and means associated therewith against relative axial movement, the two of said means being coaxially arranged, one of said means being relatively rotatable and the other of said means being held against rotation relative to said holder, means rendering said relative rotative movement and said relative axial movement concomitant, and means operable by and upon removal of a bobbin from said holder for effecting such relative axial and rotative movement to move said first two mentioned means to yarn engaging and gripping position.

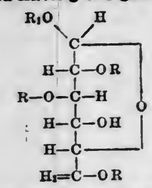
2,258,167
APPARATUS FOR CONVERTING HEAT AND PRESSURE ENERGIES INTO MECHANICAL ENERGY
Edward T. Turner, Dayton, Ohio
Application January 27, 1938, Serial No. 187,252
6 Claims. (Cl. 60—63)



1. In an apparatus of the character described, a conduit, means for connecting said conduit with a source of supply of products of combustion, a second conduit arranged in counterflow heat exchange relation to the first mentioned conduit, means for connecting the inlet end of said second conduit with a source of supply of water, a flow equalizer connected with the discharge end of said second conduit, a casing, a conduit leading from said flow equalizer to said casing and including an expansion nozzle to convert a portion of the water into steam and expand said steam to impart velocity energy to the mixture of water and steam, and a power element arranged in said casing to be actuated by said mixture of water and steam.

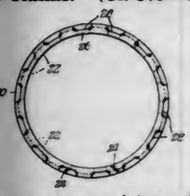
2,258,168
GLUCOSIDE ETHER FROM POLYSACCHARIDE ETHERS
Elwood V. White, Moscow, Idaho, assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application September 13, 1939, Serial No. 294,678
11 Claims. (Cl. 260—210)

1. A compound having the general formula



wherein at least one R is selected from the class consisting of alkyl and aralkyl radicals, the other radicals R being hydrogen, and R_1 representing a primary or secondary alcohol radical selected from the group consisting of the alkyl, aralkyl, alkoxy-alkyl, aryloxy-alkyl and cycloalkyl radicals containing more than two carbon atoms, and the hydroxy-alkyl and polyhydroxy-alkyl radicals from polyhydric alcohols containing from 2 to 3 hydroxyl groups.

2,258,169
LAMINA FOR ASSEMBLED PISTON RINGS
Walter E. Amberg, Chicago, Ill., assignor to Standard Piston Ring Company, Chicago, Ill., a corporation of Illinois
Application March 10, 1939, Serial No. 260,991
5 Claims. (Cl. 309—45)



2. An assembled oil piston ring comprising outer compression laminae and complemental spacer laminae, one spacer lamina having notches cut into its outer edge past the radial midpoint of the lamina, and the other having notches cut into its inner edge past the radial midpoint of the lamina, whereby the complemental spacer laminae may cooperate to provide oil ports from the outer to the inner faces of the oil piston ring.

2,258,170
CIGARETTE LIFTING JACK
Millard P. Austin and Mary C. Austin, Burbank, Calif.; said Millard P. Austin assignor to said Mary C. Austin
Application October 23, 1939, Serial No. 300,694
2 Claims. (Cl. 206—41.2)

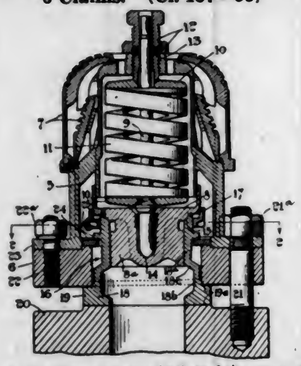


1. In a cigarette pack, a cigarette lifting jack including a lifting shank presenting a plane face from edge to edge transversely and having a lift-effecting part provided with a friction affording means engageable with contiguous cigarettes of a row in a pack to lift the cigarettes engaged; said means including an applied coat having an efficient frictional quality whereby to act by friction to lift the engaged cigarettes.

2,258,171
MONOSACCHAROSE ETHERS FROM POLYSACCHARIDE ETHERS
Arthur J. Barry, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application August 14, 1940, Serial No. 352,631
8 Claims. (Cl. 260—209)

1. A method for the single stage hydrolysis of water-insoluble alkyl polysaccharides, wherein the alkyl groups containing from 1 to 4 carbon atoms, and which is of a degree of substitution to yield water-soluble hydrolysates, which comprises mixing the said water-insoluble polysaccharide ether with a dilute water solution of a mineral acid hydrolytic agent containing as well a water-soluble organic solvent, which alone is capable of peptizing the polysaccharide ether, in concentration sufficient to exert at least a slight surface swelling effect on the polysaccharide ether, said water solution containing at least one mole of water for each monosaccharose unit in the polysaccharide ether being treated and at least one mole of water for each mole of peptizing agent present, and heating the mixture to a temperature above about 80° C. but below the temperature at which decomposition and charring occur, until the polysaccharide ether is hydrolyzed and the solution is substantially free from solids in suspension, thereby to form an aqueous solution of water-soluble monosaccharose ethers.

2,258,172
SAFETY VALVE FOR LOCOMOTIVES
Frederick W. Blanchard, Hampstead, Quebec, and Frederick D. Stirling, Montreal, Quebec, Canada, assignors to T. McAvity & Sons Ltd., Montreal, Quebec, Canada
Application June 1, 1939, Serial No. 276,893
6 Claims. (Cl. 137—53)



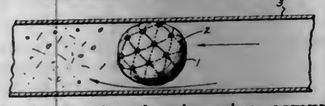
5. In a pressure operated safety pop valve assembly, a valve body having an opening at its lower end surrounded by a clamping flange detachably secured to said body, a valve seat bushing slidably fitted in said opening free of threaded connection with said body or said flange, a relatively thick flange formed integral with the lower end of said bushing and projecting outwardly therefrom to underlie said clamping flange, the upper portion of said bushing and clamping flange being provided with cooperating elements adapted to support the bushing in said body before the valve assembly is applied, said cooperating elements of the bushing and clamping flange being separated by relative sliding movement between the valve body and the bushing which occurs when the bushing flange is clamped in place beneath said clamping flange.

2,258,173
CARCASS REFRIGERATION
Frank B. Bratek and Harry H. McKee, Chicago, Ill., assignors to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application June 9, 1939, Serial No. 278,372
2 Claims. (Cl. 62—91.5)



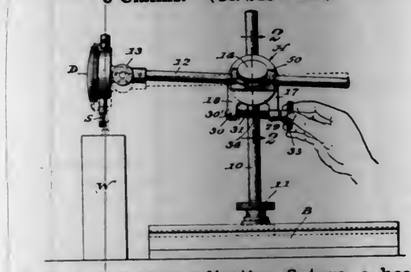
1. A refrigerating apparatus comprising a vessel adapted to contain a non-gaseous, anhydrous, carbon dioxide refrigerant, and a needle having a tapered point on one end rigidly attached to said vessel which needle has a hollow core which communicates with said vessel near the other end and at least one opening from the exterior of said needle to said hollow core near the pointed end of said needle.

2,258,174
APPARATUS FOR CLEANING CONDUITS
William Rupert Chawner, Riverside, Calif.
Application January 22, 1940, Serial No. 314,982
1 Claim. (Cl. 15—104.06)



An apparatus for cleaning pipe, comprising a pneumatic ball, and a mesh of heavy cleaning chains embracing the said ball, said ball being adapted to be readily inflated or deflated to facilitate insertion into the pipe and to vary the specific gravity of the apparatus as a whole to selectively clean the top or bottom of a pipe being cleaned.

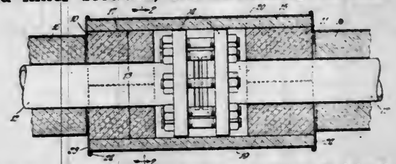
2,258,175
ADJUSTABLE DIAL TEST INDICATOR MOUNTING
James O. Coleman, Los Angeles, Calif., assignor to The L. S. Starrett Company, Athol, Mass., a corporation of Massachusetts
Application April 23, 1940, Serial No. 331,191
8 Claims. (Cl. 248—122)



1. In a dial gage adjusting fixture, a head, a post clamp, a back plate connected for limited rotatable adjustment relative to said post clamp, a carrier plate mounted for rotative adjustment on said back plate, a gage supporting rod bracket on said carrier plate, and adjusting means between said carrier plate and said back plate effective to produce their limited relative rocking movement, whereby dial gage stem contacts may be made without disturbance of other adjustments.

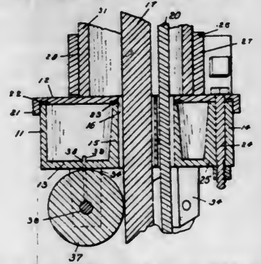
2,258,176
REMOVABLE INSULATING UNIT FOR PIPE COUPLINGS AND THE LIKE
Paul S. Denning, Joliet, Ill., assignor to F. E. Schundler & Co., Inc., Joliet, Ill., a corporation of Illinois
Application August 13, 1938, Serial No. 224,659
1 Claim. (Cl. 154—44)

An insulating unit for pipe and associated pipe couplings comprising insulating material which can be machined to exact size and which is capable of withstanding temperatures in excess of 600° F., said insulating material comprising exfoliated vermiculite bonded together by cement capable of withstanding temperatures in excess of 600° F., the volume of which cement is about one twenty-fifth of that of the vermiculite, the insulating material comprising inner and outer semi-cylindrical sections, the inner sections conforming in size to the pipe and located adjacent opposite side of the coupling, the outer sections surrounding the coupling and in contact with the said inner sections, the contacting surfaces of



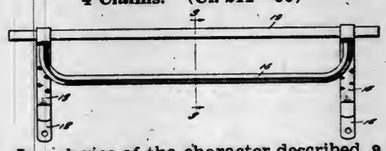
said inner and outer sections being finished for accurately fitting engagement and being cemented together to provide a pair of semi-cylindrical parts for surrounding the coupling, said parts respectively having a protective covering on their exterior.

2,258,177
ROD OR CABLE GUIDE
William Neal Edwards, White Deer, Tex.
Application February 16, 1939, Serial No. 256,775
10 Claims. (Cl. 308—6)



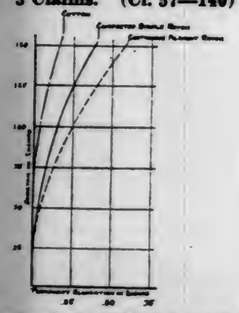
8. A self-lubricating rod or cable guide comprising a hollow body forming an oil reservoir, a core formed in said body and provided with a bore for passage of the rod or cable therethrough, bearings for the rod or cable on the bottom of said body exteriorly thereof, and communication means between the reservoir and bearings to effect gravity lubrication of the latter.

2,258,178
TOWEL BAR AND SHELF BRACKET
Arlie Oliver Haffner, Geneva, Ind., assignor to The Autoyre Company, Incorporated, Oakville, Conn., a corporation of Connecticut
Application February 12, 1940, Serial No. 318,601
4 Claims. (Cl. 211—90)



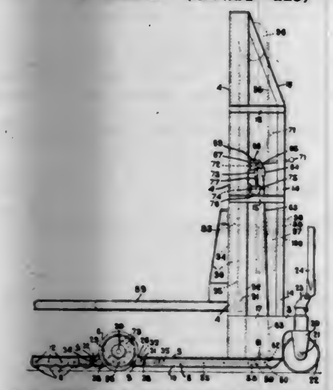
1. In a device of the character described, a rod having upturned end portions, a pair of separate brackets each of which includes a perforated back plate for attachment of the same to a vertical surface, an arm for supporting a shelf extending outwardly from an upper portion of said back plate, and an angularly extending brace between said back plate and said arm, said end portions of said rod being secured directly to the under side of said arm and spaced from said back plate of each bracket to provide a rack between said brackets.

2,258,179
TIRE CORD AND METHOD OF MAKING SAME
Albert W. Hansen, West Springfield, Mass., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application December 16, 1937, Serial No. 180,199
3 Claims. (Cl. 57—140)



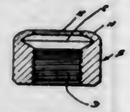
1. The method of making a cord for use in a pneumatic tire casing which comprises twisting together a plurality of yarns spun from high tenacity staple rayon to form strands, stretching the strands to effect a permanent elongation thereof and a compacting of the fibers, twisting a plurality of such strands together to form a cord and stretching the cord to effect a further permanent elongation thereof and a further compacting of the fibers, the degree of twist imparted at the several twisting operations being sufficiently in excess of that desired in the finished cord to compensate for the twist removed in the stretching operations.

2,258,180
PORTABLE STACKER FOR PALLET SKIDS AND THE LIKE
Russell Hastings, Jr., Wellesley Hills, Mass., assignor to Lewis-Shepard Company, Watertown, Mass., a corporation of Massachusetts
Application June 27, 1940, Serial No. 342,669
19 Claims. (Cl. 214—113)



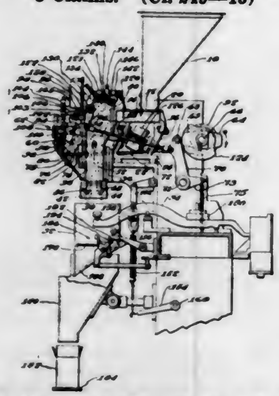
1. A portable hoisting machine comprising a head having a rearwardly extending horizontal base rigid therewith, adapted to be introduced beneath the article to be transported, load supporting means having a free end overlying said base, means for raising and lowering said load supporting means, wheel mechanism supporting the front end of said base to permit the steering of the machine, and rear wheel supporting mechanism slidably mounted upon and movable longitudinally of said rigid base to a position adjacent the front end of said load supporting means and to a position at a substantial distance rearwardly thereof and means for preventing rotation of the rear wheels during said relative movements.

2,258,181
NUT LOCK
Fred Hinds, San Bernardino, Calif., assignor of forty-nine per cent to Henry De Armond and E. W. Martin both of Colton, and R. J. Welch, Jr., Riverside, Calif.
Application January 23, 1941, Serial No. 375,683
2 Claims. (Cl. 151—21)



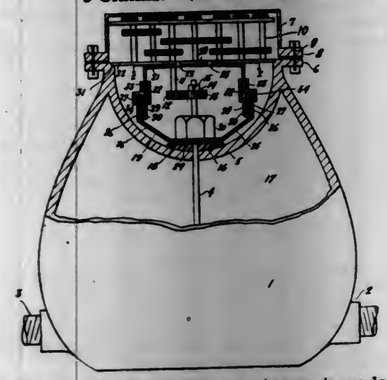
1. A self-locking nut comprising an internally threaded body having a tool-engageable face, a thin-walled, continuous, annular lock collar integral with the body at its work end and having a substantially convex work face, said lock collar being bored and threaded in conformity with the nut bore, and the inner face of the collar meeting the nut body at an acute angle of which the apex lies in a plane perpendicular to the nut axis and spaced axially outward beyond the work end of the tool-engageable face to provide a line on which only that part of the collar outwardly of the line bends radially and axially inward on work engagement of the nut.

2,258,182
AUTOMATIC WEIGHING MACHINE
Stanley R. Howard, Milton, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Application February 24, 1938, Serial No. 192,243
8 Claims. (Cl. 249—15)



1. In a weighing machine of the character described, a control shaft arranged to be operated in successive cycles, a weighing device, a vibratory conveyor for feeding material to said weighing device, means for vibrating the conveyor at a substantially constant rate of vibration sufficiently high to form a bulk stream and greater than is required to form a drip stream, during both bulk and drip feeding cycles, a gate positioned intermediate the ends of the conveyor capable of holding back the major portion of the material to change the size of the stream being discharged from a bulk stream to a drip stream independently of the vibration of the conveyor and to effect a damming of the material behind the gate, and connections between said control shaft and said gate for changing the position of the latter at the beginning of each feeding cycle.

2,258,183
METER LOCK
Joseph A. Humphreys, Egypt, Mass.
Application September 18, 1940, Serial No. 357,192
5 Claims. (Cl. 73—272)



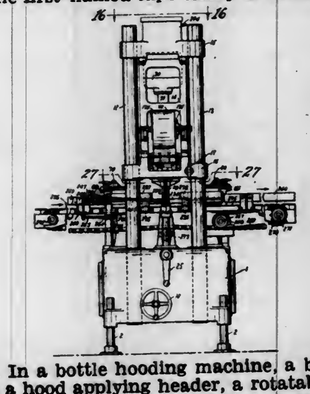
1. In combination with a water meter adapted to be permanently installed in a water main, the meter having a removable register mounted at the top thereof, a chamber beneath said register and a spindle driving said register, said spindle projecting into said chamber beneath said register, a set of U shaped spring members, means mounting one of said U shaped members in an inverted position on the base of said register in said chamber, means mounting the other of said members at the base of said chamber, catch means provided on the prongs of said members for locking one with the other to restrain vertical motion, and means cooperating therewith for preventing rotary motion of one of said members with respect to the other.

2,258,184
ICE-INHIBITING COMPOSITION
Francis P. Keenoy, Kansas City, Mo., assignor to Henry T. Nolan, Denver, Colo.
No Drawing. Application November 12, 1940, Serial No. 365,211
3 Claims. (Cl. 106—13)

1. A composition of the character described, comprising a true solution consisting of a mixture of 20 to 60 parts ethylene glycol, 8 to 10 parts glycerol, and 2 to 5 parts formaldehyde.

2,258,185
BOTTLE HOODING MACHINE
Norman W. Lyon, Springfield, Mass., assignor to Package Machinery Company, Springfield, Mass., a corporation of Massachusetts
Application April 12, 1939, Serial No. 267,459
21 Claims. (Cl. 226—83)

1. In a bottle hooding machine, a support for a hooded bottle, means for providing a supply of binding tape therefor, tape feeding means operable to project a tape end for engagement with a bottle on the support, an applicator finger rotatably carried around the bottle and operable to draw a length of tape from said supply and wrap said tape around the neck of the hooded bottle, a tape clamp non-rotatable with respect to the bottle and operated to clamp the projected tape end against the bottle while the applicator finger is drawing off and wrapping the tape around the bottle, said tape clamp also being operated to withdraw from said tape end as the applicator finger is completing its rotation, and a second tape clamp located part way around said bottle from the first-named tape clamp, said second tape clamp being operated to clamp said tape against the hooded bottle during the time the applicator finger is completing its rotation and the first-named tape clamp is withdrawn.



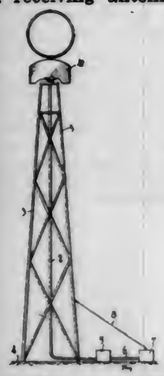
14. In a bottle hooding machine, a bottle support, a hood applying header, a rotatable spindle and tape applying means carried on said spindle for rotation around a bottle on said support, a reciprocable plunger in said spindle adapted to meet the top of a hooded bottle on the support and hold the hood thereon during the operation of said tape applying means, driving means for rotating said spindle and means controlled by said plunger when failing to meet a bottle on the support to render said driving means ineffective for rotation of said spindle, said plunger controlled means comprising clutch members normally tending to be engaged by a spring, a throw-out member for disengaging said clutch members and controlled in its position by said plunger, and a check stop device to limit the rebound stopping position of said spindle when the clutch members are disengaged.

16. In a bottle hooding machine, a rotatable turret carrying therewith bottle supports and cooperating headers for applying hoods to said bottles, web feeding mechanism located at a station past which said headers travel in the rotation of said turret, said web feeding mechanism being operable to extend a hood blank across the path of said traveling headers, movable fingers carried with each header and means to operate said fingers to clasp an extended hood blank against the header during its travel past the station of said web feeding mechanism.

2,258,186
SATELLITE STATION ANTENNA SYSTEM
James C. McNary and Joseph A. Chambers, Montgomery County, Md., assignors to Electronic Developments Corporation, a corporation of Maryland
Application March 9, 1939, Serial No. 260,874
12 Claims. (Cl. 250—15)

1. An antenna system for a satellite station

of the type in which the received and re-radiated waves are of the same frequency, said system comprising a sending antenna having adjacent thereto a field of minimum intensity, a receiving antenna for said station, and means adjustably mounting said receiving antenna in said field



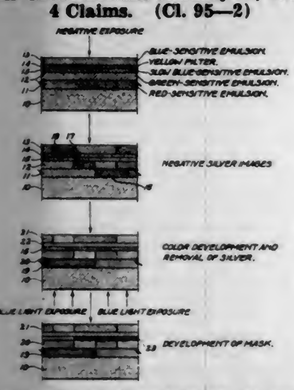
comprising a member supporting the receiving antenna, a second member mounting the first member for rectilinear movement thereon, a support for the second member, and means moving the second member on said support rectilinearly to the direction of the first named movement.

2,258,187

INTEGRAL MASK FOR MULTICOLOR FILM

Leopold D. Mannes, New York, N. Y., Leopold Godowsky, Jr., Westport, Conn., and Lot S. Wilder, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application May 15, 1941, Serial No. 393,580
In Great Britain January 15, 1940
4 Claims. (Cl. 95—2)



1. The method of preparing a multi-color printing element affording corrected color prints, which comprises exposing to an object to be photographed an element having a plurality of superposed emulsion layers sensitive to the primary colors, a yellow filter layer between the blue-sensitive layer and the remaining layers, and a blue-sensitive auxiliary layer behind the yellow filter layer, forming dye and silver images in said layers sensitive to the primary colors by exposure of said layers and color development and forming silver images in the portions of said layers where no dye images are formed, removing the metallic silver thus formed without affecting the dye images and the auxiliary layer, exposing said auxiliary layer through at least the cyan dye image with blue light, and developing a metallic silver image in said auxiliary layer.

2,258,188

VINYLIDENE CHLORIDE COMPOSITION STABLE TO LIGHT AND HEAT

Lorne A. Matheson, Raymond F. Boyer, and Stephen C. Stowe, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application September 19, 1940, Serial No. 357,406
4 Claims. (Cl. 260—80)

1. A composition of matter comprising a polymeric vinylidene chloride product and, as a stabilizing agent therefor, an allyl-type disulfide having the general formula

$$\left(\begin{array}{c} X\ X \\ | \quad | \\ R-C=C-CH_2 \end{array}\right)_2 S_2$$

wherein R is a member of the class consisting of hydrogen, the methyl and ethyl radicals, and each X individually is selected from the class consisting of hydrogen, methyl, ethyl, and halogen.

2,258,189

METHOD OF JOINING TYPE BLOCKS TO TYPE LEVERS OR TYPE BARS

Erich Meisner, Berlin-Schlachtensee, Germany, assignor to Alfred Ransmayer and Albert Rodrian, both of Berlin, Germany, an offene Handelsgesellschaft, partnership

Application December 15, 1937, Serial No. 179,914
In Germany January 6, 1937
1 Claim. (Cl. 113—112)



The method herein described of welding a type-block, having a tempered character-bearing anterior face and having a rearward-extending stem, to a type-bar, without impairing the hardness of said character-bearing face of the type-block, which consists in clamping the body of said type-block, at a point intermediate its character-bearing face and its stem, between and in thermal communication with two members of high heat conductivity, with the stem of the block secured in position against said type-bar, applying welding heat to the stem of the type-block and type-bar while diverting heat that would otherwise flow from the stem to the character-bearing face of the type-block through the bodies of said members of nigh heat conductivity.

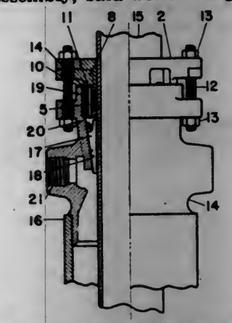
2,258,190

UNITARY PACKING AND GLAND STRUCTURE

Claude R. Neilon, Houston, Tex., assignor to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application September 4, 1940, Serial No. 355,349
1 Claim. (Cl. 285—22)

A packing and gland unit adapted for quick axial positioning around a tubing in an oil well casing head or the like having an internal shoulder and provided with bolt receiving exterior extensions, said unit including duplicate half-sections, each comprising half gland, packing, and follower ring elements, means to hold said elements together to form said sections, bolts to hold said half sections together to form a unitary cylindrical assembly, said bolts being elongated



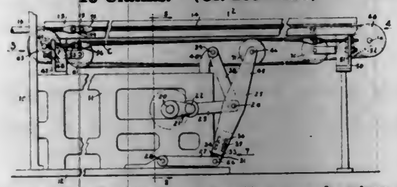
to pass through said casing head extensions, and nuts threaded on said bolts against said extensions, whereby the bolts serve to hold the half sections together and by reaction against said casing head extensions to compress the packing around the tubing in the casing head.

2,258,191

NEEDLE MOTION FOR LOOMS

Oscar V. Payne, Leicester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application September 2, 1939, Serial No. 293,184
15 Claims. (Cl. 139—123)



1. In a weft needle operating mechanism for a loom having a warp shed, a needle rail, a needle carriage slidable along the rail toward the shed, a pair of fixed pulleys, a third pulley, a cable attached at one end to the carriage and trained around the pulleys, means to move the third pulley toward and from said pair of fixed pulleys, and means to fix the other end of the cable relatively to the axis of the third pulley and thereby cause the cable to move around the pulleys in a direction to cause the carriage to move toward the warp shed when the pair and third pulley separate relatively to each other.

2,258,192

NEEDLE OPERATING MECHANISM FOR AXMINSTER LOOMS

Oscar V. Payne, Leicester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application October 28, 1940, Serial No. 363,129
15 Claims. (Cl. 139—124)

1. In a weft needle operating mechanism for a loom, a needle rail, a needle carriage to slide along the rail, a cable having an intermediate part thereof attached to the carrier, means to hold one end of the cable fixed, spaced stationary pulleys around which extend the parts of the cable leading from the carriage, a set of movable pulleys, the cable having parts extending from the stationary pulleys to and around the movable pulleys, means to reciprocate the set of movable pulleys in a direction toward and from the stationary pulleys to cause the carriage



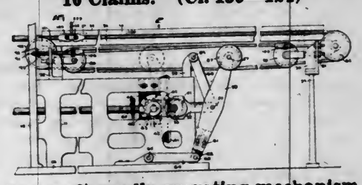
to reciprocate along the rail, and yielding means to anchor the other end of the cable, said yielding means normally maintaining tension in the cable to hold the latter constantly in close contact with the pulleys.

2,258,193

AXMINSTER NEEDLE MOTION AND THREAD CONTROL THEREFOR

Oscar V. Payne, Leicester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application February 8, 1941, Serial No. 378,041
10 Claims. (Cl. 139—124)



1. In a weft needle operating mechanism for a loom having a warp shed, a needle rail, a needle carriage to slide along the rail, a pair of spaced pulleys rotatable about fixed axes, a set of movable pulleys between the spaced pulleys, a cable attached to the carriage and trained around the pulleys, one end of the cable leading from the carriage around one of the spaced pulleys and then around a movable pulley, and the other end of the cable leading from the carriage around the other of the spaced pulleys and then around another movable pulley, means to hold the ends of the cable remote from the needle carriage fixed with respect to each other, a continuously rotating actuator, and a system of planetary gearing connecting the actuator and the movable pulleys to cause reciprocation of the carriage along the rail and effect a slower rate of reversal in the needle carriage motion when the latter is remote from the warp shed than when said carriage is adjacent to the warp shed.

2,258,194

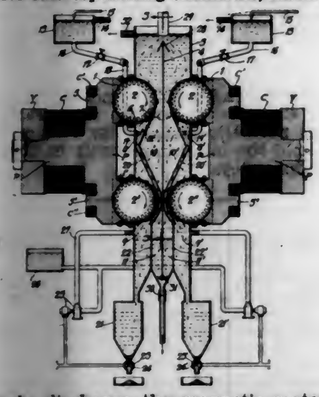
DUPLEX ELECTROMAGNETIC SEPARATOR DEVICE

Augustin Leon Jean Queneau, Bernardsville, N. J.

Application September 22, 1937, Serial No. 165,202
8 Claims. (Cl. 209—232)

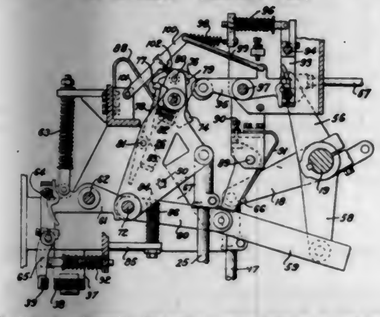
1. An electromagnetic separator device comprising a vertically sustained container, means to flow a suspension of materials under hydrostatic pressure downwardly through said container, means to project at least two vertically spaced electromagnetic fields through said container between opposite side walls of the container, vertically spaced slot openings in each side wall of said container, said openings being disposed in a position relative to the electromagnetic fields to lie in the lower portion of each said field, upper and lower separating chambers exteriorly of said container and communi-

cating with said slot openings, each said chamber being in substantially closed hydraulic circuit with the container, means to magnetically move the magnetically attracted particles in each said field downwardly along the inner surface of the container and through the said slot openings into said separating chambers, means to pro-



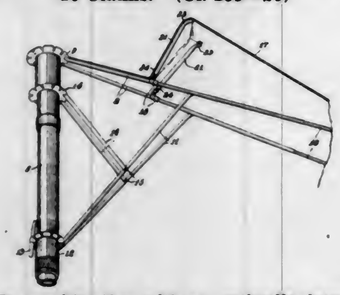
gressively discharge the magnetic material collecting in the upper separating chambers into the lower separating chambers without disturbing the closed hydraulic relationship of the chambers and container and means to remove the magnetic material from the lower separating chambers without disturbing the hydraulic relationship of the lower chambers and container.

2,258,195
CIRCUIT BREAKER MECHANISM
August C. Schwager, Millbrae, Calif., assignor to Pacific Electric Manufacturing Corporation, San Francisco, Calif., a corporation of California
Application October 25, 1940, Serial No. 362,745
10 Claims. (Cl. 200—89)



1. In a circuit breaker operating mechanism, a circuit breaker operating shaft rotatable between a circuit breaker open and closed position, spring means biasing said shaft into a circuit breaker open position, a toggle mechanism for rotating and holding said shaft into a circuit breaker closed position, a lever means pivotally mounted adjacent one end of and operable to extend said toggle mechanism, spring means for moving said lever means in a toggle mechanism extending direction, a tripable mechanism adapted to cause a collapse of said toggle mechanism, means for resetting said tripable means immediately after a collapse of said toggle mechanism, and a second tripable mechanism adapted to release said lever means subsequent to a collapse of said toggle mechanism, whereby upon a successive operation of said first and second tripable mechanisms the circuit breaker operating shaft will be rotated through a circuit breaker opening and a reclosing operation by said spring means.

2,258,196
UMBRELLA
John A. H. Siers, Jersey City, N. J.
Application January 11, 1941, Serial No. 374,037
10 Claims. (Cl. 135—26)



1. In combination with an umbrella frame pivotally connected with a staff, said frame having radially extensible and collapsible ribs, a cover material on said ribs and means for opening and closing said frame; means carried by said frame and coacting with the cover material to radially fold a section thereof upon itself in the closing movement of the frame.

2,258,197
SAFETY RAZOR BLADE
David Strauss, Rochester, N. Y., assignor of one-half to Julius Simon, Rochester, N. Y.
Application November 22, 1939, Serial No. 305,727
3 Claims. (Cl. 30—351)

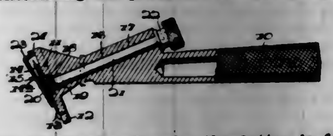


1. A thin, flat, generally rectangular, spring-steel blade for safety razors having a centrally disposed opening in the body thereof, said blade being formed with longitudinally extending opposed and aligned fingers projecting inwardly toward the center of the blade from opposite sides of said opening, said fingers being spaced from each other and for their major portions being spaced from adjacent portions of the edges of said opening and lying in the plane of the body of the blade, said fingers being sufficiently narrow as to be capable of flexing in the plane of the blade and of returning to their normal position due to their inherent resiliency.

2,258,198
SAFETY RAZOR
David Strauss, Rochester, N. Y., assignor of one-half to Julius Simon, Rochester, N. Y.
Application November 22, 1939, Serial No. 305,726
11 Claims. (Cl. 30—63)

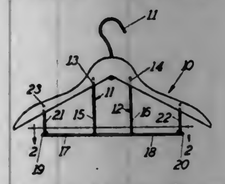
1. A safety razor comprising a handle, a blade supporting head at one end of the handle having an upper blade supporting surface and a guard

along one side thereof, a blade slidably supported on said surface and having a centrally located opening, a cover plate overlying the blade having a flange engaging the opposite edge of the head and a hollow internally threaded boss extending into engagement with a portion of the head through the opening of the blade and limiting movement of the cover plate toward the head and maintaining the plate in non-clamping rela-



tion with the blade whereby the latter is free to slidably shift on the head toward and away from the guard, a stem rotatable through a portion of the handle and through the head having a threaded end for engagement in the threaded boss of the cover plate to clamp the latter in connection with the head, and spring means for resiliently restraining sliding movements of the blade with respect to the guard.

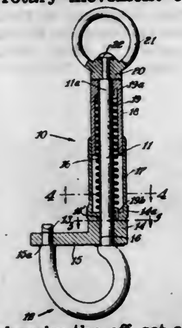
2,258,199
GARMENT HANGER
Werdon H. Allen, South Montrose, Pa.
Application June 18, 1938, Serial No. 214,532
3 Claims. (Cl. 223—91)



1. In a garment hanger, in combination, a coat supporting member provided with a hook, a pair of bent wire members, each having one of its ends secured to the underside of said hanger, the said ends of each being adjacent the central portion of said hanger, but being spaced a substantial distance apart, and an additional member having a horizontal portion of substantial length secured at its ends to said hanger adjacent its extremities, said first mentioned members being secured to said additional member at points adjacent the termination of said horizontal portion to form an additional garment support.

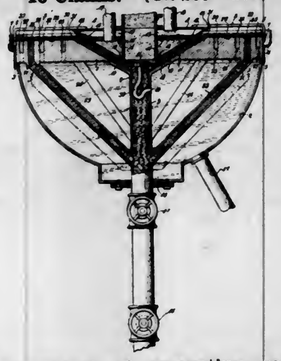
2,258,200
SNAP HOOK
John C. Baird, Sugar Loaf, N. Y.
Application April 19, 1940, Serial No. 330,597
4 Claims. (Cl. 24—242)

4. A snap hook, comprising a keeper provided with a transverse elongated opening at one end, a laterally extending cylindrical member carried by the opposite end of the keeper, a shank extending through the cylindrical member and turned upwardly to form a hook at its free end provided with an off-set catch element co-operating with the transverse elongated opening in the keeper, a sleeve surrounding the upper end of the shank and extending into the cylindrical member, an eye swivelled on the shank above the sleeve, a coiled expanding spring surrounding the shank and having one end connected to the sleeve and the opposite end connected to the cylindrical member, and a spline and groove connection between the member and the shank for limiting the rotary movement of the shank in



the keeper, whereby the off-set catch element on the hook overlies the upper face of the keeper.

2,258,201
APPARATUS AND METHOD FOR SEPARATING VALUES FROM VALUE-BEARING MATERIALS
Benjamin Bromberg, Fairbanks, Territory of Alaska
Application December 8, 1938, Serial No. 244,875
13 Claims. (Cl. 209—174)

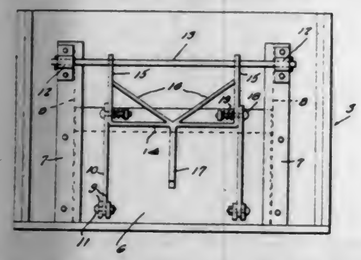


1. The method of separating values from value-bearing materials which comprises, feeding concentrates onto a body of mercury, mixing water with said concentrates at the surface of said body of mercury to flow the same in the form of a stream, maintaining at least a portion of said body of mercury in an inclined position, and causing said concentrates to travel upwardly over the upper surface of the inclined portion of the mercury.

2,258,202
LUBRICANT
Leo G. Burns, Osage, Wyo., assignor of one-fourth to Earl Whedon, one-fourth to Levi S. Howes, and one-fourth to John J. Bentley, all of Sheridan, Wyo.
No Drawing. Application May 16, 1940, Serial No. 335,613
2 Claims. (Cl. 252—29)

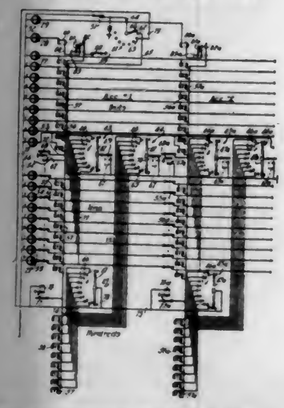
1. A lubricant including graphite in the amount of substantially two parts in a hundred, bentonite in the amount of substantially ninety-eight parts in a hundred, and water in sufficient amount to render the mixture of graphite and bentonite free flowing.

2,258,203
ENDGATE
George F. Conover, Wolford, N. Dak., assignor of one-half to Leon G. Conover, Wolford, N. Dak.
Application November 12, 1940, Serial No. 365,340
1 Claim. (Cl. 296—52)



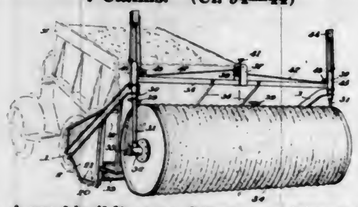
In an end gate operating device, a horizontal rotatably supported shaft located above and slightly laterally of a vertically slidable end gate, a substantially U-shaped frame including parallel arm portions secured to said shaft and a straight connecting portion joining said arm portions, a handle formed on said connecting portion and extending angularly to the plane of said arm portions, and arcuately curved link members detachably, pivotally and yieldably connected to the arm portions adjacent to the connecting portion and pivoted on the end gate adjacent the latter's lower edge.

2,258,204
ACCOUNTING MACHINE
Merle E. Gould, Greenwich, Conn., assignor to Photoelectric Business Machines, Inc., New York, N. Y., a corporation of Delaware
Application March 12, 1940, Serial No. 323,499
3 Claims. (Cl. 235—133)



1. In an accounting machine, in combination, an accumulator comprising a plurality of main denominational-order wheels; actuators for effecting differential value movements of said accumulator wheels; denominational setting elements for controlling the said actuators; carry-over storage devices for each of said main denominational-order wheels, each of said devices comprising a plurality of settable denominational-order storage units and having supplementary carry-over devices between lower order storage units and next higher order units, whereby to store up any number of carry-overs from any accumulator wheel during a continuous run of entries of amounts in the main accumulator; means on each main denominational-order wheel for causing a unit advance of the related carry-over storage device when said wheel passes from 9 to 0; and read-out mechanism for transferring in sequence, first from all of the units of the storage device for the lowest order to the wheels of higher order in the main accumulator, then from all of the units of the storage device for the next order to the wheels of higher denominational order in the main accumulator whereby to bring the main accumulator to a correct final reading of the total of the said continuous run of amount entries.

2,258,205
ROAD BUILDING MACHINE
Peter B. Halvorson, Rochester, Minn.
Application January 8, 1940, Serial No. 313,010
7 Claims. (Cl. 94—44)



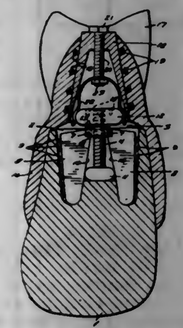
1. A road building machine comprising a frame, an open bottom hopper secured to the frame, supporting means for the hopper at one end of the frame, a supporting roller at the other end of said frame and spaced from the hopper, an operator's platform suspended below said frame between said hopper and roller, and adjustable lifting means between said frame and roller and operable from said platform for regulating the elevation of said hopper.

2,258,206
COMBINATION PAY CHECK WITH ATTACHED RECEIPT
George V. Hastings, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application January 2, 1941, Serial No. 372,910
9 Claims. (Cl. 282—27)



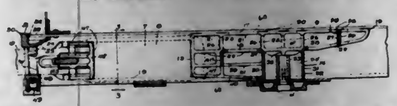
4. A combination pay check, receipt and stub, said stub and check being formed of a single strip separated by a perforated line which renders the stub readily detachable, said receipt being positioned behind said check and attached to one edge thereof, a sheet of carbon paper interleaved face downwardly between said check and receipt, appropriately designated spaces on said receipt registering with appropriately designated spaces on said check for receiving an imprint of the amount and other data written in said spaces on the check, the appropriately designated space for the employee's signature on said receipt registering with the appropriately designated space for the signature of the employer company authorized signer on said check, the portion of said interleaved carbon paper between said last mentioned spaces being cut away to prevent imprinting the signature of the employer company authorized signer on said receipt, and appropriately designated columnar spaces on said stub for data relating to the amount of the check, said columnar spaces being in horizontal alignment with the appropriately designated space on said check for the amount.

2,258,207
ARTIFICIAL DENTURE RETAINER
Glenn D. Irwin, Terre Haute, Ind.
Application March 18, 1941, Serial No. 383,994
2 Claims. (Cl. 32—2)



1. In an artificial denture, an anchoring unit adapted to be mounted in a tooth socket in a jaw bone and comprising a threaded shank, a nut threadedly mounted on said shank, jaws pivotally mounted on the nut and engageable with the walls of the tooth socket for securing the anchoring unit therein, a disk on the shank for spreading the jaws into engagement with the socket walls, a head mounted on the shank, a denture saddle, and means for connecting said saddle to the head.

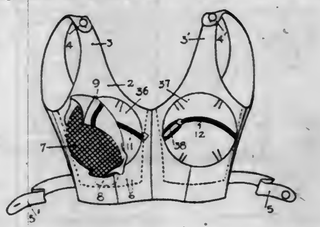
2,258,208
DRAFT ATTACHMENT FOR RAILWAY CARS
George T. Johnson, Columbus, Ohio, assignor to The Buckeye Steel Castings Company, Columbus, Ohio
Application March 3, 1938, Serial No. 193,783
15 Claims. (Cl. 105—420)



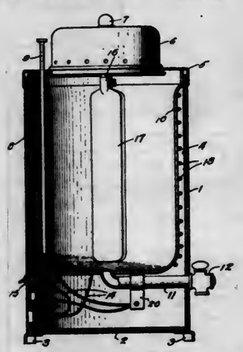
1. In a draft structure for railway cars or the like, center sills having spaced walls, and a combined bolster center filler and rear draft lug casting arranged in the sills and having edge portions terminating at the inner surface of the center sills and united with the sills by welding.

2,258,209
BREAST FORM AND BRASSIÈRE
Stella De Jorio, La Canada, Calif.
Application May 20, 1936, Serial No. 80,799
3 Claims. (Cl. 128—282)

1. In a garment, a breast receiving member and a trough, said trough adapted to be located below and in peripheral relation thereto, a pad comprising a plurality of alternate layers of absorbent and impervious material shaped to resemble an entire human breast, a reservoir distinctly formed in said trough below the periphery of said breast receiving member, an arm of absorbent material formed integral with said pad extending downwardly and adapted to be received in said reservoir, an aperture located in front and on each side of said garment, means for opening and closing said apertures, said means positioned in an arc over the center of the pad.



2,258,210
CHOCOLATE SERVING URN
Joseph R. Maxwell, Philadelphia, Pa., assignor to Stephen F. Whitman & Son, Inc., Philadelphia, Pa.
Application January 4, 1941, Serial No. 373,172
3 Claims. (Cl. 219—43)

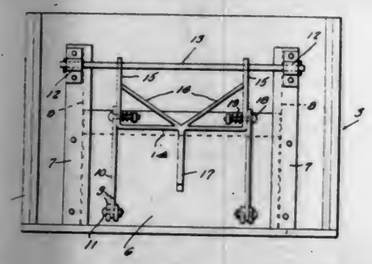


1. A chocolate cooker comprising a heat insulated container, a liquid container suspended therein, a conduit extending from the bottom of the liquid container to the exterior of the insulated container with closure means on its outer end, a closure for the space between the containers, a closure for the liquid container comprising a housing for a motor, a motor operated paddle suspended from said closure, a heating coil surrounding the liquid container, in the space between the containers and electrical circuit means including the paddle motor and heating coil, a switch and thermostatic control means as specified.

2,258,211
TYPEWRITING MACHINE
William O. Michelsen, Woodhaven, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a corporation of New York
Application March 9, 1939, Serial No. 260,841
27 Claims. (Cl. 197—66)

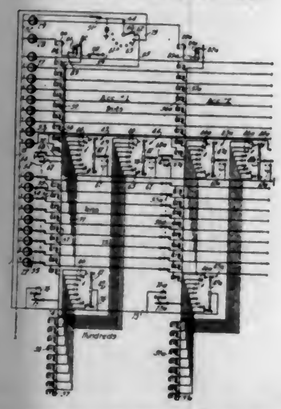
12. In a typewriting machine, a frame; a carriage mounted thereon for letter spacing and return movements; a motive shaft; carriage return drive connections including a driving clutch between said shaft and the carriage;

2,258,203
ENDGATE
George F. Conover, Wolford, N. Dak., assignor of one-half to Leon G. Conover, Wolford, N. Dak.
Application November 12, 1940, Serial No. 365,340
1 Claim. (Cl. 296—52)



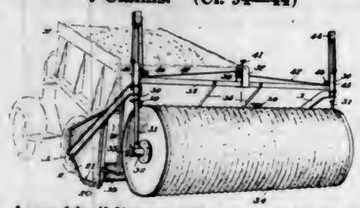
In an end gate operating device, a horizontal rotatably supported shaft located above and slightly laterally of a vertically slidable end gate, a substantially U-shaped frame including parallel arm portions secured to said shaft and a straight connecting portion joining said arm portions, a handle formed on said connecting portion and extending angularly to the plane of said arm portions, and arcuately curved link members detachably, pivotally and yieldably connected to the arm portions adjacent to the connecting portion and pivoted on the end gate adjacent the latter's lower edge.

2,258,204
ACCOUNTING MACHINE
Merle E. Gould, Greenwich, Conn., assignor to Photoelectric Business Machines, Inc., New York, N. Y., a corporation of Delaware
Application March 12, 1940, Serial No. 323,499
3 Claims. (Cl. 235—133)



1. In an accounting machine, in combination, an accumulator comprising a plurality of main denominational-order wheels; actuators for effecting differential value movements of said accumulator wheels; denominational setting elements for controlling the said actuators; carry-over storage devices for each of said main denominational-order wheels, each of said devices comprising a plurality of settable denominational-order storage units and having supplementary carry-over devices between lower order storage units and next higher order units, whereby to store up any number of carry-overs from any accumulator wheel during a continuous run of entries of amounts in the main accumulator; means on each main denominational-order wheel for causing a unit advance of the related carry-over storage device when said wheel passes from 9 to 0; and read-out mechanism for transferring in sequence, first from all of the units of the storage device for the lowest order to the wheels of higher order in the main accumulator, then from all of the units of the storage device for the next order to the wheels of higher denominational order in the main accumulator whereby to bring the main accumulator to a correct final reading of the total of the said continuous run of amount entries.

2,258,205
ROAD BUILDING MACHINE
Peter B. Halvorson, Rochester, Minn.
Application January 8, 1940, Serial No. 313,010
7 Claims. (Cl. 94—44)



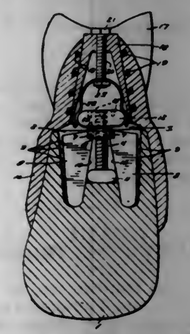
1. A road building machine comprising a frame, an open bottom hopper secured to the frame, supporting means for the hopper at one end of the frame, a supporting roller at the other end of said frame and spaced from the hopper, an operator's platform suspended below said frame between said hopper and roller, and adjustable lifting means between said frame and roller and operable from said platform for regulating the elevation of said hopper.

2,258,206
COMBINATION PAY CHECK WITH ATTACHED RECEIPT
George V. Hastings, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application January 2, 1941, Serial No. 372,910
9 Claims. (Cl. 282—27)



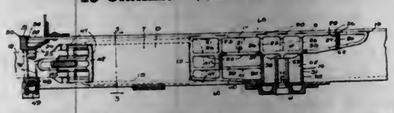
4. A combination pay check, receipt and stub, said stub and check being formed of a single strip separated by a perforated line which renders the stub readily detachable, said receipt being positioned behind said check and attached to one edge thereof, a sheet of carbon paper interleaved face downwardly between said check and receipt, appropriately designated spaces on said receipt registering with appropriately designated spaces on said check for receiving an imprint of the amount and other data written in said spaces on the check, the appropriately designated space for the employee's signature on said receipt registering with the appropriately designated space for the signature of the employer company authorized signer on said check, the portion of said interleaved carbon paper between said last mentioned spaces being cut away to prevent imprinting the signature of the employer company authorized signer on said receipt, and appropriately designated columnar spaces on said stub for data relating to the amount of the check, said columnar spaces being in horizontal alignment with the appropriately designated space on said check for the amount.

2,258,207
ARTIFICIAL DENTURE RETAINER
Glenn D. Irwin, Terre Haute, Ind.
Application March 18, 1941, Serial No. 383,994
2 Claims. (Cl. 32—2)



1. In an artificial denture, an anchoring unit adapted to be mounted in a tooth socket in a jaw bone and comprising a threaded shank, a nut threadedly mounted on said shank, jaws pivotally mounted on the nut and engageable with the walls of the tooth socket for securing the anchoring unit therein, a disk on the shank for spreading the jaws into engagement with the socket walls, a head mounted on the shank, a denture saddle, and means for connecting said saddle to the head.

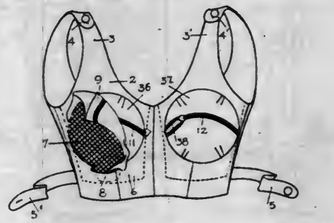
2,258,208
DRAFT ATTACHMENT FOR RAILWAY CARS
George T. Johnson, Columbus, Ohio, assignor to The Buckeye Steel Castings Company, Columbus, Ohio
Application March 3, 1938, Serial No. 193,783
15 Claims. (Cl. 105—420)



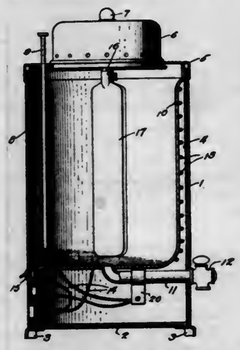
1. In a draft structure for railway cars or the like, center sills having spaced walls, and a combined bolster center filler and rear draft lug casting arranged in the sills and having edge portions terminating at the inner surface of the center sills and united with the sills by welding.

2,258,209
BREAST FORM AND BRASSIÈRE
Stella De Jorio, La Canada, Calif.
Application May 20, 1936, Serial No. 80,799
3 Claims. (Cl. 128—282)

1. In a garment, a breast receiving member and a trough, said trough adapted to be located below and in peripheral relation thereto, a pad comprising a plurality of alternate layers of absorbent and impervious material shaped to resemble an entire human breast, a reservoir distinctly formed in said trough below the periphery of said breast receiving member, an arm of absorbent material formed integral with said pad extending downwardly and adapted to be received in said reservoir, an aperture located in front and on each side of said garment, means for opening and closing said apertures, said means positioned in an arc over the center of the pad.



2,258,210
CHOCOLATE SERVING URN
Joseph R. Maxwell, Philadelphia, Pa., assignor to Stephen F. Whitman & Son, Inc., Philadelphia, Pa.
Application January 4, 1941, Serial No. 373,172
3 Claims. (Cl. 219—43)

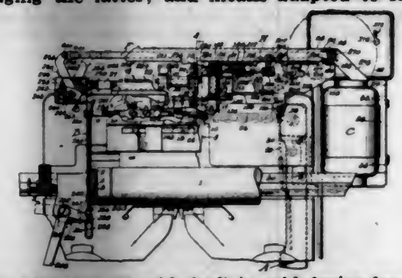


1. A chocolate cooker comprising a heat insulated container, a liquid container suspended therein, a conduit extending from the bottom of the liquid container to the exterior of the insulated container with closure means on its outer end, a closure for the space between the containers, a closure for the liquid container comprising a housing for a motor, a motor operated paddle suspended from said closure, a heating coil surrounding the liquid container, in the space between the containers and electrical circuit means including the paddle motor and heating coil, a switch and thermostatic control means as specified.

2,258,211
TYPEWRITING MACHINE
William O. Michelsen, Woodhaven, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a corporation of New York
Application March 9, 1939, Serial No. 260,841
27 Claims. (Cl. 197—66)

12. In a typewriting machine, a frame; a carriage mounted thereon for letter spacing and return movements; a motive shaft; carriage return drive connections including a driving clutch between said shaft and the carriage;

a device connected to said clutch for disengaging the latter; and means adapted to frictionally connect said shaft to said device for effecting clutch disengagement.

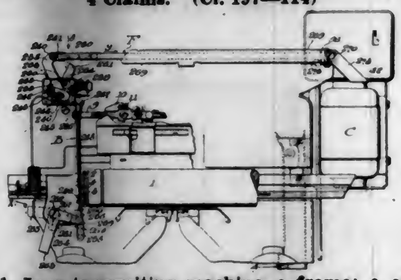


2,258,212

TYPEWRITING MACHINE

William O. Michelsen, Woodhaven, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a corporation of New York

Original application March 9, 1939, Serial No. 260,841. Divided and this application September 5, 1940, Serial No. 355,532
4 Claims. (Cl. 197—114)



1. In a typewriting machine, a frame; a carriage mounted thereon for letter-spacing and return movements; a platen mounted on the carriage for line-spacing movements; line-spacing mechanism connected to said platen; power-operated means connected to said line-spacing mechanism for operating the latter; a manually operable line-spacing lever; a link pivotally connected to said mechanism and being formed with a slot; and a pin on said line-spacing lever extending into and being slidable in said slot and cooperable with one end thereof to provide lost motion connection between said link and said lever.

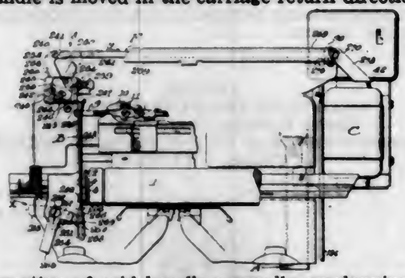
2,258,213

TYPEWRITING MACHINE

William O. Michelsen, Woodhaven, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a corporation of New York

Original application March 9, 1939, Serial No. 260,841. Divided and this application September 5, 1940, Serial No. 355,533
5 Claims. (Cl. 197—114)

1. In a typewriting machine of the class including a frame, a carriage mounted thereon for letter spacing and return movements, power operated means for effecting carriage return movements, and a platen mounted on the carriage for line spacing movements; a line spacing lever handle pivotally mounted on the carriage; a line space lever arm also pivotally mounted on the carriage and being operatively connected to the platen; a pressure face on said handle adapted to bear against said arm to move the latter and effect line spacing movement of the platen only when the handle is moved in the carriage return direction,



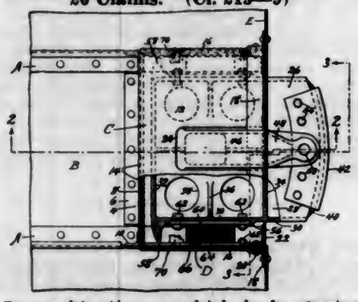
a portion of said handle normally overlapping a portion of said arm; and yieldably urged means interposed between said overlapping portions for releasably maintaining said arm and handle in fixed relative positions.

2,258,214

ELASTICALLY CONNECTED MINE CAR BUMPER

Herman H. Pancake, Huntington, W. Va., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey

Application May 25, 1937, Serial No. 144,605
20 Claims. (Cl. 213—9)



1. In combination, a vehicle body construction comprising in part, spaced upright walls rigid with the vehicle body, a substantially horizontal lower supporting plate connecting said upright walls, bumper and coupling means supported on said lower plate for movement relative thereto, and non-metallic cushioning elements secured to said means and to said upright walls and acting in shear to resist longitudinal movements of the said bumper and coupler means and in compression to resist lateral movements thereof.

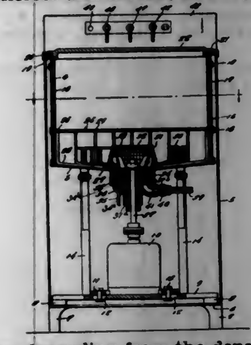
2,258,215

WASHER AND DRIER

Warren C. Paulson and Albert Kelley, International Falls, Minn.

Application August 10, 1939, Serial No. 289,468
1 Claim. (Cl. 141—9)

A washing apparatus comprising a tub provided with a relatively small pocket in the bottom thereof, a fitting structure depending from the bottom of the pocket and consisting of a packing gland and a laterally disposed formation having a drain duct therethrough, a drive shaft disposed through the packing gland and upwardly through the pocket, an annular heating unit circumscribing the drive shaft and located in the pocket, an impeller at the upper end of the drive shaft just above the pocket, a spacing sleeve disposed through the annular heating unit and spaced therefrom and being interposed between the bottom of the pocket and said impeller, said heating unit being provided with a short depending formation adapted to rest on the bottom of the pocket to space the heating unit from the bottom of the pocket, said heating unit being of a size permitting a space to exist between the side portion thereof and the side of the pocket, a plug



formation depending from the depending formation on the heating unit and adapted to extend through an opening in the bottom of the pocket to depend a distance below the bottom of the pocket and through an opening in the fitting, a nut on the plug formation adapted to be fed against the fitting to hold the fitting and pocket together, said plug formation and formation depending from the heating unit having a conductor duct therethrough, and a drain conduit extending from the said laterally disposed formation of the fitting.

2,258,216

PROCESS FOR REMOVAL OF METALLIC IMPURITIES FROM WINES AND OTHER ACID BEVERAGES

William D. Ramage, Berkeley, Calif.

No Drawing. Application November 14, 1938, Serial No. 240,338
7 Claims. (Cl. 99—48)

2. A process for removing soluble iron from wine which comprises partially neutralizing the wine, contacting the wine with a zeolite whereby soluble iron is removed from the wine by base exchange and then contacting the wine with a carbonaceous hydrogen zeolite whereby the acidity of the wine is increased to substantially the acidity of the untreated wine.

7. A process of treating an acid beverage which comprises contacting the acid beverage with a zeolite containing excess alkali whereby the acidity and the metallic impurities of the acid beverage are reduced and then contacting the beverage with a carbonaceous hydrogen zeolite whereby the acidity of said beverage is increased to substantially the original acidity of the acid beverage.

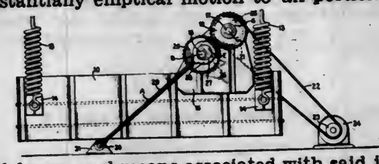
2,258,217

GYRATORY APPARATUS

Samuel D. Robins, New York, N. Y., assignor to Robins Conveying Belt Company, New York, N. Y., a corporation of New York

Application April 11, 1940, Serial No. 329,091
30 Claims. (Cl. 74—61)

1. A resiliently supported gyrating frame, bearings mounted on said frame, means journaled in said bearings for transmitting forces therethrough to said frame for imparting a uniform substantially elliptical motion to all portions of



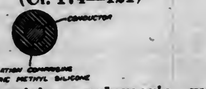
said frame, and means associated with said journaled means for positively controlling the displacement of said frame in the general direction of the major axis of said elliptical motion.

2,258,218

METHYL SILICONES AND RELATED PRODUCTS

Eugene G. Rochow, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application August 1, 1939, Serial No. 287,787
20 Claims. (Cl. 174—121)



3. A product comprising polymeric methyl silicone having in its molecule an average of from approximately one to approximately two methyl groups for each silicon atom.

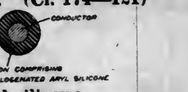
14. An insulated electrical conductor comprising a metallic conductor and insulation thereon comprising a mass of glass fibers coated and at least partly impregnated with polymeric methyl silicone.

2,258,219

HALOGENATED ARYL SILICONES

Eugene G. Rochow, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application September 27, 1939, Serial No. 296,819
22 Claims. (Cl. 174—121)



2. Halogenated aryl silicone.

16. An insulated electrical conductor comprising a metallic conductor and insulation thereon comprising polymeric halogenated aryl silicone.

2,258,220

RESINOUS MATERIALS AND INSULATED CONDUCTORS AND OTHER PRODUCTS UTILIZING THE SAME

Eugene G. Rochow, West Albany, N. Y., assignor to General Electric Company, a corporation of New York

Application April 27, 1940, Serial No. 332,097
17 Claims. (Cl. 174—121)



1. A composition comprising a substance corresponding to the formula

$$(C_2H_5)_2SiO_{\frac{4-x}{2}}$$

where x is a number between 0.5 and 1.5.

16. An electrical cable comprising a metallic

conductor and insulation thereon comprising an intimate association of fibrous inorganic material and a composition comprising a product of dehydration of different ethyl silicols, said product having a unit structure corresponding to the formula

$$(C_2H_5)_xSiO_{\frac{4-x}{2}}$$

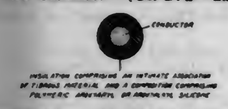
where x is a number between 0.5 and 1.5.

2,258,221

AROXY SILICONES AND INSULATED CONDUCTORS AND OTHER PRODUCTS UTILIZING THE SAME

Eugene G. Rochow, West Albany, N. Y., assignor to General Electric Company, a corporation of New York

Application April 27, 1940, Serial No. 332,098
20 Claims. (Cl. 174—121)



1. A composition of matter comprising a chemical compound having the formula R_2SiO where R is A—O—A', A is an aryl radical and A' is a member of the class consisting of alkyl and aryl radicals.

19. An electrical cable comprising a metallic conductor and insulation thereon comprising an intimate association of fibrous inorganic material and a composition comprising a polymeric aroxyaryl silicone.

2,258,222

METHYL ARYL SILICONES AND INSULATED CONDUCTORS AND OTHER PRODUCTS UTILIZING THE SAME

Eugene G. Rochow, West Albany, N. Y., assignor to General Electric Company, a corporation of New York

Application April 27, 1940, Serial No. 332,099
27 Claims. (Cl. 174—121)



1. A composition of matter comprising methyl aryl silicone.

25. An insulated electrical conductor comprising a metallic conductor and insulation thereon comprising glass fibers associated with a composition comprising a polymeric methyl phenyl silicone.

2,258,223

MOUNTING OF CYLINDRICAL LENSES

Lawrence T. Sachtleben, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application November 30, 1939, Serial No. 306,849
7 Claims. (Cl. 88—57)



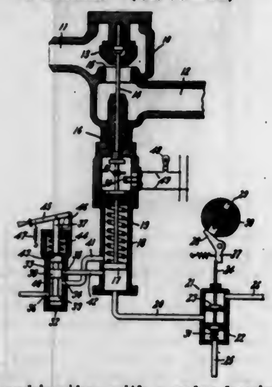
1. In combination, a plurality of cylindrical lens mounts each having a groove in the side thereof in predetermined circumferential relation to the corresponding groove in each of the other mounts, a tubular member adapted to receive said mounts and having a groove therein complementary to the grooves in said mounts, and a single member adapted to fit said complementary grooves for maintaining all of said mounts in alignment in said tube.

2,258,224

VALVE TESTING APPARATUS

Raymond Sheppard, Niskayuna, N. Y., assignor to General Electric Company, a corporation of New York

Application July 8, 1938, Serial No. 218,247
6 Claims. (Cl. 73—51)



1. The combination with a valve having a stem and a fluid pressure operated servo motor having a piston connected to the stem, of means connected to the servo motor for testing the movability of the stem without causing complete closing of the valve, said means comprising a valved bypass connected to the motor on opposite sides of the piston for effecting a limited variation of fluid pressure in the servo motor.

2,258,225

SPROCKET

Horace H. Shores, Cottondale, Fla.

Application May 12, 1941, Serial No. 393,094
1 Claim. (Cl. 74—243)



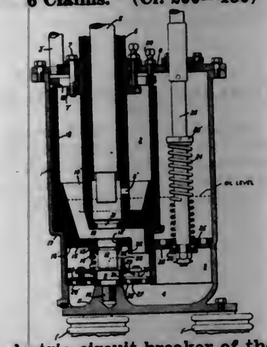
A sprocket comprising a body including a hub and integral spokes radiating from said hub, a ring mounted on the body, said ring having transversely extending grooves in its inner circumference for the reception of the free end portions of the spokes, said ring further having a circumferentially extending channel in its periphery, a plurality of toothed rim segments mounted on the ring, integral ribs in the rim segments engaged in the channel, and means detachably securing the rim segments in position on the ring.

2,258,226

ELECTRIC CIRCUIT BREAKER

Wilfred F. Skeats, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York

Application September 13, 1939, Serial No. 294,644
6 Claims. (Cl. 200—150)



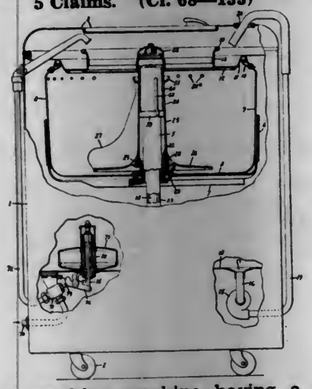
1. An electric circuit breaker of the fluid blast type comprising relatively movable contact structure arranged to form two breaks in series, an arc extinguishing liquid in which said breaks are formed, baffle structure for directing a liquid blast under influence of the arc pressure generated at one of said breaks through the other break to extinguish arcing, means adjacent to said pressure generating arc for initially deflecting said liquid blast and the gas formed thereat, and additional means associated with said baffle for pocketing gas so deflected so that it is isolated with respect to said arc interrupting liquid blast.

2,258,227

WASHING MACHINE

Charles K. Skinner, Southport, Conn., assignor to General Electric Company, a corporation of New York

Application December 10, 1940, Serial No. 369,418
5 Claims. (Cl. 68—133)



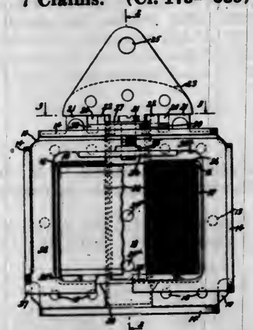
1. In a washing machine having a clothes receptacle to be filled to a plurality of liquid levels, an agitator therein having a tubular body, drain passages leading from within said body to the outside of the receptacle, openings in the side walls of the body at a plurality of liquid levels in the receptacle, and a valve within said body for selectively closing the openings below the desired liquid level.

2,258,228

SOLENOID DEVICE

Allen G. Stimson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application November 8, 1939, Serial No. 303,342
7 Claims. (Cl. 175—338)



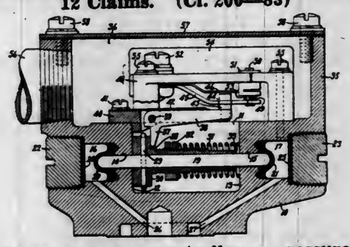
7. A solenoid device comprising a rectangular magnetic frame provided with a rectangular opening and with one leg discontinuous, outwardly extending clamping flanges secured to opposite sides of said discontinuous leg, a pair of rectangular coil supporting members, means slidably securing said coil supporting members on opposite sides of said frame for movement toward and away from said clamping flanges, said coil supporting members being each provided with an opening communicating with the opening in said magnet frame, an outwardly extending flange on the end of each of said coil supporting members remote from said discontinuous leg and adjacent the opening in said magnet frame, a coil in the openings in said magnet frame and said coil supporting members, a pair of oppositely disposed guide members extending through said coil and between the ends of said discontinuous leg, said guide members each having a flange overlapping one of said clamping flanges, and screw clamping means extending through each of said clamping flanges for securing said guide members to said clamping flanges and for drawing said coil supporting members slidably toward said clamping flanges thereby to clamp said coil against said discontinuous leg.

2,258,229

PRESSURE RESPONSIVE DEVICE

Laurens A. Taylor, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

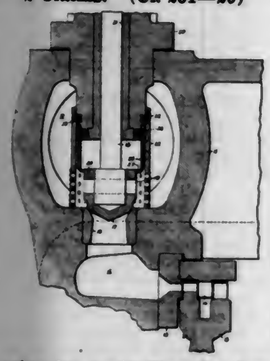
Application April 28, 1939, Serial No. 270,603
12 Claims. (Cl. 200—83)



1. In an electrical controller, a pressure operated mechanism comprising a housing, a cylindrical bore through said housing, a plunger fitted and slidably arranged in said bore, a chamber in

said housing concentric with one end of said bore, means for biasing said plunger so that the end thereof projects into said chamber a predetermined distance, a diaphragm of relatively flexible molded material molded to the inner end wall and to the side wall of said chamber and loosely engaging the end of said plunger without being bonded thereto, and means for admitting fluid under pressure to said chamber whereby said diaphragm is forced against said plunger to actuate said plunger in accordance with the fluid pressure.

2,258,230
VALVE
Glenn B. Warren, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 14, 1939, Serial No. 294,891
2 Claims. (Cl. 251—29)



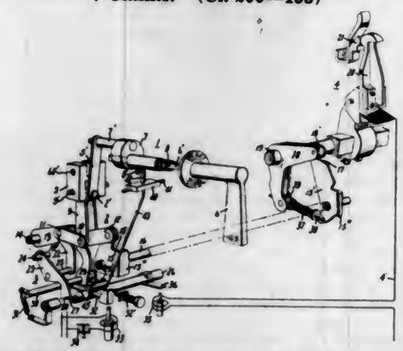
1. In a valve for controlling the flow of high-pressure high-temperature fluid and having a stationary casing member forming a chamber with inlet and outlet openings and a valve seat, a bushing secured to the casing member and projecting into the chamber, and a movable valve member having a valve disk for cooperation with the seat and a stem rigidly supporting the disk and having sliding clearance with the bushing, the provision of means for protecting a portion of the stem within the chamber from fluid flowing therethrough to reduce the formation of deposits on such portion and to reduce access of solid matter into the clearance between the stem and the bushing, said means comprising a shield within the chamber secured to one of the members and having a portion forming a knife edge in substantial engagement with the other member.

2,258,231
FUSE HOLDER
Milton Alden, Brockton, Mass.
Application February 15, 1941, Serial No. 379,021
4 Claims. (Cl. 200—133)



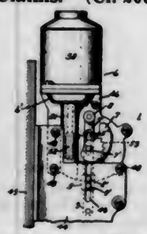
1. A fuse holder of the kind described including an insulating tubular housing having a lateral opening, a fuse clip in said housing at one end thereof, a lug connected to said clip and protruding exteriorly of the housing for connection with a conductor, a metallic socket insertable in said housing at its other end, a fuse clip removably connected to said socket and adjustable therealong and a wiring lug secured to said metallic socket and adapted to pass through said lateral opening upon insertion of the socket into the housing and coacting means on the housing and latter wiring lug to prevent accidental withdrawal of the metallic socket.

2,258,232
CIRCUIT BREAKER OPERATING MECHANISM
Winfield A. Atwood, Yeadon, and Joseph W. Seaman, Upper Darby, Pa., assignors to General Electric Company, a corporation of New York
Application February 23, 1939, Serial No. 257,914
7 Claims. (Cl. 200—153)



1. Circuit breaker operating mechanism comprising a supporting frame including a pair of spaced plate-like side members, thrust transmitting linkage mounted in said frame between said plate members, a member guided for reciprocal movement between said plate members for actuating said linkage, said frame at its top portion being adapted to receive in interchangeable relation an actuating unit for reciprocating said member, means for detachably mounting said unit in said frame so that it can be lifted and replaced or interchanged independently of said thrust transmitting linkage, and means for directly connecting said unit to said guide member without removal of said member from said frame.

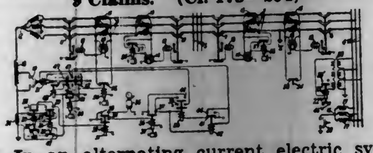
2,258,233
MOTOR OPERATED CIRCUIT BREAKER MECHANISM
Winfield A. Atwood, Yeadon, and Joseph W. Seaman, Upper Darby, Pa., assignors to General Electric Company, a corporation of New York
Original application February 23, 1939, Serial No. 257,914. Divided and this application April 24, 1941, Serial No. 390,184
4 Claims. (Cl. 200—92)



1. Circuit breaker operating mechanism com-

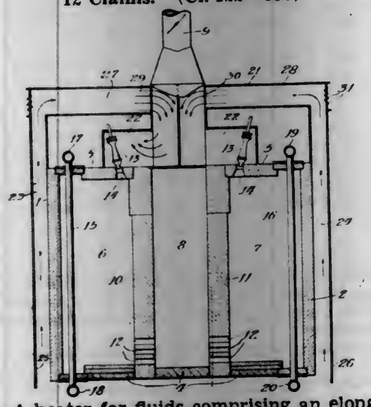
prising a supporting frame, thrust transmitting means mounted in said frame, a member guided for reciprocal rectilinear movement in said frame for actuating said thrust transmitting means, and an electric motor actuating unit adapted to be mounted in said frame in detachable interchangeable relation thereto, said unit including a cam disposed in operative relation to said retilinear guided member.

2,258,234
PROTECTION OF ALTERNATING CURRENT ELECTRIC SYSTEMS
Elbert H. Bancker, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 1, 1940, Serial No. 321,720
9 Claims. (Cl. 175—294)



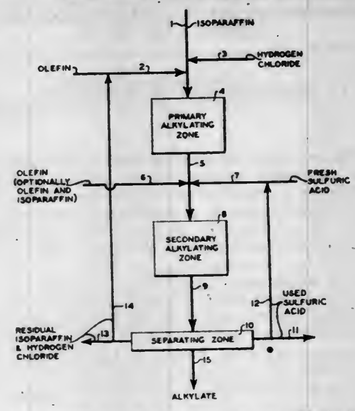
1. In an alternating current electric system of the type in which a fault to ground on one phase conductor of the system substantially increases the capacitance current to ground of the ungrounded phase conductors of the system, means for interrupting said system, relay means tending to effect the opening of said interrupting means on the occurrence of a ground fault on the system, arc suppressing means connected to said system and having a zero phase sequence inductance operative on the occurrence of a ground on a phase conductor of the system to provide a lagging current for effectively suppressing the capacitance current to ground at the grounded point, means operative after the flow of said lagging current for a predetermined time for substantially increasing the flow of ground fault current, and means for preventing the operation of said relay means until after the increased flow of ground fault current.

2,258,235
HEATING OF FLUIDS
Marion W. Barnes, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application February 19, 1940, Serial No. 319,637
12 Claims. (Cl. 122—356)



1. A heater for fluids comprising an elongated substantially vertical combustion zone defined by side walls, end walls, a roof and a floor, a plurality of tubular fluid conduits disposed adjacent one of said side walls and spaced from the opposite side wall to provide said combustion zone therebetween, burner means adjacent one end of said opposite wall and arranged to forcibly direct flames and hot combustion gases vertically over and in intimate contact with the surface of said opposite side wall facing said conduits, said opposite side wall being provided with openings therethrough adjacent the end thereof most remote from said burner means, a passageway for combustion gases communicating at one end through said openings with the combustion zone and communicating at its opposite end with a stack.

2,258,236
TREATMENT OF HYDROCARBONS
Wayne L. Benedict and Louis S. Kassel, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application September 30, 1940, Serial No. 359,083
10 Claims. (Cl. 196—10)



1. A process for alkylating isoparaffinic hydrocarbons with olefinic hydrocarbons to produce high antiknock motor fuel which comprises subjecting a mixture of a major proportion of an isoparaffinic hydrocarbon and a relatively smaller proportion of an olefinic hydrocarbon to a primary alkylating treatment in the presence of both an aluminum halide catalyst and a hydrogen halide, separating the reaction products from the catalyst, and subjecting the reaction products of the primary alkylating treatment to a secondary alkylating treatment in the presence of sulfuric acid to form a substantially saturated alkylate.

2,258,237
FRICTION ELEMENT
Chris Bockius, Ridgewood, and Judson A. Cook, Haledon, N. J., assignors to Raybestos-Manhattan, Inc., Passaic, N. J., a corporation of New Jersey
Original application November 20, 1935, Serial No. 50,802. Divided and this application July 18, 1938, Serial No. 219,797
6 Claims. (Cl. 192—107)

1. A friction facing of greater radial width than the thickness comprising a bonded, compressed structure composed essentially of endlessly wound strands comprising asbestos wound in superimposed layers, said layers being disposed

at substantially right angles to the working face of the facing, each layer comprising an unwoven



strand wound in wave fashion, said waves being disposed in the plane of said layers.

2,258,238

METHOD FOR MANUFACTURING FLOOR MATS

Don Fremont Collins, Pontiac, Mich., assignor to Baldwin Rubber Company, Pontiac, Mich., a corporation of Michigan

Application October 16, 1939, Serial No. 299,729
5 Claims. (Cl. 154—2)



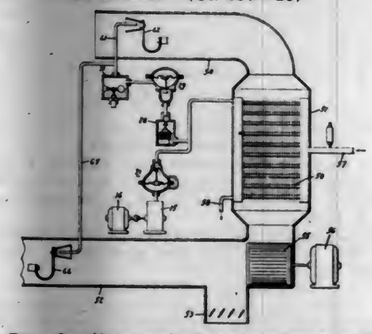
1. Those steps in the method of manufacturing a composite mat which consist in relatively positioning a sheet of vulcanizable stock and a sheet of pile fabric on a contoured form with the base of the fabric in contact with the side of the uncured stock facing the form, vulcanizing the stock to the contour of the form by applying a heated fluid under pressure to the exposed surface of the stock, and counteracting the pressure exerted by the heated fluid on the portion of the stock engaged by the pile fabric with an opposing fluid under pressure which is slightly less than the pressure of the heated fluid but which is sufficient to prevent matting of the pile against the form.

2,258,239

HEATING SYSTEM

Harry R. Crago, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application November 15, 1939, Serial No. 304,569
12 Claims. (Cl. 237—10)



6. In a heating control system for a radiator connected to a source of variable pressure steam, a source of air under pressure greater than the maximum steam pressure, conduit means including a flow regulator means connecting said pressure air source to said radiator whereby a continuous and substantially constant flow of air is supplied to said radiator, conduit means including a pressure regulator means for conducting a substantially continuous flow of air from said radiator, means responsive to the temperature conditions effected by said radiator for regulating the flow of air from said pressure regulator means.

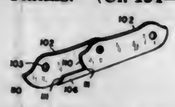
12. For use with an air conditioner having a heat exchanger adapted to be supplied with a heating fluid, a recirculated air inlet duct, a fresh air inlet duct, and a delivery air outlet duct for said heat exchanger, means for regulating the effective heat radiating surface of said heat exchanger comprising a source of air under pressure greater than the pressure of said heating fluid supplied to said heat exchanger, conduit means for conducting a continuous supply of air from said source to said heat exchanger, conduit means communicating with said heat exchanger and having an air vent arranged within said delivery air outlet duct, means responsive to the temperature of aif in said delivery air outlet duct, said last mentioned means normally maintaining said vent closed and adapted to move to the vent opening position upon the occurrence of a predetermined low temperature condition, conduit means communicating with said heat exchanger having an air vent in said recirculated air inlet duct, means responsive to the temperature of air within said last mentioned duct for regulating the escape of air from said last mentioned vent.

2,258,240

FORMING MEMBER

Clarence J. Davies, Detroit, Mich., assignor to National Automotive Fibres, Inc., Detroit, Mich., a corporation of Delaware

Application June 26, 1939, Serial No. 281,276
7 Claims. (Cl. 154—1)



7. In a fabric-embossing chain adapted to present a smooth surface of constant width to a smooth cylindrical roll, a link formed of sheet metal having a concave bottom surface of the same radius of curvature as the roll, the ends of said links having pivot openings and being convexly curved coaxial with said pivot openings, said link having a central portion reversely bent upwardly from the bottom of said link and lying against the side of said link, the ends of said reversely bent portion being concavely curved coaxially with said pivot openings on the same radius of curvature as said convexly curved ends, the bottom of said reversely bent portion being concavely curved to the radius of curvature of the roll, and having a square outer corner.

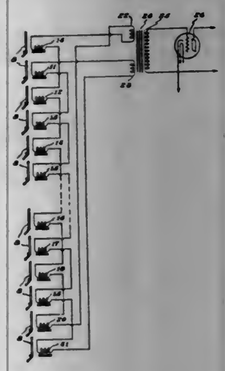
2,258,241

ELECTRICAL MUSICAL INSTRUMENT

Galan W. Demuth, Westville, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application March 31, 1939, Serial No. 265,276
9 Claims. (Cl. 179—1)

1. An electrical musical instrument including a plurality of note producing means, a plurality of pickup means each only in cooperative relation with means for producing one note, an output circuit, a circuit connecting alternate pickup



means to said output circuit in one sense, and a second circuit connecting the remaining pickup means to said output circuit in the opposite sense.

2,258,242

APPARATUS FOR DRAWING TUBES OF MULTIPLE WALL THICKNESS

Oscar Maroney Ditzel, Rahway, and Victor Petersen, Plainfield, N. J., assignors to Phelps Dodge Copper Products Corporation, Dover, Del., a corporation of Delaware

Application September 27, 1940, Serial No. 358,692
1 Claim. (Cl. 205—7)



Apparatus for forming a tube with multiple wall thickness in combination, means for drawing a tube through a die, a plug having a reduced central portion and tapering gradually to an enlarged end portion on each end of the plug mounted to be reciprocated on the end of a plug rod, means to reciprocate the rod and to hold the plug in fixed relations to the die, means operable by the movement of the drawing means to control the means to reciprocate the rod.

2,258,243

VINYL RESIN COATING AND PROCESS PRODUCING SAME

Arthur K. Doolittle, South Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York

No Drawing. Original application December 12, 1936, Serial No. 115,531. Divided and this application March 24, 1938, Serial No. 197,780
5 Claims. (Cl. 91—70)

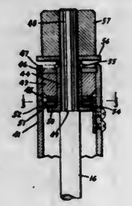
1. A vinyl resin composition for coating metal surfaces of iron, tin-plate and zinc, comprising as the essential film-forming ingredient a resin substantially identical with that formed by the conjoint polymerization of a vinyl halide and a vinyl ester of an aliphatic acid, together with a stabilizer material comprising a member of the group consisting of finely-divided sodium and calcium metals.

2,258,244

WASHING MACHINE

Erich Faber, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York

Original application October 16, 1937, Serial No. 169,421. Divided and this application June 11, 1940, Serial No. 339,972
3 Claims. (Cl. 68—23)



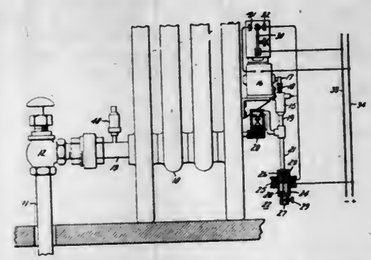
2. In a washing machine, a shaft, a receptacle for receiving material to be washed having a hub surrounding the shaft, said hub and shaft comprising relative rotatable members and the inner walls of the hub being spaced from the shaft and providing an annular space therebetween, means for selectively oscillating and rotating the shaft, a stop on the inner walls of the hub, a disk telescoped over said shaft and having a slip connection with the shaft, and a tongue carried by the disk and arranged to engage the stop upon continued rotation of the shaft, there being sufficient lost motion between the tongue and stop to permit oscillation of the shaft relative to the hub during oscillation of the shaft.

2,258,245

STEAM HEATING SYSTEM

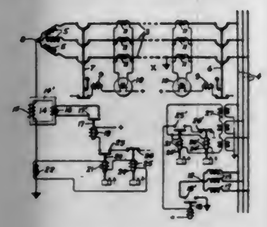
Chester I. Hall, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application September 28, 1939, Serial No. 296,953
6 Claims. (Cl. 237—10)



6. Apparatus for controlling the effective heating surface of a radiator connected to a source of steam comprising, a source of air under pressure greater than said steam source, a conduit forming a continuously open passage interconnecting said source of air and said radiator, a venting passage communicating with said conduit, said venting passage having an opening, means for restricting said opening, said opening being of such size that the flow of air into and out of said radiator is determined by the amount said opening is restricted, and means for varying the restriction of said opening to control the flow of air into and out of said radiator.

2,258,246
PROTECTION OF ALTERNATING CURRENT ELECTRIC SYSTEMS
Francis A. Hamilton, Jr., Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 1, 1940, Serial No. 322,518
8 Claims. (Cl. 175—294)



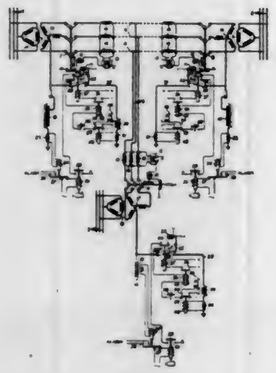
1. In an alternating current electric system of the type in which a fault to ground on one phase conductor of the system substantially increases the capacitance current to ground of the ungrounded phase conductors of the system, arc suppressing means connected to said system and having a zero phase sequence inductance operative on the occurrence of a ground on a phase conductor of the system to provide a lagging current for effectively suppressing the capacitance current to ground at the grounded point, means operative after the flow of said lagging current for a predetermined time for substantially increasing the flow of ground fault current, and means for reducing the flow of ground fault current substantially to its initial value if said increased flow of ground fault current lasts a predetermined time after the operation of said current flow increasing means and immediately upon cessation of flow of said ground fault current prior to the expiration of said last mentioned predetermined time.

2,258,247
STRUCTURAL ELEMENT
Alva M. Hull, Detroit, Mich., assignor of one-fifth to Francis D. Hardesty, Detroit, Mich.
Application July 3, 1939, Serial No. 282,596
4 Claims. (Cl. 189—86)



1. A structural element for use in the outer covering of a building, said element consisting of an elongated strip of sheet metal having one of its longitudinal edge portions extending sharply outwardly and then sharply downwardly to form an angular downwardly open longitudinal recess at the front of the element, the other longitudinal edge portion of the strip extending rearwardly horizontally then upwardly angularly and finally downward toward the body of the strip to form a tongue of such shape and size as to fit the recess of a similar adjacent element, said tongue being of concave shape at the rear thereof.

2,258,248
PROTECTION OF ALTERNATING CURRENT ELECTRIC SYSTEMS
Eugene M. Hunter, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application March 1, 1940, Serial No. 321,723
5 Claims. (Cl. 175—294)

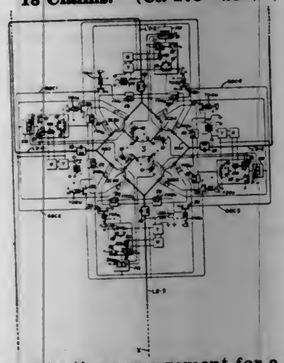


1. In an alternating current electric system having a neutral point and of the type in which a fault to ground on one phase conductor of the system substantially increases the capacitance current to ground of the ungrounded phase conductors of the system, a connection to ground from said neutral point having a zero phase sequence inductance operative on the occurrence of a ground on a phase conductor of the system to provide a lagging current for effectively suppressing the capacitance current to ground at the grounded point, means operative in dependence on the current in said neutral to ground connection including switching means for establishing a predetermined time after the occurrence of the ground another connection between said neutral point and ground, and means for preventing an interruption of said other neutral to ground connection as long as current flows therein comprising relaying means connected to respond only to the current through said switching means in said other neutral to ground connection.

2,258,249
TREATMENT OF HYDROCARBON DISTILLATES
Warren W. Johnstone, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application April 27, 1939, Serial No. 270,426
4 Claims. (Cl. 196—33)

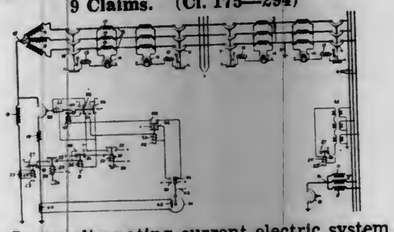
1. A process for sweetening hydrocarbon distillates containing mercaptans which comprises treating the distillate with sodium plumbite solution and a quantity of elementary sulfur in excess of that required to convert the mercaptans to lead mercaptides, then treating the distillate with a solution of an alkali metal hydroxide containing a relatively small amount of a low-boiling mercaptan, the last-named solution being in sufficient amount to remove the excess sulfur from the distillate, and thereafter recovering the distillate without further plumbite treatment.

2,258,250
PROTECTION OF ELECTRIC SYSTEMS
Luke F. Kennedy, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 25, 1939, Serial No. 306,104
18 Claims. (Cl. 175—294)



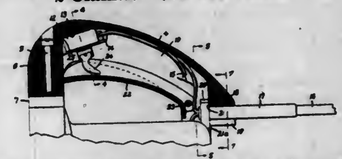
1. In a protective arrangement for a sectionalized electric power system, fault responsive means for isolating one section from the system on the occurrence of a fault thereon, means normally responsive to faults only on another section of the system for selectively isolating said other section from the system on the occurrence of a fault thereon, and means responsive to the direction of flow of fault current between said sections upon failure of the fault responsive means associated with said one section to isolate said section on the occurrence of a fault thereon for temporarily changing the response of the fault responsive means associated with said other section whereby to effect the separation of said other section from the system.

2,258,251
PROTECTION OF ALTERNATING CURRENT ELECTRIC SYSTEMS
Luke F. Kennedy, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 5, 1940, Serial No. 322,351
9 Claims. (Cl. 175—294)



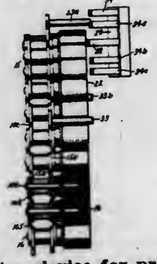
1. In an alternating current electric system of the type in which a fault to ground on one phase conductor of the system substantially increases the capacitance current to ground of the ungrounded phase conductors of the system, an inductive connection to ground having a zero phase sequence inductance operative on the occurrence of a ground on a phase conductor of the system to provide a lagging current for effectively suppressing the capacitance current to ground at the grounded point, switching means operative in the current conducting condition to provide another connection to ground, means for placing said switching means in the current conducting condition a predetermined time after the occurrence of a ground fault on the system, and means for returning said switching means to the non-conducting condition operative in response to an increase in current in said other connection and a subsequent decrease in said current.

2,258,252
HANDLE FOR VACUUM CLEANERS AND THE LIKE
Henry T. Lang, Cleveland, Ohio, assignor to Electric Vacuum Cleaner Company, Inc., Cleveland, Ohio, a corporation of New York
Original application July 26, 1939, Serial No. 286,560. Divided and this application March 29, 1940, Serial No. 326,760
2 Claims. (Cl. 173—322)



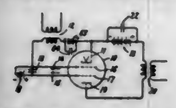
1. In combination, a handle having an end adapted to be secured to a device, a conductor cord having an enlarged strain relief sleeve secured thereto, a groove in said end for receiving the sleeve, said groove having a restricted mouth of size sufficiently large to permit passage of the conductor cord therethrough and of insufficient size to permit passage of the sleeve therethrough whereby the conductor cord may be inserted into the groove and then pulled endwise to move the sleeve into the groove, and a flange on the sleeve co-operating with the handle to take the strain resulting from pulling on the conductor cord.

2,258,253
TIMING APPARATUS
Louis G. Levoy, Ballston Lake, N. Y., assignor to General Electrical Company, a corporation of New York
Application August 5, 1938, Serial No. 223,253
14 Claims. (Cl. 200—33)



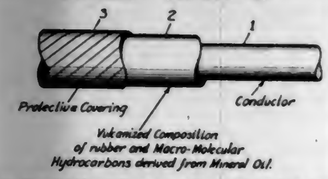
1. In a timing device for precisely timing the connection of a load to a source of alternating current during predetermined half-cycles of said source, the combination of a belt, a plurality of members carried thereby, the quantity and positions of said members corresponding to the timing pattern desired, means adjacent said belt, and synchronously driven means constructed and arranged for imparting motion to said belt at such a rate that each of said members is associated with said adjacent means during a predetermined relatively short time interval, said belt being adjustable in length for permitting variation of the length of the timing pattern.

2,258,254
ELECTRICAL DISCHARGE DEVICE
Elmer D. McArthur, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 29, 1939, Serial No. 281,865
15 Claims. (Cl. 250—27)



8. In a control means for producing conduction current modulation of an electron stream at a predetermined frequency, said control means including two portions arranged to be traversed by said stream, one portion being effective to produce conduction current modulation of said stream, the method of minimizing power flow in said control means which comprises causing the respective voltages of said portions to vary at said frequency in substantially opposite phase with respect to each other.

2,258,255
ELECTRICAL INSULATION
Wallace Bentley MacKenzie, New York, N. Y., assignor to Phelps Dodge Copper Products Corporation, New York, N. Y., a corporation of Delaware
Application August 17, 1937, Serial No. 159,591
2 Claims. (Cl. 260—4)

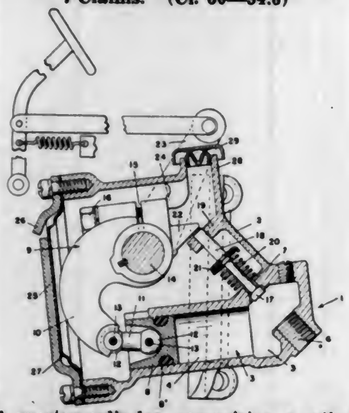


1. An insulation for an electric cable having a high heat resistance and unusually high resistance to water absorption as determined by deterioration of electrical properties when immersed in hot potable water or steam, comprising a vulcanized resilient insulating compound which is the product of vulcanizing a mixture consisting essentially of by weight, 25 parts of mechanically plasticized rubber, 15 parts of polyisobutylene, 55.5 parts of zinc oxide in the form of a fine powder, one part of polymerized trimethyl dihydroquinoline, one part of carbon black, 0.9 parts of stearic acid, 1.5 parts of tetra methyl thiuram mono sulfide, 0.1 parts sulfur milled and formed prior to vulcanization.

2,258,256
ELECTRICAL INSULATING MATERIAL
Wallace Bentley MacKenzie, New York, N. Y., assignor to Phelps Dodge Copper Products Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application January 13, 1938, Serial No. 184,767
3 Claims. (Cl. 260—4)

1. An insulating material for an electrical cable having high heat resistance and unusually high resistance to water absorption comprising a vulcanized rubber insulating compound which is the product of vulcanizing a mixture consisting essentially by weight 50 parts of isobutylene polymer, 41 parts of rubber plasticized by oxidation, said oxidization being catalyzed by mercapto-benzothiazole, 2 parts zinc oxide, one part whiting, 2 parts stearic acid, less than one part sulphur, milled and formed prior to being heat converted.

2,258,257
MASTER CYLINDER
Frank L. Main, Birmingham, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application April 18, 1938, Serial No. 202,787
7 Claims. (Cl. 60—54.6)



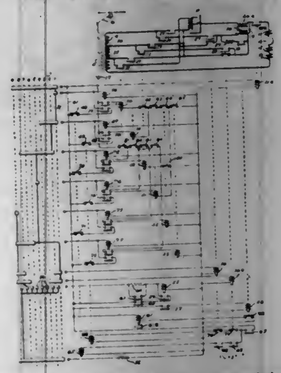
1. A master cylinder, comprising a cylinder, a piston within said cylinder, a reservoir having a portion adapted to communicate with the forward end of said cylinder beyond the limit of advance of said piston, said portion extending to a height above the communication and said cylinder being inclined downwardly from said portion whereby braking liquid may flow under gravity from said reservoir into said cylinder and air may pass from said cylinder into said reservoir, a valve controlling the communication, and means operatively connected to said piston and valve to advance the piston and to open the valve upon return movement of the piston.

2,258,258
CONTROL DEVICE
Peter L. Mikeska, Chicago, Ill., assignor to Edison General Electric Appliance Company, Inc., Chicago, Ill., a corporation of New York
Application July 19, 1939, Serial No. 285,311
5 Claims. (Cl. 200—139)



1. In a temperature control device for an electrically heated appliance, a support, a yoke pivotally mounted on said support, a compound bimetallic blade element having one end fixed on said support and the opposite end free to move, resilient means pivotally mounted on said yoke and bearing on said free end of said bimetallic blade so as to cause said blade to be moved quickly and with a snap action between two limiting positions, circuit controlling means associated with said blade and said yoke adapted to be actuated by movement of said compound blade, and means for controlling the temperature at which said circuit controlling means are actuated over a range extending from a manually settable off position at normal temperatures to a predetermined maximum temperature position, said means comprising an adjusting screw mounted in said stationary support and engaging the upper surface of said yoke member, and resilient means bearing against the under surface of said yoke member and biasing said yoke member against said adjusting screw throughout its range of adjustments.

2,258,259
CONTROL SYSTEM
Harold S. Ogden, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application October 11, 1939, Serial No. 298,956
12 Claims. (Cl. 171—119)

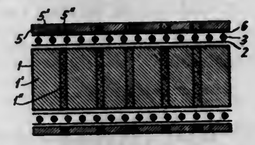


1. A motor control system comprising a supply transformer having a plurality of voltage taps, a preventive coil, two groups of tap switches for connecting respectively the terminals of said preventive coil to selected ones of said taps, a buck-boost transformer having a winding arranged for connection in a motor circuit and a second winding inductively associated with said first winding, reversing switches for connecting said second winding across said preventive coil, said switches being normally in positions to connect said second winding across said preventive coil for one polarity and movable to second positions for reversed polarity, means operated by movement of said reversing switches to one of said positions for maintaining closed a predetermined group of said tap switches, means operated by movement of said reversing switches to said normal positions for maintaining closed the other of said groups of tap switches, and interlocking means between the tap switches of each group preventing the closure of more than one of the switches of each group at any one time.

2,258,260
WATER TREATMENT
Cyrus W. Rice, Pittsburgh, Pa.
No Drawing. Application December 31, 1937, Serial No. 182,809
6 Claims. (Cl. 210—23)

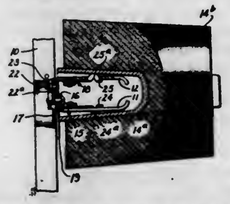
1. The herein described method of inhibiting in a vessel containing heated water scale formation due preponderantly to calcium and magnesium compounds in the water which consists in reacting the calcium and magnesium compounds of the water in substantial entirety with a colloid dispersion of a protein substance selected from the globulins reactive with calcium and magnesium, and prepared for reaction with the calcium and magnesium compounds with at least one acid capable of peptizing reaction with a protein without disintegration of the protein into amino products, and further reacted with a water-soluble alkaline reagent.

2,258,261
COIL WITH LINE PROPERTIES
Hans Otto Roosenstein, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application March 7, 1940, Serial No. 322,656
In Germany January 18, 1939
5 Claims. (Cl. 178—44)



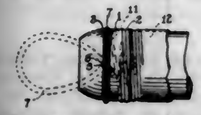
1. In a retarding network, a pair of input terminals and a pair of output terminals, a coil connected between one of said input terminals and one of said output terminals, a core for said coil composed of a plurality of stacked ferro-magnetic discs insulated from one another, a split shielding sheath of electrical conducting material mounted between the core and the coil, means for connecting the other input terminal and the other output terminal to said sheath, and an outer sheath for said coil composed of a plurality of stacked rings of ferro-magnetic material insulated from one another.

2,258,262
ADJUSTABLE SUPPORT FOR YARN PACKAGES
Roy G. Ross, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application February 15, 1939, Serial No. 256,437
7 Claims. (Cl. 242—130)



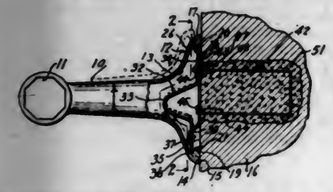
1. An adjustable support adapted to be inserted into bores of different diameters in yarn sleeves or the like comprising, a pair of L-shaped brackets disposed in opposed relation with the base arms thereof overlying each other and extending in opposite directions and with the other arms thereof projecting in generally parallel spaced relation for insertion into the bore in a yarn sleeve or the like, means on said other arms for engaging a spool placed thereon, a base, one of said brackets being fixed to said base, and means including a pin and slot connection between the other of said brackets and said base for releasably securing the same in any one of a plurality of positions spaced from said one bracket to accommodate sleeves with bores therein of corresponding diameters.

2,258,263
FLASHLIGHT HANGER
Harry Rothenberg, Norwood, N. J., assignor to Henry Hyman, Brooklyn, N. Y.
Application January 14, 1938, Serial No. 184,915
1 Claim. (Cl. 240—10.66)



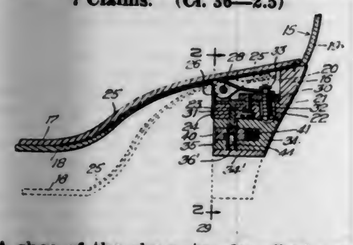
A flashlight casing having a groove along its outer surface and a corresponding extension along its inner surface near one end of said casing, and an elastic member passing around said casing in said groove for suspending said casing from a support and having its ends together and fastened to said casing so that said elastic member may be released from said groove except at the point of fastening.

2,258,264
WALL FIXTURE
Charles A. Schultz, Toledo, Ohio, assignor to Geritz Adrian Manufacturing Corporation, Adrian, Mich., a corporation of Michigan
Application August 2, 1938, Serial No. 222,661
3 Claims. (Cl. 248—223)



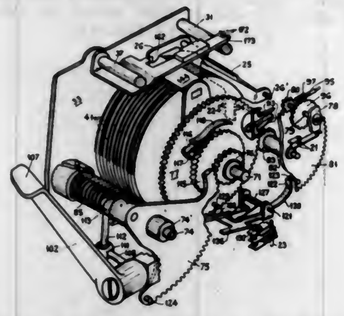
3. A fixture including a member having a uniplanar surface; a marginal raised portion extending away from the uniplanar surface; means for securing said member to a support with the marginal portion extending away from said support and the uniplanar surface in engagement therewith, a resilient element having a portion fixed to said member and a portion spaced therefrom and movable with respect thereto, said raised portion of said member being provided with an opening through which one end of said resilient element projects beyond the marginal portion of said member.

2,258,265
SHOE
Frederick Schwartz, Brooklyn, N. Y.
Application September 17, 1940, Serial No. 357,078
7 Claims. (Cl. 36—2.5)



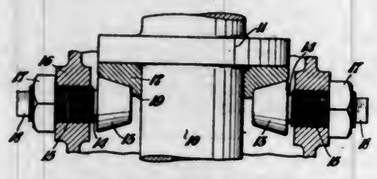
1. A shoe of the character described comprising a fixed heel portion having a cut-away portion, a shank iron pivotally secured therein, and means for adjusting said shank iron for accommodating removable heels of varying sizes to said fixed heel portion.

2,258,266
IMPULSE TRANSMITTER MECHANISM
Hans Sengebusch, Villa Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Original application June 12, 1937, Serial No. 147,831, now Patent No. 2,209,615, dated July 30, 1940. Divided and this application March 18, 1938, Serial No. 196,621
17 Claims. (Cl. 179—90)



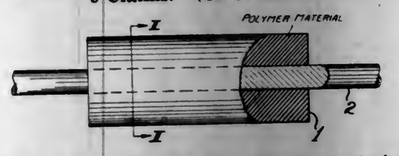
15. A mechanism for use in an impulse transmitting device comprising, in combination, a rotatable shaft, a plurality of disks each having a slot therein, a plurality of disk spacing members spaced axially along said shaft, each of said disks being adapted to be slipped between two of said spacing members with the slotted portion thereof straddling said shaft, and resilient means for urging each of said disks into engagement with an adjacent one of said spacing members when the associated disk is assembled on said shaft, thereby to insure proper spacing of said disks.

2,258,267
HIGH SPEED THRUST BEARING
John M. Shimer, Dallas, Tex., assignor to Oil Well Supply Company, a corporation of New Jersey
Application January 3, 1940, Serial No. 312,275
4 Claims. (Cl. 308—231)



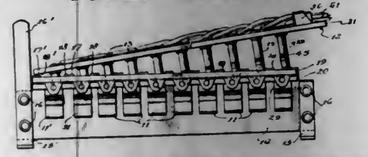
1. An antifrictional thrust and steadying bearing for use with a large diameter high speed shaft comprising a single race, an outer annular shoulder on said race, a plurality of stationary radial studs equally spaced about said shaft throughout its circumference, and a plurality of frusto-conical bearing members, each of said bearing members mounted on said stationary studs, said studs being radially adjustable so that the frusto-conical bearing members are maintained in cooperative relationship with the race shoulder.

2,258,268
PRESSURE ROLL FROM COPOLYMER
William J. Sparks, Cranford, and Robert M. Thomas, Union, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application April 13, 1939, Serial No. 267,726
9 Claims. (Cl. 68—277)



1. A squeeze roll having the characteristics of being solid, plastic and elastic formed from a sulfurized polymeric material including isobutylene and butadiene produced from a mixture of 70 to 90 parts of isobutylene with 30 to 10 parts of butadiene, respectively, polymerized at temperatures between —50 and —150° C. by the application to the mixture of aluminum chloride dissolved in ethyl chloride.

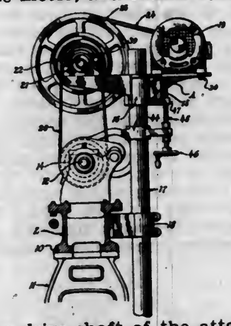
2,258,269
PLUG AND JACK CONSTRUCTION
Harry B. Stoner and Rodney W. Phillips, Aurora, Ill., assignors to Stoner Manufacturing Corporation, Aurora, Ill., a corporation of Illinois
Application March 21, 1940, Serial No. 325,201
4 Claims. (Cl. 173—328)



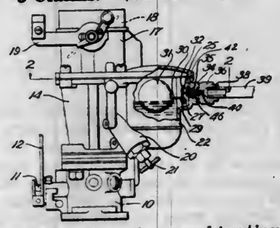
1. In a structure of the character described, an elongated support member and a panel mounted thereon substantially perpendicular thereto and extending lengthwise of said support, said panel having a plurality of jacks arranged in bank mounted thereon, said support member having upstanding lugs spaced along the top thereof for securing said panel to said support, said support member having portions thereof offset along the top edge thereof between said spaced upstanding lugs.

2,258,270
DRIVING MECHANISM
Joseph Velk, Milwaukee, Wis.
Application June 26, 1939, Serial No. 281,192
1 Claim. (Cl. 74—242.13)

The combination with a machine including a frame and an operating shaft, of a power-drive attachment for actuating the machine and shaft, including a single upright supporting post, means rigidly securing the post to the frame of the machine in a vertical position, a platform having a guide sleeve formed thereon intermediate its ends slidably mounted on the post with the platform partially extending over the machine, means for raising and lowering the platform and for holding the platform in a selected adjusted position including a feed screw rotatably supported on the post, means for turning the screw, and a feed nut carried by the platform receiving the feed screw, an electric motor mounted upon the platform on one side of the post, a drive shaft rotatably mounted on the platform on the other side of the post, means operatively connecting the drive shaft to the motor, and means operatively connecting the drive shaft of the attachment with the operating shaft of the machine.



2,258,271
LIQUID FLOW CONTROL APPARATUS
Lloyd D. Walter, Toledo, Ohio, assignor to The Tillotson Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application September 8, 1939, Serial No. 293,981
3 Claims. (Cl. 137—104)

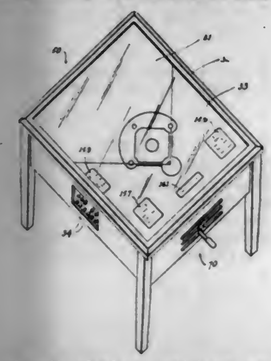


1. In a carburetor, in combination, a fuel chamber; a float pivotally supported in said fuel chamber, said float having an upwardly projecting arm; a fuel inlet tube communicating with said receptacle, said tube having a restriction therein; a needle valve cooperating with said restriction, said needle valve having a non-circular cross section to accommodate the passage of fuel past said valve, said valve having a bore; a coil spring positioned in the bore of said valve and normally in contact with the arm of said float means whereby the float means at normal fuel level in said chamber exerts a pressure upon said spring to hold the needle valve in closed position.

2,258,272
BASEBALL GAME
Delbert Spencer Alexander, Evanston, Ill., assignor of one-half to James Turner Alexander, Jr., Evanston, Ill.
Application September 8, 1938, Serial No. 228,918
21 Claims. (Cl. 273—88)

1. In a baseball game of the class described, the combination of a game board having a playing field marked thereon, a first series of lights and cooperating indicia designating plays in which the ball has been hit by the batter, a second series of lights and cooperating indicia designating called strikes, swung and missed strikes, and balls, said lights and cooperating indicia indicating the location of said called strikes and said balls relatively to the height of the batter and to the width of the plate, a plurality of pitcher's selection switches representing

throws pitched to the batter at different positions relatively to the height of the batter and to the width of the plate, each of said selection switches being of push button type comprising a multiplicity of pairs of contacts adapted upon closing of the respective switch to engage with each other in circuit closing pairs maintained out of contact with adjacent pairs, a pitcher's master switch controlling the energization of all of said pitcher's selection switches, an "In box" signal, contacts responsive to said pitcher's master switch for controlling said "In box" signal, a batter's selection switch comprising a vertically and laterally movable switch handle and a guide member having a plurality of notches therein for guiding the motion of said handle to



different circuit closing positions representing different plays by the batter including swings at different heights above the plate, an "At bat" signal, contacts at the entrance ends of said notches adapted to be engaged by said switch handle to energize said "At bat" signal, and contacts at the far ends of said notches adapted to be engaged by said switch handle to energize said first and second series of lights, and an electrical network connecting said pitcher's selection switches and said batter's selection switch with said lights whereby appropriately related pitches and swings will illuminate appropriate lights of said first series, and whereby the location of called strikes and balls relatively to the batter and to the plate will be indicated by appropriate lights of said second series.

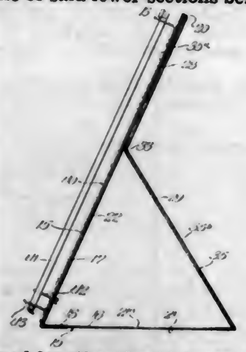
2,258,273

PORTABLE DISPLAY DEVICE

Arthur M. Barrett, Winnetka, Ill., assignor to The Barrett Bindery Co., Chicago, Ill., a corporation of Illinois

Application April 18, 1940, Serial No. 330,308
15 Claims. (Cl. 281—33)

1. In a device of the character described, an inner member comprising a back element and substantially rigid cover elements hinged to said back element, said cover elements being provided with pockets for reception of the covers of a book, an outer member comprising hingedly connected back and cover elements corresponding to and foldable over said back and cover elements of said inner member, and a stop member connecting the lower portions of said inner and outer members limiting movement apart of their lower edges, the cover elements of said outer member comprising hingedly connected substantially rigid upper and lower sections, said upper sections being hingedly connected at their upper edges to the upper edges of said inner cover elements, the combined lengths of said stop member and one of said lower sections being less than



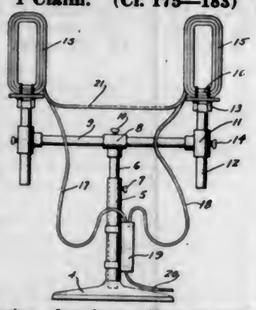
the combined lengths of said inner member and one of said upper sections.

2,258,274

METHOD OF MAGNETIC TESTING

Carl E. Betz, Park Ridge, Ill., assignor to Magnaflux Corporation, Chicago, Ill., a corporation of Delaware

Application May 22, 1937, Serial No. 144,169
1 Claim. (Cl. 175—183)



In preparing for inspection purposes by the application of magnetic particles to a group of magnetized turbine blades in adjacently disposed blade rows of a turbine wheel, the method which comprises the steps of placing an elongate air-core coil having spaced apart longitudinally extending sides defining an inspection opening and an elongate air core of unit permeability in position adjacent the tips of the blades of a turbine wheel and extending lengthwise of the blade row so that blades disposed in the path of magnetic flux through the opening and viewable through the opening will have one magnetic polarity and form one leg of a magnetic circuit, and blades disposed adjacent the longitudinally extending coil sides and outwardly of the coil sides will have an opposite polarity and form elements in parallel as the return leg of the magnetic circuit, and energizing said coil to establish a magnetic field embracing the coil and the blades.

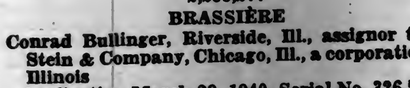
2,258,275

REPEATERED TRANSMISSION SYSTEM

Harold S. Black, Elmhurst, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application August 3, 1940, Serial No. 350,478
5 Claims. (Cl. 178—44)

1. In a two-way transmission system, using a high frequency band for one direction of transmission and a low frequency band for the opposite direction of transmission, repeaters in tandem in said system each comprising an amplifying path for one direction including filters having a pass range corresponding to the high frequency band and an amplifying path for the opposite direction including filters, having a pass range



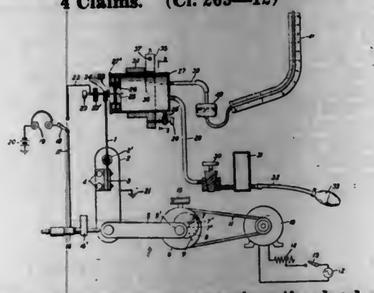
corresponding to the low frequency band, whereby similar undulations occur in the over-all gain frequency characteristic of each amplifier due to feedback effects through certain of said filters, and means to reduce the cumulative effect of such undulations in said system comprising means included in certain of the repeaters to cause said undulations to have respectively opposite phase in succeeding repeaters.

2,258,276

APPARATUS FOR MEASURING THE ELASTIC PROPERTIES OF MATERIALS

Jacob R. Boettler, Chatham, N. J., and Walter W. Werring, Brooklyn, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application April 7, 1939, Serial No. 266,522
4 Claims. (Cl. 265—12)



1. An apparatus for measuring the load deflection characteristics of a test specimen comprising a means for rapidly and reversibly bending said specimen at a predetermined constant amplitude and rate, means for indicating the number of deflections given said specimen and a pneumatic means for measuring the bending moment comprising a pneumatic cylinder, a flexible diaphragm at one end thereof, means for aligning said diaphragm into operative engagement with a portion of said specimen, means for controlling the pneumatic pressure within said cylinder, and means for measuring said pressure.

2,258,277

BRASSIÈRE

Conrad Bullinger, Riverside, Ill., assignor to A. Stein & Company, Chicago, Ill., a corporation of Illinois

Application March 29, 1940, Serial No. 326,552
3 Claims. (Cl. 2—42)

1. A brassière having breast-supporting sections, each breast-supporting section comprising a lower part of non-stretchable material adapted to engage and support the lower portion of the breast, said material embodying a fabric inner facing ply and a ply of permanently flexible, water-insoluble, normally non-creasable material united to said fabric ply in face to face relation over sufficient area to cause said ply to impart to the said section of the brassière when being worn, the property of resisting



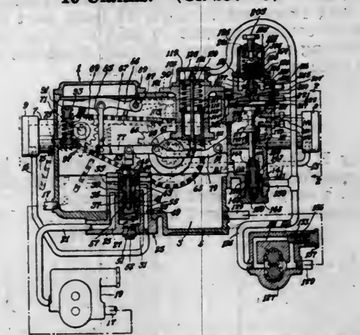
wrinkling especially along the lower marginal portion thereof, while, at the same time, maintaining in said section, flexibility and softness permitting a substantial degree of conformation of the section to the breast.

2,258,278

CONTROLLING DEVICE

Allan O. Carpenter, Corning, N. Y., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey

Application September 25, 1940, Serial No. 358,265
19 Claims. (Cl. 230—9)



1. In a control device for an engine driven fluid compressor having means for regulating the supply of energizing fluid to the engine, the combination of fluid pressure actuated means for actuating the supply regulating means, means to supply fluid under pressure to the fluid pressure actuated means, pressure responsive means to control supply means, means to supply fluid varying in pressure in accordance with variations in the compressor discharge pressure to the pressure responsive means, and means actuated by the fluid pressure actuated means to render the first supply means ineffective.

2,258,279

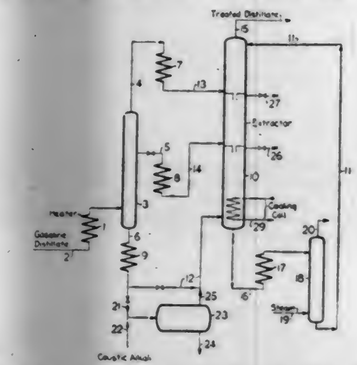
PROCESS FOR EXTRACTION

Albert V. Caselli, Oakland, and Alan C. Nixon, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application January 12, 1940, Serial No. 313,566
6 Claims. (Cl. 196—32)

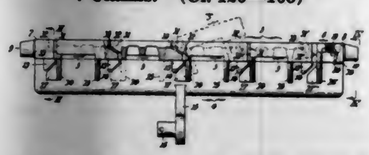
1. In the process of separating weak organic acids contained in a water-insoluble organic liquid which is substantially inert toward alkali metal hydroxide, by extracting with an aqueous solution of alkali metal hydroxide, the improvement comprising fractionating said solution to produce at least two fractions containing portions of said acids, which portions have different

degrees of ease of transference toward said aqueous solution of alkali metal hydroxide, flowing said solvent through an extraction zone and withdrawing it therefrom, introducing into said zone at different points in the direction of flow



of said aqueous solution said fractions in the order of their decreasing ease of transference, flowing said fractions through at least part of said zone in countercurrent to said aqueous solution combining at least some of said fractions within said zone, and withdrawing them.

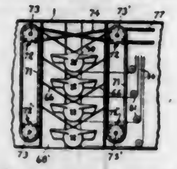
2,258,280
GRATE
Harry L. Decker, Ardmore, Pa., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 24, 1941, Serial No. 380,275
7 Claims. (Cl. 126—168)



1. A grate section for furnaces comprising a carrier bar with means for pivotally supporting it at opposite ends, and projecting lugs at intervals of its length; and a plurality of removable fuel supporting units in the form of perforated plates serially mounted on the carrier bar, said plates embodying vertically-spaced projections and aligned recesses on the opposite ends so that, when a carrier bar is aligned therewith, the projections and corresponding recesses of adjacent plates will engage and interlock with the laterally projecting lugs of the carrier bar.

2,258,281
AERIAL TORPEDO
Leonid A. Dunajeff, New York, N. Y., assignor to Commercial Ingredients Corporation, New York, N. Y., a corporation of New York
Application May 20, 1938, Serial No. 209,898
3 Claims. (Cl. 89—1.5)

1. A mechanism for launching aerial torpedoes from an airplane, comprising a well having substantially vertical walls in the bottom part of an airplane, hinged links extending from opposite walls of the well downward to the upper side of a torpedo in the well, rings at the ends of the links, the rings of each pair of opposite links joined together and engaging a retaining member in the torpedo, and means to release the rings



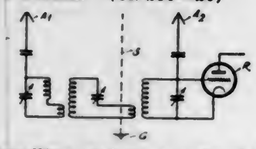
from the retaining member, thereby releasing the torpedo from the well.

2,258,282
DISPLAY BINDER
Elmer W. Ericson, Chicago, Ill., assignor to The Barrett Bindery Co., Chicago, Ill., a corporation of Illinois
Application October 24, 1940, Serial No. 362,483
14 Claims. (Cl. 281—33)



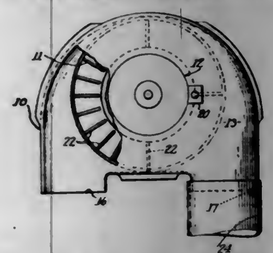
3. In a display binder, substantially rigid front and back covers, a back-bone between and hinged to said covers at one end thereof, a substantially rigid display panel, means foldable between said panel and said back cover connecting the other end of the latter to the corresponding end of said panel and limiting movement apart of said other end of said back cover and said corresponding end of said panel, a mounting strip between and hinged to said one end of said back cover and the other end of said panel with means limiting swinging movement of said strip in either direction relative to said panel, and binding mechanism carried by said strip at the front thereof.

2,258,283
DISTURBANCE SUPPRESSION ARRANGEMENT
Reinhard Feld, Berlin-Neutempelhof, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application March 15, 1938, Serial No. 195,937
In Germany February 22, 1937
2 Claims. (Cl. 250—20)



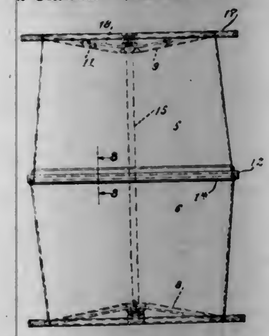
2. In a signalling system, a pair of antennae arranged so as to pick up substantially similar voltages, means for shielding said antennae from each other, a single utilization device, a reactance network connecting one of said antennae with said utilization device whereby the voltage delivered to said device is a function of frequency, a second network connecting the other of said antennae to said device, said second network being so constituted that the voltage delivered to said device by the second network is a different function of frequency from the first named function, said networks being arranged to deliver to said load equal and opposite voltages at a frequency to be suppressed.

2,258,284
AIR CIRCULATOR
Howard J. Findley, Euclid, Ohio, assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application March 25, 1939, Serial No. 264,267
10 Claims. (Cl. 230—47)



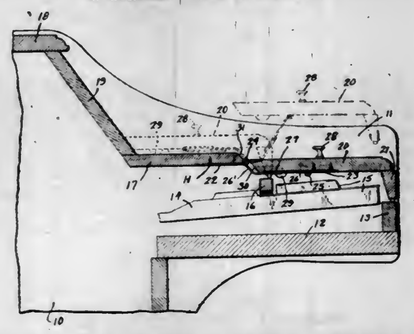
1. An air circulating unit comprising a particircular frame defining an air confining housing and a reversible electric motor supported thereby, a fan in said frame driven by said driving means, an axial air inlet opening in communication with the interior of said frame, a plurality of arcuately spaced tangentially disposed peripheral air outlet openings normal to said air inlet, and said fan operable under the action of said reversible motor means for selective discharge of the major portion of displaced air from one or more of said outlet openings solely by varying the direction of rotation.

2,258,285
NESTING SHIPPING DRUM WITH HOOPS THEREFOR
Paul F. Fish, Baltimore, Md.
Application August 1, 1938, Serial No. 222,367
2 Claims. (Cl. 220—5)



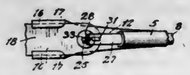
1. In a drum or barrel of the nesting section type, comprising a container body made up of frusto-conical shaped sections adaptable when disassembled of being nested one within the other for compactness in return shipment, hoops of an outside diameter greater than any portion of said body, and means providing sufficient clearance between said hoops and body whereby the hoops may be readily gripped by the hands for convenience in handling the drum, said hoops functioning to protect the drum and facilitate rolling and handling thereof, means rigidly and removably connecting said body sections and said hoops to the opposite ends of said body and at a point substantially in line with the axis of said body, said means comprising spider like members having radiated spokes fixedly attached to their respective hoop members, said spokes being detachably engaged to the respective opposite ends of the drum body by means of notches, when in normal engaged position, the same providing means whereby any impact or blow upon either of the hoops, substantially all of the force of the impact will be distributed by the hoops to their respective spoke and notch structures for purposes of absorbing and distributing the impact force about the peripheral edges of the ends of the drum body.

2,258,286
FALL-BOARD STRUCTURE FOR PIANOS OR THE LIKE
Paul M. Gazlay, Chicago, Ill.
Application March 19, 1941, Serial No. 384,059
3 Claims. (Cl. 84—179)



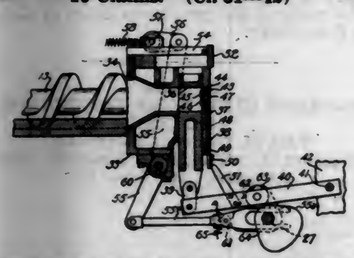
1. In a piano having a casing provided with a forwardly extending horizontal ledge board, a fall board normally positioned extending horizontally and forwardly of said ledge board to cover the keys of the piano, and means to provide for movement of said fall board rearwardly to sit horizontally on said ledge board and uncover the piano keys, said means comprising a plurality of double-hinge units with each unit comprising a first hinge plate on the under side of said ledge board at the front lower edge thereof, a second hinge plate on the under side of said fall board and remote from the rear edge of said fall board, and a connecting plate hingedly connected at its ends to said first plate and to said second plate, respectively.

2,258,287
ADENOTOME
Martha R. Grieshaber, Chicago, Ill.
Application May 23, 1940, Serial No. 336,732
4 Claims. (Cl. 128—309)



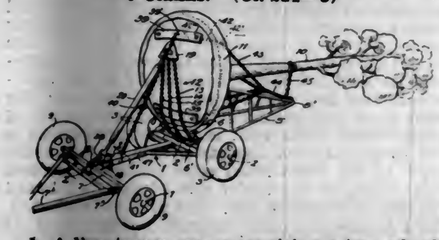
2. A device of the type described comprising a frame member, a head at the forward end of said frame member, a blade movable in said head, a rod slidably movable along said frame member and having a bifurcated forward end for detachable connection with said blade, a stud on said blade adapted to be received in said bifurcated end, and displaceable latching means carried by said rod for locking said stud in said bifurcated end and permitting retractable movement of said blade by said rod.

2,258,288
PRINTING MACHINE FOR MARGARINE OR THE LIKE
Kenneth G. Heft, Earl J. Rapp, and Lynn D. Dority, Toledo, Ohio, assignors to Morris Packaging Equipment Company, Toledo, Ohio, a corporation of Ohio
Application February 4, 1939, Serial No. 254,618
16 Claims. (Cl. 31—42)



2. In a print machine for semi-plastic materials, a restricted throat, means to force material through said throat, a mold at the opposite end of said throat for the material, said mold having an open outer end, an air vent valve adjacent said open end and arranged to be engaged by the material and thereby closed, means for vertically actuating said mold, and a pusher for discharging the material from the mold.

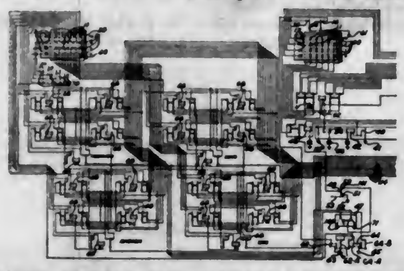
2,258,289
TREE MOVER
Wallace L. Jeffrey, Fulton, Mo.
Application January 15, 1940, Serial No. 313,948
6 Claims. (Cl. 214—3)



1. A live-tree mover comprising a two-wheeled chassis to receive the tree and means to hold it selectively and adjustably at a desired vertical angle, comprising a forward running gear with a link-reach connecting it to said chassis with the latter in vertically tilting relation thereto and an adjustable-length prop extending from the rootball to the forward part of said reach, the latter having a swivel tip parallel with its main axis and the main reach part having a shelf overlapping the swivel and receiving the base of said prop to support the latter.

2,258,290
COMPUTING MACHINE
Harold G. Johnstone, Berwyn, and John C. Gates, Downers Grove, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 13, 1936, Serial No. 79,462
5 Claims. (Cl. 235—61.6)

1. In a record controlled multiplying machine, means for indicating the result of multiplying a plurality of factors, multiplying means for controlling the indicating means, electrical circuits for controlling the multiplying means, a plurality of sensing means for sensing record cards while stationary, and means associated with one of the sensing means for retaining one of the factors



and for effecting with the other sensing means joint control of the multiplying means through said electrical circuits, whereby one factor remains constant and the other factor varies in a series of successive multiplications.

2,258,291
ART OF PROMOTING THE GROWTH OF PLANTS
Franklin D. Jones, Llanerch, Pa., assignor to American Chemical Paint Company, Ambler, Pa., a corporation of Delaware
No Drawing. Application December 23, 1938, Serial No. 247,366
14 Claims. (Cl. 47—58)

11. A method of treating plants, which consists in subjecting the plant to the action of a composition containing thiourea in a concentration in the order of one part of thiourea in 10,000 parts of composition.

14. A method of regulating the growth of plants which consists in applying to said plants a composition containing as essential ingredients a plant hormone and thiourea.

2,258,292
ART OF REGULATING THE GROWTH OF PLANTS
Franklin D. Jones, Llanerch, Pa., assignor to American Chemical Paint Company, Ambler, Pa., a corporation of Delaware
No Drawing. Application October 9, 1939, Serial No. 298,703
19 Claims. (Cl. 47—58)

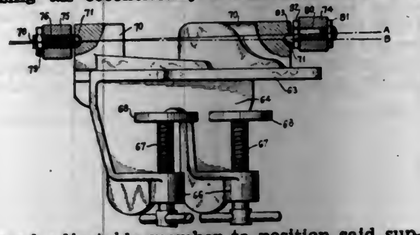
1. A growth regulating composition for plants, said composition containing as an essential ingredient an amide of a plant hormone acid.

2. A growth regulating composition for plants, said composition containing as an essential ingredient naphthylacetamide.

2,258,293
DRAFTING MACHINE
Carl W. Keuffel, Weehawken, N. J., assignor to Keuffel & Esser Company, Hoboken, N. J., a corporation of New Jersey
Original application April 24, 1937, Serial No. 138,759. Divided and this application July 1, 1939, Serial No. 282,549
3 Claims. (Cl. 33—79)

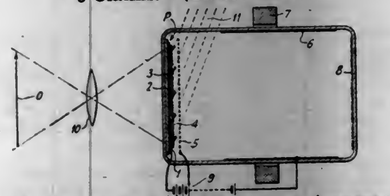
1. An anchor for a parallel motion drafting device of the wheel and band type comprising clamping means, a support, means to pivotally mount the support on the clamping means to turn about a horizontal axis, means to vary the relative elevations of the pivoted mounting

means with respect to the clamping means comprising an eccentrically mounted pivot, and a



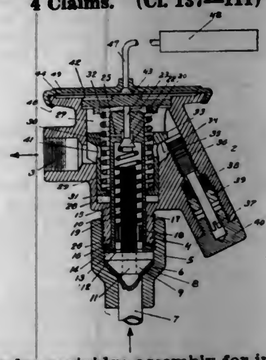
spaced adjustable member to position said support with respect to said clamping means.

2,258,294
PHOTOELECTRIC DEVICE
Hans Gerhard Lubszynski, Hillingdon, and Leonard Klatzow, London, England, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application January 21, 1939, Serial No. 252,220
In Great Britain March 29, 1938
6 Claims. (Cl. 250—153)



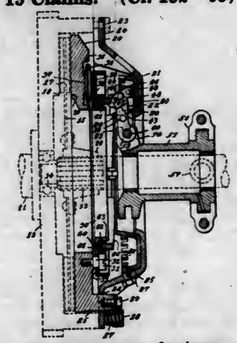
1. A photocathode comprising a transparent support surface, a thin layer of metal deposited upon said transparent support, a layer of photosensitive material supported upon the thin metal layer, and electron emitting material supported upon said photosensitive layer said material being only in contact with said photosensitive layer and possessing areas from which unobstructed electron emission may emanate.

2,258,295
EXPANSION VALVE
Catherine A. L. Merz, Chicago, Ill., assignor to Flow Controls, Inc., Chicago, Ill.
Application June 17, 1940, Serial No. 340,938
4 Claims. (Cl. 137—111)



1. A valve cartridge assembly for insertion into a valve casing and comprising, in combination, a cartridge having a flow passage, the flow passage comprising, in part, a valve seat, a valve movable to and from said seat, a compression spring in the flow passage and urging said valve to said seat, a spring support to maintain said spring under a definite compressed length, the said spring support being a press fit within the flow passage, at the inlet end, and the pressure of said spring being governed by pressing said spring support, into the flow passage to a predetermined position, the flow exit passage, of said cartridge, having a lesser flow capacity than the maximum potential flow capacity between said valve and said seat, and an exteriorly turned flange at the flow inlet end of said cartridge, to provide a leak-proof joint when compressively engaged with a mating seat of the said valve casing, by means of a flare nut, screwed to said valve casing, and which in turn compressively engages the flared end, of a flared tube refrigerant inlet conduit, against said flange.

2,258,296
CLUTCH
Kay Miller, Rockford, Ill., assignor to The Atwood Vacuum Machine Company, Rockford, Ill., a copartnership composed of Seth B. Atwood and James T. Atwood
Application September 28, 1940, Serial No. 358,797
15 Claims. (Cl. 192—99)



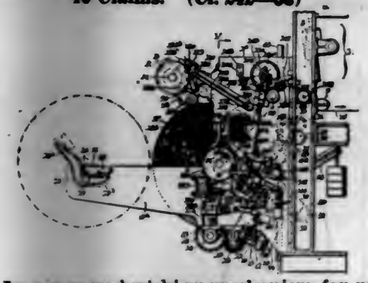
7. As an article of manufacture, an actuating lever for an over-center clutch comprising a bell-crank lever and three compound rollers rotatably mounted in inter-engaging relationship on one of the arms of said levers, each roller having two diameters, one larger than the other, the first of said rollers having the large diameter portion thereof projecting from said lever for engagement with a bearing surface in the clutch, the second of said rollers having its large diameter portion rollingly engaging the small diameter portion of the first roller, the second roller having the small diameter thereof rollingly engaging the large diameter portion of the third compound roller, and the third compound roller being adapted to pivotally support the lever on another clutch part movable toward and away from the first clutch part.

2,258,297
ORGANO-METALLIC DIESEL FUEL IGNITION PROMOTERS
Pharis Miller, Des Moines, Iowa, and Gould H. Cloud, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application July 23, 1938, Serial No. 221,015
3 Claims. (Cl. 44—9)

1. The method of operating compression igni-

tion engines of the high speed Diesel type which comprises injecting into the combustion zone of the engine a hydrocarbon Diesel fuel and shortening the ignition lag of said fuel by having present therewith an organo-metallic compound containing a metallic constituent selected from the class consisting of mercury and antimony directly linked to carbon atoms in alkyl radicals, said organo-metallic compound being present in an amount sufficient to decrease the ignition lag of the fuel.

2,258,298
PAPER REPLENISHING MECHANISM FOR ROTARY PRINTING PRESSES
Reginald R. Miller, Philadelphia, Pa., assignor to William F. Fischer, Philadelphia, Pa.
Application February 1, 1938, Serial No. 188,264
46 Claims. (Cl. 242—58)



1. In paper replenishing mechanism for printing presses, means for displacing a running paper roll, upon nearing exhaustion, from a normal position to another position to make room for substitution of a new roll; transfer means for delivering the new roll; a follower to cooperate with the running roll in normal position; means controlled by the follower and operative upon decrease of the running roll to a predetermined diameter while in normal position, to actuate the displacing means for repositioning of the running roll as aforesaid; means controlled by the displacing means and operative incident to displacement of the running roll as aforesaid to effect actuation of the transfer means so that the new roll is conveyed to the position vacated by the running roll in readiness to be later taken by the displacing means preparatory to a succeeding replenishing cycle; a second follower to cooperate with the running roll in displaced position; and means controlled by the second follower means and operative upon substantial exhaustion of the running roll in its displaced position, to connect its web to the new roll and to sever said web.

2,258,299
AUTOMATIC PUMPING
Robert P. Miller, San Gabriel, Calif.
Application August 15, 1938, Serial No. 224,887
10 Claims. (Cl. 103—234)

1. In a tubing string, well tubing, an extension suspended from the well tubing, a housing suspended from the extension, the extension being detachably connected to the well tubing and to the housing whereby extensions of different length may be interchangeably employed, an intake for displacement fluid leading to the interior of the tubing string, a valve controlling admission of displacement fluid to the housing, a conduit in the tubing string providing communication between said intake and said valve, said conduit being detachably supported so that conduits of different bore may be interchangeably employed, said conduit comprising telescopic sections whereby it may telescopically adapt itself to the length of the particular extension which is employed, and a valve controlling admission of production fluid to the housing, the said valves being adapted for dependent



automatic operation responsive to pressure differential for admitting production fluid to the housing while shutting off admission of displacement fluid and then trapping production fluid in the housing and admitting displacement fluid for elevating the trapped production fluid and then repeating the cycle of operation.

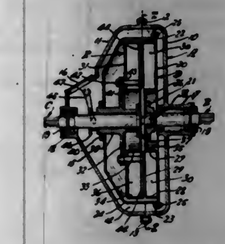
2,258,300
SOLID LUBRICANT
Arnold J. Morway, Roselle, and John C. Zimmer, Hillside, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application May 6, 1938, Serial No. 206,412
8 Claims. (Cl. 252—12)

1. An improved block grease comprising mineral oil, a small amount of kidney rosin oil and as the main soap ingredient an alkali soap obtained by saponification of a byproduct of wax oxidation obtained by neutralization of the crude oxidation product removal of unconverted wax, reacidification, and non-destructive distillation of the volatile acids under conditions to leave undisintegrated said non-distillable acidic residue byproduct free from acid having not more than 18 carbon atoms and the acids present having an average molecular weight of at least about 600.

2,258,301
LUBRICANT FOR THE LUBRICATION OF BALL BEARINGS AND SIMILAR ANTIFRICTION BEARINGS
Arnold J. Morway, Roselle, and Alan Beerbower, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application May 11, 1938, Serial No. 207,307
9 Claims. (Cl. 252—42)

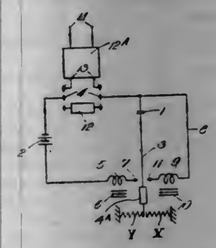
1. An anhydrous grease comprising a soda soap of a fatty acid, lubricating oil and a small amount of plasticizing agent consisting of non-distillable substantially neutral saponifiable material obtainable as a by-product of the oxidation of paraffin wax with removal of products which can be volatized without decomposition and acidic products, the amount of said neutral by-product being substantially less than half of the amount of acid used in making the soap.

2,258,302
HYDRAULIC CLUTCH
Adolph Ronning, Minneapolis, Minn.
Application March 13, 1939, Serial No. 261,507
5 Claims. (Cl. 60—54)



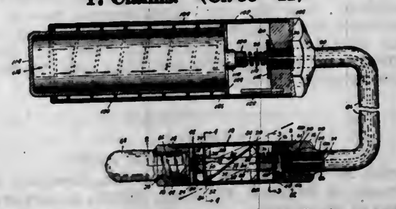
3. A hydraulic clutch comprising a pair of clutch elements having fluid pockets, plate members mounted in the pockets of one clutch element and movable therein for varying the volumetric capacity of the pockets, carrier members extending into said pockets and supporting the plate members therein, and means for adjusting the carrier members to move the plate members in the pockets.

2,258,303
APPARATUS FOR CONVERTING DIRECT CURRENT INTO PERIODIC VARYING CURRENT
Karl Hermann Schmidt, London, England, and Marius Widakowich, Vienna, Germany; said Widakowich assignor to said Schmidt
Application July 20, 1938, Serial No. 220,176
In Austria July 29, 1937
6 Claims. (Cl. 175—365)



1. Apparatus for converting direct current into periodic varying current, comprising a condenser arranged in a circuit including a direct current source, a circuit breaker located in the circuit of the condenser, an electro-magnetic device controlled by the current in the condenser circuit and arranged to hold the circuit breaker closed when current above a predetermined minimum is flowing through said electro-magnetic device, means associated with said circuit breaker and arranged to be held in tension whilst current above said minimum is flowing and for bringing said circuit breaker into an open position after the current has fallen below said minimum and at least one current consumer located in the condenser circuit.

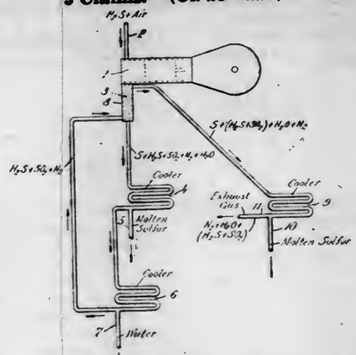
2,258,304
CAVITY CAMERA
Frank C. Stanton, Brookline, Mass.
Application March 22, 1939, Serial No. 263,389
17 Claims. (Cl. 95—11)



6. In a cavity camera, an enclosing casing having a lens aperture extended diagonally through the side wall of the casing, film supporting means arranged to support a film crosswise of the casing in line with said aperture, and shutter means controlling said aperture movable longitudinally of the casing, said shutter means including an elongated apertured plate confronting said lens aperture and slidable in a slot extended longitudinally of the casing, spring means for holding said plate with the aforesaid apertures out of alignment, and flexible means for moving said plate lengthwise of the casing to align the apertures.

9. In a cavity camera, a casing having a lens aperture therethrough, means for supporting a film in registration with said aperture, a light bulb at the end of said casing, a shutter structure for controlling said lens opening, a flexible electrically conducting supporting tube for said casing having an electrically conducting shutter operating member therein insulated from said tube, and means including said shutter mechanism for electrically connecting said light bulb with said tube and shutter operating member.

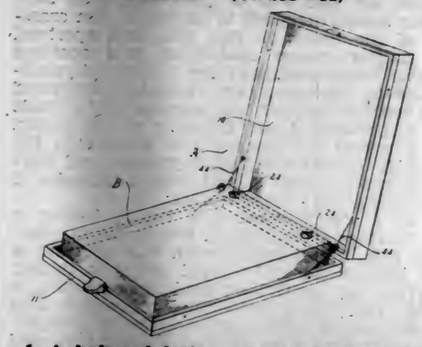
2,258,305
PRODUCTION OF SULPHUR FROM HYDROGEN SULPHIDE
Eugene D. Stirlen, New Haven, Conn., assignor to General Chemical Company, New York, N. Y., a corporation of New York
Application July 29, 1939, Serial No. 287,364
3 Claims. (Cl. 23—225)



1. The process for the production of sulphur from hydrogen sulphide and air which comprises operating an internal combustion engine on a fuel-air mixture of a hydrogen sulphide gas mixed with air in amount sufficient for partial combustion only of the hydrogen sulphide, there-

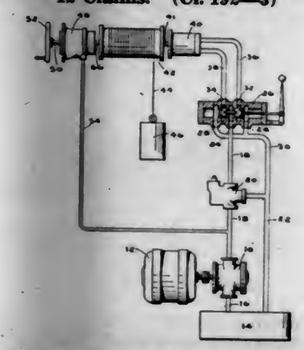
by forming an exhaust gas from said engine containing sulphur, hydrogen sulphide, sulphur dioxide and water, cooling said exhaust gas to a temperature at which sulphur condenses therefrom, further cooling the gas to condense water therefrom, heating the uncondensed gas to a temperature at which hydrogen sulphide and sulphur dioxide contained therein react to form sulphur and cooling the resulting gas to condense sulphur therefrom.

2,258,306
CONCEALABLE DESK PAD
Martin E. Trollen, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn., a corporation of Minnesota
Application July 21, 1939, Serial No. 285,682
5 Claims. (Cl. 281—44)



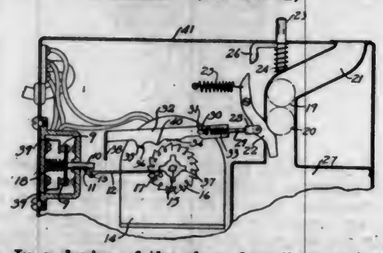
1. A desk pad device comprising a base, a cover hinged thereto movable between open and closed positions, spring means urging said cover into open position, a latch for holding said cover closed, a second spring means weaker than said first named spring means retarding movement of said cover into either open or closed position, and a pad of paper on said base.

2,258,307
POWER TRANSMISSION
Harry F. Vickers, Detroit, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application November 18, 1938, Serial No. 241,215
12 Claims. (Cl. 192—3)



1. In a power transmission system for driving a load device from either of two power sources, the combination with a shaft connected to the load device and to one of said power sources of a drive-released brake having its driving end connected to the other power source, a clutch connected between the driven end of the brake and said shaft, means for disengaging the clutch whenever power is applied from the first mentioned power source, and means engaging the clutch automatically when driving from the first power source is discontinued.

2,258,308
COIN-CONTROLLED WEIGHING SCALE
Lawrence S. Williams, Toledo, Ohio, assignor to Toledo Scale Company, a corporation of New Jersey
Application March 31, 1937, Serial No. 133,967
2 Claims. (Cl. 194—1)



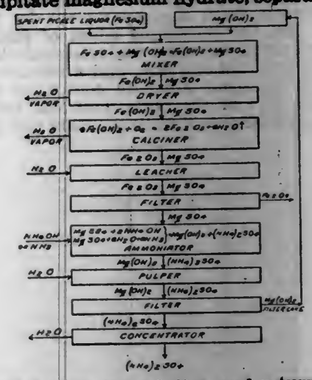
1. In a device of the class described, in combination, weighing means, means for measuring time periods each exceeding one hour's duration, means having a part engageable with a part of said weighing means to lock said weighing means against use, means controlled by said time period measuring means to move said parts after such time periods into locking engagement, coin-controlled means for resetting said time period measuring means, and means operated by said coin-controlled resetting means to move said parts out of engagement, whereby said weighing means is rendered usable for protracted series of weighments.

2,258,309
LUBRICANT
John C. Zimmer, Hillside, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application April 7, 1938, Serial No. 200,681
10 Claims. (Cl. 252—18)

1. An improved lubricant for metal working processes comprising an aqueous emulsion of a mineral lubricating oil to which has been added a filler consisting of a polyvalent metal salt of an acid selected from the class consisting of phosphoric, boric and hydrosulfuric acids, which salt is substantially insoluble both in oil and water.

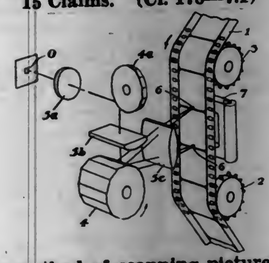
2,258,310
TREATMENT OF SPENT PICKLE LIQUOR OR THE LIKE
Frederick C. Abbott, Tulsa, Okla., assignor to Ozark Chemical Company, Tulsa, Okla., a corporation of Delaware
Application June 12, 1940, Serial No. 340,076
2 Claims. (Cl. 23—119)

1. A cyclic method of treating spent pickle liquor which comprises mixing magnesium hydrate with the liquor to produce a slurry of iron hydrate and a soluble magnesium salt, calcining the slurry to dehydrate it and oxidize the iron hydrate, dissolving the magnesium salt in water and separating the iron oxide from the magnesium salt solution, ammoniating said solution to precipitate magnesium hydrate, separating the



precipitate from the solution and returning it to the circuit with additional spent pickle liquor.

2,258,311
SCANNING METHOD
Albert Ernest Adams, Kensington, London, England, assignor to Scophony Limited, Wells, Somerset, England, a company of Great Britain
Application October 19, 1938, Serial No. 235,866
15 Claims. (Cl. 178—7.1)



1. In a method of scanning pictures of a film moved continuously at a rate of f_t pictures per second passing a given point fixed in space the steps in combination of causing a series of scanning spots to perform, over a scanning field embracing part of the picture film equal in area to one picture of the film and having its longer side disposed parallel to the longer side of any one of the film pictures, frame scanning movements in the direction opposite to the direction of the film movement and with a picture traversal frequency of f_m cycles per second, f_m being different from both f_t and $2f_t$, and of periodically changing the position of the scanning field relatively to said fixed point at a frequency f_d equal to the difference between $f_m - f_t$ and f_t by steadily moving the scanning field by the height of one film picture multiplied by $1/f_m$ times the lower one of the frequencies $f_m - f_t$ and f_t within a period of $1/f_t - 1/f_m$ seconds and in the direction of the faster one of the film and scanning spot movements, and by moving said scanning field back into its original position within a period of $1/f_m$ seconds.

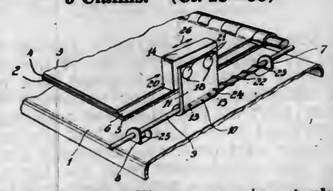
2,258,312
MOUTHPIECE
Rick Adkins, Chicago, Ill.
Application August 14, 1940, Serial No. 352,532
7 Claims. (Cl. 84—399)

1. A mouthpiece comprising a bell portion, a throat portion, and a coupling element for associating said throat and bell portions, a cooperating surface on said bell and throat portions, each disposed angularly with the longitudinal



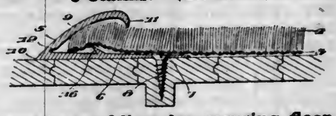
center of their respective portions and spherical clamping means associated with said coupling for tensioning said bell and throat portions at various radial positions.

2,258,313
FILM SCRAPER
Joseph M. Bing, New York, N. Y.
Application February 12, 1941, Serial No. 378,585
5 Claims. (Cl. 15—93)



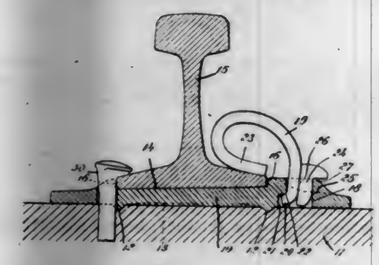
1. In a film handling apparatus, including a base and a plate arranged above said base and adapted to support a film with an end thereof reaching to a straight edge of said plate, a film scraping arrangement comprising two bearings on said base arranged under said straight plate edge at a certain distance from each other, a guide rod slidably and turnably carried by said bearings, a scraper support secured to said guide rod between said bearings, a scraper head carried by said scraper support slidably normal to the direction of said guide rod, and at least one spring arranged between said scraper head and said scraper support, pressing said scraper head away from said guide rod.

2,258,314
EDGE MOLDING
William L. Bonnell, Columbus, Ohio, assignor to The B. & T. Floor Company, Columbus, Ohio, a corporation of Ohio
Application May 13, 1940, Serial No. 334,888
3 Claims. (Cl. 16—7)



1. An edge molding for securing floor coverings comprising a strip-like body, a curved flange extending longitudinally of said body and connected at one edge thereto, said flange overhanging said body, the degree of curvature of said flange being increased and the thickness decreased adjacent its free edge to give the flange a claw-like cross section, the point of said claw being directed toward said body, and means formed with said body beneath said flange for engaging and holding floor covering materials positioned between said flange and body, said flange being capable of movement toward said body to force the claw-like edge into holding engagement with the floor covering resting on said body.

2,258,315
RAIL FASTENING
William S. Boyce, Denver, Colo., assignor to The Colorado Fuel and Iron Corporation, a corporation
Application May 18, 1940, Serial No. 335,879
15 Claims. (Cl. 238—349)



1. In combination, a tie plate having a rail seat and an opening on one side of the seat, a rail mounted on the seat, a spring lock in the opening including a laterally extending finger underlying part of the plate for resisting upward movement of the lock, the lock also including a flexible part extending inwardly over the rail base into engagement with the top of the base, the plate having a pivotal mounting for the lock in said opening on which the lock is pivotable transversely of the rail, and a retainer disposed wholly above the bottom of the plate and wedged in the opening between the outer face of the lock and the outer wall of the opening to bias the lock inwardly on its pivot and thereby urge the flexible part against the rail base and distort said part, the retainer having a part in the opening increasing in thickness toward its lower end and the lock exerting a lateral reactive force on the retainer to urge the same against the outer face of said opening and thereby secure the retainer against accidental removal from the opening.

15. In combination, a tie plate having a rail seat and an opening on one side of the seat, a rail mounted on the seat, a spring lock in the opening including a part underlying a portion of the plate for resisting upward movement of the lock, the lock also including a flexible part extending inwardly over the rail base into engagement with the top of the base, the plate having a pivotal mounting for the lock on which the lock is pivotable transversely of the rail, and a retainer wedged in the opening between the outer face of the lock and the outer wall of the opening to bias the lock inwardly on its pivotal mounting and thereby urge the flexible part against the rail base and distort said part, the retainer being tilted outwardly under the reactive force of the spring lock and having means operable in the tilted position of the retainer to secure the retainer against accidental removal from the opening.

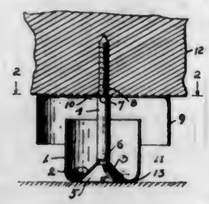
2,258,316
FLEXIBLE POCKET RECEPTACLE
Warner E. Buxton, Longmeadow, Mass., assignor to Buxton, Incorporated, Springfield, Mass., a corporation of Massachusetts
Application November 20, 1940, Serial No. 366,341
5 Claims. (Cl. 150—39)

1. A pocket receptacle, comprising, outer and inner substantially rectangular walls of stiffly flexible material and of substantially equal area superposed one upon the other and secured together along one side edge and one end edge to form between them a compartment for papers and the like, the remaining edges of said walls being unsecured, whereby the receptacle is open along one end and one side, and a retaining flap of flexible material hingedly connected to the other side edge of the outer wall and normally extending between said walls to retain said papers



between it and the outer wall, said flap being of greatest width near the open end and of least width near the closed end of the receptacle and having its inner and free edge sloping from the point of maximum width to the point of minimum width, said edge engaging the inner surface of the inner wall as the retaining flap is swung toward a position outwardly of the compartment to thereby spread the inner and outer walls.

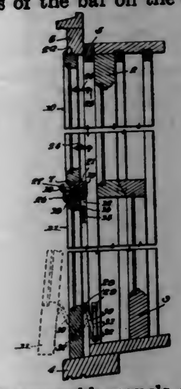
2,258,317
ANTPROOF DOME
Forrest G. Clipper, San Jose, Calif.
Application May 14, 1940, Serial No. 335,121
2 Claims. (Cl. 43—109)



1. A device of the character described comprising, a shelf supporting device including a cup-shaped element having a screw passing axially therethrough with its head seated in the bottom thereof, and having a shoulder formed thereon at a point spaced above the top level of the cup, an inverted cup-shaped member seated on the shoulder to encompass the cup-shaped element, the screw being threaded from the shoulder to its adjacent end to permit its entering the shelf to the shoulder.

2,258,318
WINDOW ACCESSORY
David L. Cross, West Orange, N. J.
Application April 23, 1940, Serial No. 331,249
8 Claims. (Cl. 20—55)

1. In combination with a conventional window frame provided with stops and sliding sashes, a bar extending horizontally to opposite sides of the frame at a level between the top of the frame and the sill providing upper and lower openings in which to seat interchangeably screened panels and glazed panels, means for detachably supporting the ends of the bar on the said sides of



the frame, and removable panels seated in said openings.

2,258,319
METHOD FOR THE CONTROL OF JAPANESE BEETLE
Samson R. Dutky, Moorestown, N. J., assignor to Claude R. Wickard, as Secretary of Agriculture of United States of America, and his successors in office
No Drawing. Application March 15, 1940, Serial No. 324,097
2 Claims. (Cl. 167—13)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A method for the control of Japanese beetle, which comprises disseminating in the soil the resistant stages of *Bacillus popilliae*.

2. A method for the control of Japanese beetle, which comprises disseminating in the soil the resistant stages of *Bacillus lentimorbus*.

2,258,320
MONOALKYLOL CYANAMIDE CONDENSATION PRODUCT
Walter P. Ericks, Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application June 10, 1939, Serial No. 278,456
11 Claims. (Cl. 260—248)

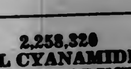
1. A surface-active composition comprising the condensation product of an aliphatic monocarboxylic acid with a monoalkylol cyanamide.

2,258,321
CONDENSATION PRODUCTS OF AMINES AND MONOALKYLOL CYANAMIDES
Walter P. Ericks, Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 12, 1939, Serial No. 289,833
7 Claims. (Cl. 260—564)

1. Condensation products of the structural formula

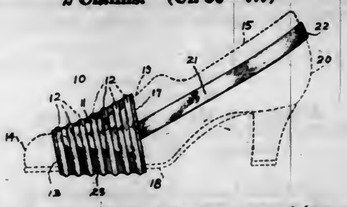


in which R is one of the group consisting of alkyl, alkoxyalkyl and hydroxyalkyl radicals, R_1 is one of the group consisting of an alkyl radical having at least 4 carbon atoms, an aralkyl radical having at least 3 carbon atoms in an alkyl group, and an aryl radical, R_2 is one of the group consisting of hydrogen, alkyl, aralkyl and aryl radicals, R_3 is one of the group consisting of hydrogen and the residue



wherein R is as defined above, and X is a salt-forming acid, said products ranging from oily to waxy materials and being producible by heating an amine of the formula R_1NHR_2 in which R_1 and R_2 are as defined above together with a monoalkylol cyanamide of the formula $(NCNH.ROH)_n$ in which R is as defined above and n is a number not greater than 2, in the presence of an acid at least as strong as acetic acid.

2,258,322
ANTISKID SHOE DEVICE
Lili K. Frolich, Louisville, Nebr.
Application March 31, 1941, Serial No. 385,985
2 Claims. (Cl. 36—7.7)

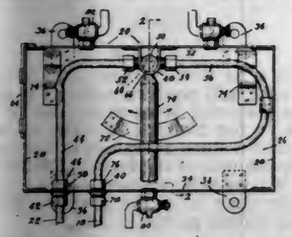


1. An anti-skid shoe device comprising a flexible cloth member having an open narrower end and an oppositely disposed wider open end; oppositely disposed side wall portions; said walls being disposed convergently with respect to each other from said wider end toward said narrower end, a bottom portion disposed between and secured to said side wall portions, whereby said member may be readily disposed snugly across the instep, sole of said shoe and the ball of a person's foot carrying said shoe, said member being provided with a plurality of elastic bands disposed across and secured to said bottom portion, opposite ends of said bands being respectively secured to said side wall portions, those portions of said bands disposed across said bottom being of a normal length less than the transverse distance of said bottom, and an elongated resilient strap having its ends respectively secured to opposite sides of said cloth member, the closed end of said strap being adapted to engage across the upper portion of the heel of said shoe for preventing movement of said member away from said heel, said bottom portion being rugose for preventing skidding movements of said foot during walking movements of the latter, said bottom portion being adapted to contract under urge of said elastic bands and to expand against the urge of said bands during said walking movements, whereby snow and the like debris becomes freed from said bottom portion during use.

2,258,323
AUTOMATIC FUEL SHUTOFF FOR VEHICLES
James E. Gray, Charlestown, Mass.
Application March 18, 1939, Serial No. 262,797
12 Claims. (Cl. 180—82)

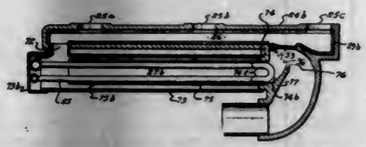
1. A safety device for motor vehicles having a

conduit for fuel from a fuel tank to a pump and carburetor having in combination, a valve in the conduit between said tank and said pump and carburetor, a casing surrounding said valve, a weighted member within said casing connected to the valve for automatically closing the valve to shut off the flow of fuel when the vehicle overturns, means in said chamber yieldingly engaging



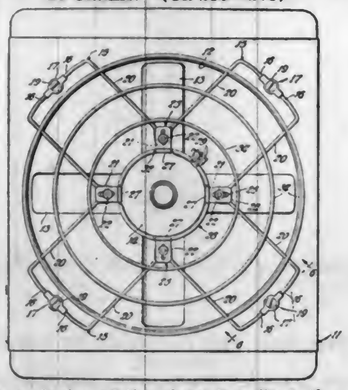
said weighted member for checking undue oscillation of said weighted member to maintain the valve open during normal operation of the vehicle, and means for maintaining the weighted member in valve closing position after the vehicle has been overturned, said last mentioned means and said engaging means being arranged to urge said weighted member in a valve seating direction.

2,258,324
HEATER
Edmund E. Hans, Detroit, Mich.
Application October 26, 1936, Serial No. 107,517
4 Claims. (Cl. 257—241)



1. A device of the character described comprising, a manifold casting having an elongated exhaust compartment therein and having a plurality of inlet openings extending through one wall thereof to said compartment at spaced intervals therealong, said openings being aligned with and coacting with exhaust ports in an associated engine to receive exhaust gas from said engine, said manifold also having a main outlet port at one end thereof which communicates with one end of an exhaust chamber formed in an extension which is cast integrally with said manifold, the other end of said chamber being connected to an exhaust pipe, said extension having a port formed therein intermediate of its ends, a tubular housing detachably extending between said intermediate port and a secondary outlet port in the opposite end of said manifold, an operable valve mounted in said manifold adjacent to said main outlet port which in one position closes said main outlet port and opens said intermediate port and in its other position opens said main outlet port and closes said intermediate port whereby exhaust gases from said compartment may flow directly therefrom to said exhaust pipe or may be deflected through said tubular housing before entering said exhaust pipe, a heat exchanger extending lengthwise through said tubular housing, and an inner tube extending within said housing and spaced therefrom, said inner tube being disposed around said heat exchanger and being secured to said extension member for the purpose described.

2,258,325
COMBINATION FAN GUARD AND MOTOR MOUNTING
Theodore Hess, Prairie View, Ill., and Richard C. Jepertinger, Milwaukee, Wis., assignors to Modine Manufacturing Company, Racine, Wis., a corporation of Wisconsin
Application May 18, 1939, Serial No. 274,396
10 Claims. (Cl. 230—273)



1. In a device of the class described, the combination with a housing having an opening therein, a fan in said opening and a motor for said fan, of a plurality of supporting frames mounted on said housing adjacent said opening and having inwardly extending arm portions forming annularly spaced junctures adjacent their inner ends, a clamping ring adapted to receive a fan motor casing, a plurality of radially extending brackets operatively related to said ring and adjustably connected, respectively, to the junctures of said arms, and a plurality of guard members adjacent said arms between the inner and outer end portions thereof.

2,258,326
SCREWHEAD
Grant J. Holt, Melrose, Mass.
Application February 23, 1940, Serial No. 320,256
2 Claims. (Cl. 85—45)

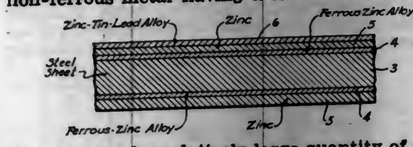


2. A screw-head having a diametrical slot adapted to receive the end of a screwdriver, said head also having a pair of radial slots at right angles to said diametrical slot, the bottom of each radial slot sloping downwardly and outwardly from approximately the top surface of the head to a point below the level of the bottom of said diametrical slot.

2,258,327
COATED METALLIC SHEET
Andrew A. Kramer, Kansas City, Mo.
Original application April 24, 1937, Serial No. 138,813. Divided and this application August 25, 1937, Serial No. 160,802
6 Claims. (Cl. 29—181)

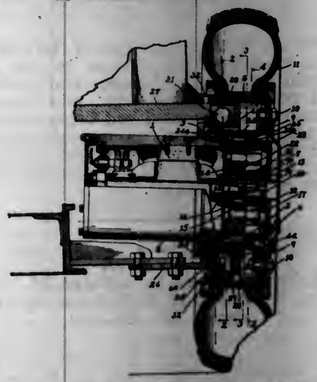
1. A steel sheet having a protective coating thereon comprising an inner ferrous zinc alloy zone adjacent the steel body portion of the sheet,

an intermediate zone of substantially pure zinc, and an outer flexible zinc alloy zone extending to the exposed surface of said coating, said flexible alloy containing a relatively small quantity of a non-ferrous metal having a lower melting point



than zinc and a relatively large quantity of zinc, said outer zone having a sufficient percentage of zinc therein to retain the corrosion resisting characteristics of a zinc coating at the exposed surface thereof.

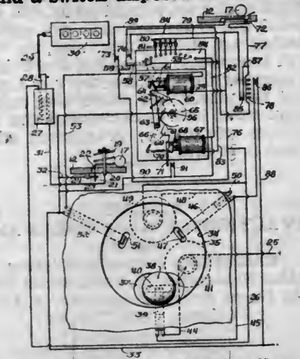
2,258,328
DRIVING WHEEL
Arthur L. Lee, Oakmont, Pa., and James H. Fletcher, Wilmette, Ill., assignors, by mesne assignments, to Lee-Norse Company, a corporation of Pennsylvania
Application January 4, 1940, Serial No. 312,430
13 Claims. (Cl. 180—42)



1. In a self-powered vehicle-wheel the combination of an electrical motor, a rotor structure having an internal gear therein, a speed-reducing gear train operative between the motor and the rotor structure and comprising an ultimate gear meshing with the internal gear of the rotor structure, mounting structure non-rotatable under the driving forces for the wheel providing housing for the motor and the gear train, load-sustaining elements mounted to transmit the load of a vehicle to which the wheel is applied to said mounting structure, and bearings on said mounting structure placed with respect to the plane of driving defined by the said internal gear to transmit the sustained load to the rotor structure of the wheel in approximate coincidence with the driving forces applied to it.

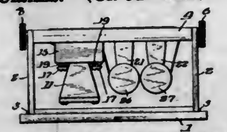
2,258,329
BALL ROLLING GAME
Bon G. MacDougall, Alfred F. Chouinard, and Frank G. Nicolaus, Chicago, Ill., assignors to Raymond T. Moloney, Chicago, Ill.
Application December 15, 1938, Serial No. 245,940
13 Claims. (Cl. 273—118)

1. A ball rolling game having a table provided with a pocket, a magnetizable ball remaining captive in the pocket but free to roll therein, a normally open electric circuit provided in the game and including a coil disposed below the pocket, and a switch disposed in the circuit and



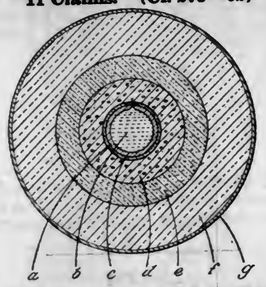
acting when closed to energize the coil and create a magnetic field to attract and cause the ball to move in the pocket.

2,258,330
FINGER PRINTING DEVICE
Samuel E. Miller, Aurora, Ill.
Application February 18, 1938, Serial No. 191,181
4 Claims. (Cl. 91—54.5)



1. In a device for inking objects, the combination of a plate, a closed ink reservoir carried thereby, an outlet in said reservoir adjacent one face of said plate, and a ribbon passing between said outlet and plate and extending along the opposite face of the latter to provide an object inking surface.

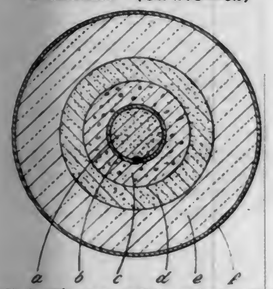
2,258,331
MANUFACTURE OF GOLF BALLS AND THE LIKE
Ellis Miller, Brussels, Belgium
Application September 25, 1937, Serial No. 165,641
In Great Britain September 8, 1937
11 Claims. (Cl. 273—62)



1. A ball having a central core consisting of a globule of metallic mercury restrained from shifting outside of the geometrical center of the ball and acting to fix within it and thereby stabilize the centroid of the ball, and, wherein the mercury globule is contained in a flexible hollow

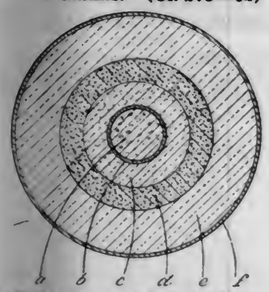
member which is surrounded by successive layers of (*a*) rubber, (*b*) a mixture of granulated cork, rubber and kauri resin, (c) a mixture of rubber, granulated nickel and kauri resin, (*d*) strip rubber wound under tension and (*e*) gutta percha constituting an outer cover, and, in which the weight of mercury is 2.8 grams, the weight of the hollow member for the mercury is 0.6 grams, the weight of the mixture of granulated cork, rubber, and kauri resin is 2.4 grams, and the weight of the mixture of rubber, granulated nickel and kauri resin is 10 grams.

2,258,332
MANUFACTURE OF GOLF BALLS AND THE LIKE
Ellis Miller, Brussels, Belgium
Application September 25, 1937, Serial No. 165,642
In Great Britain September 8, 1937
6 Claims. (Cl. 273—62)



1. A ball having a solid, substantially homogeneous molded core proper consisting of a mixture of rubber, granulated pure, elemental nickel and kauri resin.

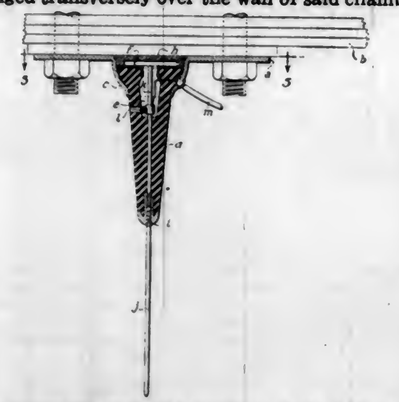
2,258,333
MANUFACTURE OF GOLF BALLS AND THE LIKE
Ellis Miller, Brussels, Belgium
Application September 25, 1937, Serial No. 165,643
In Great Britain September 8, 1937
7 Claims. (Cl. 273—62)



1. A ball having a solid, substantially homogeneous molded core proper consisting of a mixture of granulated cork, rubber and kauri resin.

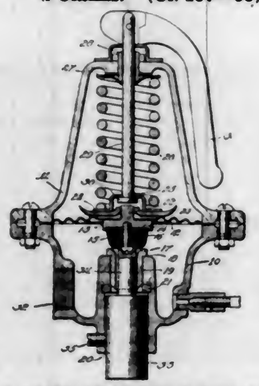
2,258,334
TIRE DEFLATION INDICATING MEANS
Fred A. Miller, Oregon City, Oreg.
Application December 15, 1939, Serial No. 309,388
3 Claims. (Cl. 200—58)

1. An electrical tire deflation indicator comprising a cup-shaped holder adapted to be affixed to a vehicle chassis adjacent a wheel, a pendant, universally-flexible leg of insulating material having a flaring head adapted to be affixed in said cup-shaped holder, said leg having in its upper end an axially-extending cylindrical chamber, the lower end of said leg being normally spaced from the ground, a conductor-ring arranged transversely over the wall of said chamber



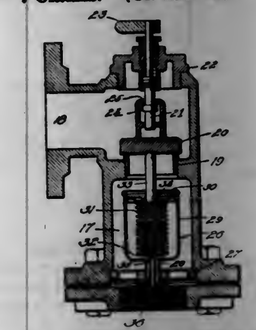
and connected with one terminal of the indicator, a conducting-rod axially carried by the upper part of said leg in said chamber and projecting over and normally spaced from said conductor ring in said chamber, said rod being connected with the other terminal of said indicator, whereby upon the lateral flexing of said leg by contact thereof with the ground said rod is caused to close the circuit of the indicator.

2,258,335
RELIEF VALVE
Robert E. Moore, Park Ridge, Ill.
Application September 23, 1940, Serial No. 357,845
2 Claims. (Cl. 137—53)



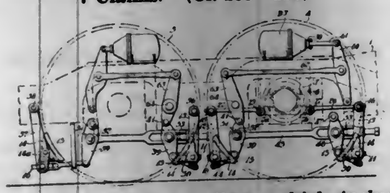
2. In a relief valve for a hot water heating system comprising a valve casing part integrally provided with a smooth surface passage for receiving one end of a drain pipe when the valve is connected in a system, the end of the passage within the part being arranged as a valve seat, a valving element spring actuated to engage the seat and close the passage, means for opening the element at a predetermined pressure to relieve water through the pipe when the valve is connected in a system, and means for preventing the element from sticking to the seat and acquiring a permanent set or deformation prior to connection comprising a temporary, smooth surface plug mounted in the passage in abutting relation to and holding the element out of contact with the seat, and a common set screw for holding the plug in element displacing position prior to connection in a system and for holding the pipe in drain position when the valve is connected in a system.

2,258,336
HEATING SYSTEM
Robert E. Moore, Park Ridge, Ill.
Application September 23, 1940, Serial No. 357,846
7 Claims. (Cl. 237—8)



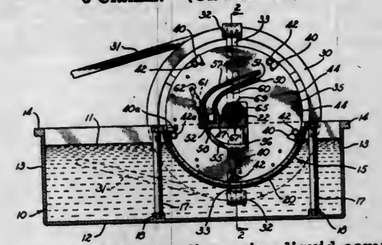
4. Apparatus for preventing overheating of the boiler water of a heating system equipped with a room thermostat comprising a housing for insertion in the supply line leading from and sufficiently close to the boiler to insure that the water in the housing inlet is substantially at boiler temperature, a valve for controlling flow through the housing and adapted to be opened in response to the demand of the thermostat for heat, and thermostatic means comprising a hollow casing located in the housing inlet, a collapsible chamber within the casing constantly filled with water at boiler temperature, and a stem secured to a wall of the chamber and projecting through the casing into operating relation to the valve, the casing containing a liquid in heat exchange relation to the water in the housing and chamber whereby a predetermined rise in temperature of the liquid effects a collapse of the chamber and an opening of the valve by the stem.

2,258,337
BRAKE RIGGING
Emil G. Mueller, Swissvale, Pa., assignor to The American Brake Company, Swissvale, Pa., a corporation of Missouri
Application December 31, 1938, Serial No. 248,652
7 Claims. (Cl. 188—190)



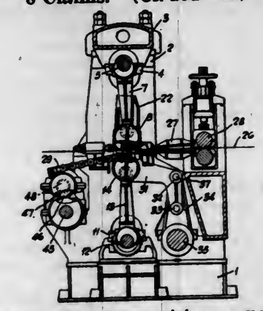
1. In combination, a railway vehicle including a frame and a wheel and axle assembly arranged for lateral movement with respect to said frame, a brake beam carrying brake shoes for cooperation with the wheels of said wheel and axle assembly, hangers for supporting said brake beam pivoted on pins mounted for lateral sliding movement relative to said frame, and means including a bar connecting said pins and responsive to lateral movement of said wheel and axle assembly for moving said pins and hence said hangers and said brake beam laterally to maintain said brake shoes in lateral alignment with said wheels.

2,258,338
MEANS FOR CONTINUAL DISPENSATION OF LIQUID AT A CONTROLLED RATE
Robert N. Park, Los Angeles, Calif.
Application December 19, 1939, Serial No. 309,991
6 Claims. (Cl. 221—97)



1. An apparatus for dispensing liquid comprising in combination: a liquid reservoir; a rotary carrier above said reservoir; at least one receptacle mounted on said carrier to be moved thereby in a circular path, said receptacle being mounted at an angle to cause the receptacle to dip liquid from said reservoir at a lower portion of its circular path and to spill the liquid across a dripping zone extending over a substantial range of the upper portion of the circular path, said carrier being adapted to rotate sufficiently slowly to cause the liquid to be discharged in discrete drops distributed progressively over the dripping zone; and means to receive and dispense the dripped liquid, said receiving means being adjustable with respect to its effective extent across said zone in the direction in which said drops are progressively distributed.

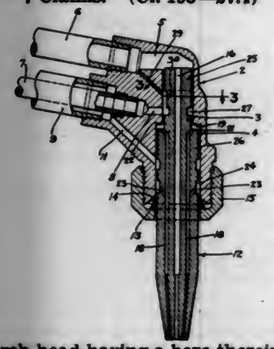
2,258,339
RECIPROCATING SHEAR
Maurice P. Sieger, Pittsburgh, Pa., assignor to United Engineering and Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 3, 1940, Serial No. 350,361
8 Claims. (Cl. 164—49)



1. A flying shear comprising a pair of oscillatable blade carriers, blades mounted thereon,

means for reciprocating the blades to cut strip material passing between them, a toggle joint, an adjustable support pivotally connected to one end of said toggle, means operatively connecting the opposite end of said toggle to said blade carriers, means for periodically moving said toggle toward and away from straightened position to swing said carriers in the direction of movement of the strip during each cut, and means for adjusting said support to change the distance traveled by said opposite end of the toggle whereby to change the linear speed of the blades for synchronizing it with the speed of the strip at the time of each cut.

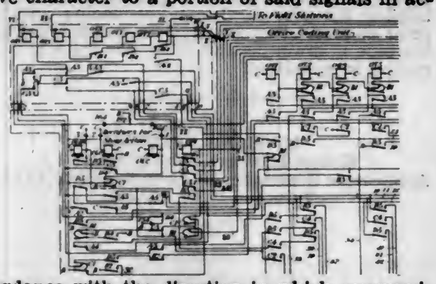
2,258,340
CUTTING TORCH
Elmer H. Smith, Minneapolis, Minn., assignor to Smith Welding Equipment Corporation, Minneapolis, Minn., a corporation of Minnesota
Application August 11, 1939, Serial No. 289,616
7 Claims. (Cl. 158—27.4)



1. A torch head having a bore therein provided with means at its inner end for supplying high pressure oxygen thereto, a passage for delivering acetylene to said bore at a point spaced from the inner end thereof, means for supplying preheating oxygen to said bore, a torch tip having its inner end portion received in said bore between the high pressure oxygen supply means and said acetylene passage and provided with a central cutting oxygen duct which is in direct communication with said high pressure oxygen supply means, a combustible mixture chamber in communication with said acetylene supply passage, means for supplying preheating oxygen to said chamber, said tip having a preheating mixture duct therein which is in communication with said combustible mixture chamber, and the walls of said bore and inner end portion of the torch tip being spaced apart and cooperating to provide a restricted passage through which a portion of the high pressure oxygen delivered to the inner end of the bore may pass to the combustible mixture chamber, when oxygen is supplied to the cutting oxygen duct, thereby to compensate for deficiency of oxygen in the preheating flame.

2,258,341
REMOTE CONTROL SYSTEM
Clarence S. Snavely, Pittsburgh, Alfred B. Miller, Edgewood Borough, and Robert H. Tunell, Wilkinsburg, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application May 18, 1931, Serial No. 538,380
139 Claims. (Cl. 246—5)

100. A remote control system comprising, two spaced locations connected by line wires, means for transmitting signals to said line wires for communicating between said location in either direction, means at each said location for initiating said transmitting means and imparting distinctive character to a portion of said signals in ac-



cordance with the direction in which communication is to be established, and means at each of said locations selectively responsive to the character of said portion of the signals for continuing the effective operation of the said transmitting means.

2,258,342
FASTENING DEVICE
George A. Tinnerman, Rocky River, Ohio, assignor, by mesne assignments, to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Original application July 31, 1936, Serial No. 93,679, now Patent No. 2,159,573, dated May 23, 1939. Divided and this application October 15, 1938, Serial No. 235,275
1 Claim. (Cl. 85—32)



A unitary nut and nut holding device comprising a nut having generally horizontal grooves on opposed sides thereof and a nut holder comprising a strip of sheet metal bent to provide a pair of arms extending in the same general direction for receiving therebetween an apertured part to be secured, one of said arms of the nut holder being provided with a slot having an open end receiving the nut and defining a pair of spaced holding elements having generally curved plane surfaces, said nut being applied to the open end of said slot with said holding elements received in said grooves thereon and the generally curved plane surfaces of said holding elements in resilient engagement with the adjacent walls of said grooves for frictionally retaining the nut in assembled relation with the nut holder.

2,258,343
STRAIN RELIEVER FOR ELECTRICAL CONDUCTORS
George Walker, Passaic, N. J.
Application April 12, 1940, Serial No. 329,264
6 Claims. (Cl. 173—322)

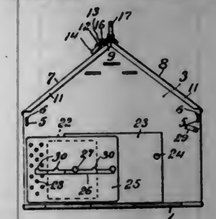
1. A strain reliever for an electrical conductor, which consists of a U-shaped wafer of insulating material which is fracturable into two parts which can be brought together to assume a washer-like shape and grip the insulation of an electrical conductor and a distortable non-resilient metal

rim surrounding the outer edge of said wafer both before and after application to said conductor



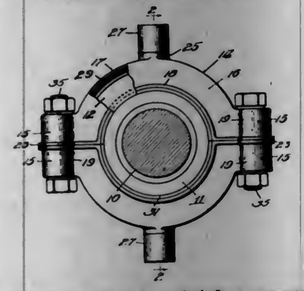
and forming means for fracturing said wafer and for retaining it in insulation-gripping position.

2,258,344
COLLAPSIBLE COOP
Richard A. Walker, St. Joseph, Mo.
Application July 22, 1940, Serial No. 346,760
4 Claims. (Cl. 119—19)



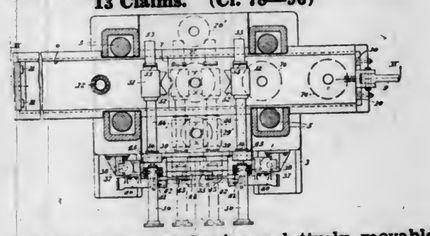
1. In a coop having a wall provided with a doorway, an imperforate door pivoted to said wall so as to be swung to and from a position in which it will leave a portion of said doorway open, an auxiliary door having a longitudinal slot, and supporting means on said pivoted door extending through said slot and supporting said auxiliary door, when said pivoted door is in said position, so that said auxiliary door may be slid horizontally longitudinally to and from a position closing said open portion of said doorway and held from accidental movement from the position to which it is adjusted.

2,258,345
CLUTCH THROWOUT COLLAR
Nicholas F. Adamson, Racine, Wis., assignor to Twin Disc Clutch Company, Racine, Wis., a corporation of Wisconsin
Application May 29, 1940, Serial No. 337,859
7 Claims. (Cl. 192—98)



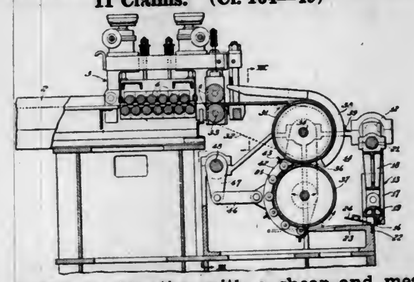
1. A throwout collar for clutches comprising a pair of identical, complementary stampings abutting along the diameter of the collar, each stamping including a pocket for receiving a part bearing insert and an aperture diametrically related to the aperture in the other stamping, a trunnion pin mounted in each aperture, and means for securing the stampings together.

2,258,346
FORGING PRESS
Davitt S. Bell, Pittsburgh, and Byron W. Dunham, Oakmont, Pa., assignors to Edgewater Steel Company, Oakmont, Pa., a corporation of Pennsylvania
Application June 13, 1938, Serial No. 213,462
13 Claims. (Cl. 78—96)



1. A forging press having relatively movable head and bed members, a reciprocable slide on each member, a plurality of dies on each slide movable by reciprocation of the respective slides into and out of position to cooperate with a selected die on the opposite slide, and a manipulator between the head and bed members movable crosswise and up and down with respect to the slides for engaging the work piece being operated upon and holding it in a position clear of the dies while either of the slides is being shifted and for shifting it crosswise of the slides.

2,258,347
SHEAR
Florence C. Biggert, Jr., Pittsburgh, Pa., assignor to United Engineering and Foundry Company, Pittsburgh, Pa.
Application March 16, 1940, Serial No. 324,334
11 Claims. (Cl. 164—49)

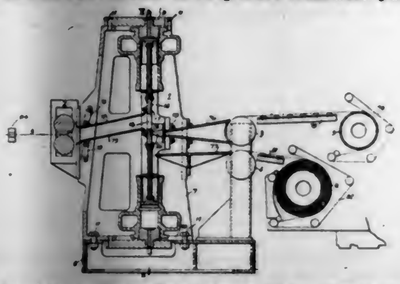


1. The combination with a shear and means for feeding strip material continuously thereto, of means comprising a pair of superposed rollers one of which is pivotally mounted for limited oscillatable movement about the other disposed between said feeding means and shear in engagement with the strip and forming a circuitous path of travel therefor, guide means partially encircling said pivotally mounted roller, and means for periodically moving said pivotally mounted roller of said strip-engaging means away from the shear to lengthen said path of travel while the strip is being cut by the shear into predetermined lengths.

2,258,348
SHEAR
Florence C. Biggert, Jr., Pittsburgh, Pa., assignor to United Engineering and Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 4, 1940, Serial No. 351,292
13 Claims. (Cl. 164—49)

10. A shearing assembly for severing continu-

ously-moving strip material comprising a supporting frame, a yoke member arranged for reciprocating movement in said frame and having an opening therein through which the material may pass, cutting elements provided on opposite edges of said opening, a stationary element supported in said frame to cooperate with said yoke-



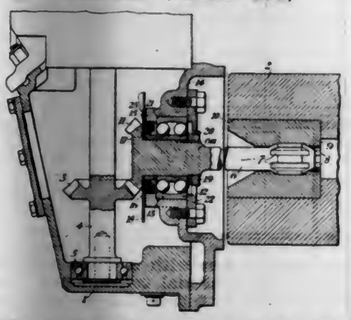
supported cutting elements to effect severing of the strip when the yoke is moved in opposite directions, means for actuating said yoke in opposed directions, said stationary-cutting element being shaped to deflect the severed material in different directions, and means for delivering the strip material through the opening in said yoke.

2,258,349

DRIVE MECHANISM FOR AXLE DRIVEN SPEED RESPONSIVE DEVICES FOR RAILWAY TRAINS

Herbert L. Bone and John W. Livingston, Forest Hills, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application August 3, 1940, Serial No. 350,592
4 Claims. (Cl. 105—96.1)



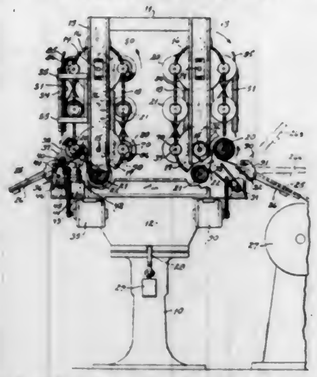
1. The combination with a vehicle axle, of a first bevel gear rotatably mounted adjacent one end of the vehicle axle in a position fixed with respect to the vehicle, a drive shaft operatively connected at one end with said axle by means which allows said shaft to tilt in all directions from the position in which it aligns axially with the axle and provided at the other end with a second bevel gear which meshes with said first bevel gear, and a self aligning bearing supporting said shaft adjacent said bevel gear, said bearing being so placed with respect to said second gear that tilting of said drive shaft relative to said axle will move the teeth of said second gear in a direction nearly parallel to the axes of the teeth, whereby variations in the meshing depth of the teeth of said gears caused by tilting of the drive shaft relative to the axle is reduced to a minimum.

2,258,350

STOCK FEEDER

Henry C. Bostwick and Edward C. Kastner, Akron, Ohio, assignors to The Akron Standard Mold Company, Akron, Ohio, a corporation of Ohio

Application August 1, 1940, Serial No. 349,319
8 Claims. (Cl. 154—10)



2. In a tire building machine, the combination of a frame, a strip supply unit mounted upon the frame and including a plurality of pairs of strip storing rolls, means to rotate one of the storing rolls for winding material thereon, and means acting upon the roll consequent upon the shifting thereof toward a discharge station to partially unwind it so as to present a portion of the material for withdrawal at the discharge station.

2,258,351

ADVERTISING HOROSCOPE MACHINE

Horace G. Brown, Jr., Los Angeles, Calif.

Application November 24, 1939, Serial No. 305,942
4 Claims. (Cl. 40—34)



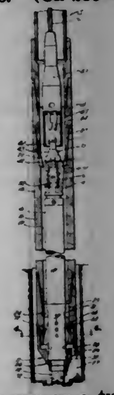
1. A casing having a face plate overlying an annular area, a master disk supported by said casing to rotate about an axis concentric with said annular area, a composite disk composed of a multiplicity of superimposed sheets each having a horoscopic printed area, means to mount said composite disk on said master disk in a concentric overlying relation to a face thereof, said sheets being individually detachable to successively display new areas of their printing matter, a cover overlying said composite disk, said cover having a horoscope window through which said horoscopic matter is observable, means to rotate said master disk in a timed step by step fashion to bring said horoscopic printed areas into view through said horoscope window, and a series of zodiacal signs visibly mounted upon the outer peripheral portion of said face plate, said signs each portraying, astrologically, a sign of the zodiac and having juxtaposed thereto designations of the calendar days allotted to such sign, thereby acquainting an observer with the zodiacal sign which governs the date of his birth, whereby to enable him to ascertain what horoscope reading in the said printed horoscopic areas applies to him, in order that he may give it attention when it appears in said horoscopic window.

2,258,352

CORE DRILL

Alfred C. Catland, Alhambra, and Philip C. Efromson, Whittier, Calif., assignors of one-half to Globe Oil Tools Company, Los Nietos, Calif., a corporation of California

Application November 27, 1939, Serial No. 306,260
9 Claims. (Cl. 255—72)



1. A core drill for use on a tubular rotary well drilling string comprising a tubular body for attachment to the string, a tubular cutting head on the lower end of the body, a barrel to be lowered through the string into the body to receive the core formed by the cutting head, a bit to be lowered through the string into the body when the barrel is not in use and operable to drill away the core, means at the head for supporting the lower ends of the barrel and bit, position means for transmitting rotation from the body to the bit comprising an internal rib in the body adjacent the head having a radial forward face and a pitched rear face, and a yieldable dog on the bit cooperable with the rib, a latch ring rotatably supported in the body, a carrier attachable to the upper end of the barrel and the upper end of the bit, and spring urged latches on the carrier for engaging the ring to hold the barrel and the bit in their operative positions in the body.

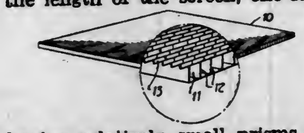
2,258,353

LIGHTING APPARATUS

Leroy C. Doane, Meriden, Conn., assignor to The Doane Products Corporation, Meriden, Conn., a corporation of Connecticut

Application July 8, 1939, Serial No. 283,344
6 Claims. (Cl. 240—93)

1. An elongated louver screen for use with linear light sources comprising a sheet of homogeneous material having substantial thickness and formed to provide transverse transparent portions for direct transmission of light and alternate relatively narrow light modifying portions, constituting the louvers of said screen, for limiting the spread of directly transmitted light along the length of the screen, one face of the



sheet having relatively small prisms extending lengthwise of the screen to provide a light refracting profile which effects a controlled deviation of the light in planes transverse to the length of said screen.

2,258,354

LUMINAIRE

Leroy C. Doane, Meriden, Conn., assignor to The Doane Products Corporation, Meriden, Conn., a corporation of Connecticut

Application August 3, 1940, Serial No. 350,731
6 Claims. (Cl. 240—93)



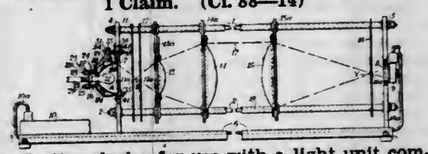
1. In a luminaire, the combination with a linear light source and an apertured light enclosure about the light source, of a closure and window forming element for said aperture, all substantially of the same length, said element being constituted in a sheet of material having substantial thickness and substantially all of its area transparent from face to face for directional transmission of light, said sheet being divided into a plurality of transparent portions by relatively thin transversely extending translucent portions which function as louvers to limit the spread of directly transmitted light and to transmit diffused light so as to have a perceptible brightness when viewed at angles beyond the cutoff limit of directly transmitted light in planes including the axis of the light source.

2,258,355

TEST AND FOCUSING MEANS FOR LIGHT SIGNALS

Myrl R. Douglass, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

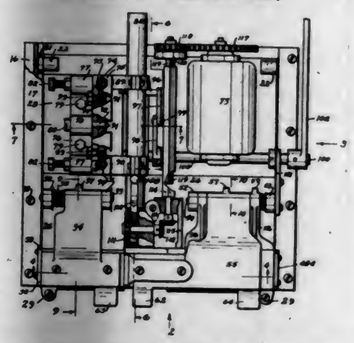
Application February 10, 1940, Serial No. 318,383
1 Claim. (Cl. 88—14)



A testing device for use with a light unit comprising a reflector having conjugate foci and an electric lamp the filament of which is adapted to be accurately located at one of the foci of said reflector, said device comprising a plurality of parallel rods mounted in two spaced end plates, a doublet mounted on said rods between said end plates and having a focal point adjacent one end plate and capable of emitting a beam of parallel rays toward the other end plate when a light source is disposed at said focal point, means on said one end plate for detachably securing said light unit thereto in a posi-

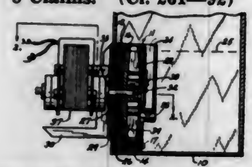
tion in which its axis aligns with the axis of said doublet and its other focus coincides exactly with the focal point of said doublet, a first stop plate mounted on said rods between the focal point of said doublet and said one end plate and provided with an opening of such size that the cone of light emitted from the reflector will just pass through said opening, a second stop plate mounted on said rods between said doublet and its focal point and provided with an opening of such size that only enough light to fill the lenses of the doublet is permitted to pass said second plate, a condensing lens mounted on said rods in the beam of light emitted by said doublet and arranged to concentrate the light rays at a point adjacent said other end plate, a third stop plate mounted on said rods and provided with a relatively small opening which coincides exactly with the point of light from said condensing lens, a photo electric cell secured to said other end plate in a position to receive the light rays after they pass through said third stop plate, and a meter connected with said light sensitive element and responsive to the intensity of the light striking said element, said intensity being a maximum when said lamp is on focus.

2,258,356
FILM SPLICER
Jacob M. Goldberg, Denver, Colo.
Application March 18, 1940, Serial No. 324,526
12 Claims. (Cl. 154—42)



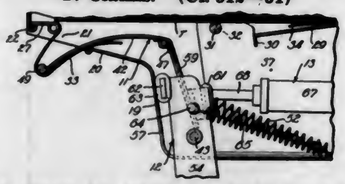
1. In a film splicer having a base, provided with an upwardly projecting portion whose upper surface forms a film support, means for holding the film in place on the support, said means terminating a short distance from the end of the support whereby a portion of the film directly above the support will be exposed, means for removing emulsion from the exposed portion, said means comprising a bracket, a bearing support pivoted thereto, a bearing carried by the support, a bar mounted in the bearing for longitudinal reciprocation, means for resisting forces tending to rotate the bar, means for limiting the extent of the bar's longitudinal movement, a rotary toothed cutter carried by the end of the bar, means comprising a shaft for supporting and rotating the cutter, a bevel gear on one end of the shaft, a gear housing supported on said shaft, a second shaft rotatably supported at one end by the housing, said shaft having the supported end operatively connected to a bevel gear positioned in the housing, in engagement with the first mentioned bevel gear, an electric motor carried by the base, a third shaft slidably connected with the second shaft, means for rotating the third shaft by power derived from the motor, and manually operable means comprising a handle pivoted to the base, and a link connecting the handle to the bar for reciprocating the bar and the cutter.

2,258,357
ROTARY ATOMIZER
Harry Goodman and Vachel S. Dillingham, Oklahoma City, Okla.
Application May 6, 1940, Serial No. 333,632
8 Claims. (Cl. 261—92)



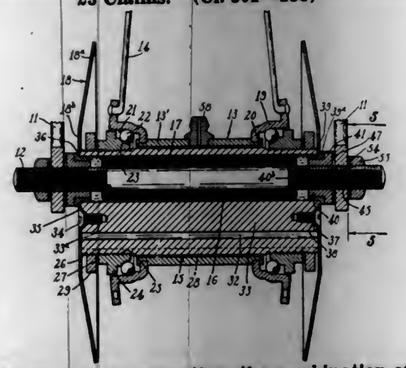
1. In a humidifier, the combination with a pan or tank for holding liquid, of an apparatus for atomizing liquid from the tank and distributing the fine particles into the air comprising: A comparatively narrow substantially U-shaped water wheel trough the ends of which diverge upwardly and the sides of which are substantially parallel, the exterior surface of one of said sides being adapted to fit flat against a portion of the interior wall surface of said tank; a gasket for sealing the space between the two last mentioned surfaces; a plate for fitting flat against a substantially corresponding portion of the exterior wall surface of said tank; screws passing through a side wall of the trough, through the gasket, the tank wall, and the plate for tightly clamping the tank wall and gasket between the trough and plate; a rotatable shaft extending from the exterior of said plate into the interior of said trough; means affording a liquid tight seal between the surface of said shaft and the adjacent surface of the perforations through which it passes into said trough; a radial-vane type water wheel mounted to rotate with said shaft inside said trough; power means exterior to said tank for rotating said shaft and water wheel; and a water passage through a wall of said trough affording limited communication between the interior of said trough and a low point in said tank.

2,258,358
DISPENSING DEVICE
Leo M. Harvey, Los Angeles, Calif.
Application September 12, 1938, Serial No. 229,446
10 Claims. (Cl. 312—51)



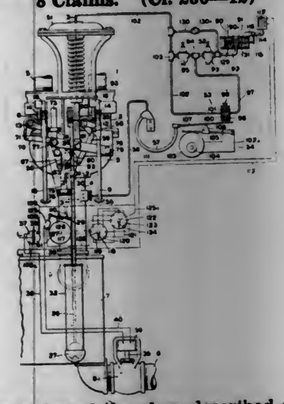
8. A device for dispensing sheet articles having folds comprising a cabinet for containing the articles and having an opening, a swingable articulated ejector in the cabinet comprising an inner element, and a sheet engaging element movably connected with the inner element, means for swinging the ejector, and means for moving the said sheet engaging element of the articulated ejector relative to the said inner ejector element to engage the ejector in the fold of an article and project the fold through the opening.

2,258,359
WHEEL MOUNTING
Walter F. Herold, Bridgeport, Conn., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut
Application December 21, 1939, Serial No. 310,406
23 Claims. (Cl. 301—136)



23. In a wheel mounting, the combination of a fixed axle, a hollow wheel hub, a torsion joint structure including an outer member supporting the wheel hub from the axle and permitting a cushioned upward movement of the wheel under shock, and means associated with the wheel for visually indicating when the cushioned movement takes place, said means including a relatively large disk-like bearing-shielding and wheel-shielding member adjacent the end of the wheel hub provided on the outer face of said member adjacent the peripheral portion thereof with visual indication means and having a predetermined angular relation to the outer member of the joint.

2,258,360
VALVE REGULATING APPARATUS
Russell A. Hetzer, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio
Application November 19, 1938, Serial No. 241,480
8 Claims. (Cl. 236—12)



1. Apparatus of the class described comprising first and second sources of fluid supply, separately operable valve means respectively associated with each source and normally maintained in a position to shut off both sources, a movable operating device associated with said valve means, mechanism operated by fluid pressure for moving said operating device, two sources of fluid under pressure communicating with said mechanism, one of the sources of fluid being under sufficient constant pressure to provide a minimum pressure upon said mechanism and to move said valve means to fully open one of said sources of fluid supply, the pressure of the other fluid source being variable and capable of exerting greater pressure upon said mechanism than the pressure from the constant source, and a control device for the variable source of fluid pressure capable of being set in different positions, whereby the pressure exerted upon said mechanism may be varied within limits above the predetermined minimum and said operating mechanism actuated to close the first source of fluid supply any desired extent and to open the second source of fluid supply any desired extent.

2. Apparatus of the class described comprising first and second sources of liquid supply, separately operable valve means associated with each source, a casing having a chamber communicating with both of said sources when the valve means is in a predetermined position, an operating device associated with said valve means, said operating device being adapted upon movement in one direction to fully open the first source to said chamber and upon further movement in the same direction to permit the first source to gradually close and to gradually open the second source to said chamber, and upon reverse movement to open the first source and permit the second source to close, mechanism actuated by fluid pressure connected to said operating device and a source of fluid pressure communicating with said mechanism and having a sufficient minimum pressure to actuate the control device to open the first source of liquid supply to said chamber, and means responsive to the temperature of the liquid in said chamber for varying the fluid pressure within predetermined limits above said minimum pressure, thereby regulating the volume of liquid passing into said chamber from each source of fluid supply.

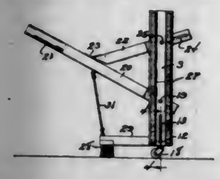
2,258,361
PAINTBRUSH
Lawrence S. Hewes, Gravenhurst, Ontario, Canada, assignor, by mesne assignments, to Rubberset Company, Newark, N. J., a corporation of New Jersey
Application June 28, 1938, Serial No. 216,203
4 Claims. (Cl. 15—192)



1. A brush comprising a bristle body, a ferrule surrounding a portion of said bristle body,

said bristle body being formed to provide a depression in its upper end defined by upwardly extending wing portions and to provide a complementary chisel-like formation at its lower end, cementing means permeating substantially the entire upper end of the bristle body within the ferrule for bonding together the bristles in and adjacent the wing portions, and additional cementing means bonded to form an integral unit with said first-mentioned cementing means and filling said depression, the said upper end of the bristle body extending into the ferrule a sufficient distance to retain firmly in the bristle body the innermost bristles adjacent the bottom of said depression but only to such extent as to place the bottom of said depression not more than about three-sixteenths of an inch above the lower edge of the ferrule, the construction being such as to effect a saving in the length of the bristles employed while providing a strength substantially equal to that of a brush in which the bristle knot is square-cut at its upper end and is inserted in the ferrule to the same extent as said wing portions.

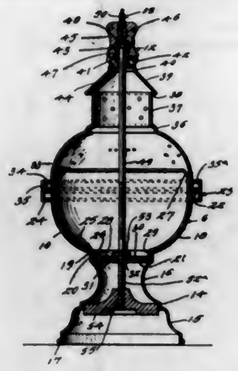
2,258,362
CLEANING APPARATUS
Emory B. Johnson, Gainesville, Ga.
Application September 9, 1940, Serial No. 356,055
2 Claims. (Cl. 15—106)



1. A cleaning apparatus comprising a wheeled upright body frame, upright brushing means secured to and extending laterally from the frame, means included in the frame for adjusting the height of the brushing means, pivoted means included in the frame and carrying the brushing means for swinging movement of the latter, floor engaging brushing means pivotally secured to and extending rearwardly from the frame, handles pivotally and slidably associated with said pivoted means for swinging the upright brushing means, and flexible means connecting the floor engaging brushing means to the handles.

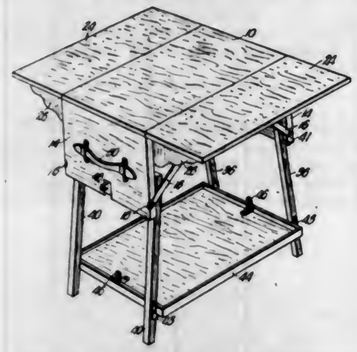
2,258,363
CENSER
Joseph P. Koley, Omaha, Nebr.
Application January 19, 1940, Serial No. 314,723
4 Claims. (Cl. 21—116)

2. A censer comprising a hollow base, an upwardly opening body fixed to and communicating with said base, an inner receptacle having its lower portion bearing against the inner face of and having the upper portion thereof extending above said body, said receptacle having the central portion of its bottom bearing against the inner face of the base, means for connecting said base, body and receptacle in assembled relation, said means including a combined weight and nut arranged in the base and a threaded coupling part correlating with said combined weight and nut and extending through the bottom of the receptacle, a lid engageable about the extended portion of said receptacle, an upstanding axially apertured handle carried by the lid, said means also including a rigid part extending upwardly through the lid and terminating in the aperture of the handle, and a flexible suspension fixed at



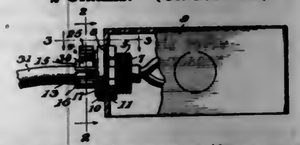
one end to said rigid part and extending through said handle, said suspension constituting a guide for the lid and the handle to axially guide the lid upon upward movement thereof from said body.

2,258,364
CONVERTIBLE TRUNK TABLE
John A. Maxwell, Kansas City, Kans.
Application June 22, 1938, Serial No. 215,160
7 Claims. (Cl. 190—11)



1. A convertible trunk table comprising a table top having depending side aprons and end members, said end members extending below the aprons and the aprons being spaced inwardly from the marginal edge of the table top; table leaves hingedly carried by the table top and adapted to be positioned in planar relation therewith and at right angles thereto to rest against the ends of said end members in spaced relation with the respective adjacent aprons and with the free edge thereof registering with the lower end of said end members; means hinged to said apron to support said leaves in the extended position; legs hingedly carried by said end members adapted to be positioned in parallel relation within the confines of said end members and in the space between the aprons and the leaves and to be extended to serve as a support for said table top; and means to secure said relatively movable parts in fixed relation.

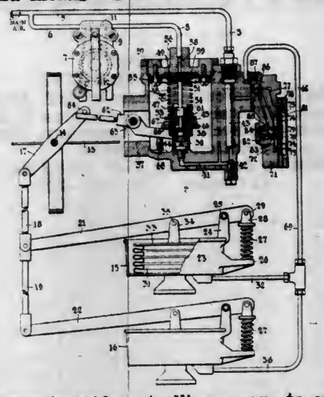
2,258,365
CONNECTOR
Hugo R. Mills, Hibbing, Minn.
Application December 9, 1940, Serial No. 369,340
2 Claims. (Cl. 174—51)



1. An adapter for connecting a cable to a junction box and comprising a body having a cable receiving bore and adapted to be secured through an aperture in a junction box or the like, said body provided with a collar adapted to engage a face of the box and formed with a pair of spaced oppositely disposed and right angularly related slotted ears, a pair of arcuate members transversing said collar and fashioned with flanges overlying the adjacent face of said collar and closing those portions of the bore between the inner face of said bore and the adjacent faces of said members, said members having opposed ends provided with incurvated sections extending through the slot of one of said ears and coacting with the latter to demountably hinge said member thereto, the opposite opposed ends of said members fashioned with arms embracing the other ear and with one of said arms provided with an arcuate tongue formed on one face with teeth and with said tongue extending away from said last mentioned arm and through the slot of said last mentioned ear, said other arm formed with an opening receiving said tongue therethrough and with one of the walls defining said opening being structurally integrally fashioned with a detent disposed angularly out of said opening and engaging one of said teeth and said tongue to maintain the latter in fixed relation against an opposite wall defining said opening and thus maintain said members clamped about a cable extending through said bore to secure said cable in connected relation with said collar, said tongue provided with means coacting with one of said arms for clamping a ground wire thereto when said tongue is maintained in said fixed relation by said detent.

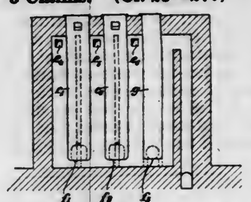
2,258,366
REGULATING SYSTEM
Carl A. Otto, Milwaukee, Wis., assignor to Johnson Service Company, Milwaukee, Wis., a corporation of Wisconsin
Application June 3, 1938, Serial No. 211,648
3 Claims. (Cl. 236—82)

1. In a regulating system of the pneumatic type, means for controlling the flow of a heat exchange medium; a source of pressure fluid; a single-acting pressure motor for operating said controlling means; means for opposing movement of the controlling means by an amount which is proportional to the extent of movement of said controlling means and increases with said movement; means responsive to variations in an atmospheric condition for producing variations in pressure of fluid derived from said source; a lever having a fixed pivot; pilot valve means responsive to said pressure fluid variations, said pilot valve means including a diaphragm motor connected to said derived pressure source, a leak port connected to said source, a valve member for controlling said leak port; direct-acting means interposed between the diaphragm of said motor and said valve member and movable only along a path coaxial with said leak port; an opposing spring reacting between said diaphragm and said lever; and means for connecting the other end



of said lever to said controlling means to coordinate the operation of said pressure motor and the movements of said valve member.

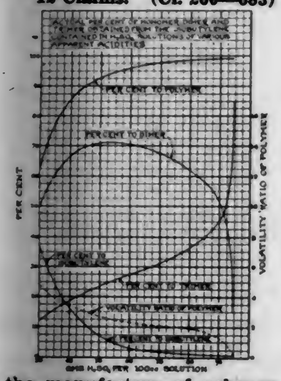
2,258,367
APPARATUS FOR THE PRODUCTION OF CARBON DISULPHIDE
Otto Saladin, Schweizerhalle, Switzerland, assignor to Saurefabrik Schweizerhall, Schweizerhalle, Switzerland
Application July 6, 1939, Serial No. 283,035
In Germany July 21, 1938
3 Claims. (Cl. 23—277)



1. A furnace installation for the production of carbon disulphide from charcoal and sulphur, comprising a furnace space, a plurality of vertically upright retorts of oval cross-section each adapted to be charged with charcoal at its upper end and having a sulphur sump and a cleaning hole at its lower end, vertical walls extending from the roof to the bottom of the furnace and connecting the front and rear walls of the furnace with the retorts to thereby form heating chambers for the retorts individual at the sides of a retort with adjacent chambers in open communication at the bottom of the retort beneath and adjacent the wall of the sump, said front and rear walls of the furnace each having a gas inlet for each of said heating chambers with the respective inlets positioned adjacent the top of the heating chamber to thereby provide a flow-path for the heating gases leading from the top of the chamber to the exit beneath the sump wall enroute to the point of gas discharge from the furnace, said inlets forming substantially the complete heating source for the retorts, whereby heat exchange activities between the heating chambers and the retort content will be maintained throughout the length of the retort with such activities establishing a substantially increasing temperature progression within the retort from

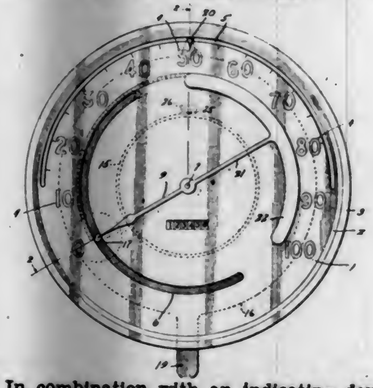
the sump to and into the reaction zone of the retort with the temperature value substantially uniform on a cross-section of the retort.

2,258,368
MAKING MOTOR FUEL
Donald R. Stevens, Swissvale, and William A. Gruse, Wilkinsburg, Pa., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application January 19, 1938, Serial No. 185,762
12 Claims. (Cl. 260—683)



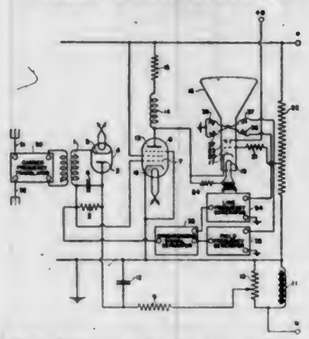
1. In the manufacture of polymer consisting substantially of di-iso-butylene and tri-iso-butylene, the process which comprises taking up iso-butylene in 60 to 65 per cent sulfuric acid solution and polymerizing the iso-butylene contained in the acid while maintaining the concentration of the sulfuric acid on a hydrocarbon-free basis substantially constant, the apparent acidity of the iso-butylene-sulfuric acid solution at the time of said polymerization being 45 to 95 grams of H_2SO_4 per 100 cc. of iso-butylene-sulfuric acid solution, whereby at least about 90 per cent of said iso-butylene is polymerized.

2,258,369
PHOTOELECTRIC DEVICE FOR INDICATING SPEED
William C. Stevenson, Middleburg, Va.
Application May 6, 1938, Serial No. 206,483
7 Claims. (Cl. 250—41.5)



1. In combination with an indicating device; means for closing an electrical circuit comprising; a dial having a slot disposed in the face thereof, a light sensitive element mounted behind the said slot, a hand adapted to move over said dial and provided with a shutter, said shutter being adapted to cut off the light to the said light sensitive element when the said hand arrives at a predetermined point and continues to cut off the light after the hand has moved past said point for a reasonable distance.

2,258,370
TELEVISION RECEIVER VIDEO CIRCUIT
Maurice Kenyon Taylor and Hubert Wood, Hollinwood, England, assignors to Hazeltine Corporation, a corporation of Delaware
Application May 31, 1939, Serial No. 276,736
In Great Britain May 30, 1938
6 Claims. (Cl. 178—7.5)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)

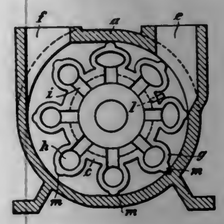


1. A television receiver comprising, a signal-translating stage including a thermionic vacuum tube, a cathode-ray tube for reproducing a desired received television signal, said tube including a thermionic cathode, means for producing scanning fields to deflect the cathode ray of said cathode-ray tube in accordance with a predetermined scanning pattern, said last-named means comprising thermionic tube means having an initial warm-up period during which there are produced insufficient scanning fields to deflect said cathode ray, thereby tending to damage said cathode-ray tube, and means for maintaining said cathode ray extinguished during said initial warm-up period comprising means responsive to the space current of said first-named tube for biasing said cathode-ray tube to cutoff for values of said space current below a predetermined minimum value and for reducing the bias of said cathode-ray tube to a normal operating value for values of said space current in excess of said predetermined minimum value, said space current of said first-named tube being less than said predetermined minimum value during its warm-up period and said first-named tube having a warm-up period not less than the warm-up period of said scanning tube means.

2,258,371
ROTARY PISTON MACHINE WITH ROTOR OF YIELDABLE MATERIAL
Karl Wernert, Mulheim-on-the-Ruhr, Germany
Application May 26, 1939, Serial No. 276,028
In Germany May 30, 1938
14 Claims. (Cl. 103—117)

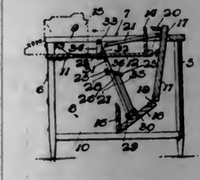
1. A rotary piston engine, comprising a casing having end walls and an annular wall, said walls

forming a fluid working chamber with admission and discharge passages, a substantially cylindrical runner of yieldable material with radial projections arranged eccentrically in said casing chamber and subdividing said casing chamber into cells coming during the rotation of said



runner alternately into connection with the admission or discharge passage in said casing, in which the projections of the runner are hollow and substantially cylindrical in end elevation with an extension on each projection disposed longitudinally thereof for contact with the wall of the casing.

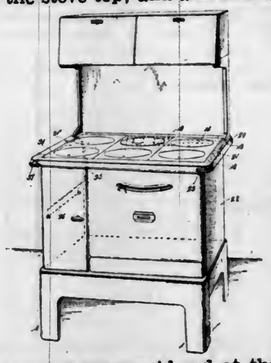
2,258,372
TYPEWRITER DESK
John H. White, High Point, N. C.
Application April 19, 1940, Serial No. 330,624
12 Claims. (Cl. 312—24)



5. A desk comprising a top having an opening, said desk having a well, a stationary table arranged within the well adjacent to the front of the desk and beneath and spaced from the top of the desk, a swinging table pivotally supported so that it may be swung to an upper generally horizontal position substantially flush with the stationary table and to a lowered inclined position, a cover for the opening including cover sections which are hinged together, means to guide the cover sections so that they may be lowered into the well, and operating connecting means between one cover section and the swinging table so that the table is moved by such cover section.

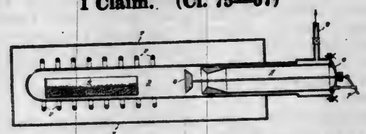
2,258,373
DAMPER CONTROL
Lynt White, Reginald Hutchins Hodgson, Robert Henry White, and Bolling H. Jones, Jr., Atlanta, Ga., assignors to The Atlanta Stove Works, Inc., Atlanta, Ga., a corporation of Georgia
Application June 5, 1939, Serial No. 277,500
3 Claims. (Cl. 126—1)

1. Stove damper control comprising, in combination: a stove having a top provided with a down-turned flange; a damper having a portion exposed at the exterior of the stove and provided with an elongated slot; a rod concealed beneath the downturned flange of the stove top; a bell crank extending from said rod and having a portion engaging said slot; said rod extending from said bell crank arm to the front of the stove and journaled in an opening in the front flange of the stove top; and a manually operable



member secured upon said rod at the front exterior of said flange.

2,258,374
PROCESS FOR THE PRODUCTION OF MAGNESIUM BY MEANS OF THERMIC REDUCTION
Luigi Amati, Padova, Italy
Application January 26, 1940, Serial No. 315,849
In Italy July 1, 1939
1 Claim. (Cl. 75—67)

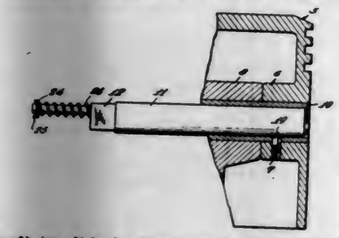


A process for the production of magnesium by thermic reduction in a reduction zone at reduced pressure, which comprises condensing the evolved magnesium in a condensation zone juxtaposed to and in communication with said reduction zone at a pressure substantially equal to that prevailing in the reduction zone, cutting off the communication between the reduction zone and condensation zone while maintaining the juxtaposition thereof, whereby the atmosphere and pressure prevailing in the condensation zone are rendered independent of the atmosphere and pressure prevailing in the reduction zone without change in such pressure, and dissociating the condensation zone from said reduction zone whereby the latter may immediately be reassociated with a new condensation zone, the pressure prevailing in the condensation zone after said dissociation being substantially the same as that prevailing in the system during the reduction process.

2,258,375
WRIST PIN TOOL
Jack Caldwell, Havre, Mont.
Application December 1, 1939, Serial No. 307,155
1 Claim. (Cl. 29—88.2)

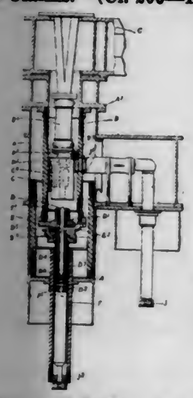
In a device of the character described, an elongated cylindrical body for insertion in a wrist pin and having an opening and a bore communicating with said opening, a centering pin operating in the opening, means for limiting the sliding movement of the centering pin and adapted to permit passing thereof through an opening of a wrist pin into a lock bolt opening of a piston, a shaft slidable in the bore, a cam

on said shaft to coact with the pin for imparting movement thereto by the sliding movement of the shaft, a spring acting on the shaft to impart movement thereto in one direction for the purpose of positioning the cam to extend the centering pin, and means for restraining the shaft against rotation in the bore permitting



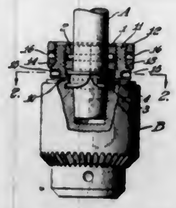
said shaft to slide in the bore, said centering pin having one end beveled to coact with the cam of the shaft, and a sleeve adaptable to the body and having an opening to align with the opening of the body to permit the centering pin to extend therethrough and to permit the body to be adapted to a wrist pin of a larger size.

2,258,376
ELECTRIC SWITCHGEAR
Henry William Clothier, deceased, late of Newcastle-upon-Tyne, England, by Walter James Dean, Stafford, England, and Mary Clothier, Newcastle-upon-Tyne, England, executors, and Archibald Allan, Tynemouth, England, assignors to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England, a company of Great Britain
Application November 5, 1938, Serial No. 239,162
In Great Britain November 15, 1937
9 Claims. (Cl. 200—150)



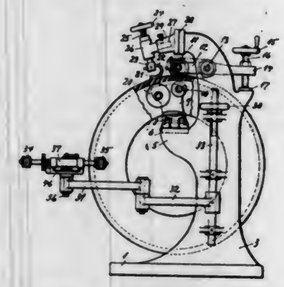
1. In electric switchgear, in combination, a self-contained single-break circuit-breaker unit comprising an arc-control device and a fixed circuit-breaker contact surrounded by the arc-control device, a tank wherein the said unit is immersed in insulating liquid, a cylinder, a rod of light construction housed within said cylinder and constituting the movable contact member of the circuit-breaker, at least one conduit containing a column of insulating liquid acting on the rod, and means whereby a force derived from gas under pressure is transmitted through the liquid column to the rod for effecting operation thereof.

2,258,377
CHUCK AND TOOL HOLDING DEVICE
John C. Collins, Hobart, Ind.
Application July 11, 1940, Serial No. 344,966
2 Claims. (Cl. 287—107)



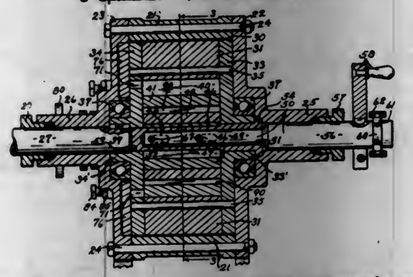
1. A device for holding a chuck against casual removal or displacement on a tapered spindle, comprising a collar secured to the spindle, a sectional ring to be threaded on the collar, said chuck having a bore therein for receiving the spindle and a recess about the outer end of the bore, a rib overlying the recess and providing a shoulder, a sectional connector member removably mounted in the recess and including tongues bearing against the shoulder for holding said connector member within the recess, a flange on the connector member, a flange on the ring to bear against the first flange when the ring is threaded on the collar, and a lock collar threaded on the ring for holding the sections thereof about the connector member and against the spindle collar.

2,258,378
MACHINE FOR PREPARING PNEUMATIC TIRES FOR RETREADING
Nanno Theodor Jürgen Collmann, Lubeck, Germany
Application May 13, 1939, Serial No. 273,558
In Germany June 1, 1938
18 Claims. (Cl. 29—33)



1. A machine for preparing worn tires for retreading, comprising a frame, a slide mounted on the frame, means on the frame for removably supporting the slide, a pair of supporting rollers on said slide which are adapted to support a tire to be prepared by the internal contour of the tire rolling on said rollers, a cutting tool adjustably mounted on the frame and adapted to contact the external contour of the tire opposite one of the supporting rollers, feed roller means adjustably mounted on the frame of which the roller is adapted to contact the tire opposite the other of said supporting rollers to impart a circular motion to the tire for the cutting operation, and means for locking the slide on the supporting means.

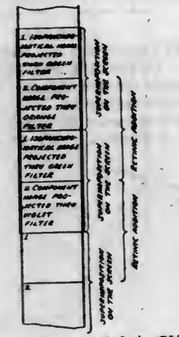
2,258,379
ROTARY FLUID PUMP OR MOTOR
Maynard E. Estey, Canandaigua, N. Y.
Application April 3, 1939, Serial No. 265,681
5 Claims. (Cl. 103—160)



2. In a fluid pump or motor of the class wherein a rotor is mounted in a case to have an axis of rotation, and a pair of pistons are mounted one within the other in a piston chamber provided in the rotor to reciprocate in directions normal to each other, the combination with said case, rotor and pistons of a control member mounted in the case substantially coaxially with the rotor for both reciprocative and rotative movements with respect to said case, a bearing member mounted in the rotor independently of the case rotatably supporting the innermost one of said pistons, a supporting member rotatably mounted in the rotor coaxially therewith, means operatively connecting the control member to the supporting and bearing members to rotate said latter members in unison upon rotation of the control member to bring the axis of rotation of said innermost piston from a position at one side of the axis of rotation of the rotor to a position at the opposite side of said axis, said connecting means including drive and driven elements connected with the control and bearing members respectively coacting upon reciprocative movement of the control member to produce lateral movement of the bearing member toward and from the axis of rotation of the rotor.

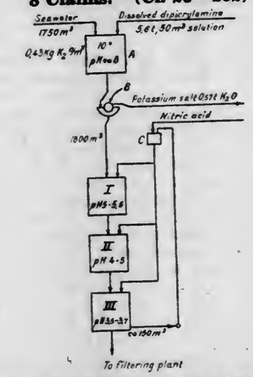
2,258,380
PROCESS OF COLOR ANALYSIS AND COLOR SYNTHESIS FOR THE PROJECTION OF COLORED PICTURES IN PHOTOGRAPHY AND CINEMATOGRAPHY
Italo Ferriguto and Alessandro Moauro, Rome, Italy
Application September 19, 1938, Serial No. 230,718
In Italy August 22, 1938
1 Claim. (Cl. 88—16.4)

In a method of three-color photography of the kind in which on different portions of a single light sensitive surface are produced three differently selected component images, the step of producing on the panchromatic emulsion, through a filter rectifying the specific sensitivity of the panchromatic emulsion used so as to reproduce in black and white the physiological light intensity of all the chromatical tones of the original, an isopanchromatical negative, and through an orange-yellow and through a purple filter two color selected negatives, the step of producing positives of the said negatives and the step of projecting, in superimposition on a screen, pairs of positives comprising alternatively an isopanchromatical positive together with an orange-yellow component positive, and an isopanchromatical positive together with a purple component positive, the said positives being projected through colored filters and precisely the isopanchromatical positive through a green filter, the orange-yellow component positive through an orange filter and the purple com-



ponent image through a violet filter, the two different pairs of optically superimposed component images being added on the retina in consequence of their rapid succession on the screen.

2,258,381
PROCESS FOR THE RECOVERY OF POTASSIUM SALTS FROM SOLUTIONS
Wilhelm Fleischer and Jacob Kielland, Porsgrunn, Norway, assignors to Norsk Hydro-Elektrisk Kvaelstofaktieselskab, Oslo, Norway
Application July 21, 1939, Serial No. 285,794
In Norway July 29, 1938
8 Claims. (Cl. 23—102)

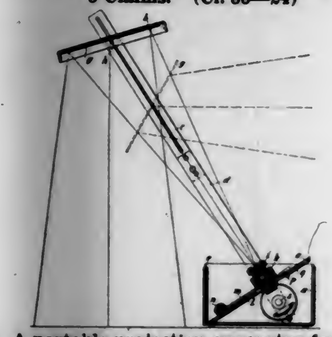


1. A process for the recovery of potassium salts from an aqueous saline solution with a potassium content of the order of the potassium content of sea water and the like, comprising the steps of adding a water-soluble dipicrylamine salt to the solution to precipitate the potassium in the form of water-insoluble potassium dipicrylaminate, separating the precipitate of potassium dipicrylaminate from the mother liquor, reacting the separated potassium dipicrylaminate with an acid to liberate dipicrylamine and to produce the potassium salt of the said acid in solution, and recovering non-converted dipicrylamine salt in the motor liquor in the form of free dipicrylamine by subjecting the mother liquor containing said non-converted salt to the action of an acid.

8. A method of treating aqueous saline solutions containing potassium salts, which comprises

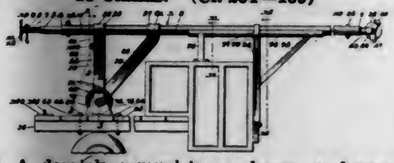
the steps of isolating the potassium as potassium dipicrylaminate and reacting the latter with nitric acid of a concentration below 20% whereby the potassium of the dipicrylaminate goes into solution as nitrate of potassium while dipicrylaminate remains in crystalline form.

2,258,382
APPARATUS FOR THE PROJECTION OF UPRIGHT PICTURES
Joseph Goebel, Mainz, Germany
Application December 27, 1939, Serial No. 311,114
In Germany January 19, 1939
5 Claims. (Cl. 88—24)



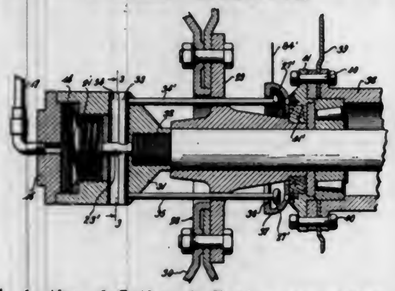
1. A portable projection apparatus for pictures comprising a box having a removable lid and removable front wall, a mirror on the underside of the lid, said front wall comprising a plurality of bars adapted when removed from the box to have their lower ends connected to the box and to the lid and mirror for adjustable support of the lid and mirror on the bars above the box, projection apparatus in the box cooperating with said adjustable mirror for projecting pictures upon a screen, said projection apparatus including a plate mounted in the box and having a zone of transversely extending grooves terminating at opposite side edges of the plate and forming teeth, a projection lens mounted in the box above said plate, a source of light for said projection lens within the box below said plate in operative alinement with said projection lens, a picture-holding frame shiftably mounted on the plate beneath said projection lens, a toothed roller journaled transversely of the picture-holding frame and engaged with the teeth on said plate and adapted to be operated for shifting the picture-holding frame lengthwise and transversely of said plate to cause a picture mounted thereon to register with said lens and a disk rotatably mounted on the said plate to occupy a position underlying the pictures supported on the frame and having a circular series of windows of different sizes for the pictures to be projected.

2,258,383
AUTOMATIC PORTABLE DERRICK
George Haniquet, Glendale, Calif.
Application December 29, 1938, Serial No. 248,353
13 Claims. (Cl. 254—139)



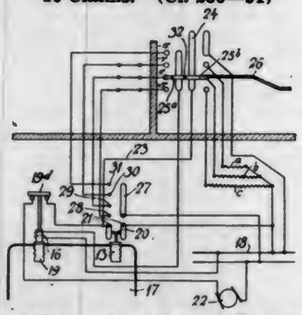
1. A derrick comprising a boom, a frame to which the boom is rigidly secured, and elevating mechanism for erecting the boom, including positive and negative power members, means commonly connecting a portion of said power members to the frame thus to build up the negative power member simultaneously with erecting the boom by spending the positive power member, and an anchorage to which other portions of said members are also commonly connected.

2,258,384
TIRE DEFLATION INDICATOR
William Patrick Harrington, Hattiesburg, Miss.
Application March 28, 1940, Serial No. 326,515
2 Claims. (Cl. 200—58)



1. A tire deflation indicator comprising, in combination: a casing to have screw threaded connections with a revoluble axle; a pressure chamber in said casing to be placed into free communication with the interior of a tire mounted to revolve with said axle; said chamber having a movable wall; a plunger in said casing having a head spring-pressed against said movable wall; a plunger rod projecting from said head; a cross bar carried by said rod mounted for sliding movement in a slot formed in said casing; a pair of plunger rods projecting from said cross head parallel with the axis of the axle; an annular shell stationarily mounted upon the axle housing and having an overhanging annular lip; a contact means projecting from each of said rods into overlapping relation with said contact ring; whereby under-inflation of the tire may cause said contact means to be brought into contact with said ring.

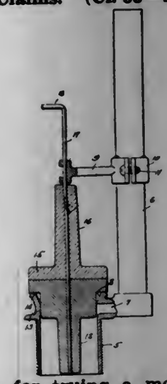
2,258,385
TEMPERATURE CONTROL IN OIL FIRED CENTRAL HEAT PLANTS
Petter Hartmann-Riis, Ostre Aker, near Oslo, Norway
Application May 29, 1937, Serial No. 145,618
In Norway March 4, 1936
10 Claims. (Cl. 236—91)



1. Apparatus for automatically controlling

the heat output of an oil fired building heating plant having the oil supplied thereto by a pump and a fan driven by a motor comprising, an electrical source having one side connected to one terminal of the motor, graduated resistance means connected to the other side of the electrical source and adapted to be connected to the other motor terminal, a thermostat positioned outside the building, means for establishing circuits from the graduated resistance means to positions adjacent the thermostat, conducting means moved by the thermostat for completing the motor circuit through said resistance means in accordance with the temperature outside the building, a second circuit associated with said source, additional conducting means moved by the thermostat included in the second circuit, movable means interposed in said second circuit operably responsive to the temperature of the plant, conductors extending from positions adjacent the additional conducting means to positions adjacent said movable means, and means responsive to the completion of said second circuit through one of said conductors for opening said motor circuit.

2,258,386
FLUSH TANK VALVE ROD BEARING ARM ADJUSTING AND TESTING DEVICE
Frank M. Heath, Silver Spring, Md.
Application May 13, 1940, Serial No. 334,865
2 Claims. (Cl. 33—180)



1. A device for truing a movable valve rod bearing arm with respect to a stationary valve seat, comprising a lower gauge member adapted to fit snugly within a valve seat, an annular shoulder on said gauge member and adapted to rest on the valve seat, an upper gauge member, a head at the lower end of the upper gauge member and adapted to rest on the upper surface of the lower gauge member, said upper gauge member being elongated and adapted to extend to a point adjacent to the rod bearing arm being adjusted, indicating the position of the rod bearing arm with respect to the valve seat, said gauge members having aligning openings, and a gauge rod adapted to extend through the bearing arm and aligning openings of the gauge members, aligning the rod bearing arm with the gauge members.

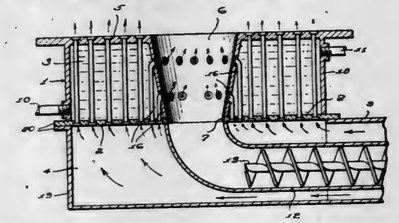
2,258,387
CUTTING IMPLEMENT
Clarence Klumb, Milwaukee, Wis.
Application April 7, 1939, Serial No. 266,620
5 Claims. (Cl. 30—305)

1. In a cutting device of the character described, a blade holder, a pair of spaced parallel cutting blades carried by the holder, there being an area between the vertical planes defined by the two blades with the area opening at opposite sides of the device, the opposite open sides of the area being relatively long and short and the



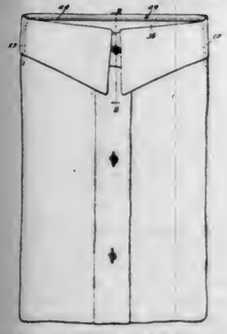
cutting blades being respectively of the same length as the long and short sides of the area whereby a pair of parallel incisions may be made in an album leaf with corresponding ends of the incisions being in a substantially straight line at an angle to a corresponding straight line at the other ends of the incision.

2,258,388
BURNER HEAD
Martin F. Leiby, Quakerstown, Pa., assignor of one-half to Calvin R. Engler, Coopersburg, Pa.
Application May 10, 1940, Serial No. 334,435
1 Claim. (Cl. 122—374)



A heater head for use in the combustion chamber of a furnace comprising a drum-like casing having a flat top forming a bed plate for fuel and provided with an axial aperture therein for the feed of fuel upwardly therethrough to said plate, a diametrical partition in said casing dividing the same into upper and lower water and air chambers, respectively, an air inlet conduit extending into one side of the casing for introducing air under pressure into said air chamber, a fuel feed conduit extending into said air chamber by way of the air inlet conduit and having an inner upper end extending upwardly through said partition and communicating with the aperture in said plate, stoker means in said fuel feed conduit for forcing fuel along the same and upwardly therethrough to said aperture, a pair of water inlet and outlet pipes connected to said casing for circulating water through said water chamber, flue pipes extending between said partition and plate through said water chamber and opening into said air chamber and onto said plate to introduce air under pressure to the bed of fuel and to be cooled by the water in said chamber, and flue pipes extending from said partition to the upper end of said fuel feed conduit and opening into said air chamber and upper end of the feed conduit to convey air from said air chamber to fuel below said bed plate, said flue pipes being arranged in circular series around said upper end of the fuel feed conduit and increasing in number inwardly toward said upper end.

2,258,389
SHIRT COLLAR CLIP
Elizabeth Salter Little, Milton, Fla.
Application February 5, 1940, Serial No. 317,441
1 Claim. (Cl. 223—83)



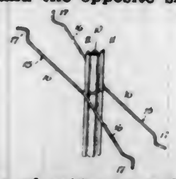
In combination with a shirt of the folding collar attached type wherein the rear yoke portion of said shirt is raised for disposal in overlapped relation to the rear face of the rear portion of the collar to provide a fold section forming a pocket postjacent the collar and with the collar and said fold section disposed in flatwise relation across the shirt, a clip formed from a single strand of spring wire to provide a pair of inverted elongated substantially U-shaped companion clamping jaws, each jaw including a relatively long straight bight portion and relatively short arm portions extending at a slight outward inclination from the long portion, the short portions of one jaw being connected to the short portions of the other jaw by loops at the outer ends of the short portions, the adjacent short portions being disposed in close proximity and normally inclined toward each other from the loop thereof to the long portions for disposing the latter in close spaced parallel relation to each other, one of said jaws being arranged in said pocket with the long portion thereof seated in the fold of said fold section and the other jaw being arranged between the inner portions of the collar to maintain the collar in clamped engagement with the fold section and in said flatwise relation.

2,258,390
LARVACIDE AND PROCESS FOR PREPARING SAME
Walter D. Martin, Albany, Ga.
No Drawing. Application March 6, 1940, Serial No. 322,621
5 Claims. (Cl. 167—43)

1. A larvacidal composition comprising a rosin soap impregnated with kerosene; at least one of the group consisting of water gas tar, tar acid oil and light creosote oil; at least one of the group consisting of motor oil and bunker C gas oil, the selections from the groups being combined in a state of partial emulsification; and with castor oil.

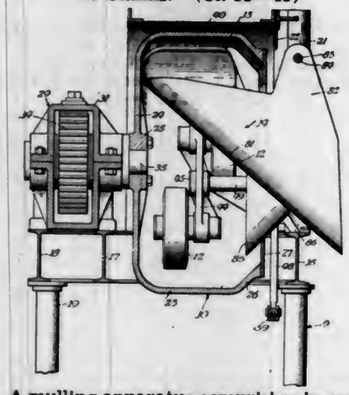
2,258,391
PLATING RACK
Joseph Novitsky, New York, N. Y.
Application March 7, 1939, Serial No. 260,267
2 Claims. (Cl. 204—297)

2. A plating rack comprising at least three elongated cores arranged in substantially parallel relationship and a plurality of prongs for supporting articles to be plated, each of said prongs comprising a strand of resilient wire interlaced with said cores by extending the wire substantially half way around each core, the wire being extended around the opposite sides of adjacent



cores and one of said prongs being interlaced with said cores in oppositely extending relationship to another of said prongs so as to retain the cores and prongs in assembled relationship without the aid of additional connecting means.

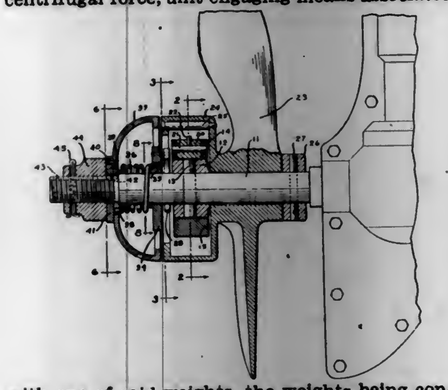
2,258,392
MULLING APPARATUS
Walter F. Piper, Oak Park, Ill., assignor to The Beardsley & Piper Company, Chicago, Ill., a corporation of Illinois
Application February 16, 1939, Serial No. 256,741
10 Claims. (Cl. 83—45)



1. A mulling apparatus comprising in combination a frame structure, a receptacle for the material to be mulled mounted to rotate about the center thereof and embodying an annular side wall, means carried by the frame structure for rotating said receptacle, a mulling element disposed in the receptacle and adjacent the side wall and having frame-structure-carried supporting means therefor whereby it is movable toward said side wall into an operative position wherein it serves during rotation of the receptacle to mull the material by squeezing it against the side wall, and away from said side wall into an inoperative position wherein it effects no mulling of the material, and fluid pressure actuated means for shifting the element into either its operative or inoperative position embodying a valve type control device with a single movable part, and adapted upon movement of the part into one position to shift the element into its operative position and upon movement of the part into another position to shift the element into its said inoperative position.

2,258,393
AUTOMATIC CLUTCH
Robert H. Simmonds, Corning, N. Y.
Application March 13, 1940, Serial No. 323,793
10 Claims. (Cl. 192—105)

3. In a clutch assembly, a driving shaft, a unit to be driven mounted freely on said shaft, a member fixed to said shaft, two weights pivoted to said member in such a manner as to move outwardly from said shaft under the influence of centrifugal force, unit engaging means associated

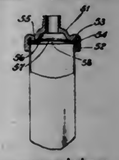


with one of said weights, the weights being connected through links and a slip ring, a spring surrounding said shaft having one end secured to said slip ring and the other end fixed with respect to said shaft, and means for adjusting the tension of said spring.

2,258,394
PROCESS FOR EFFECTING RING CLOSURE BY MEANS OF HYDROFLUORIC ACID
John M. Tinker, Penns Grove, and Viktor M. Weinmayr, Pitman, N. J., and Adrian L. Linch, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 28, 1939, Serial No. 311,292
8 Claims. (Cl. 260—316)

1. The process for effecting ring closure of polynuclear aromatic compounds capable of forming higher order ring systems by ring closure thru the establishment of carbon to carbon bonds by a dehydrogenation reaction which involves the removal of only hydrogen from the molecule, which comprises carrying out the reaction in hydrofluoric acid of not less than 36% concentration.

2,258,395
TUBE
Charles A. Tome, Wilmington, Del.
Application October 27, 1939, Serial No. 301,517
6 Claims. (Cl. 221—60)



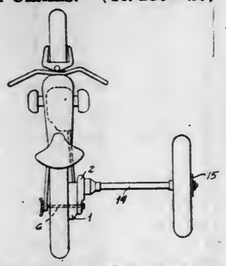
3. A container comprising a comparatively flexible tube, a comparatively rigid head having a cavity to receive the tube with an interior circumferential shoulder formed by an enlargement of the cavity and means to join the tube to the head comprising a locking piece of limited flexibility and of normal size greater than the least circumference of the shoulder, whereby the seating of the locking piece will warp a portion of the tube about the shoulder.

2,258,396
TRACTOR AND SEMITRAILER UNIT
Robert G. Le Tourneau, Peoria, Ill., assignor to R. G. Le Tourneau, Inc., a corporation of California
Application June 14, 1940, Serial No. 340,539
8 Claims. (Cl. 214—85)



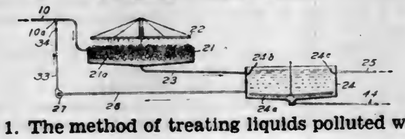
1. In a tractor and trailer unit, a trailer having a low bed, an arch member fixed on the trailer at its rear end, a load supporting skid normally disposed on the bed and adapted for sliding movement relative to the bed and through the arch member, a multiple drum power control unit on the tractor, a cable leading from said power control unit toward the arch, the free end portion of said cable being formed as a block and tackle, said block and tackle being suspended from the arch member, and another cable leading rearwardly from said power control unit, said block and tackle, and said other cable, being adapted at their free ends for connection with the skid adjacent its forward end.

2,258,397
SIDE CAR MOTORCYCLE
Alexander von Falkenhausen, Munich, Germany, assignor to Bayerische Motoren Werke Aktiengesellschaft, Munich, Germany, a company of Germany
Application January 17, 1940, Serial No. 314,230
In Germany February 11, 1939
11 Claims. (Cl. 180—27)



1. In a motorcycle, a frame, a rear axle rigidly connected to said frame, a rear wheel rotatably mounted on said axle, a driving gear rotatably mounted on said axle in engagement with said rear wheel, a gear wheel rotatable with said drive gear, a side wheel mounted forwardly and laterally of said rear wheel, a drive shaft for said side wheel, and a shiftable transmission gearing for drivably connecting or disconnecting said drive shaft with said gear wheel.

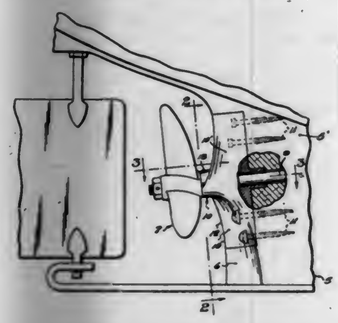
2,258,398
SEWAGE TREATMENT
Oscar Ward, Marshfield, Wis.
Application September 30, 1939, Serial No. 297,289
4 Claims. (Cl. 210—7)



1. The method of treating liquids polluted with

septical organics, which comprises supplying liquid to a biologically active trickling filter-bed to be treated therein by aerobic biologic organisms of zoogloeic interfaces in the trickling filter-bed for satisfying certain of the biological oxygen demand of the septical organics, passing filter-bed discharge to a clarifier horizontally spaced from the filter-bed and having an overflow of clarified effluent, removing sediment from the clarifier to avoid septicity in the liquid contents of the clarifier, and augmenting the liquid passing to the filter-bed with liquid bearing active organisms taken from the clarifier direct to the filter-bed in amount sufficient to flush continually zoogloeic accumulations from the filter-bed thereby insuring against their developing to clogging proportions and also keeping vitalized the aerobic biologic organisms functioning within the filter-bed while at the same time conveying from the filter-bed into the clarifier quantities of such living organisms whereby certain biologic satisfaction of oxygen demand is also continued within the clarifier.

2,258,399
PROPELLER STERN BEARING
Harvey A. Witteman, Seattle, Wash.
Application May 10, 1940, Serial No. 334,310
6 Claims. (Cl. 115—34)

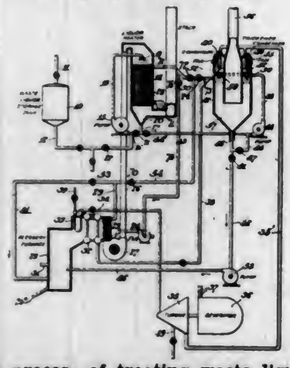


1. A stern bearing for the propeller of a marine vessel produced in the form of a two-bladed screw having its helix generated in a direction opposite to the helix of the propeller used therewith and characterized in that the planes of curvature of the frontal faces of the bearing blades reversely correspond to those of the propeller blades, which is to say that the inclinations of the frontal faces of said bearing blades at the inner and the outer ends of the same generally correspond in the respective instance with the inclinations of the outer and the inner ends of the propeller blades.

2,258,400
ALKYLCARBONATE ESTERS OF DIBENZANTHRONE AND ISODIBENZANTHRONE COMPOUNDS AND PROCESS OF MAKING THEM
Alexander J. Wuertz, Wilmington, Del., and Edward C. Tobin, Woodstown, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 7, 1939, Serial No. 298,398
10 Claims. (Cl. 260—353)

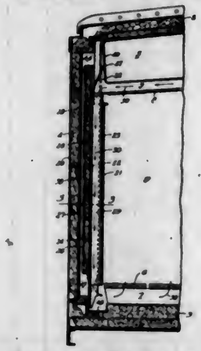
1. An alkylcarbonate ester of a compound of the dibenzanthrone and isodibenzanthrone series.

2,258,401
TREATMENT OF WASTE LIQUIDS FROM PULP PRODUCTION AND THE LIKE
John Phillips Badenhausen, Philadelphia, Pa.
Application September 27, 1939, Serial No. 296,754
11 Claims. (Cl. 23—48)



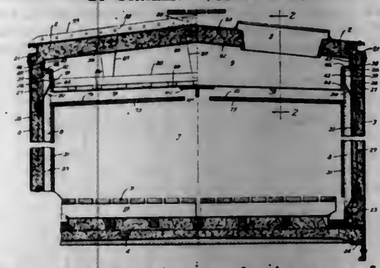
1. The process of treating waste liquor from industrial processes and containing combustible constituents and water which includes spraying the waste liquor into a moving stream of heated air for carrying off in the heated air by evaporation a substantial portion of the water content of the waste liquor, burning the combustible constituents of the residual material in a furnace, extracting a portion of the heat released by the combustion for the generation of power, and transferring a portion of the extracted heat for the heating of the stream of air.

2,258,402
REFRIGERATOR CAR
Wallace E. Baillie, McDonald, Pa., assignor to Standard Railway Devices Company, a corporation of Delaware
Application April 14, 1939, Serial No. 267,786
8 Claims. (Cl. 62—17)



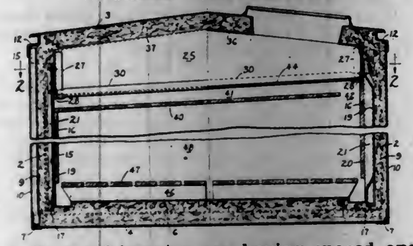
1. In a refrigerator having a wall and a flue associated with said wall for distributing refrigerated air to the lading space of the refrigerator, a system for circulation of refrigerated air disposed entirely within said wall interposed between said flue and the exterior of said wall comprising a duct adjacent said flue for downward flow of refrigerated air and a return air passage and communicating with said duct at the top and bottom thereof, and means to refrigerate the air entering said duct.

2,258,403
REFRIGERATOR CAR CONSTRUCTION
Charles D. Bonsall, Pittsburgh, Pa., assignor to Standard Railway Devices Company, a corporation of Delaware
Application April 24, 1939, Serial No. 269,697
10 Claims. (Cl. 62—17)



1. In a refrigerator car having a roof supported by an external carline and a refrigerant container below said roof, an upstanding baffle secured to the bottom of said container substantially below said carline to retard surging of liquid in said container, a member secured at the lower end thereof to said baffle, means to secure the upper end of said member to said carline, and means to insulate said member from said carline.

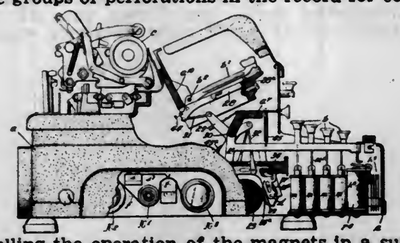
2,258,404
REFRIGERATOR CAR
Charles D. Bonsall, Pittsburgh, Pa., assignor to Standard Railway Devices Company, a corporation of Delaware
Application June 9, 1939, Serial No. 278,276
10 Claims. (Cl. 105—404)



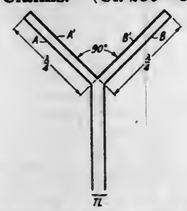
1. In a refrigerator car having spaced apart side walls and a roof, a refrigerant container below the roof and extending between said walls to form a roof supporting carline, said walls having load supporting posts disposed adjacent the interior of the car, the upper ends of said posts being secured to said container so that said container forms upper chords of said wall.

2,258,405
ELECTRICALLY CONTROLLED MOTORIZED TYPEWRITER
Arthur H. Buckley, Chicago, Ill.
Application April 24, 1939, Serial No. 269,658
3 Claims. (Cl. 197—20)

1. In automatic control mechanism for a motorized typewriter, the combination of a full set of electromagnetic devices for individually controlling the operations of substantially all of the functional parts of the typewriter, a record provided with successive permutations of groups of at least three perforations for controlling said parts, a series of eight permutably operable electromagnets, a series of eight switching devices controlled by the magnets, respectively, and comprising switches connected to establish circuits for the individual operation of the full set of electromagnetic devices, and means controlled by the groups of perforations in the record for controlling the operation of the magnets in a sufficient number of permutations of three to control the switches controlled by the magnets for individually and selectively controlling the operation of the full set of electromagnetic devices.



2,258,406
WIDE BAND ANTENNA
Philip S. Carter, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application April 16, 1938, Serial No. 202,460
5 Claims. (Cl. 250—33)

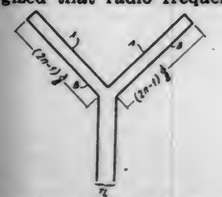


1. In an antenna system comprising a pair of separated conductors forming an angle of 90 degrees with each other and means for energizing said conductors in an opposing phase relationship comprising a transmission line directly connected to the adjacent ends of said pair of conductors, means for matching the impedance of said antenna to said transmission line over a wide band of frequencies comprising a second pair of conductors of the same length as said first pair arranged parallel to said first pair of conductors and closely spaced therefrom, said second pair of conductors being connected to said first pair at points removed from said adjacent ends, whereby there is minimized the existence of reflected waves on said transmission line which might disturb the radiation characteristics of said antenna conductors.

2,258,407
WIDE BAND ANTENNA
Philip S. Carter, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application July 28, 1938, Serial No. 221,694
8 Claims. (Cl. 250—33)

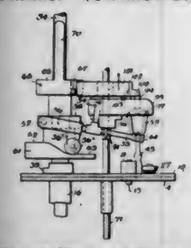
1. A directional antenna comprising a pair of linear conductors, said conductors being disposed at an angle other than 180° with respect to each other in a single plane, a transmission line connected to the adjacent ends of said conductors a second pair of conductors similar and parallel to said first pair of conductors and so closely spaced therefrom that the mutual impedance be-

tween said conductors is substantially equal to the impedance of one of said conductors, means for connecting the corresponding remote ends of said first pair of conductors to the remote ends of said second pair of conductors so that corresponding conductors of each pair are effectively energized that radio frequency energy



from said transmission line in a series relationship, each of said conductors being of a length including at least one-half the length of the operating wave, whereby there is minimized the existence of reflected waves on said transmission line which might disturb the radiation characteristics of said antenna conductors.

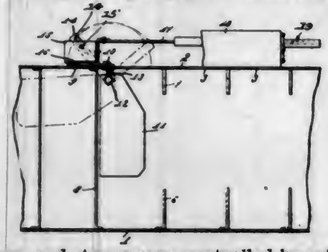
2,258,408
AMPOULE SEALING MACHINE
Frank Cozzoli, Plainfield, N. J.
Application August 19, 1939, Serial No. 290,997
15 Claims. (Cl. 226—80)



1. An ampoule sealing machine comprising a support for an ampoule, a plurality of power driven rollers for rotating and moving the ampoule along said support from an entrance position to an exit position, means for heating part of the ampoule during part of its travel along said support, a pair of non-rotatable grippers, means for causing said grippers to function for gripping and slightly raising one end of the ampoule near the end of the heating period whereby the heated part will be twisted and elongated simultaneously, means acting to quickly and appreciably raise said grippers after said twisting and elongating action for removing the gripped part of the ampoule, and means for opening said grippers shortly after they have been raised for discharging the gripped part of the ampoule.

2,258,409
BOTTLE DISPENSING APPARATUS
Walter L. Cunningham, Muncie, Ind.
Application December 26, 1939, Serial No. 310,915
2 Claims. (Cl. 312—88)

1. A coin-controlled dispenser for containers comprising a slotted top member having a plurality of inter-communicating slots of such dimension as to permit the neck of a container to project therethrough while restricting passage of the body of the container, one of said slots being enlarged to provide a passage opening to permit the passage of a container therethrough, a receptacle disposed beneath said enlarged opening having one side open to permit the movement of a container into said receptacle, a blocker member oscillatingly supported from the under face of said top member and normally in position to permit a container to be deposited in said receptacle, a second blocker member at least partially covering said enlarged opening and swingable to permit the removal of a container through said opening, a coin-controlled means for operating said first-mentioned blocker

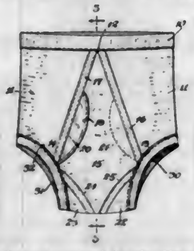


member, and stop means controlled by said coin-controlled means for preventing the opening of said second-mentioned blocker member when the first-mentioned blocker member is in a position to permit a container to be moved into said receptacle, the construction being such that said stop means releases said second-mentioned blocking means when the first-mentioned blocking means is moved to block the entrance of said receptacle.

2,258,410
METHOD OF MAKING STABLE VINYL RESINS
Joseph Dahle, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Continuation of application Serial No. 122,575, January 27, 1937. This application June 20, 1939, Serial No. 280,125
15 Claims. (Cl. 260—73)

1. The method of stabilizing a vinyl acetal resin formed in the presence of a mineral acid catalyst which includes the steps comprising subjecting a solution of the resin to the action of a neutralizing agent for the acid catalyst, subjecting a suspension of the resin to the action of a neutralizing agent for the acid catalyst, and subjecting a suspension of the resin to the action of methanol.

2,258,411
UNDERGARMENT
Jewett T. Flagg, Florence, Ala., assignor to Gardiner-Warring Company, Inc., Florence, Ala., a corporation of Alabama
Application September 26, 1939, Serial No. 296,562
1 Claim. (Cl. 2—234)



A man's undergarment including a body formed of one piece of material elastic and stretchable in one direction and substantially non-elastic and non-stretchable at right angles to the first direction positioned to be elastic and stretchable circumferentially of the garment and extending from the top to the bottom of the garment and also from a line near the front center of the garment around to a second line spaced near but from the center of the garment, a pair of superimposed panels positioned between said lines and extending across the front center of the garment, said panels at the upper part being formed substantially A-shaped with the apex at the top of the body and at the lower end formed substantially rectangular with the free end extending to the crotch of the garment, stitching connecting the side edges of said panels to the end edges of said body, said body and said panels at their lower ends being formed with leg openings, one of said panels in said A-shaped upper part being provided with a fly opening on one side and the other panel being provided with a fly opening on the other side, said fly opening being in the same horizontal plane, a reinforcing tape along the two side edges of the A-shaped upper part, a V-shaped reinforcing tape structure extending from the base of said A-shaped upper part to the crotch of the garment, and a pair of A-shaped reinforcing tapes at the rear of the garment extending from the center of the top edge of said body to the respective leg openings.

2,258,412
PROCESS OF PRODUCING ALUMINUM FLUORIDE
Leopold Kahl, Berlin, Germany, assignor to the firm Ruetgerswerke-Aktiengesellschaft, Berlin, Germany
No Drawing. Application February 4, 1939, Serial No. 254,601. In Germany March 9, 1938
6 Claims. (Cl. 23—88)

1. A process for obtaining aluminum fluoride from a water soluble double salt consisting of aluminum fluoride and another salt of aluminum, said process consisting of decomposing said water soluble double salt into aluminum fluoride and said other salt of aluminum by heating at the decomposition temperature, above 100° C., of said double salt, and separating aluminum fluoride from the other aluminum salt.

2,258,413
GEM SETTING
Marc Koven, New York, N. Y.
Application June 13, 1941, Serial No. 397,850
9 Claims. (Cl. 63—31)

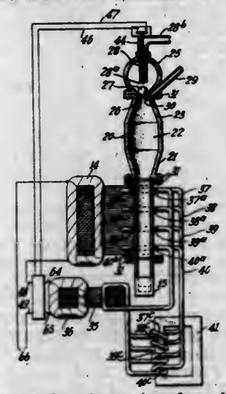


1. An article of the character described comprising an enclosure, said enclosure having relatively small gems contained therein, said enclosure having a series of openings in at least one face thereof said openings being large enough to view the contained gems and being small enough to restrain the said gems from passing therethrough.

2,258,414
DENATURANT
Hamline M. Kvalnes, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 20, 1940, Serial No. 346,521
3 Claims. (Cl. 252—366)

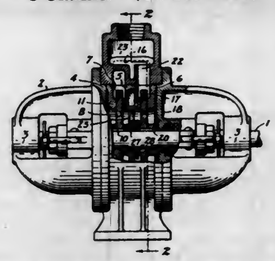
1. A denatured alcohol containing as an essential denaturant, denaturing quantities of methyl vinyl ketone.

2,258,415
REFRIGERATING APPARATUS
Francis Lago, New York, N. Y.
Application March 11, 1938, Serial No. 195,234
40 Claims. (Cl. 230—85)



1. A device of the character described comprising in combination a U-shaped conduit adapted to contain a conducting liquid and having a pair of electrodes within it spaced from each other in a direction transverse to the conduit, means for establishing a magnetic field across said conduit transverse to the direction of spacing of the electrodes and an electric circuit insulated from said conducting liquid except at said electrodes for passing an electric current between the electrodes whereby the effect of said current is to propel said liquid along said conduit, a compressing chamber above said conduit communicating therewith, means for reversing the phase relationship between the current between said electrodes and the magnetic field when the liquid has been so moved, whereby the direction of motion is reversed and a valve controlled inlet and outlet for gas to said chamber above the conducting liquid in said conduit, said reversing means comprising an element actuated by the momentum of the conducting liquid as it reaches the end of its movement in the conduit.

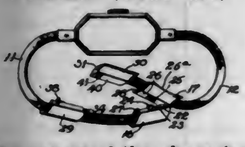
2,258,416
ROTARY PUMP
Hugo Leopold and Charles V. Copeland, Davenport, Iowa, assignors to Micro-Westco, Inc., Bettendorf, Iowa, a corporation of Delaware
Application September 25, 1940, Serial No. 358,249
3 Claims. (Cl. 103—108)



1. In a multistage rotary pump a casing, a plurality of pressure developing passages in series to develop increasingly greater fluid pressures, a shaft journaled in the casing, an impeller mounted on the shaft for each pressure developing passage, dividing means between ad-

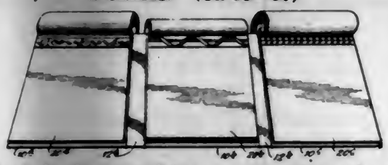
jacent passages extending toward said shaft and terminating in an annular portion spaced from but adjacent the shaft, and sealing means to seal a passage in which a higher fluid pressure is developed from an adjacent passage in which a lower fluid pressure is developed, said sealing means including a collar embracing the shaft with a running fit, a flange member extending radially from the shaft and having sealing engagement with the side of said annular portion which faces the higher pressure passage, said sealing means being mounted for free axial movement along said shaft, and means extending between said annular portion and said sealing means which prohibits rotational movement of said sealing means relative to said annular portion without interfering with the axial movement of said sealing means, whereby said sealing means moves in response to fluid pressure.

2,258,417
SECURING DEVICE FOR CONNECTING FLEXIBLE MEMBERS TOGETHER
Fred M. Lund and John H. Lund, Chicago, Ill.
Application February 7, 1940, Serial No. 317,624
7 Claims. (Cl. 24—265)



1. Securing means of the character described comprising, in combination, a pair of flexible members having end portions arranged to be placed in substantially side by side relation, a first connecter means slidably mounted on one member inwardly of its end, a second connecter means adjustably secured to the other member inwardly of the end thereof, and means on the end of each member for connecting such end with the connecter means on the opposite member, the end means which cooperates with the slidable connecter means including means for restraining said connecter means against sliding movement.

2,258,418
SAMPLE DISPLAY BOOK
William C. Macey, Winnetka, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application January 24, 1940, Serial No. 315,335
2 Claims. (Cl. 35—50)



1. A book comprising a cover formed of a single sheet member forming a plurality of sections, each section having secured thereto a group of sheets, each sheet of each group having a plurality of visually different adjacent areas representing, border and body designs of a wallpaper, the sheets of each group being connected together, and a U-shaped fly for each group and secured only by an intermediate portion thereof to an edge of the group, said fly having a portion independent of the sheet-connecting means and concealed by the bottom sheet of said group and adhesively secured to the inner side of one of said sections with said intermediate portion of each fly substantially flush with the same edge of said cover sheet member, each fly having a free portion hinged to said intermediate portion and having with said intermediate portion the appearance of a continuation of said cover sheet member, said hinged portion, when overlying its group, revealing one area and covering completely the other area of the associated top sheet, whereby the former areas of all top sheets may be examined together while the latter areas of said sheets are concealed.

2,258,419
RUBBER HEEL
Donato Piciulo, Jackson Heights, N. Y.
Application December 20, 1938, Serial No. 246,764
2 Claims. (Cl. 36—35)



1. A rubber heel comprising a pair of sections each provided with a cushioning cavity having a definite shape and area facing the heel of the shoe to which the heel is attached, a dependent projecting tread portion on the lower portion of each section disposed below the cavity and having substantially the same shape and area, an obliquely disposed rib along an edge of one of the sections situated above the lower portion and being in section in the form of a truncated triangle and forming a wall for said cavity, and an obliquely disposed tongue along an edge of the other section adapted to interlock with said rib above the lower portion to hold the sections together when fastened on the shoe heel.

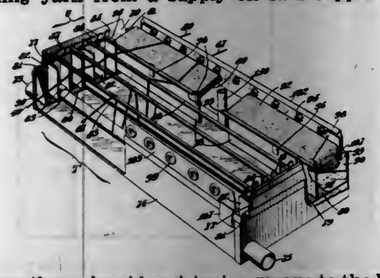
2,258,420
SELF-LUBRICATING BEARING
Emil H. Piron, New York, N. Y., assignor to Transit Research Corporation, a corporation of New York
Application July 22, 1938, Serial No. 220,645
6 Claims. (Cl. 308—238)



1. A sleeve for insertion between a relatively movable bracket and a shaft, said sleeve being composed of an elastic plastic and having an integral circumferential flange at each end thereof, said flange having a diameter different from that of the sleeve proper and more readily deformable than the sleeve proper and constituting deformable means adapted to be compressed when the sleeve is inserted between a shaft and bearing bracket to avoid excessive distortion of the sleeve proper and to exclude foreign matter.

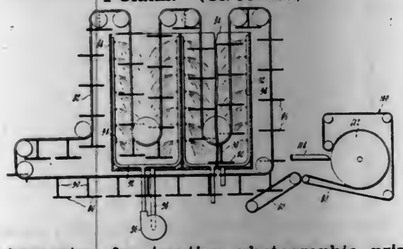
2,258,421
YARN CONDITIONING AND CONTROL APPARATUS FOR TEXTILE MACHINES
Max Richter, West Reading, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania
Application December 24, 1937, Serial No. 181,639
9 Claims. (Cl. 66—125)

9. In combination in a knitting machine having loop forming mechanism and yarn supply supporting means, of yarn moistening means including a liquid overflow device, means for feeding yarn from a supply on said supporting



means through said moistening means to the loop forming mechanism along a path, and means for receiving liquid from said overflow device and having a portion under said path for collecting excess moisture from the yarn thereon.

2,258,422
APPARATUS FOR TREATING PHOTOGRAPHIC PRINTS
Jacob Rodman and Max Raine, Dorchester, Mass., assignors to Max B. Klubock and Jacob Rodman, both of Boston, Mass., as trustees
Application December 22, 1939, Serial No. 310,588
1 Claim. (Cl. 95—89)



Apparatus for treating photographic prints, comprising in combination an endless conveyor including a series of holders, the bottom of each of said holders being comb-like and comprising substantially parallel, spaced teeth on which said prints are adapted to be supported, means for subjecting said prints as they are supported on said teeth to a succession of aqueous treating baths, a drier drum on which said prints are adapted to be dried after their subjection to said baths, an endless apron for carrying said prints about said drum, and a device for automatically transferring said prints to said apron from said holders after their subjection to said baths, said device comprising a series of spaced, endless carriers passing into the spaces between said teeth so as to lift said prints from support on said teeth and transfer them to said apron.

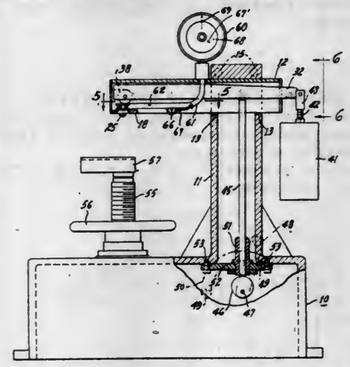
2,258,423
POLYMERIZATION OF ALPHA, BETA, UNSATURATED POLYCARBOXYLIC ACID ESTERS OF POLYHYDRIC ALCOHOLS WITH VINYL COMPOUNDS
John B. Rust, West Orange, N. J., assignor to Ellis-Foster Company, a corporation of New Jersey
No Drawing. Application October 25, 1938, Serial No. 236,898
5 Claims. (Cl. 260—41)

1. The polymerization process which comprises heating a polyhydric alcohol ester of an α,β-unsaturated aliphatic polycarboxylic acid in the presence of catalytic material comprising ascaridol.

2. The polymerization process which comprises heating a polyhydric alcohol ester of an α,β-unsaturated aliphatic polycarboxylic acid with a monomeric vinyl derivative miscible therewith and selected from the group consisting of vinyl esters, acrylic esters, methacrylic ester and styrene, in the presence of ascaridol.

5. The polymerization process which comprises heating a polyhydric alcohol ester of an α,β-unsaturated aliphatic polycarboxylic acid in the presence of oil derived from *Chenopodium ambrosioides*.

2,258,424
HARDNESS TESTING MACHINE
Clarence E. Smith, Dearborn, Mich., assignor to Pyro-Electro Instrument Co., Detroit, Mich., a corporation of Michigan
Application June 6, 1938, Serial No. 211,989
4 Claims. (Cl. 265—16)

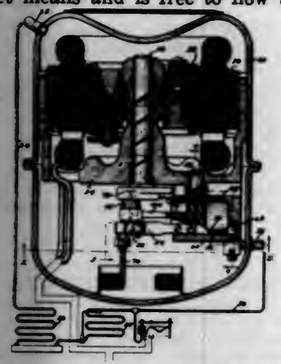


1. In a hardness testing machine, a base having an upright hollow standard, a substantially horizontal hollow beam extending through said standard, said beam being mounted on said standard for longitudinal adjustment with respect to position, a penetrator carried by said beam adjacent one end thereof, a lever extending within and longitudinally of said beam and operatively connected to said penetrator, said lever extending through said hollow upright standard, a weight member on said lever and operable to exert a force to urge said penetrator into material under test, a vertically reciprocal rod within said standard and at its upper end loosely abutting said lever intermediate said penetrator and said weight member, means within said base for reciprocating said rod, and a hardness indicator mounted on said beam and operatively connected to said penetrator.

2,258,425
REFRIGERATING APPARATUS
Harry F. Smith, Lexington, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application July 7, 1938, Serial No. 217,938
16 Claims. (Cl. 230—175)

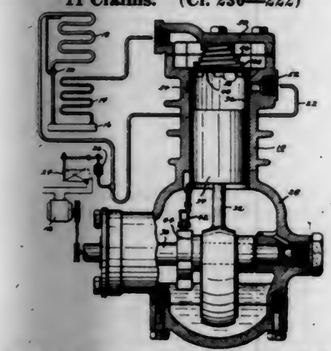
1. In a refrigerating system, a compressor having a compressing chamber, inlet and outlet means for said compressing chamber, refrigerant flow control means for said outlet means so constructed and arranged that refrigerant may

flow from said chamber at a predetermined difference in pressure between said chamber and said outlet means and is free to flow until the



end of the compression stroke of the compressor irrespective of pressure in said chamber and said outlet means.

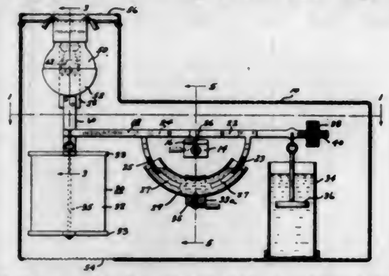
2,258,426
REFRIGERATING APPARATUS
Harry F. Smith, Lexington, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application October 26, 1938, Serial No. 237,090
11 Claims. (Cl. 230—222)



1. In a refrigerant compressor, means forming a pumping chamber, a piston within said chamber, inlet and outlet ports for said chamber, a sleeve valve surrounding said piston and controlling the opening and closing of said ports, a crankshaft for operating said piston, cam means on said shaft for operating said sleeve valve, and means whereby said sleeve valve moves to uncover said outlet port when the compression pressure exceeds the discharge pressure.

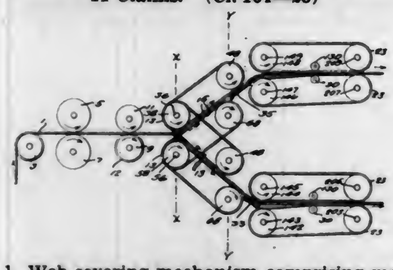
2,258,427
ELECTRICAL APPARATUS
Harry F. Smith, Lexington, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application April 21, 1939, Serial No. 269,176
5 Claims. (Cl. 200—52)

1. In a circuit maker and breaker, a main casing, a pivotally mounted contact carrying arm supported by said casing, a contact carried by said arm, a mercury cup disposed adjacent said contact, means whereby movement of said contact arm in one direction causes said contact to engage the mercury within said cup, and



means for maintaining the level of mercury within said cup constant irrespective of the depth to which said contact moves into said mercury.

2,258,428
PROCESS OF AND APPARATUS FOR DIVIDING A WEB
Lee R. Stalder, Kansas City, Mo., assignor to Certain-Teed Products Corporation, New York, N. Y., a corporation of Maryland
Application July 18, 1940, Serial No. 346,128
11 Claims. (Cl. 164—28)

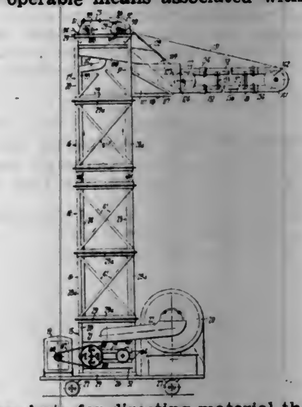


1. Web severing mechanism comprising means for feeding an elongated web in the direction of its longitudinal extent, means for weakening said web along longitudinal lines spaced transversely of the longitudinal extent of the web to demark a plurality of longitudinal strips in said web, means effective to move concomitantly with the movement of the weakened but unseparated web adjacent longitudinal strips in mutually divergent planes having a line of intersection substantially in said weakened but unseparated web, and means acting to secure said strips from substantial movement out of said divergent planes to effect separation of said web along said weakened longitudinal lines.

2,258,429
CONVEYING SYSTEM
Allen L. Stone, San Francisco, Calif., assignor, by mesne assignments, to Pneumastic Co., Inc., a corporation of Nevada
Application December 20, 1937, Serial No. 180,789
4 Claims. (Cl. 198—43)

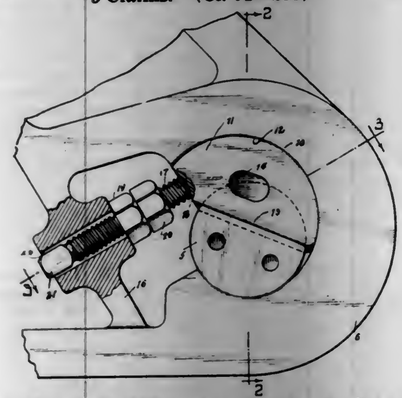
1. In a hoisting system, a circulating conveyor comprising a hopper, two conduits of tubing leading upwardly therefrom providing a hoisting conduit and a return conduit, an endless cable extending through said conduits having material conveying flights secured in spaced relation therealong, means for guiding and driving said cable to travel through said hopper and said tube, a discharge chute for receiving material from the

discharge end of said hoisting conduit, and selectively operable means associated with said dis-



charge chute for directing material therefrom to said return conduit.

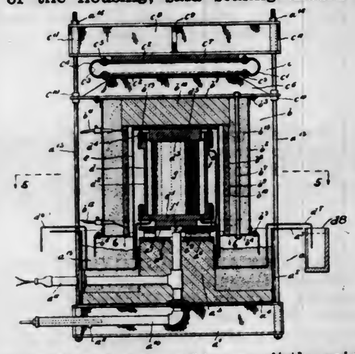
2,258,430
DREDGE BUCKET
William Hoffman Taylor, Phillipsburg, N. J., assignor to Taylor-Wharton Iron and Steel Company, High Bridge, N. J., a corporation of New Jersey
Application November 26, 1940, Serial No. 367,303
5 Claims. (Cl. 74—251)



1. A locking assembly for dredge bucket pins of the headless type, comprising, in combination, a pin and its supporting bearings, a cam space defined in part by a flat surface on the pin and in part by a curved track in the bearing stock, a cam having a conforming fit, and a controlling reaction device operatively mounted with relation to the cam.

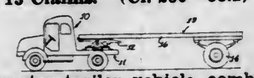
2,258,431
HEAT TREATING FURNACE
Samuel K. Wellman, Cleveland Heights, Ohio, assignor to The S. K. Wellman Company, Cleveland, Ohio, a corporation of Ohio
Application July 1, 1939, Serial No. 282,344
12 Claims. (Cl. 266—5)

1. In a heat treating furnace, the combination of means for supporting an upright stack of plate-like articles to be treated; housing means comprising a base structure and a rigid, unitary, bell-like cover having a top wall and a side wall depending therefrom, the said top and side walls in the operation of the furnace being respectively disposed above and laterally around the stack of articles under treatment; sealing means cooperating with the cover side wall and the base structure to prevent free escape of gas from the interior of the housing, said sealing means being



constructed and arranged to permit the said cover to be raised away from the base structure; means carried by the said cover for heating the chamber enclosed by the cover; and fluid pressure means operable at will for compressing the stack of articles under treatment between the support thereof and the top wall of the said cover with a variable pressure in excess of the weight of the said cover and parts sustained by it.

2,258,432
TRACTOR-TRAILER VEHICLE
Sidney B. Winn, Lapeer, Mich.
Application July 5, 1940, Serial No. 343,917
13 Claims. (Cl. 280—33.1)

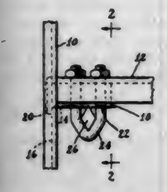


10. In tractor-trailer vehicle combinations, a king pin on one of the vehicles, a fifth wheel on the other of the vehicles and having a slot to receive the king pin, coupling means on said fifth wheel and cooperable with said king pin, said coupling means being movable into coupled relation with said king pin, and safety means projecting into the fifth wheel slot rearwardly of the king pin and also being operable for releasably holding said coupling means in coupled relation with said king pin.

2,258,433
DRAG HARROW
William L. Zink, Plano, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application February 15, 1939, Serial No. 256,417
4 Claims. (Cl. 55—8)

2. A harrow of the character described comprising a frame bar having an opening, a tool bar transverse to and abutting said frame bar, a journal extending through said opening and rotatably connecting said tool bar to said frame bar, said journal comprising a pair of journal portions disposed in complementary relation on a common side of said tool bar and provided with outwardly formed integral flange portions engaging the outer side of said frame bar, said

journal portions and tool bar having alined openings, a tooth member positioned on the outer side of said journal, and connecting means ex-

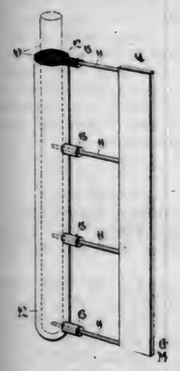


tending over said tooth member and through said alined openings for connecting and retaining said frame bar, said tool bar, said journal portions and said tooth member in an assembled unit.

2,258,434
METHOD OF ANCHORING COATINGS
Allen Abrams, George W. Forcey, and George J. Brabender, Wausau, and Winfred H. Graebner, Neenah, Wis., assignors to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin
No Drawing. Continuation of application Serial No. 269,781, April 24, 1939. This application February 9, 1940, Serial No. 318,180
7 Claims. (Cl. 91—68)

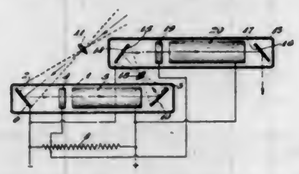
5. The method of anchoring thermoplastic coatings upon a sheet of vegetable parchment which comprises coating said sheet material with a bonding material comprising essentially rosin size, and anchoring to said bonding material a thermoplastic coating composition comprising essentially wax and rubber miscible with said bonding material and compatible therewith.

2,258,435
ELECTRODE
Gustav Adolph, Soiln, Germany, and Max E. Bretschger, Buffalo, N. Y., assignors to Buffalo Electro-Chemical Company, Inc., Buffalo, N. Y.
Application November 12, 1936, Serial No. 110,520
4 Claims. (Cl. 204—289)



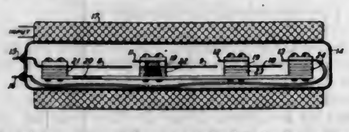
1. An anode for the production of percompounds comprising a core of conducting material, a sheath of non-conducting material stable toward the electrolyte of the bath in which the anode is used surrounding the core, a platinum tip upon which nascent oxygen develops when the anode is used in the production of percompounds spaced from the sheath, and a member of tantalum extending through the sheath and being connected electrically to the core and to the platinum tip so that when in use no nascent oxygen develops in contact with the sheath.

2,258,436
PHOTOTUBE FOR TRANSLATION OF IMAGES
Manfred von Ardenne, Berlin, Germany, assignor to Radio Patents Corporation, New York, N. Y., a corporation of New York
Application June 1, 1935, Serial No. 24,586
In Germany June 7, 1934
6 Claims. (Cl. 250—41.5)



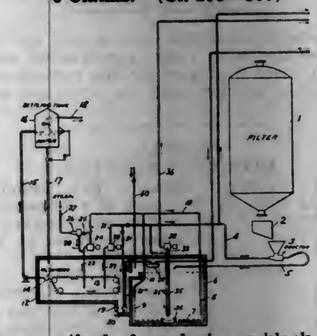
1. A photoelectric tube including a cathode and an anode having faces presented toward each other, the face of said cathode being coated with a substance capable of emitting electrons in proportion to the intensity of light rays striking the same, the face of said anode being coated with a substance adapted to give off light rays in proportion to electrons striking said substance, said cathode and said anode being spaced apart sufficiently so that light rays may be projected upon the coated face of said cathode to form a distinct image throughout an extended area upon said cathode face and so that the image upon said anode may be viewed by an observer, electron lens means between said cathode and anode for accelerating and focusing the electron image upon said cathode face onto said anode coating, and means for projecting an optical image upon the coated face of said cathode.

2,258,437
GAS TUBE
Robert H. Badgley, Morris Plains, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 29, 1940, Serial No. 354,681
4 Claims. (Cl. 250—27.5)



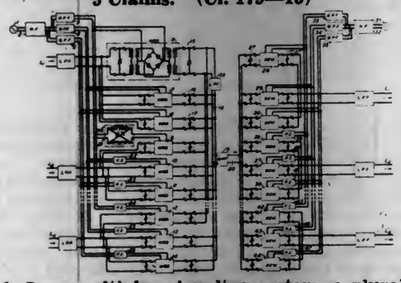
1. A relay comprising a sealed tubular envelope filled with an inert gas, a structure within said envelope comprising a plurality of tuned magnetic reeds each having a different natural period of vibration, a companion electrode adjacent each of said tuned reeds, said reeds each being mounted with one end thereof secured and the other end thereof free to vibrate, said electrodes each being mounted to form a normal gap with its companion reed transiently diminishable during the vibration of said companion reed, a pair of terminals connected to said structure and sealed through said envelope, and means external to said envelope for setting said reeds into vibration.

2,258,438
METHOD FOR THE MANUFACTURE OF BLACK PIGMENT
Paul D. Barton, Chester County, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Original application March 29, 1938, Serial No. 198,794. Divided and this application July 7, 1938, Serial No. 217,888
6 Claims. (Cl. 106—307)



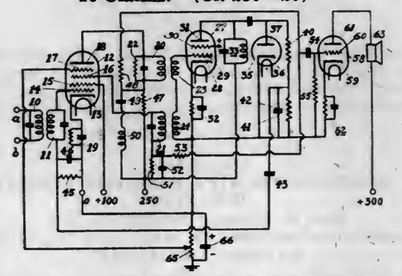
1. In a method of producing a black pigment by burning in a reducing atmosphere clay containing adsorbed oil, an improvement which comprises introducing clay containing an amount of oil in excess of that desired in the clay to be burned into a zone of leaching and agitation, therein passing through the clay water having such a pH value greater than 7 and at such temperature as to remove from the clay such portion of the oil as will leave in the clay an amount of oil slightly in excess of that desired in the clay to be burned, removing the clay from said zone of leaching and agitation and mechanically separating the greater portion of water therefrom, drying the thus largely dewatered clay by passing a hot gas thereover to vaporize the water with resultant steam distillation of the excess oil, and then burning the dried clay in a reducing atmosphere and utilizing the hot products of combustion from the burning step as the hot gas in the drying step specified.

2,258,439
MULTIPLEX TRANSMISSION WITH PHASE DISCRIMINATION
William R. Bennett, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 22, 1940, Serial No. 341,833
5 Claims. (Cl. 179—15)



1. In a multiplex signaling system, a plurality of signal sources, means to produce carrier waves of a plurality of frequencies, modulators connected to said signal sources and supplied with said carrier waves for producing signal modulated waves for transmission, each signal source being connected in common to a plurality of modulators equal in number to the number of said carrier waves, each of said plurality of modulators common to a given signal source being supplied with a carrier wave of a different frequency, whereby carrier waves of like frequencies are separately modulated by signals from the respective sources, and means for shifting the phase of each carrier by progressive amounts before it is supplied to the respective modulators.

2,258,440
AMPLIFYING SYSTEM
Heinz Boucke, Berlin-Charlottenburg, Germany, assignor to Radio Patents Corporation, a corporation of New York
Application January 18, 1940, Serial No. 314,410
In Germany January 23, 1939
10 Claims. (Cl. 250—20)



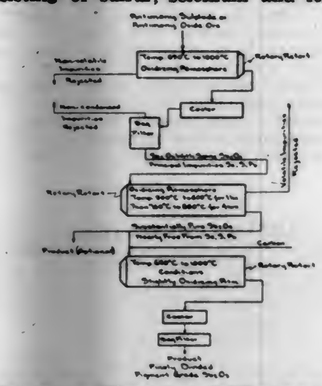
10. In an amplifier for modulated carrier signals, an electron discharge tube provided with a cathode, a signal input grid, a positively biased anode grid, a selectivity control grid, and an anode arranged substantially in the order named, means for impressing a carrier signal potential to be amplified upon said input grid, an output circuit, coupling circuit connections from said output circuit to both said anode grid and said anode, first resonant impedance means having relatively sharp selectivity characteristics inserted in one of said circuit connections, further resonant impedance means having relatively broad selectivity characteristics inserted in the other of said circuit connections, and a source of biasing potential connected to said selectivity control grid and cathode.

2,258,441
MANUFACTURE OF ANTIMONY OXIDES
Abe R. Bozarth, Cleveland, Ohio, assignor to The Harshaw Chemical Company, Elyria, Ohio, a corporation of Ohio
Application December 27, 1939, Serial No. 311,143
9 Claims. (Cl. 23—144)

1. A method of producing pure antimony compounds comprising removing volatilizable and non-volatilizable impurities from antimony values by separate operations, volatilizable impurities including one or more elements of the class consisting of sulfur, selenium and lead, being removed by volatilization while the antimony is in the form of the tetroxide, and non-volatilizable impurities being removed by volatilizing the antimony in the form of the trioxide, whereby such impurities are left behind, the volatilized antimony trioxide being condensed at a place spaced from such non-volatilizable impurities.

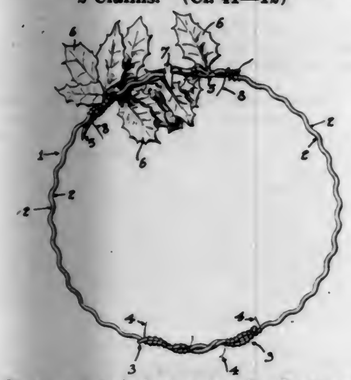
2. In a process for producing a pure antimony

trioxide, the steps of heating antimony tetroxide, containing one or more impurities of the class consisting of sulfur, selenium and lead, under



oxidizing conditions to volatilize such impurity or impurities, removing the volatilized impurities from the antimony tetroxide and then reducing the so purified tetroxide to the trioxide.

2,258,442
CORRUGATED WIRE RING FOR FLORAL WREATHS
Paul A. Brenner, Bridgeville, Del.
Application December 30, 1940, Serial No. 372,423
2 Claims. (Cl. 41—12)



1. In a corrugated wire ring for floral wreaths, the combination of a flat sided wire having corrugations throughout its length, the wire being bent into a ring and the end portions of the wire being fastened to the body of the ring, and smaller wires wound around the corrugations near the end portion of the ring.

2,258,443
CORRUGATING ROLLER CONSTRUCTION
Hobart W. Bruker, Bordentown, N. J., assignor to George W. Swift, Jr., Inc., Bordentown, N. J., a corporation of New Jersey
Application March 25, 1939, Serial No. 264,108
6 Claims. (Cl. 154—30)

1. In combination, a corrugating roll of the class described having alternating teeth and valley portions extending along the roll, and also having a series of peripheral grooves therein extending around the roll and intersecting said teeth, the depth of said valley portions being greater than the depth of said grooves thereby to provide bottom walls for said valley portions which extend across the grooved portion of the roll, and a second corrugating roll meshing with

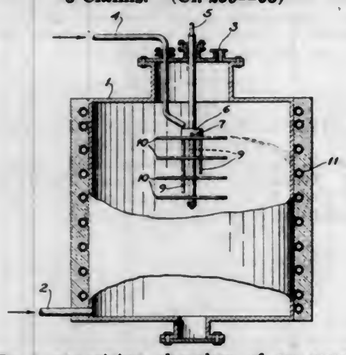


the roll above mentioned, said second roll having teeth provided with peaks constructed and arranged to mesh into substantially continuous paper pressing relation with the aforesaid bottom walls.

2,258,444
RECOVERY PROCESS
Robert F. Cockerill, Elsmere, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 24, 1939, Serial No. 305,935
10 Claims. (Cl. 202—52)

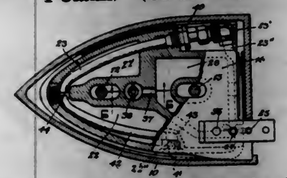
1. A process of recovering the constituents present in a mixture containing a hydroxy acetic acid ester and ethylene glycol during which condensation of the hydroxyacetic acid ester with itself and reaction of the hydroxyacetic acid ester with ethylene glycol are inhibited, which comprises effecting the separation of the hydroxy acetic ester from the ethylene glycol by distillation at temperatures under 150° C. and at a pressure below 300 mm. the ester and glycol being in liquid phase contact with each other for not appreciably more than 1 hour.

2,258,445
APPARATUS FOR VAPORIZATION
Walter Coopey, Charleston, W. Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application February 6, 1940, Serial No. 317,513
3 Claims. (Cl. 299—63)



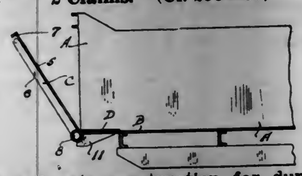
1. In a vaporizing chamber of an apparatus for vaporization, a rotatable, vertical shaft mounted within the vaporizing chamber, said shaft bearing a plurality of concentrically mounted vanes and, above the uppermost vane, a coaxially disposed distributing cup divided into as many compartments as there are vanes, each compartment being connected with a conduit leading to the upper surface of a different one of said vanes; and a conduit leading from a source of material to be vaporized and arranged to deliver said material into the rotating compartments of the distributing cup.

2,258,446
PRESSING IRON
Samuel Dowinsky, New York, N. Y.
Application January 19, 1939, Serial No. 251,683
1 Claim. (Cl. 38—77)



A pressing iron including a base having steam super-heating chambers therein and having discharge orifices in the bottom of the iron leading from said super-heating chambers, a block fixed on said base and having a front heating chamber and a rear heating chamber, said front and rear heating chambers extending substantially throughout said block in the same plane, a manually-operated valve controlling communication between said front heating chamber and said rear heating chamber, means having a water supply in liquid communication with one end and an opening into the front heating chamber at the other end, for supplying low quality steam to said front-heating chamber, said block and base having communicating passages therein connecting said rear heating chamber with the super-heating chambers in the base, and an electric heating element in the base below the block and serving to heat both the base and the block.

2,258,447
TAIL GATE
Philip R. Fairbanks, Ogden, Utah
Application April 5, 1940, Serial No. 328,075
2 Claims. (Cl. 296—57)



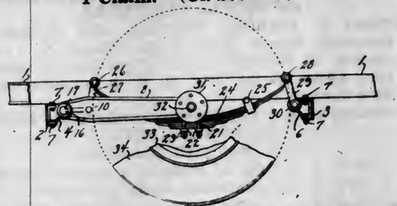
1. A tail gate construction for dump trucks comprising a dump truck body; a bed plate mounted across the rear end of the bottom of the body said plate having the longitudinal edge at the rear of the body formed arcuate; a tail gate for said body having the lower edge of the gate reinforced and formed as a tubular member with the gate pivotally mounted at the ends of the tubular member spacing the tubular member parallel with said arcuate edge of said bed plate with the top surface of the bed plate tangential to said tubular member and substantially in contact therewith.

2,258,448
ORANGE PEELER, SECTIONIZER, AND GRAPEFRUIT PREPARING TOOL
Frank A. Gesell, Jersey City, N. J.
Application July 9, 1940, Serial No. 344,468
8 Claims. (Cl. 30—24)



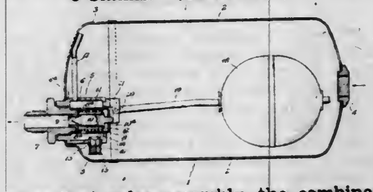
1. An orange peeler and sectionizer and grapefruit preparer comprising a body acting as a handle, means on one end of said body consisting of spaced parallel cutters and a peel remover connecting said cutters between the same for cutting and peeling strips of oranges, and an arc-shaped seed remover and stripper at the other end.

2,258,449
GROUND WHEEL MOUNTING, ESPECIALLY FOR TRAILERS
August J. Grabach, deceased, late of Toledo, Ohio, by Clyde H. Carter, administrator, Toledo, Ohio, assignor to Mayme B. Grabach, Toledo, Ohio
Application June 6, 1940, Serial No. 339,042
1 Claim. (Cl. 267—19)



A ground wheel mounting for a trailer embodying a trailer chassis having a pair of parallel side frames, a pair of opposing channels in carrying position for the chassis and connecting the side frames, a pair of fixed brackets in the channels and extending therefrom toward each other, a shackle link directly mounted by one of said fixed brackets, a lever directly mounted by the other of said fixed brackets, said lever extending normally toward the shackle link connection to its fixed bracket, a ground wheel axle at the free end of the lever, a second shackle link having pivotal connection directly to the lever between the wheel axle and the lever connection to its fixed mounting bracket, and a leaf spring connected to each of the shackle links and extending beneath the axle, whereby the leaf spring has shackle floating freedom relatively to the chassis and the axle has lever floating freedom relatively to the chassis and directly influenced by one shackle connection of the spring to the lever.

2,258,450
FLOAT VALVE
Frank O. Graham, Detroit, Mich., assignor to Temprite Products Corporation, Detroit, Mich., a corporation of Michigan
Application August 2, 1940, Serial No. 350,026
3 Claims. (Cl. 62—127)



1. In a float valve assembly, the combination of a casing structure forming a float chamber with a fluid inlet passage and a valve chamber with a fluid outlet passage and having a passage establishing communication between said chambers; a main valve controlling flow through said outlet passage; means, comprising a float in the float chamber, for opening said valve when the liquid level in the float chamber rises and for closing said valve when said level falls; a valve

for restricting the flow of liquid from the float chamber to the valve chamber through the said passage between said chambers, said valve being arranged to open with the flow but being biased against such opening; and means establishing communication between the valve chamber and the upper part of the float chamber above the maximum liquid level therein; whereby, upon the opening of the main valve, suction in the said outlet passage effects a discharge of gas from the upper part of the float chamber through the said outlet passage.

2,258,451

PROCESS OF MAKING NEGATIVES IN METAL OF METAL SURFACES

Herbert S. Ingham, Jamaica, and Arthur P. Shepard, Forest Hills, Long Island, N. Y., assignors to Metallizing Engineering Company, Inc., Long Island City, N. Y., a corporation of New Jersey

No Drawing. Application January 31, 1940, Serial No. 316,578
2 Claims. (Cl. 22—190)

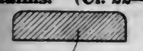
1. In the process of making a metal negative of a smooth metal surface with metal, while said surface is at a temperature of incipient adhesion for said spray metal, and removing the coherent spray metal coating formed, the improvement which comprises first applying to said surface prior to said spraying, a substantially thin coat of a first metal and thereafter spraying said coated surface with a second metal, while said coated surface is at a temperature of at least incipient adhesion for said second metal and below the temperature at which inseparable adhesion occurs, at least until the surface sprayed is covered with spray metal, said first metal being so selected that the temperature of incipient adhesion of the therewith coated surface to said second metal is lower than the temperature of incipient adhesion of said uncoated surface to said second metal.

2,258,452

PROCESS OF MAKING NEGATIVES IN METAL OF SOLID OBJECTS OR SURFACES

Herbert S. Ingham, Jamaica, and Arthur P. Shepard, Forest Hills, Long Island, N. Y., assignors to Metallizing Engineering Company, Inc., Long Island City, N. Y., a corporation of New Jersey

Application January 31, 1940, Serial No. 316,583
5 Claims. (Cl. 22—190)



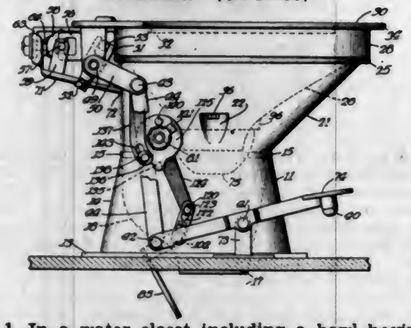
1. Process of making negatives in metal of a matrix by metal spraying which comprises providing a matrix with a base member extending substantially from the surface of said matrix adjacent all sides thereof, at least partly surrounding said matrix in spaced relation thereto with a frame member, said frame member being positioned to substantially define with said matrix and said base member a space, spraying metal onto said matrix, said base member, and into said space at least until a spray metal shell of substantially self-supporting thickness is formed on said matrix and said base member substantially extending on said base member from said matrix to said frame member, tied down by the corner formed by said frame member and base member, and removing at least that part of said shell covering said matrix substantially intact from said matrix.

2,258,453

WATER CLOSET

Clarence H. Johnson, Chicago, Ill., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware

Application August 12, 1939, Serial No. 289,848
14 Claims. (Cl. 4—85)



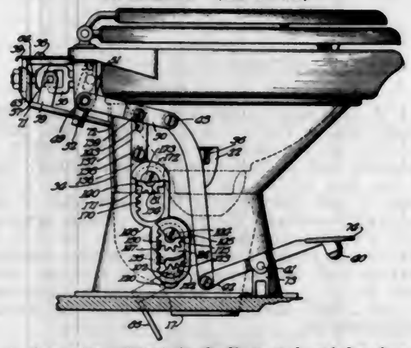
1. In a water closet including a bowl having a discharge opening and a supporting stand having a drain opening with a dump pan and a closure member for the discharge and drain openings, respectively, and each having an operating shaft; means for operating said dump pan and closure member, including a lever assembly floatingly mounted on the pan operating shaft, said assembly comprising relatively movable members connected by a spring, and means on the closure member shaft co-operating with the lever.

2,258,454

WATER CLOSET

Clarence H. Johnson, Chicago, Ill., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware

Application September 9, 1939, Serial No. 294,045
20 Claims. (Cl. 4—85)



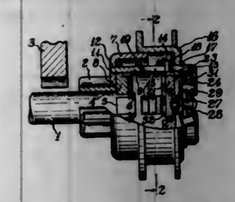
1. A water closet including a bowl having a discharge opening; a supporting stand having a drain opening; a dump pan operatively associated with said discharge opening and having an operating shaft; a bottom closure member operatively associated with said drain opening and having an operating shaft; and means for sequentially operating said closure member and dump pan comprising a pinion on said dump pan operating shaft, a pinion on said closure member operating shaft, an intermediate pinion co-operating with said last-named pinion, and an actuating rack co-operating with the first-named pinion and said intermediate pinion.

2,258,455

ENGINE STARTER GEARING

Burr W. Jones, Elmira Heights, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application June 22, 1940, Serial No. 341,917
11 Claims. (Cl. 74—6)



1. In a starter gear, a power shaft, a pinion slidably journalled thereon, a driving clutch member fixed on the shaft, a driven clutch member, means connecting the driven clutch member and the pinion for rotation in unison, manually operable means for sliding the driven clutch member into engagement with the driving clutch member and the pinion into engagement with a member of an engine to be started, and centrifugal means rotatable with the driven clutch member for holding it out of engagement with the driving clutch member.

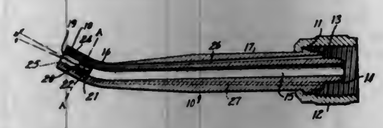
3. Starter gearing for internal combustion engines including a power shaft, a pinion slidably journalled thereon, a driving clutch member fixed to the power shaft, a driven clutch member, means connecting the driven clutch member and the pinion for rotation in unison while permitting relative longitudinal movement thereof, and manually operable means for shifting the pinion and driven clutch member into operative position, the shifting means for the pinion including a connection adapted to yield in case the movement of the pinion is obstructed in order to permit engagement of the clutch members.

2,258,456

BLOWPIPE NOZZLE FOR THERMOCHEMICALLY FORMING A GROOVE IN A FERROUS METAL BODY

Everett P. Jones, Elizabeth, N. J., assignor to Oxweld Acetylene Company, a corporation of West Virginia

Application February 2, 1939, Serial No. 254,205
17 Claims. (Cl. 158—27.4)



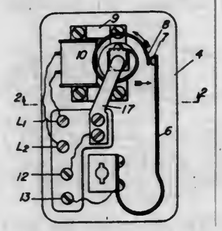
1. A blowpipe nozzle for flame machining deep grooves comprising a main body portion and a short end portion at an obtuse angle thereto, said nozzle having an oxygen passage therethrough, said oxygen passage having a relatively large cylindrical outlet portion extending a relatively short distance back from the outlet end of the nozzle, a restricted metering passage in said oxygen passage discharging into said outlet portion at least a portion of said metering passage being slightly bent, and an inlet portion for conducting oxygen to said metering passage.

2,258,457

THERMOSTAT

James Lewis Kimball, Danvers, Mass., assignor to Ruggles-Klingemann Mfg. Co., Salem, Mass.

Application January 11, 1940, Serial No. 313,419
2 Claims. (Cl. 200—139)



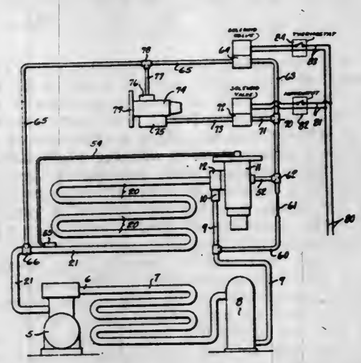
1. In a thermostat, a circuit closing contact element responsive to variations in temperature, a continuous rotating contacting member cooperating therewith said rotating contacting member comprising a spiral wound flat spring of relatively thin material adapted to coil when contacted with and uncoil when released from said contact, and means to rotate said contacting member to engage the temperature responsive element for variable length of time in each cycle of operation in accordance with variations in temperature within a cycling period.

2,258,458

CONTROL OF REFRIGERATING FLUIDS

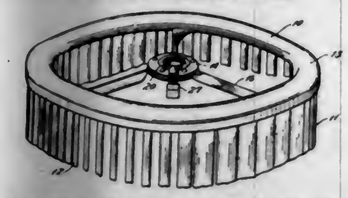
Harold T. Lange, Webster Groves, Mo., assignor to Spoehrer-Lange Company, St. Louis, Mo., a corporation of Missouri

Application December 12, 1938, Serial No. 245,192
13 Claims. (Cl. 62—6)



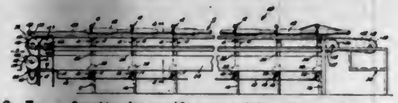
1. The described method of regulating the flow of refrigerant in a cooling system for the air in a space to be conditioned, which consists in throttling the flow of refrigerant in accordance with a pressure effect which is the resultant of at least one fluid pressure component variable in response to changes in temperature in the low pressure side of the system, and another component pressure derived from both the high and low pressure sides of the system, and in differently varying the last said pressure component in accordance with different predetermined characteristics of air in the space conditioned by the evaporator of the system.

2,258,459
HUB AND WHEEL STRUCTURE FOR FANS OR BLOWERS
Frank G. Marbach, Cleveland, Ohio, assignor to Morrison Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application March 7, 1941, Serial No. 382,222
7 Claims. (Cl. 230—132)



1. A wheel-like structure for a fan or blower comprising a circular sheet metal member formed as a single piece and having a rim portion and a central disk portion connected with said rim portion by a plurality of bevelled arms, said central disk portion being substantially flat and having a shaft-receiving opening therein, and a pair of oppositely dished disks secured against opposite sides of said central disk portion and having openings aligned substantially with said shaft-receiving opening.

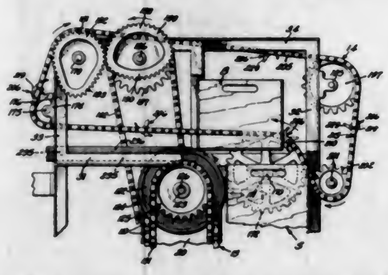
2,258,460
QUICK CHANGE FRUIT SIZER
George P. Marsden, Riverside, and Ernest A. Verrinder, Redlands, Calif., assignors to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application March 4, 1939, Serial No. 259,826
17 Claims. (Cl. 209—103)



6. In a fruit sizer, the combination of: a series of sizing devices along which fruit to be sized passes, each of said devices presenting a fruit sizing opening to said fruit; a setting means for each of said devices providing a plurality of predetermined settings, each setting when brought into operative relation with a sizing device, causing the sizing opening of said device to be established for sizing a particular one of a plurality of different varieties of fruit; selecting means for simultaneously bringing corresponding settings of all said setting means into operative relation with their respective sizing devices to establish selectively all of said sizing openings for sizing one or another of said varieties of fruit; and an adjusting mechanism associated with all of said setting means but separate and distinct from said selecting means for simultaneously effecting fine adjustments in all of said settings said adjustments changing the dimensions of all the sizing openings established by operating said selecting means.

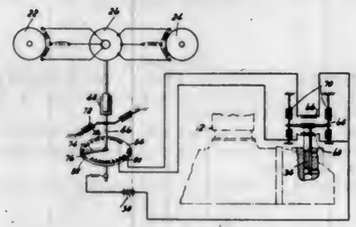
2,258,461
UNSTACKING ELEVATOR
George P. Marsden and Fred Stebler, Riverside, Calif., assignors to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application March 10, 1939, Serial No. 261,018
28 Claims. (Cl. 198—35)

2. In a mechanism for lifting each successive uppermost box from the top of a rising stack of boxes and transferring each such box out of the path of said rising stack, the combination of: a rotary member rotatable on a horizontal axis and positioned for frictional engagement with one side of said uppermost box; power means for driving said rotary member at a peripheral speed greater than the rate of movement of said stack; a box engaging shoe adapted to engage the side



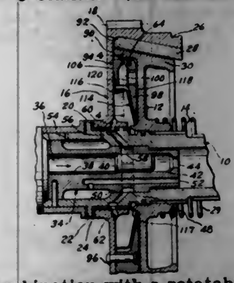
of said box opposite the side engaged by said rotary member; guide means determining the path of travel of said shoe, said path extending across the path of said rising stack and over the top of said rotary member; and power means for moving said shoe along said path, said rotary member and said shoe coacting to lift said uppermost box from said stack, said shoe operating to discharge said box over the top of said rotary member.

2,258,462
ELECTRIC SYNCHRONIZER
Eric Martin, West Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application February 26, 1938, Serial No. 192,780
7 Claims. (Cl. 60—97)



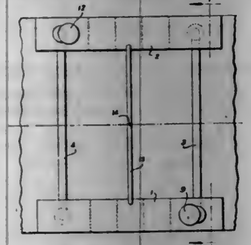
1. Apparatus for synchronizing the speeds of cooperating powerplants each having an individual speed controlling means comprising, a hydraulic motor for operating at least one of said speed controlling means, a valve for controlling said motor having a neutral position in which it blocks said motor and renders said speed controlling means inoperative to change the speed of the associated engine, means resiliently urging said valve to its neutral position, a speed difference responsive means having an element rotatable at a speed in direct proportion to the magnitude of the difference between the speed of the engine having said hydraulically adjusted speed controlling means and another engine or reference speed device, and means including a torque coupling between said rotatable element and said valve for urging said valve away from its neutral position with a force proportional to the speed of said rotatable element.

2,258,463
DESLUDGING DEVICE
Veon I. Moncrieff, West Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application September 28, 1940, Serial No. 358,863
9 Claims. (Cl. 192—113)



8. In combination with a rotatable liquid actuated device comprising, telescoping parts defining an expansible liquid receptacle, a desludging mechanism comprising means rotatable with one part of said device and defining a chamber having radially extending pockets, and means for routing the liquid for actuating said device through said chamber.

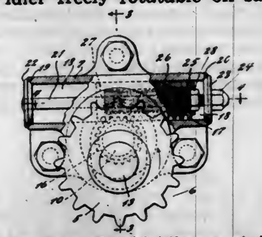
2,258,464
HYDRAULIC OSCILLATOR
Lewis Ferry Moody, Princeton, N. J.
Application March 29, 1938, Serial No. 198,792
18 Claims. (Cl. 114—125)



1. A hydraulic oscillator for creating, maintaining or controlling an oscillating motion in a column of fluid of a stabilizing system comprising, in combination, a uni-directional rotating shaft having a runner provided with a hub and a set of angularly oscillatable blades pivotally mounted in said hub, a set of fixed axially directed guide vanes on each side of said runner, each of said guide vanes being axially straight throughout its length, power means adapted to operate at times to drive said shaft and at other times to be driven by said shaft for either direction of flow, and means for angularly oscillating the blades of said runner through an angular range extending to each side of a transverse plane normal to the runner axis whereby the blades are adapted for continuously reversing the direction of flow through the oscillator during said uni-directional rotation.

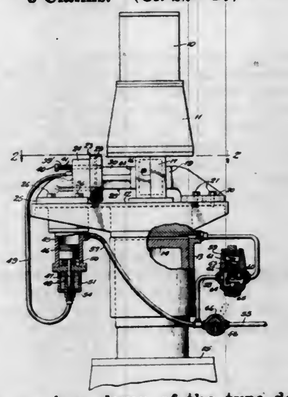
2,258,465
SLACK TAKE-UP DEVICE
Richard L. Mullaney, West Hartford, Conn., assignor to The Whitney Chain & Mfg. Company, Hartford, Conn., a corporation of Connecticut
Application May 6, 1940, Serial No. 333,477
4 Claims. (Cl. 74—242.11)

1. In a slack take-up device, a rotatable shaft, an arm on one end of said shaft and extending transversely thereof, a bearing rigid with said arm and parallel to said shaft but offset therefrom, an idler freely rotatable on said bearing



on the center lien of said idler, a pinion secured to said shaft, a slidable rack engaging said pinion, and a spring urging said rack in one direction to rotate said shaft in one direction.

2,258,466
CORE BOX CLAMP FOR CORE MAKING MACHINES
Walter E. Naylor, Chicago, Ill., assignor to Champion Foundry & Machine Company, Chicago, Ill., a corporation of Illinois
Application July 27, 1940, Serial No. 347,829
3 Claims. (Cl. 22—10)

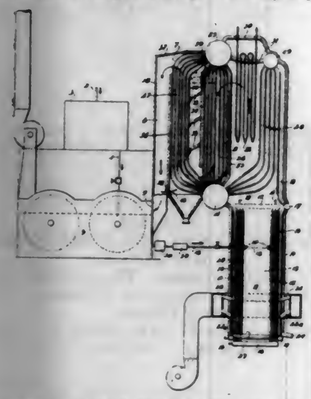


1. In a core-box clamp of the type described, the combination with a sand transfer member, a platform beneath said transfer member to support a divided core-box, and a pneumatic motor for raising said platform to force the core-box into snug contact with said transfer member, of an hydraulic press mounted on said platform engaged with one side of said core-box, a fixed abutment on said platform engaged with the opposite side of said core-box, an hydraulic pump communicating on its discharge side with the liquid chamber of said hydraulic press, a pneumatic motor for actuating said hydraulic pump, a compressed air supply line having branches respectively serving said pneumatic motors, and a cock in said air supply line for admitting and exhausting compressed air to and from said branches.

2,258,467
METHOD AND APPARATUS FOR THE RECOVERY OF HEAT AND CHEMICALS FROM BLACK LIQUOR
Vincent P. Owens, Plainfield, N. J., assignor to Combustion Engineering Company, Inc., New York, N. Y., a corporation of Delaware
Application October 14, 1939, Serial No. 299,517
3 Claims. (Cl. 23—48)

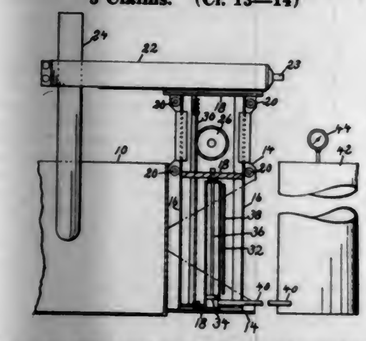
1. The self-sustaining method of recovering

chemicals from black liquor which comprises normally supplying liquor of given low density to a waste heat evaporator; increasing the density of said black liquor in said evaporator to a given high density by normally delivering waste gases from a recovery furnace and boiler unit into said evaporator after said waste gases have passed over and among the boiler surfaces of said unit; delivering said high density liquor into



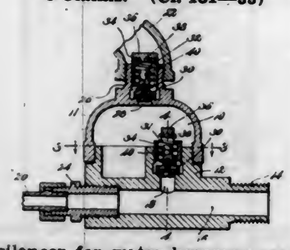
said recovery furnace and boiler unit at a given rate; and maintaining the density of the liquor leaving said evaporator and being delivered into said furnace and boiler unit constant when the liquor supplied to the evaporator drops below said given low density by controllably by-passing hot waste gases in said boiler and furnace unit to increase the temperature of the waste gases delivered into said evaporator.

2,258,468
AUTOMATIC ELECTRIC ARC FURNACE ELECTRODE CONTROL
William Harvey Payne, La Grange, Ill.
Application May 20, 1940, Serial No. 336,107
3 Claims. (Cl. 13—14)



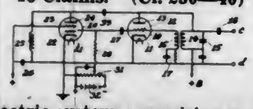
1. In an electric arc furnace, the combination of a supporting frame-work, a member guided for vertical movement with respect thereto, an electrode supporting arm secured to said member and an electrode carried thereby, reversible unyielding means for applying a positive raising or a positive lowering force to said member and the supporting arm and electrode carried thereby, and means including a closed container system confining a gas under pressure therein and adapted to apply a substantially constant lifting pressure to said member for counterbalancing the weight of said member and the parts supported thereby.

2,258,469
SILENCER FOR WATER HAMMER
Jacob Podolsky, Boston, Mass.
Application July 19, 1939, Serial No. 285,381
8 Claims. (Cl. 181—33)



1. A silencer for water hammer comprising a water chamber, having walls for confining water of water hammer waves against escape to atmosphere; and a water passage, adapted for being connected to a water piping system; said passage having two ports into said chamber, which said ports are spaced apart from each other along the passage in sequence from said connection; one of these ports having a valve mounted to be opened by pressure of liquid from the passage inward toward the chamber, and the other of these ports having a valve mounted to be opened by pressure of liquid from the chamber outward toward the passage.

2,258,470
ELECTRONIC REACTANCE DEVICE
Karl Rath, New York, N. Y., assignor to Radio Patents Corporation, a corporation of New York
Application April 27, 1940, Serial No. 331,975
15 Claims. (Cl. 250—40)

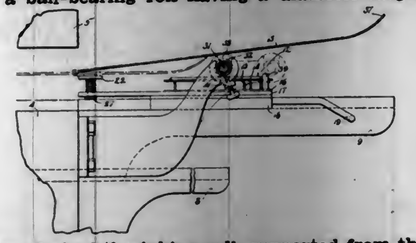


1. An electric system comprising a circuit traversed by an alternating current, an electron discharge tube having at least a cathode, an accelerating electrode, and a decelerating electrode arranged to bring about a concentrated electron space charge adjacent to said decelerating electrode, means including circuit connections from said circuit to said tube for varying the electron space current of said tube in accordance with said alternating current, and coupling means between said decelerating electrode and said circuit to introduce quadrature voltage induced upon said decelerating electrode by said space charge into said circuit.

2,258,471
INK-MARKING AND PERFORATING MACHINE
Stig E. Rosenberg, Brockton, Mass.
Application March 7, 1938, Serial No. 194,299
1 Claim. (Cl. 101—324)

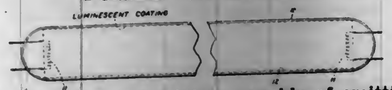
In a combined ink-marking and perforating machine, the combination with a die movable from and to a position of pressure to and from a position of clearance, a work support movable with the die and pivoted to swing about an axis

adjacent its rear edge, a pair of stationary supports mounted on opposite sides of the machine, respectively, a horizontal shaft journalled in the supports, and an inking roll carried by the shaft, of a ball-bearing roll having a diameter larger



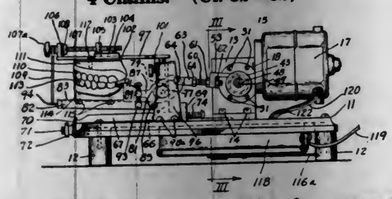
than that of the inking roll, supported from the shaft, interposed between one end of the inking roll and the adjacent support and engageable with the lower face of the work support to space it from the inking roll during movement of the die into the position of clearance.

2,258,472
GASEOUS ELECTRIC DISCHARGE LAMP DEVICE
Alfred Ruttenauer, Berlin-Halensee and Otto Fritze, Schulzendorf, near Eichwalde, Germany, assignors to General Electric Company, a corporation of New York
Application February 20, 1939, Serial No. 257,490
In Germany February 25, 1938
4 Claims. (Cl. 250—81)



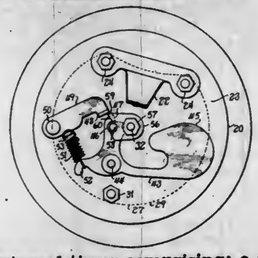
1. A luminescent mixture capable of emitting a large amount of warm reddish-white light under excitation by an electric discharge through mercury vapor, said mixture comprising a yellowish-red luminescent zinc-beryllium silicate having mixed therewith about 20 to 30 per cent of a luminescent material of the group consisting of violet to red-violet fluorescing tungstates and molybdates containing about 0.3 to 2 per cent samarium and 0.1 to 1.0 per cent of a metal of the group consisting of bismuth, lead, silver and copper.

2,258,473
RECIPROCAL DENTAL GRINDER
Joseph Earl Scott, Pratt, Kans.
Application September 7, 1940, Serial No. 355,831
4 Claims. (Cl. 32—32)



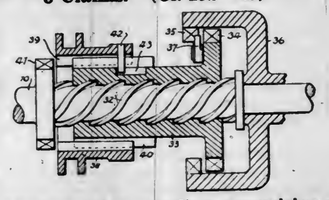
1. A denture grinding machine for upper and lower sets of false teeth by a three point contact action comprising a maxilla and mandible plates, adjustable means both vertically and longitudinally for the maxilla plate, supporting means for the mandible plate, adjustable both longitudinally and laterally, posts carried by the supporting means, rotatable guide means carried by the posts, arcuate condyle links engaging the guide means, link means connecting the arcuate links with the mandible, driving cams carried by the machine, means connecting the cams with the arcuate links, power means for driving the cams, one of said cams adjustable with respect to the other, said links and said cams adapted to impart a protruding and lateral motion to the mandible in a simulated condyle path.

2,258,474
INTERVAL TIMER
Charles B. Simmons, Bristol, Conn., assignor to The Sessions Clock Company, Forestville, Conn., a corporation of Connecticut
Application January 15, 1938, Serial No. 185,079
6 Claims. (Cl. 161—23)



1. An interval timer comprising: a time-movement; a cocking-member connected therewith; an actuating-arm for a signal or the like; and a latching-trigger; the said actuating-arm and latching-trigger being respectively urged away from and toward latching-engagement; the said cocking-member and actuating-arm normally interengaging to restrain said actuating-arm against movement, and to lock said time-movement; said cocking-member being movable to shift said actuating-arm, and to free said latching-trigger for latching-engagement with said actuating-arm, and to also release said time-movement for operation thereof; and said time-movement in its operation acting to return said cocking-member to shift said latching-trigger and release said actuating-arm to operate a signal or the like.

2,258,475
POWER-TRANSMISSION MECHANISM
Harold Sinclair, Kensington, London, England
Original application February 10, 1939, Serial No. 255,617. Divided and this application August 16, 1940, Serial No. 352,841. In Great Britain February 14, 1938
8 Claims. (Cl. 192—48)



1. A synchronizing coupling comprising a first member having a set of jaw-clutch teeth, a second member rotatable relatively to said first member, an intermediate member having a set of jaw-clutch teeth and drivably connected to said second member by cooperation helically disposed torque-transmitting surfaces, said intermediate member

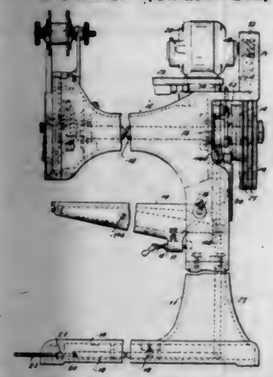
being longitudinally movable relatively to said first and second members so as to interengage and disengage said sets of clutch teeth, a subsidiary ratchet drive capable of coupling said first and intermediate members and effecting engagement of said sets of clutch teeth without clashing on relative displacement of said cooperating helical surfaces in one sense, and control means operable for relatively displacing said first member and said intermediate member, at least in part axially, from a disengaged position, in which said subsidiary ratchet drive is inoperative and the coupling is bi-directionally free, to an engaged position, in which said subsidiary ratchet drive is operative and the coupling is in free-wheeling condition.

2,258,476
PISTON RECAMMER
Dale J. Wherry, St. Louis, Mo.
Application July 3, 1940, Serial No. 343,694
2 Claims. (Cl. 309—12)



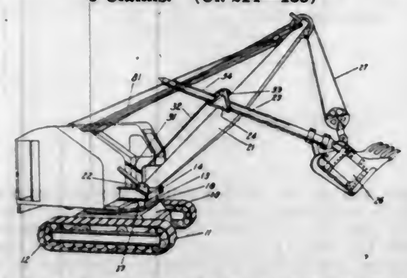
1. The combination with a piston having a substantially circumferentially-continuous skirt carrying an interior projection; of a spring metal readily detachable shell member sprung into place between said projection and the interior of said skirt, said shell having an outward expansion fold intermediate its lateral edges to engage and exert an outward thrust on said skirt therealong.

2,258,477
STITCHER
Joseph T. Wright, Dayton, Ohio, assignor to Harris-Seybold-Potter Company, Cleveland, Ohio, a corporation of Delaware
Application August 8, 1939, Serial No. 288,968
7 Claims. (Cl. 192—144)



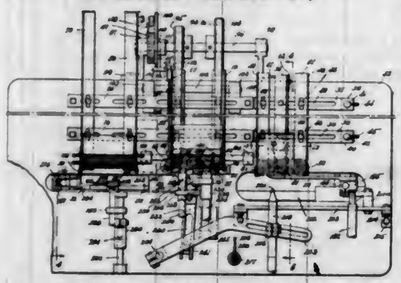
1. In mechanism of the class described, a clutch, a knock-out cam for disengaging said clutch at a predetermined point in its revolution, a plate on which said knock-out cam is mounted, a latch adapted to hold said plate against movement when the knock-out cam is in operative position, and manual control means for moving said latch to inoperative position and retracting said plate, whereby said knock-out cam is temporarily disabled.

2,258,478
EXCAVATING SHOVEL
Walter Baker, David W. Lehti, and Luther H. Crow, Cedar Rapids, Iowa, assignors to Link-Belt Speeder Corporation, Chicago, Ill., a corporation of Illinois
Application March 7, 1940, Serial No. 322,742
5 Claims. (Cl. 214—135)



1. In a drive means for an excavating shovel, a main vertical drive shaft, a swing shaft and a travel shaft, a pair of drive gears on the main vertical drive shaft, a pair of idler gears rotatably mounted on the swing shaft and in mesh with the drive gears, a clutch for selectively engaging one or the other of the drive gears, boom hoist drive gearing in mesh with one of the drive gears whereby when one of the drive gears is engaged by the clutch to the drive shaft, the boom hoist gear in mesh with that gear is rotated at one speed, and whereby, when the other drive gear is in mesh with the drive shaft, the first drive gear is rotated at a different speed through the idler gears on the swing shaft, a travel drive gear engaged with one of the idler gears, and means for selectively engaging or disengaging said travel drive gear with the travel shaft.

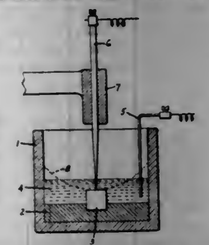
2,258,479
INSERTING MACHINE
Fred W. Barkley, Winthrop, Mass.
Application April 2, 1940, Serial No. 327,429
20 Claims. (Cl. 270—57)



1. An inserting machine having, in combination, a source of supply for folded sheets, a source of supply for inserts, means for withdrawing the first and a portion of the second leaves of a folded sheet from the first-named source of supply, and means for withdrawing an insert from the second-named source of supply and inserting the withdrawn insert within the withdrawn portion of the folded sheet.

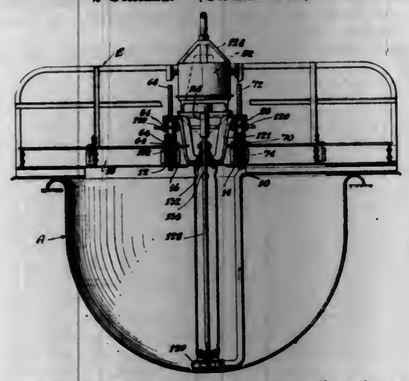
12. In an inserting machine, the combination with a pair of gripping fingers movable forwardly and backwardly in a path, of stationary means for closing the pair upon reaching the end of the path in one direction.

2,258,480
DIAMOND WORKING PROCESS
Alfred Bergmann, Berlin, Walther Dawihl, Kuhlhasenbruck, Post Neubabelsberg, and Otto Fritsch, Berlin-Johannisthal, Germany, assignors to General Electric Company, a corporation of New York
Application November 21, 1938, Serial No. 241,708
In Germany December 17, 1937
2 Claims. (Cl. 125—30)



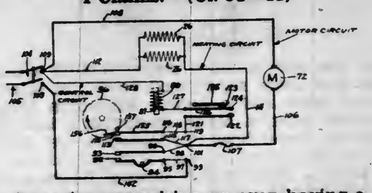
1. The method of forming cavities in diamonds or similar difficultly workable materials which comprises inserting the diamond under the surface of a solution of electrolyte which is liquid at room temperature between a pair of electrodes extending into the electrolyte, one of which electrodes is spaced from the diamond and the other of which is in contact therewith, and passing an electrical current between said electrodes at such a voltage that a spark-like discharge is produced at the point of contact between the diamond and the electrode in contact therewith, which discharge causes the drilling of a cavity in the diamond.

2,258,481
METALLURGICAL APPARATUS
Jesse O. Betterton, Metuchen, and Carl Gall, Woodbridge, N. J., assignors to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
Application June 23, 1939, Serial No. 280,742
2 Claims. (Cl. 221—85)



1. Metallurgical apparatus comprising, in combination, a supporting frame adapted to span a metallurgical container adapted to contain a pool of molten metal, the supporting frame comprising longitudinal and transverse supporting beams, a plate mounted on the beams, the said plate having a relatively large opening therein, a carrying frame mounted on the supporting frame and extending into the said opening, the carrying frame defining a mounting for a driving motor, a driving motor on the said mounting, a driven shaft adapted to extend into the said container, a pump on the said shaft, the said pump being adapted to be submerged in the said pool of molten metal, adjusting screws for vertically moving the said carrier frame, each of the said screws having oppositely running threads with an intermediate unthreaded portion, means on the carrying frame and on the supporting frame for mounting and guiding the screws, the said means being threaded internally to correspond with the threads of the screws, operating instrumentalities for the screws connected thereto at their unthreaded portion and adapted to adjust the screws entirely equally, and means for actuating the said operating instrumentalities to turn the said screws simultaneously and equally for effecting an invariably straight movement of the carrying frame and pump and enabling vertical adjustment of the pump into any one of a multiple of positions relative to the said container.

2,258,482
ROASTER
Frank W. Carpenter, Minneapolis, Minn., assignor to Woolsey Manufacturing Company, Minneapolis, Minn., a corporation of Minnesota
Application December 22, 1938, Serial No. 247,200
4 Claims. (Cl. 34—44)

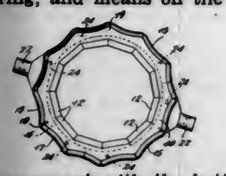


1. A roaster comprising an oven having a door in its upper wall, a door in the lower wall of the oven through which the product may be discharged when roasted, an agitator for agitating the product during the roasting period, driving means for the agitator including a member mounted for rotary movement, a motor having a driving connection with said member, a circuit for the motor including a cutout switch, means for heating the oven associated with the motor circuit, a control circuit including a pair of normally open contacts, a thermostatic device associated with said contacts and responsive to variations in the temperature in the oven, whereby when the oven attains a predetermined temperature, said device will close said contacts and partially complete the control circuit, cutout switch opening means associated with the control circuit and adapted to be operated to open the cutout switch, when the control circuit is completed, and means carried by said rotatable member adapted to complete the control circuit subsequent to the closing of said contacts by the thermostatic device, whereby the cutout switch opening means is rendered operative to open the cutout switch and thereby automatically interrupt the operation of the apparatus.

2,258,483
HOT TOP
Walter M. Charman, Shaker Heights, Ohio
Application November 14, 1940, Serial No. 365,661
4 Claims. (Cl. 22—147)

1. In a hot top a refractory bottom ring formed to fit the lower end of a metal casing, and a multi-piece sheet metal wiper strip the individual pieces of which are adapted to be projected radi-

ally inward into position between the casing and the bottom ring, and means on the wiper strip



pieces for engagement with the bottom ring to limit the inward movement of the wiper strip.

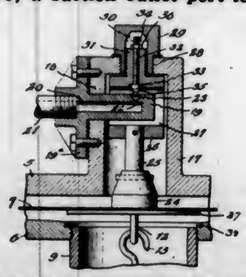
2,258,484
STAND FOR COFFEE MAKERS
Harvey Cory, Chicago, Ill.
Application September 26, 1940, Serial No. 358,516
1 Claim. (Cl. 219—43)



For use with a coffee maker having a pair of upper and lower superposed bowls, an interconnecting neck and a handle extending laterally from the neck, a stand including a base upon which the lower bowl is adapted to rest for free turning movement thereon, a support rising from the base, a lower holder secured to the support and comprising a pair of outwardly bowed horizontally disposed flexible strap members positioned in a plane substantially at the level of the plane of maximum diameter of the lower bowl when the latter is positioned on said base, said strap members being adapted to engage said lower bowl in its region of maximum diameter to prevent shifting of the bowl laterally on the base, and an upper holder secured to the support and likewise comprising a pair of outwardly bowed horizontally disposed flexible strap members positioned in a plane substantially at the level of the plane of maximum diameter of the upper bowl and above said handle when the coffee maker is positioned on said base, said latter strap members being adapted to frictionally engage said upper bowl in its region of maximum diameter to prevent tilting of the assembled coffee maker, the free ends of said latter strap members being spaced apart a distance slightly greater than the width of said neck to permit the coffee maker to be displaced forwardly only when the latter is raised from the base to an elevation which places the interconnecting neck substantially at the level of said upper holder, said support comprising the sole support for said flexible upper strap members whereby the coffee maker may be rotated on said base to positions of angularity wherein the handle is in close proximity to said support directly underlying either of said flexible upper strap members.

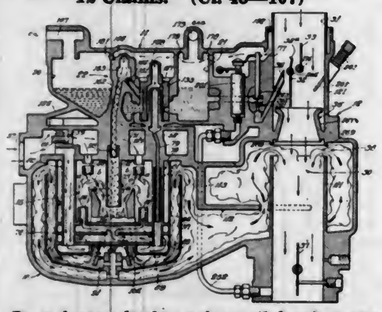
2,258,485
CONTROL VALVE
Roy B. Everson, Chicago, Ill.
Application December 11, 1939, Serial No. 308,533
1 Claim. (Cl. 50—24)

A valve structure embodying relatively flat dished members superposed upon each other to constitute a shallow chamber; a diaphragm extending across said chamber; a hollow dome projecting up from the top member and having free communication with the portion of said chamber above said diaphragm; an upstanding post extending into said dome from said diaphragm; a cylindrical element depending from the lower member and having free communication with said chamber below said diaphragm; an inlet-pipe extending transversely across said dome adapted to admit fluid thereto and to the upper portion of said diaphragm chamber; a valve-port in said pipe; a suction outlet-port leading from



said chamber; a vacuum regulating conduit communicating with said outlet-port, whereby a fluid drawn through said dome and the upper portion of said chamber will tend to move said diaphragm upwardly towards said dome; a weight suspended from said diaphragm and disposed in said cylindrical element, said weight normally urging said diaphragm in a direction away from said dome; a yoke on said post extending about said inlet-pipe, and a needle-valve coacting with said valve-port for controlling the flow of fluid therethrough, said valve bodily supported upon said yoke, whereby to be actuated by said diaphragm.

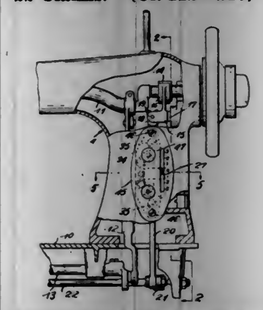
2,258,486
OIL CARBURETOR
David Firth and John E. Storer, Jr., Flint, Mich., assignors, by mesne assignments, to Enoch Rector, New York, N. Y.
Application December 6, 1939, Serial No. 307,724
12 Claims. (Cl. 48—107)



1. In a heavy hydrocarbon oil heat converter assembly of the type forming part of an internal combustion engine fuel conditioning and charge forming device, means defining a burner chamber comprising a cover assembly, a combination hanger and burner enclosing housing, said housing being formed on the upper part thereof with a flange for attachment to said cover assembly and having the lower portion thereof turned radially inwardly to form a supporting flange,

means defining a pre-assembled burner assembly formed complementarily to and arranged to be received in partially embraced and supported relation with respect to said last named flange, said burner assembly comprising an intermediate burner supporting housing of less vertical extent than said hanger member and being formed with a radially inwardly extending base portion of greater extent than said radially inwardly extending supporting flange portion of said hanger, said base portion terminating in a circular upturned flange, a Venturi member having the lower end thereof mounted within said flange, a plurality of vertically spaced baffle plates vested between said housing and said Venturi member, a plurality of burner members mounted in the upper one of said plates, tubular means extending downwardly through said baffle plates adapted to supply air and burner fuel between said base portion and the lowermost one of said baffle plates, said baffle plates being orificed in staggered relation whereby to define a circuitous path for the flow of air and fuel to the burners, said second burner housing fitting within said hanger member and engaging with said flange portion whereby to provide for ready assembly and disassembly.

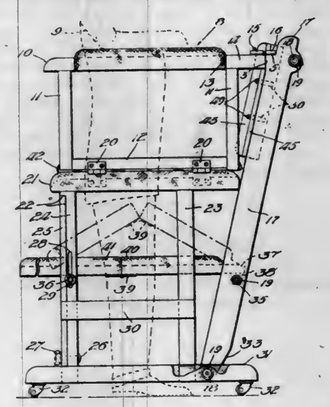
2,258,487
STITCH REGULATING MECHANISM FOR SEWING MACHINES
Louis O. Garwin, Cleveland Heights, and Charles E. Colegrove, Lakewood, Ohio, assignors to White Sewing Machine Corporation, Cleveland, Ohio, a corporation of Delaware
Application September 13, 1939, Serial No. 294,660
22 Claims. (Cl. 112—210)



1. In a sewing machine having a regulatable feed actuating mechanism, a movable control member operatively associated with said mechanism for regulating the same and thus varying the length of stitch produced by the machine, a rockable stop means having a portion located in the path of movement of said member, means operatively associated with and normally rocking said stop means in a direction to engage said portion with said member, and means for locking said stop means against rocking movement to arrest movement of said control member at predetermined points correlated to different stitch lengths.

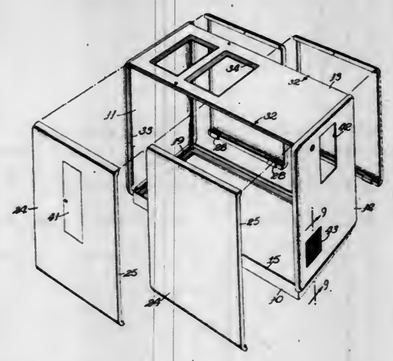
2,258,488
CHAIR
Axel E. Gaverth, Chicago, Ill.
Application January 19, 1940, Serial No. 314,600
5 Claims. (Cl. 155—22)

5. An article of furniture comprising, side frame members rigidly secured in laterally spaced relation, a back frame at the rear edge of said side frames and rigidly secured thereto, a seat frame extending between said side frames and pivoted to said back frame and foldable thereagainst, the said seat frame comprising, two members hingedly secured, one of said seat members articulately secured between the said side frame members, the remaining seat members divided into two portions adapted to be independently placed in operative position, primary arm rests mounted in the side frames and secondary arm rests hinged to said primary arm rests to extend vertically thereabove or to fold down-



wardly alongside said side frames, means releasably securing said secondary arm rests in the vertical position, and adjustable positioning means secured to the front of the said frame members adapted to vary the height of the forward portion of the said seat frame, the said means comprising slotted portions in the front uprights of said side frame members, a rod member secured to the said slotted portions, and lock nut means for securing adjustably the said rod member in fixed position.

2,258,489
BURNER CABINET CONSTRUCTION
Aubrey J. Grindle, Chicago, Ill.
Application September 17, 1938, Serial No. 230,479
10 Claims. (Cl. 312—141)



7. A sheet metal burner cabinet construction

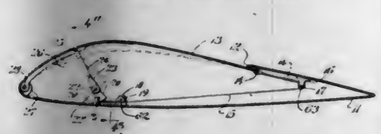
comprising, in combination, a base frame including an upstanding rectangular member, a pair of spaced parallel vertical panels having downwardly facing shoulder flanges along their lower edges engaging said upstanding frame member at opposite ends of the frame, means for securing said downwardly facing shoulder flanges to said upstanding member, upwardly facing shoulder flanges along the top edges of said vertical panels, a top panel supported by and secured to said upwardly facing shoulder flanges and together with said pair of panels and base base frame forming a substantially fixed open framework, depending return-bent upwardly and outwardly opening socket flanges along the free edges of said top panel, and closure panels having means on their lower extremities for removably engaging said base member and having depending flanges along their upper extremities for removably engaging within said socket flanges by a vertical downward movement whereby to enclose the open framework to complete the cabinet.

2,258,490

AIRPLANE WING

Jack Gutridge, Chicago, Ill.

Application July 17, 1939, Serial No. 284,818
5 Claims. (Cl. 244—44)



1. An airplane wing having a top surface composed of sections in overlapping relation along a line span-wise of and in the rear half of said surface, the forward section being flexible and its rear edge being in underlying relation with respect to the rear section, means for varying the camber of said wing comprising arcuately shaped levers arranged along and pivoted to the leading portion of the wing and contacting the inner surface of said flexible forward section, a shaft mounted span-wise of the wing and within the same, two armed levers secured to said shaft, rigid link means pivotally connecting one end of one arm of each lever with the free end of each of said arcuately shaped levers, guide means in the rear portion of the wing, and flexible means connected to the end of each of the other arms of said two armed levers and cooperating with said guide means and the rear edge of said flexible top section whereby oscillation of said shaft will vary the camber of the wing.

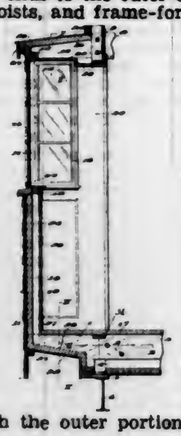
2,258,491

BAY CONSTRUCTION FOR HOUSING

Henry Hasenburger, Newark, N. J., and Harvey Wiley Corbett, New York, N. Y., assignors to Prebilt Housing Corporation, New York, N. Y., a corporation of Ohio

Application October 23, 1939, Serial No. 300,878
3 Claims. (Cl. 20—1)

3. In prefabricated interchangeable building construction, a plurality of horizontally extending relatively spaced floor joists, said joists being positioned so that the outer ends thereof terminate in relative registration, a sub-structure for supporting said joists in their operative positions, a plurality of ceiling or roof joists corresponding in form and position to said floor joists, horizontally disposed joist extensions detachably secured at their inner ends to the outer end portions of both sets of joists, and frame-forming members



connected with the outer portions of said joist extensions.

2,258,492

ELECTRIC CONTACTING ELEMENT

Franz R. Hensel, Kenneth L. Emmert, and James W. Wiggs, Indianapolis, Ind., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware

No Drawing. Application June 5, 1939, Serial No. 277,495
1 Claim. (Cl. 200—166)

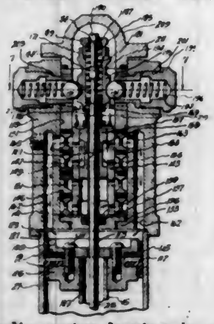
An electric contacting element formed of an alloy consisting of .1 to 10% aluminum, .1 to 25% cadmium and the balance substantially all silver.

2,258,493

HYDRAULIC OPERATOR

Edwin J. Hull, Cleveland, Ohio, assignor to Trabon Engineering Corporation, Cleveland, Ohio, a corporation of Ohio

Application January 25, 1940, Serial No. 315,563
7 Claims. (Cl. 121—164)



5. A hydraulic motor having in combination, a hydraulic cylinder, a hydraulic piston slidable operatively in said hydraulic cylinder, a valve housing mounted on one end of said hydraulic cylinder, an inlet port in said valve housing for receiving a working fluid under pressure for actuating said hydraulic piston, an exhaust port in said housing for discharging working fluid from said hydraulic cylinder, fluid conducting passages extending from opposite ends of said hydraulic cylinder into said valve housing, a valve in said housing movable to either one of two extreme positions, fluid conducting ports and passages so arranged in conjunction with said valve that in one position thereof conductive connection is established from said inlet port and from said exhaust port through said passages to opposite ends of said cylinder for moving the hydraulic piston in a predetermined direction and in the other position of the valve the conductive connections are reversed for moving the piston in the opposite direction, a hollow piston rod extending from said hydraulic piston for transmission of power to a device to be operated, a valve rod extending from said valve into said hollow rod, cooperative engageable means actuated by said hydraulic piston and the hollow piston rod for reciprocating the valve rod when the hydraulic piston approaches either end of its stroke for throwing the valve to either alternate extreme position for reversing as the piston approaches the end of a stroke in either direction, and snap action means associated with said valve actuating means for moving the valve to either extreme position with a quick snappy action just as the piston has substantially completed its stroke.

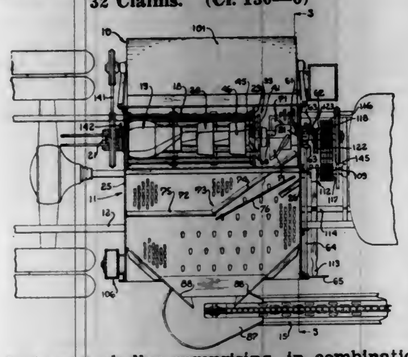
6. A snap action valve operating mechanism comprising, a valve having an aperture extending axially therethrough, a valve rod extending slidably through the aperture in the valve, a spring concentrically disposed on an extending end of said valve rod, retaining members spaced apart on said rod for engaging the opposite ends of said spring for holding the spring compressed, obstruction means on said rod for limiting the axial movement of said retaining members apart from each other, either of said retaining members being movable toward the other for further compressing the spring, a cam spool having an aperture extending axially therethrough, said cam spool being disposed concentrically on said rod over said spring, the ends of the axial aperture in the spool being reduced to engage the retaining members compressing the ends of the spring, means connecting the cam spool operatively with the valve, the outer surface of said cam spool having camming irregularities, and resilient snapover means engaging said camming irregularities for moving the cam spool in either direction with a quick snappy action when it has been moved a predetermined distance in either direction by said rod.

2,258,494

CORN SHELLER

William A. Hyland, Horicon, Wis., and George R. Louthan, Moline, Ill., assignors to Deere & Company, Moline, Ill., a corporation of Illinois

Application September 26, 1938, Serial No. 231,626
32 Claims. (Cl. 130—6)



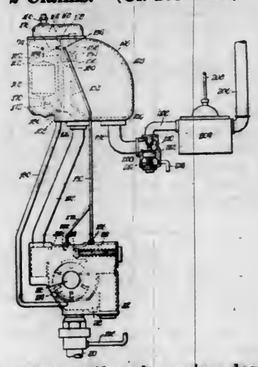
1. A corn sheller comprising, in combination, a sheller head, a shelling cage enclosing said head and having a discharge opening, a cob retarding gate slidably mounted with respect to and rotatable with said head, means biasing said gate toward a closed position with respect to said discharge opening whereby to yieldingly retard the cobs being forced through said opening, and stop means limiting the movement of said gate toward closed position to maintain an opening between said gate and said cage equal to nearly the diameter of a corn cob.

2,258,495

LIQUID DISPENSING APPARATUS

Robert J. Jauch, Fort Wayne, Ind., and Howard Somervell, Evanston, Ill., assignors to The Wayne Pump Company, Fort Wayne, Ind., a corporation of Maryland

Application April 6, 1938, Serial No. 200,292
2 Claims. (Cl. 103—113)



1. In a device of the character described, the combination of a pump, the suction side of which is adapted to be connected to a source of liquid supply, an air separator having an inlet and an outlet, a connection between the inlet of said separator and the outlet of said pump, the outlet for liquid from said separator being adapted to be connected to a meter, said separator having a plurality of chambers, one of said chambers having said inlet and outlet, another of said chambers having a restricted vent to the atmosphere and an overflow outlet, said overflow outlet being connected to the suction side of said pump, said separator having a jet chamber interposed between said first named chambers, a jet connecting said jet chamber and said first named chamber, an ejector tube connecting said jet chamber and said second named chamber, and connecting means between said jet chamber and the inlet and outlet sides of said pump.

2,258,496

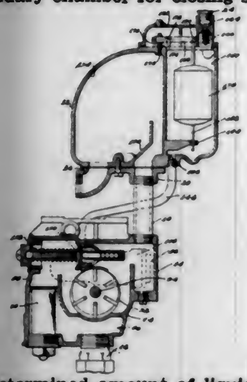
AIR SEPARATOR

Robert J. Jauch and Samuel E. Gilmore, Fort Wayne, Ind., assignors to The Wayne Pump Company, Fort Wayne, Ind., a corporation of Maryland

Application March 24, 1939, Serial No. 264,012
5 Claims. (Cl. 183—2.5)

4. In combination, a pump having a suction side and a pressure side, the inlet being on said suction side and being adapted to be connected to a source of liquid supply, the outlet being on the pressure side, an air separator having a main and secondary chamber, said main chamber having an inlet and an outlet, said last named inlet

being connected to the outlet of said pump, a connection between said main and secondary chambers including a restricted opening, a valve in said secondary chamber for controlling said opening, means responsive to the level of liquid in said secondary chamber for closing said valve



after a predetermined amount of liquid is contained in said secondary chamber, a vent to the atmosphere from said secondary chamber, a predetermined pressure set valve controlling said vent, and means for controlling discharge from said secondary chamber.

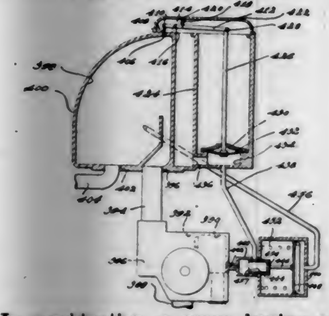
2,258,497

AIR SEPARATOR

Robert J. Jauch, Fort Wayne, Ind., and Howard Somervell, Evanston, Ill., assignors to The Wayne Pump Company, Fort Wayne, Ind., a corporation of Maryland

Application July 15, 1939, Serial No. 284,744

7 Claims. (Cl. 183—2.5)



3. In combination, a pump having a suction side and a pressure side, the inlet being on the suction side and being adapted to be connected to a source of liquid supply, the outlet being on the pressure side, an air separator having a main and secondary chamber, said main chamber having an inlet and an outlet, said last named inlet being connected to the outlet of said pump, a connection between said main and secondary chambers including a restricted opening, a valve in said secondary chamber for controlling said opening, means responsive to the amount of liquid in said secondary chamber for closing said valve after a predetermined amount of liquid is contained in said secondary chamber, a vent to the atmosphere from said secondary chamber, a valve for controlling said vent, a return between said secondary chamber and the suction side of said pump, a valve controlling flow through said return, and means connected to said pump and last named valve and so constructed and arranged that it is movable when the pump is pumping solid liquid to open said last named valve to cause liquid to be returned from said secondary chamber to said suction side of said pump.

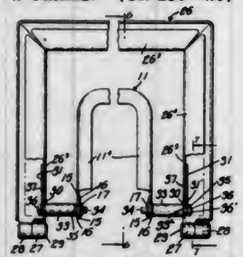
2,258,498

HANDBAG FRAME

George Laubenstein, Madison, N. J., assignor to The J. E. Mergott Company, Newark, N. J., a corporation of Delaware

Application June 15, 1938, Serial No. 213,742

2 Claims. (Cl. 150—29)



1. In combination, a double handbag comprising a hinged outer frame, a hinged inner frame and assembly members for attaching said frames together, at least one of said frames having channeled legs provided with openings in the bottom portions of the channels and spring leaf detent members each mounted by an end thereof to said channeled legs in said bottom portions thereof with their other ends each partially overlapping one of said openings, and said assembly members comprising pin members having reduced portions at opposite ends thereof and a headed portion at the end of one of reduced portions of each of said members, said headed portions being passed through said openings in said one of said frames engaged by said detent members to retain said pin members normally in permanent attachment with said one of said frames, the other reduced portion of each of said pin members being mounted in a hinge of the other of said two frames, said detent members being yieldable for disengagement from the heads of said pin members for replacement purposes, and the said one of said frames having openings for the insertion of a tool for a releasing operation on said detent members.

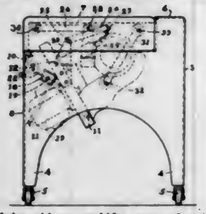
2,258,499

IRONING MACHINE STRUCTURE

John J. McCabe, Cleveland, and Walter G. Brittain, Parma, Ohio, assignors to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application March 16, 1933, Serial No. 661,022

3 Claims. (Cl. 38—59)



1. In combination with an electrically heated

ironer mechanism, a source of electrical current supply therefor, a cabinet having a base member hinged for movement about a horizontal axis for supporting said mechanism in two different positions, one position corresponding to its operative position and the other corresponding to its inoperative position, a cover for inclosing said machine when in its inoperative position, and means comprising a liquid-contact switch pivotally mounted on the front part of said base member having an operating member for manually controlling the current supply of the ironer when said cover is in the position it occupies when said mechanism is in its operative position and for automatically disconnecting the heated part of said mechanism from the source of electrical current supply upon the tilting of said switch when said mechanism is moved to its covered and inoperative position.

2,258,500

TREATMENT OF OXIDIZED HYDROCARBONS TO SEPARATE THE ACIDIC CONTENT

Andreas Mertens, Dusseldorf-Benrath, and Willy Lange and Ludwig Mannes, Dusseldorf, Germany, assignors, by mesne assignments, to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio

No Drawing. Application February 24, 1937, Serial No. 127,564. In Germany March 2, 1936

3 Claims. (Cl. 260—452)

1. The process of separating out the commercially important acidic content of oxidation products of aliphatic hydrocarbons in a substantially purified form comprising subjecting said oxidation products to the action of an alkali whereby neutralization and saponification of the acidic content is effected, separating a portion of the unsaponified matter by adding salt to an aqueous solution of the saponified and neutralized materials, decanting to separate off the solubilized aliphatic acid salts and atomizing the solution in a heated zone and heating at a temperature and until water and other substances present are distilled off and substantially dried salts of aliphatic acids are obtained.

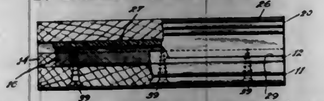
2,258,501

INK PAD

Jacob M. Miller, Chicago, Ill.

Application May 29, 1939, Serial No. 276,293

16 Claims. (Cl. 91—54.5)



1. A device of the character described comprising a base member, a hollowed out portion in said base, a slab fitted within said hollow portion, material impervious to liquids for covering said slab, a second material having a smooth even surface located over said first material, a cover slidable over said base member, means for guiding said cover during movement, and an absorbent material secured in said cover.

2,258,502

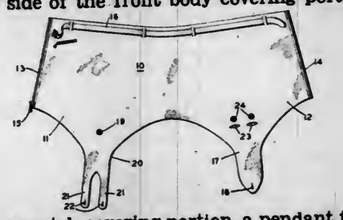
BATHING SUIT

Joseph Perez, Brooklyn, N. Y.

Application December 31, 1940, Serial No. 372,511

1 Claim. (Cl. 2—67)

A bathing suit of the type that may be removed when the wearer is partially dressed in street clothes, comprising the combination of a unitary body encircling strip including a front body covering portion and a rear body covering portion, fastening means to connect the free ends of the body covering portions to form a closure at the side of the wearer, a pendant tab integral with the rear body covering portion, said tab being of sufficient width to cover the crotch of the wearer, means to connect the free end of said tab to the outer side of the front body covering portion to



form a crotch covering portion, a pendant tab integral with the front body covering portion, said tab also being of sufficient width to cover the crotch of the wearer and having bifurcated ends beyond its crotch covering portion, a pair of spaced slits in the rear body covering portion adapted to receive the bifurcated ends of the last recited tab to permit interlacing of the front and rear tabs, and means to fasten said bifurcated ends to the outer side of the rear body covering portion.

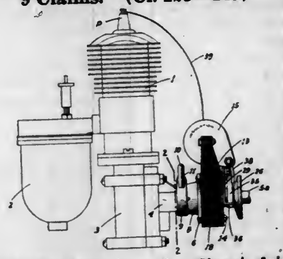
2,258,503

MAGNETO FOR MODEL ENGINES

Emil Vollenweider, Sacramento, Calif.

Application August 7, 1939, Serial No. 288,803

9 Claims. (Cl. 123—149)



1. A magneto structure for direct drive by the crankshaft of an engine, said engine having a crankcase provided with an exterior boss surrounding the crankshaft, and beyond which the latter projects; a supporting member adjacent the outer end of the boss, a sleeve on said member engaging and secured on the boss, a non-rotatable magneto unit mounted on and supported by said member and including opposed field pieces and a magneto rotor fixed on the projecting portion of the crankshaft between the field pieces.

2,258,504

ROTARY FLUID PRESSURE ENGINE AND THE LIKE

Melville Bertram Booth, Allesley, Coventry, England, assignor to The Keelavite Company, Limited, Coventry, Warwickshire, England, a company of Great Britain

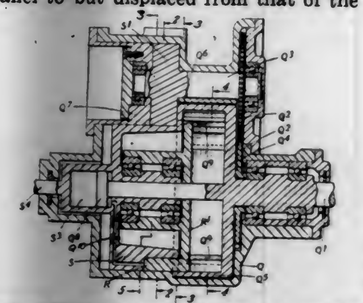
Application May 27, 1938, Serial No. 210,503

In Great Britain June 4, 1937

13 Claims. (Cl. 103—125)

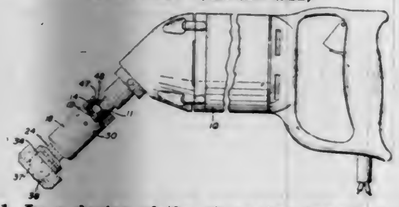
1. In a rotary engine comprising an annular blade chamber one end wall of which is slidable

axially relatively to the other end wall, and one end wall of which is rotatable, a rotor carrying blades which extend through slots in said rotatable end wall so as to be slidable through such slots when relative axial movement between the end walls takes place, the blades making a sealing fit with the two end walls and with the inner and outer circumferential walls of the blade chamber relatively to which circumferential walls the rotor and blades rotate about the axis of the blade chamber, inlet and outlet ports connecting with said blade chamber, at least one rotary abutment arranged to rotate about an axis parallel to but displaced from that of the blade



chamber, the abutment extending across the blade chamber between said inlet and outlet ports and having a circumferential surface which is part-circular in cross-sections at right angles to its axis of rotation, abutment recesses of part-circular cross-section respectively in the circumferential walls of the blade chamber and with which recesses said abutment makes a sealing fit at all times, and at least one blade-receiving recess in the abutment which during rotation of the abutment comes into position to receive a blade and permit it to pass the abutment as the blade, during its rotation with the rotor, comes to the part of the blade chamber across which the abutment extends.

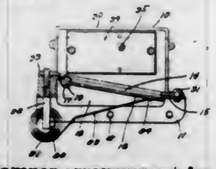
2,258,505
VALVE SEAT GRINDER STONE CARRIER
Leroy F. Densmore, Kenosha, Wis., assignor to Snap-On Tools Corporation, Kenosha, Wis.
Application May 1, 1941, Serial No. 391,285
8 Claims. (Cl. 51—241)



1. In a device of the character described, the combination with an outer driving sleeve body, a tubular pilot receiving sleeve concentrically disposed in said driving sleeve body for rotation therewith, and means in said outer driving sleeve body to circulate air therein for dissipating generated heat responsive to the rotation thereof.

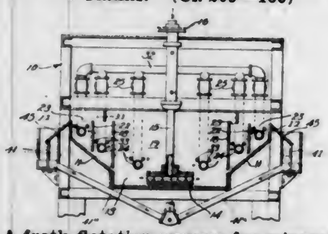
2,258,506
THERMOSTATIC DAMPER MECHANISM
Michael Fisher, Providence, R. I.
Application May 20, 1940, Serial No. 336,103
3 Claims. (Cl. 236—93)

1. In a damper arrangement for a smoke stack, a casing having a base and a cage upstanding therefrom, the top of said cage having an air inlet opening, a thermostat coil having one end secured to the casing and depending therefrom to be positioned in the smoke stack, the other end of the coil being free and contiguous said air inlet opening, and a damper freely pivotally mounted in said cage to extend across said opening and adapted to swing downwardly under the influence of gravity to open said opening, said damper resting on and being slidably engaged by said free end of the coil, said cage having side and end walls, one end wall being of substantially less height than the other end wall and the side walls sloping correspondingly to permit opening downward movement of the damper by gravity when the casing is set in either horizontal or vertical position.



2. In a damper arrangement for a smoke stack, a casing having a base and a cage upstanding therefrom, the top of said cage having an air inlet opening, a thermostatically actuated damper pivotally mounted in said cage overlying said air inlet opening and for controlling passage of air through said opening, a housing on said cage having an upper wall, side and end walls, air inlets in said side walls, and adjustable draft operated auxiliary dampers for said air inlets pivotally mounted in said side walls.

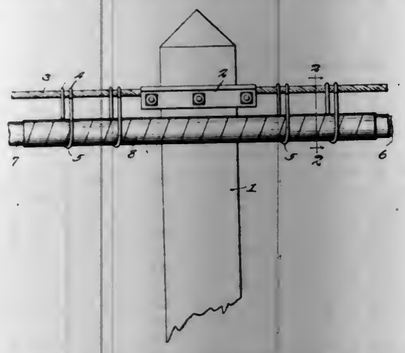
2,258,507
FLOTATION PROCESS
Edward Hammond Hoag, Los Angeles, Calif.
Application August 27, 1940, Serial No. 354,346
4 Claims. (Cl. 209—166)



1. A froth flotation process for minerals which comprises subjecting a pulp of the ore to be separated to agitation and aeration in the presence of a collector for the desired mineral and intermittently passing a unidirectional electric current through the bath below the surface, the intervals of the current flow and intervals between current flow being substantially 1 to 3 seconds duration.

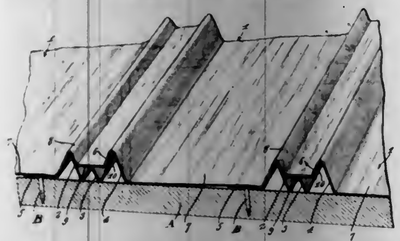
2,258,508
CABLE SHEATH PROTECTOR
C. E. Lewis Kerchner, York, Pa., assignor of sixty per cent to John Rupprecht, York, Pa.
Application December 2, 1938, Serial No. 243,647
1 Claim. (Cl. 174—136)

A cable sheath protector of such length as to receive so much only of a cable as is immediately adjacent to a supporting post, and comprising tempered and hardened, ribbon-like, metallic, inner and outer resilient members, pre-formed into oppositely wound spirals, the convolutions of the members being of the same cross section, the convolutions of each member being normally in edge-to-edge contact, the convolutions of the inner member bridging the spaces between the convolutions of the outer member, when the convolutions of the outer member as spaced from each other, due to a flexure of the protector, out



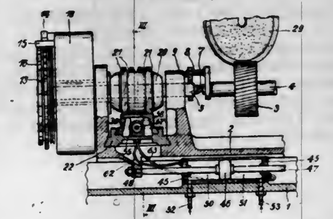
of a straight line, the resiliency of said members being such that their convolutions can be spaced sufficiently to enable them to be interengaged with each other, and with the sheath to be protected, by a rotary, corkscrew operation, the resiliency of said members being such that they will resume the aforesaid edge-to-edge contact, in situ.

2,258,509
SHEET METAL ROOFING
Gabriel J. Key, Ararat, N. C.
Application August 19, 1940, Serial No. 353,285
1 Claim. (Cl. 108—22)



In a joint for metallic roofing sheets, each sheet being formed with inner, intermediate and outer parallel ridges adjacent one edge thereof, the intermediate ridge being of less height than the inner and outer ridges and each of the ridges being of inverted cross sectional substantially V-shape, an outer flat portion extending from the outer ridge to said edge and adapted to receive fastening means, channel hook means formed along the inner ridge and extending downwardly from the apex thereof toward the intermediate ridge for disposal in spaced relation with respect to the inner wall of the inner ridge, a single ridge adjacent the opposite edge of the sheet and being of inverted cross sectional substantially V-shape, said single ridge having a short outer wall, an inner flat portion between the single ridge and said inner ridge, a flat portion formed on the short wall of the single ridge to be elevated above the other flat portions and extending outwardly from the short wall, a flange formed on the elevated flat portion and extending at an inclination outwardly and upwardly therefrom, and the flange of one sheet adapted to be clamped between the hook means and the inner wall of the inner ridge of an adjacent sheet for disposal of the elevated flat portion of the first sheet upon the intermediate ridge and between the inner and outer ridges of the second sheet, as well as the single ridge upon the outer ridge and the inner flat portion of the second sheet upon the outer flat portion of the first sheet.

2,258,510
METHOD AND MACHINE FOR GRINDING TOOTHED SPUR WHEELS
Fritz Laessker, Friedrichshafen-on-the-Bodensee, Germany, assignor to Zahnradfabrik Friedrichshafen Aktiengesellschaft, Friedrichshafen-on-the-Bodensee, Germany
Application August 11, 1939, Serial No. 289,620
In Germany August 22, 1938
15 Claims. (Cl. 51—123)

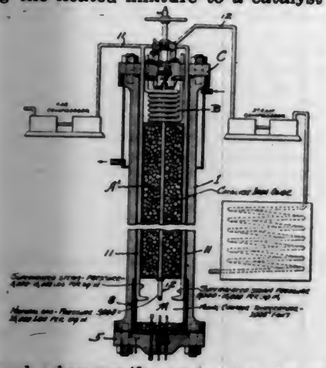


1. Apparatus for grinding straight toothed spur pinions comprising the sub-combination of: a frame; a rotatable grinding disc associated with said frame, said grinding disc being profiled on both sides thereof corresponding to the tooth profile to be generated on the pinion and said disc being so dimensioned and located that at any one time one working surface only thereof contacts with one tooth flank of the pinion, whilst the other working face is spaced from the opposite tooth flank; supporting means for the pinion to be ground; means for moving said pinion supporting means axially of the pinion without rotation during the grinding of one tooth flank, and movable axially of the pinion in the opposite direction without rotation during the grinding of an opposite tooth flank; and means operable between successive working strokes in opposite directions for rotating said pinion so as to bring an opposite tooth flank into engagement with said other working face of said grinding disc.

2,258,511
METHOD OF PRODUCING HYDROGENATED LIQUID HYDROCARBON PRODUCTS
Rene Leprestre, New York, N. Y.; Margaret C. Leprestre, H. Douglas Hadden, Ralph C. Tobin, and Joseph Dannenberg, executors of the estate of said Rene Leprestre, deceased, assignors to Applied Chemicals, Inc., a corporation of Delaware
Application May 13, 1939, Serial No. 273,533
3 Claims. (Cl. 260—449)

1. A process for producing liquid hydrocarbon products which consists in simultaneously injecting natural gas and superheated steam under a pressure in excess of a minimum of 5,000 pounds per square inch into a chamber heated to approximately 1000° F. to 1100° F. and then sub-

jecting the heated mixture to a catalyst of iron



oxide and subsequently conducting the catalyzed product to a condenser.

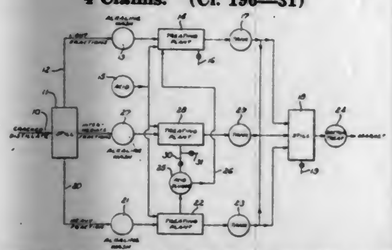
2,258,512

PROCESS OF DESULPHURIZING PETROLEUM OILS

Thomas F. McCormick, Oakland, Calif., assignor to Tide Water Associated Oil Company, San Francisco, Calif., a corporation of Delaware

Original application November 16, 1935, Serial No. 50,206. Divided and this application July 6, 1938, Serial No. 217,657

4 Claims. (Cl. 196—31)



1. The hereinbefore described process of purifying a cracked petroleum hydrocarbon oil which comprises intimately mixing and reacting with the oil a straight run sulphuric acid sludge to form a mixture of partially purified oil and cracked acid sludge, and separating the oil from the cracked acid sludge.

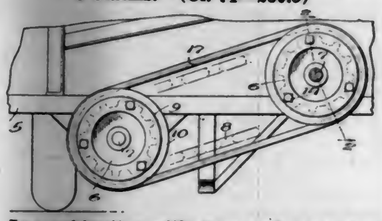
2,258,513

PULLEY RIM DRIVE FOR SPROCKET WHEELS

Stanley A. Martinek, Amarillo, Tex., assignor to J. H. Gruver, Gruver, Tex.

Application September 11, 1940, Serial No. 356,380

6 Claims. (Cl. 74—230.5)



1. In combination with drive and driven sprocket wheels, a rim mounted over the teeth of each wheel and secured to the latter, and an endless belt trained over said rims.

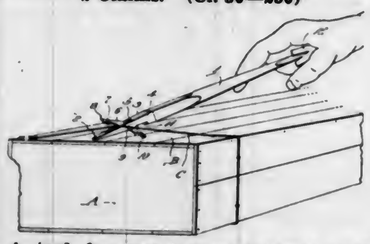
2,258,514

COMBINATION TOOL

Charles M. Molinelli, Rockaway Beach, N. Y.

Application March 4, 1940, Serial No. 322,237

2 Claims. (Cl. 30—250)



2. A tool for severing wire bound packages comprising a relatively long shaft, a handle secured to one end of said shaft, a tapered end portion formed with the opposite end of said shaft capable at times of being inserted between the package and a wire binding the same whereby the wire will rest upon one face of said tapered end portion of said shaft, said tapered end portion of said shaft having a slot formed therein, a lever pivotally connected to said shaft and capable at times of being entirely seated within said slot, a cutting edge formed with one end of said lever and terminating in a point, a handle formed with the opposite end of said lever and adapted to rest upon the package and said cutting edge of the lever caused to sever the wire resting upon one face of said tapered portion of the shank when pressure is applied to the handle secured to one end of said shank.

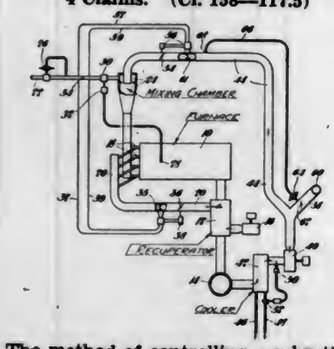
2,258,515

METHOD OF CONTROLLING COMBUSTION CONDITIONS IN GAS FIRED FURNACES

John Fred Mowat, La Grange, Ill.

Application August 18, 1939, Serial No. 290,892

4 Claims. (Cl. 158—117.5)



1. The method of controlling combustion conditions in a gas fired furnace which comprises supplying to the furnace a mixture consisting of gaseous fuel and combustion products withdrawn from the furnace, supplying to said mixture air to support combustion in predetermined ratio to the gaseous fuel supply, and controlling the supply of products of combustion to said mixture in accordance with the rate of gaseous fuel supply, and maintaining at respective substantially constant values the temperature and pressure of the combustion products mixed with the gaseous fuel, whereby said mixture is maintained at a substantially predetermined B. t. u. value at all rates of flow of the gaseous fuel to the furnace.

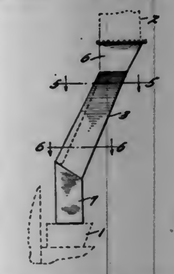
2,258,516

NONSEGREGATING DISTRIBUTOR

Philip B. Richardson, Montclair, N. J., assignor to Richardson Scale Company, Clifton, N. J., a corporation of New Jersey

Application June 24, 1941, Serial No. 399,567

5 Claims. (Cl. 193—2)



1. A distributor for fluent material flared to form a narrow inlet and a wide outlet, and having a bottom wall providing a plane surface, laterally divergent side walls, and a top wall providing a surface which is concave and the center of which is relatively depressed toward the bottom wall on an axis which lies in the plane of the center and medially between the sides of the distributor.

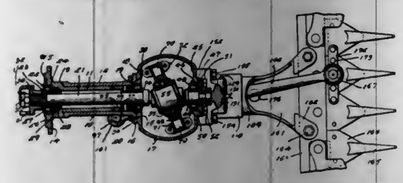
2,258,517

SICKLE MOWER ATTACHMENT

Eustace L. Rose, Charleston, W. Va., assignor to Gravely Motor Plow & Cultivator Co., Dunbar, W. Va.

Application May 2, 1941, Serial No. 391,610

15 Claims. (Cl. 56—296)



1. A mower attachment for a power device comprising a drive shaft, means at one end of said shaft for coupling said shaft to the power device, a lower cutter means, an upper cutter means arranged over said lower cutter means, said lower and upper cutter means being disposed at right angles to the length of said shaft, a pitman connected at one end to said upper cutter means for reciprocating the latter, means connecting the other end of said pitman with said drive shaft, and means operatively connected with said pitman and said lower cutter means and operable by movement of said pitman for reciprocating said lower cutter means reversely from said upper cutter means while simultaneously supporting said pitman.

2,258,518

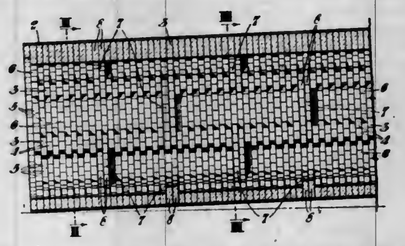
ROTARY KILN LINING

Charles J. Scovron, Donora, Pa., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey

Application January 11, 1940, Serial No. 313,449

1 Claim. (Cl. 263—32)

A cylindrical refractory lining for inclined rotary kilns of the Waelz type including a plurality of ribs extending longitudinally throughout the kiln, said ribs extending inward beyond the lining proper and having projecting radial faces, said ribs being spaced circumferentially of the lining to permit tumbling agitation of a mass of material in the kiln by the lining portions between said ribs, and a plurality of circumferentially disposed ribs extending radially inward beyond the lining proper and transversely of the



lining portions between and at right angles to the longitudinal ribs, the transverse ribs being longitudinally staggered between adjacent longitudinal ribs for severing and advancing the mass in the kiln, said lining and ribs being composed of refractory brick, the brick of the ribs having a greater radial dimension than the bricks of the lining proper, and the rib and lining bricks being laid in regular broken joint pattern throughout the entire lining.

2,258,519

APPARATUS FOR DISTRIBUTING MATERIALS

August Schumacher, Flushing, N. Y.

Application May 31, 1938, Serial No. 210,959

4 Claims. (Cl. 275—2)

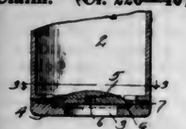


1. A device for distributing fertilizer and like material comprising a frame, a hopper supported thereby and adapted to contain a supply of material to be distributed, a tubular housing carried by said frame and having an opening for receiving material from said hopper, said housing being provided with a plurality of openings spaced along the length thereof and through which the material is distributed, a shaft rotatably mounted in said housing, means for driving said shaft, a screw conveyor secured to said shaft and extending from said first opening substantially throughout said housing for conveying material fed to said first opening along the length of the housing in one direction, a second conveyor having one end only secured to said shaft adjacent said first opening for conveying the material throughout the housing adjacent said plurality of openings in the opposite direction, said second conveyor being formed of a member wound spirally in one direction around but spaced from and free of the screw conveyor and being provided with a relatively short section adjacent said first opening, said section being wound in an opposite direction with respect to the remaining portion of said second conveyor.

2,258,520
ENGRAVING PLATE
Lewis S. Somers, Philadelphia, Pa., assignor to Imperial Type Metal Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application January 9, 1940, Serial No. 313,120
9 Claims. (Cl. 101—401.1)

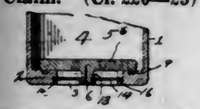
1. A metal engraving plate having a permanent impervious coating of a heat-cured synthetic resin adhered to the back thereof, which coating is capable of withstanding the heat and the action of the etching agent and solvents used in the process, the metal of said plate being capable of withstanding the temperature required in the conversion of the resin into the infusible, insoluble state without excessive and detrimental loss of hardness and other desirable properties.

2,258,521
TANK CLOSURE
Albert T. Thompson, New Orleans, La.
Application October 26, 1937, Serial No. 171,150
1 Claim. (Cl. 220—40)



The combination with a receptacle having a chamber and a filling opening in the bottom thereof, of a closure within the chamber for said opening, said closure having outwardly extending members, interrupted cam flanges carried by the wall and bottom of the chamber and between and under which the outwardly extending members are received for forcing the cover into tight engagement within the chamber and over the filling opening an annular gasket carried by the inner side of the bottom of the receptacle and surrounding the opening therein and with which the outer side of the closure engages.

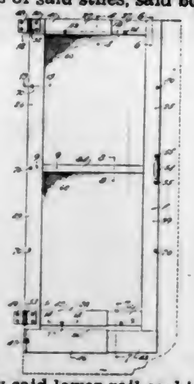
2,258,522
RECEPTACLE CLOSURE
Albert T. Thompson, New Orleans, La.
Application October 26, 1937, Serial No. 171,151
1 Claim. (Cl. 220—25)



The combination with a receptacle bottom, a closure within the receptacle chamber and over a filling opening in said bottom, of means for holding said closure in closed position, said means comprising a headed extension carried by the closure and extending into the opening, a locking bar pivotally mounted on the headed extension, bayonet slots carried in the wall of the filling opening and adapted to receive and hold the closure in closed position, the entrance passage of the bayonet slot being inwardly disposed, said headed member and locking bar being entirely disposed within said opening.

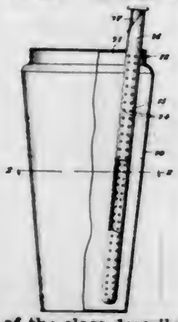
2,258,523
DOOR OR SCREEN
Arthur A. Van Atta, Marion, Ohio
Application November 17, 1939, Serial No. 305,019
12 Claims. (Cl. 156—38)

1. A door frame comprising tubular or formed side stiles, an upper rail fixed to said stiles at the upper ends thereof, a lower rail fixed to said stiles at a point spaced upwardly of the lower ends thereof, a bottom member slidably engaging the lower ends of said stiles, said bottom member



arranged below said lower rail and independently bodily adjustable relative to said stiles and lower rail, and means engaging said stiles and said bottom member securing said bottom member in vertically adjusted position on said stiles.

2,258,524
COCKTAIL SHAKER
Bernard G. Vigurs, Staten Island, N. Y.
Application November 18, 1938, Serial No. 241,271
2 Claims. (Cl. 216—155)

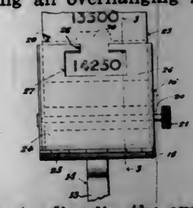


1. A shaker of the class described comprising a container, a removable cap, a pouring spout carried by the cap near the side edge thereof and communicating with the interior of the container, and an elongated strainer carried near one side edge of the cap and removable with the cap and extending into the container for approximately the entire depth thereof and adapted to lie near one side of the container for straining the contents of the container and separating the pulp and other heavy ingredients through the depth of the container from the free-flowing liquid adapted to pass out through the spout, the strainer constituting a continuation of the pouring spout.

2,258,525
SCHEDULED INSTRUCTION DEVICE
Bernard Geoffrey Vigurs, West New Brighton, Staten Island, N. Y.
Application June 9, 1939, Serial No. 278,363
1 Claim. (Cl. 40—82)

A device of the class described comprising a

casing having an outwardly extending lip constituting a reading desk, an indicating means adapted to contain direction information and periodic designations, carried by the casing and movable over the lip, means for supporting said casing in position, said casing having a cover, the cover having an overhanging lip overlying



the outwardly extending lip, the overhanging lip having a view aperture for viewing the information on the indicating means, the overhanging lip also having a notch formed at one side of the aperture and providing an open end exit from the aperture and also providing an interrupted outer edge for the overhanging lip.

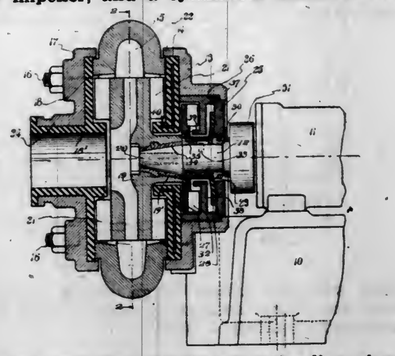
2,258,526
ENGINE COOLING SYSTEM
Gustave Walter, Jersey City, N. J.
Application June 7, 1940, Serial No. 339,369
7 Claims. (Cl. 123—174)



4. In a marine hull having an engine provided with a cooling jacket, a closed engine cooling system adapted for attachment to said hull comprising a cooling pipe coil secured to the exterior of said hull below its water line, an inlet and outlet pipe fitting connected to said exterior cooling pipe coil, an inlet and outlet cap secured to said pipe fitting, an inlet conduit connecting the inlet end of said cap to the engine cooling jacket, a return conduit connecting the outlet end of said cap to said cooling jacket, means to circulate a cooling medium from said engine cooling jacket through the cap, pipe fitting and exterior cooling pipe coil, a by-pass connecting the inlet and outlet ends of said cap to shut off the pipe fitting and cooling pipe coil from the cooling system, thermostatic means to close and open said by-pass, and an expansion tank communicating with said return conduit.

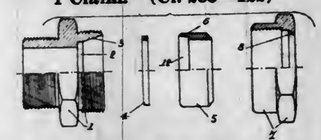
2,258,527
CENTRIFUGAL PUMP
Charles Harold Warman, Kalgoorlie, Western Australia, Australia
Application December 29, 1939, Serial No. 311,680
In Australia January 10, 1939
3 Claims. (Cl. 103—103)

1. A centrifugal pump comprising a casing having a main chamber and an auxiliary chamber therein, a spindle extending through said auxiliary chamber into the main chamber of said casing, an impeller arranged within said main chamber and fixed to one end of said spindle, a boss formed with said impeller, a renewable liner arranged within said casing between the main and auxiliary chambers thereof, an annular projection formed with said liner extending about said boss and having a running clearance therewith, an auxiliary impeller arranged within said auxiliary chamber, vanes formed with said auxiliary impeller, and a cylindrical liner with an



inwardly projecting diaphragm extending about said vanes with a running clearance therebetween.

2,258,528
PIPE UNION
Paul Wurzburger, Paris, France, assignor to Patex Société Anonyme, Basel, Switzerland, a limited company of Switzerland
Application July 10, 1940, Serial No. 344,690
In France March 18, 1940
1 Claim. (Cl. 285—122)

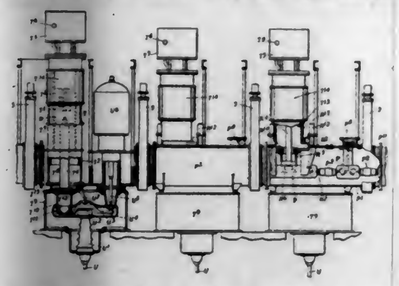


A pipe joint comprising a sleeve having an outwardly flared internal surface and an abutment, a pipe received by said sleeve and having an end in engagement with said abutment, an outer ring of relatively hard metal surrounding said pipe and having a counterbored leading edge deformed by said surface to substantially contact said pipe, an inner ring of relatively soft metal conforming to the surface of said pipe and imprisoned within the counterbore by said deformed edge and said pipe, and coupling means for forcing said edge along said surface to deform said edge to its position of substantial contact with said pipe.

2,258,529
METAL-CLAD ELECTRIC SWITCHGEAR
Archibald Allan, Whitley Bay, and Frank Coates, Cleadon, England, assignors to A. Reyrolle & Company, Limited, Hebburn-on-Tyne, England, a company of Great Britain
Original application November 14, 1938, Serial No. 240,414. Divided and this application August 21, 1939, Serial No. 291,278. In Great Britain November 15, 1937
15 Claims. (Cl. 175—298)

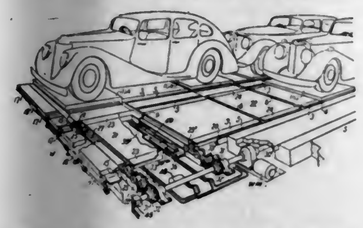
1. In metal-clad electric switchgear, in combination, a plurality of metal chambers arranged end to end in at least one row, a plurality of busbar sections arranged in the said metal chambers respectively, sectionalising switches whereby the busbar sections are normally connected together to form a closed ring, and a plurality of circuit-breakers through which ex-

ternal circuits can be T-connected to the busbar sections themselves between the sectional-



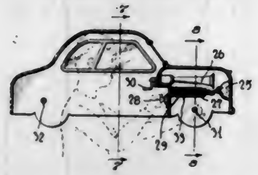
ising switches which, when closed, cooperate with the busbar sections to form in each row a continuously straight busbar.

2,258,530
STORAGE AND LIKE EQUIPMENT
Harold Auger, Burnham, England, and Ward Edgerly Pearson, deceased, late of London, England, by Natalie Pearson Nicholson, executrix, Maidenhead, England
Application September 14, 1939, Serial No. 294,964
In Great Britain September 15, 1938
11 Claims. (Cl. 214—16.1)



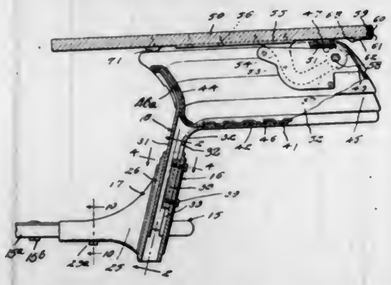
1. Storage equipment including a unit comprising a plurality of movably supported platforms occupying consecutive positions in two coextensive parallel ranks in substantially lateral alignment with an end position of at least one rank being vacant, rank shifting means comprising a rigid reciprocable member extending longitudinally of each rank, platform engaging means on said members selectively movable alternately into and out of engagement with all the platforms in the respective rank, means for periodically reciprocating said members through a distance corresponding to the spacing of said positions, and phasing means for alternately moving said platform engaging means into and out of engagement with the platforms at opposite ends of the reciprocating strokes of said members, apparatus for transferring platforms between adjacent ends of the two ranks and control apparatus for actuating the rank shifting means and transferring apparatus so as to effect movements automatically in a recurring cycle such as to circulate platforms around the unit, said control apparatus including a multi-position control device which initiates a sequence of such cycles in accordance with its positioning, follow-up apparatus actuated upon the completion of a cycle to step the control device forward to the next position to initiate a new cycle and means for arresting movement of the control device in said next position until completion of the corresponding cycle.

2,258,531
AMUSEMENT DEVICE FOR SMALL CHILDREN
Janice L. Baldwin, Warrenton, Va.
Application March 20, 1941, Serial No. 384,404
8 Claims. (Cl. 46—1)



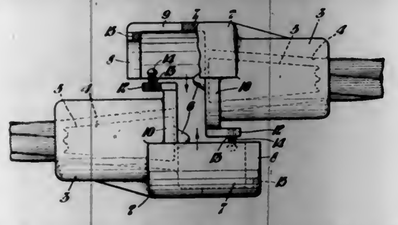
1. A child's amusement device comprising a hollow box-like structure having a roof and side and end walls simulating the outward appearance of a motor vehicle body, said structure having a hollow interior large enough to enclose and contain the child's head and neck with freedom to move therein when the lower edges of the structure are positioned at about shoulder level, the front end wall and the two side walls having openings simulating the side window and windshield panes of the simulated motor vehicle body, and the side walls being so proportioned that their lower edges may be grasped by the child's hands and held at substantially shoulder level to position said openings at about eye level.

2,258,532
DESK SUPPORT
William J. Bargen, Waukegan, Ill.
Original application July 26, 1939, Serial No. 286,699. Divided and this application March 13, 1940, Serial No. 323,799
8 Claims. (Cl. 155—128)



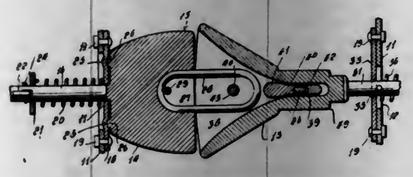
1. In a desk including a seat and a top, means supporting said top relative to the seat comprising an inner and an outer tubular member disposed in telescopic relation, said outer member being stationary, said inner member being lengthwise shiftable relative to the outer member, means for securing the lower end of the outer member to said seat, means for securing the upper end of the inner member to one side of said top, interengageable teeth within said supporting means being arranged on opposed faces of said members for sustaining the inner member in adjusted position, said inner member being slotted, and clamping means including parts arranged in said inner member and slot and parts arranged in said outer member and threadably engaging with the said other parts for clamping other opposed faces of said members together for securing said inner member in adjusted position relative to said outer member.

2,258,533
COUPLING FOR INTERCONNECTING FLEXIBLE MEMBERS
Alan E. Brickman, Rostraver Township, Westmoreland County, Pa.
Application June 24, 1940, Serial No. 342,166
6 Claims. (Cl. 287—103)



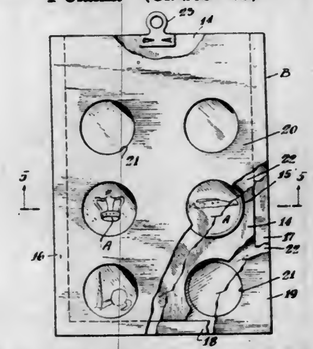
1. A coupling comprising two oppositely disposed substantially identical interengaging members, each of said interengaging members consisting of a body portion, an outwardly extending portion integrally arranged with the body portion on one side thereof having an inwardly extending flange portion disposed on the outer end thereof, a laterally and outwardly extending flange portion integrally arranged with the body portion adjacent the outer end thereof on the side opposite from that of said outwardly extending portion, said inwardly extending flange portion carried by the outer end of the outwardly extending portion of one of said interengaging members adapted to lie directly next to and rearwardly of the oppositely disposed flange carried by the body portion of the other of said interengaging members and cooperating therewith to securely hold them in engagement with each other.

2,258,534
MINING CAR BUMPER COUPLING
Willie L. Brock and Walter F. Jones, Bandy, Va.
Application August 29, 1940, Serial No. 354,756
1 Claim. (Cl. 213—64)



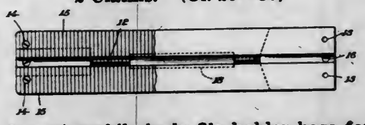
A drawbar mounting comprising a block, a drawbar extending therefrom and adapted to be slidably and swivelly connected to an end of a mining car, spring means for yieldably urging the drawbar and block toward the car, a plate adapted to be attached to said end of the car and through which the drawbar extends and in which it is slidably and swivelly mounted, said plate being provided with horizontally spaced indentations in its outer side, said block being yieldably held by the spring means in engagement with the plate, and said block having projections arranged to seat in the indentations, when the block is in a horizontal position, to releasably retain the block thus positioned, and said spring means permitting the block to yield away from the plate to allow the projections to ride out of the indentations when the block is turned relatively to the plate.

2,258,535
DISPLAY HOLDER FOR COINS AND MEDALS
Felicity A. Buranelli, New York, N. Y.
Application November 5, 1938, Serial No. 238,938
1 Claim. (Cl. 206—78)



A display holder comprising a board that is pierced with holes for the engaging reception of coins or medals, to exhibit both obverse and reverse sides thereof, an open ended edgewise frame having sides and base, into which said board is slidable, and front and back opaque sheets enclosing said frame, to form therewith a pocket, said sheets being apertured to register with the holes in said board, and imperforate transparent sheets secured to and extending over the entire inner surface of both the front and back sheets and in position between said sheets and the board and frame, and said transparent sheets being secured to the frame.

2,258,536
FILE HOLDER
Aldo F. Burnell, Eustis, Fla.
Application September 3, 1940, Serial No. 355,245
2 Claims. (Cl. 29—80)

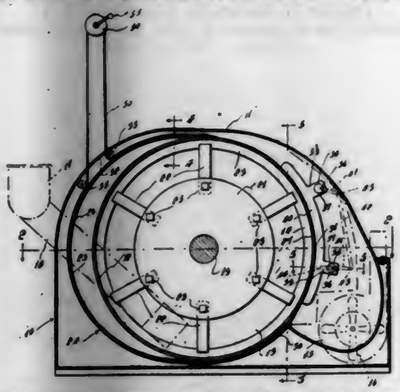


1. An automobile body file holder base for securing two files to a holder, said base being substantially rectangular in plan and being formed of resilient material, said base having a central longitudinal slot terminating short of the ends of the base, said base being provided at each end with a series of openings, one opening of each series being adapted to receive means for securing the base to a holder and the remaining openings of the series being adapted to receive means for securing files at the ends to the base on opposite sides of said slot.

2,258,537
ADJUSTABLE SCREEN FOR HAMMER MILLS
Herbert B. Calkins, Wayland, Mich., assignor of one-half to Lizzie M. Hughes, Wayland, Mich.
Application December 26, 1940, Serial No. 371,745
9 Claims. (Cl. 83—11)

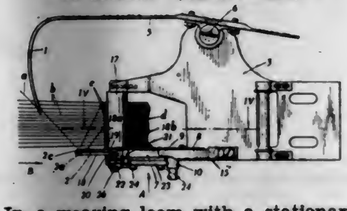
4. A screen attachment for hammer mills comprising a flexible screen cylinder adapted to surround a grinding chamber, said chamber having an outlet opening, said screen cylinder having circumferentially spaced perforated portions of different mesh, and means attached to said

screen cylinder and projecting from the hammer mill for rotating the screen for selectively posi-



tioning the different perforated portions thereof over the outlet opening of the grinding chamber of the mill.

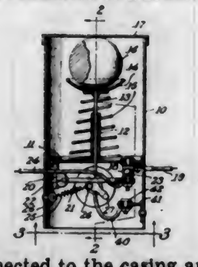
2,258,538
LOOM WITH STATIONARY WEFT SUPPLIES
Charles Clutsom, Ashby-de-la-Zouch, England
Application April 29, 1940, Serial No. 332,357
In Great Britain May 10, 1939
10 Claims. (Cl. 139—124)



1. In a weaving loom with a stationary weft supply, in combination, a weft laying member consisting of a thread guide adapted to operate to carry the weft to and fro through a shed of warps, a bearded knitting needle adapted to operate in conjunction with the weft laying member and to form a knitted selvedge, and a movable presser member which is additional to and operative independently of any action of the weft laying member for pressing and thereby closing the beard of the knitting needle at appropriate times, said presser member being arranged for movement in a plane substantially at right angles to the plane of movement of said weft laying member.

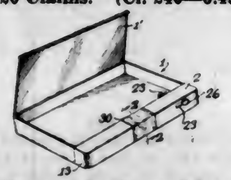
2,258,539
IGNITION CUTOFF DEVICE
Vollie G. Cosner, Omaha, Nebr.
Application November 25, 1940, Serial No. 367,110
3 Claims. (Cl. 200—52)

1. An ignition cut off comprising an upright casing, a horizontal partition within the casing, a tubular guide secured to and extending upwardly from the center of the partition, a rod slidably mounted in the guide having its lower end extending through the partition and provided at its upper end with a dished disk, a ball on the disk, a helical compression spring sleeved on the guide and on the rod between the partition and the disk and holding the ball yieldably against the top of the casing, a spring clip secured to and insulated from the lower side of the partition and adapted to be connected to ignition devices, an arm of insulating material hinged to the casing below the disk and contacting with the lower end of said rod, a contact bolt secured to the free end of the arm adapted to be engaged by said spring clip in circuit closing position and adapted to be connected to a source of electricity,



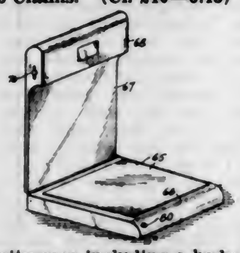
a spring connected to the casing and to the arm adapted to hold the arm in open circuit position when the ball depresses the rod due to a sudden predetermined shock, and crank means carried by the casing manually operable from the exterior of the casing to engage said arm and move the arm to circuit closing position after each operation.

2,258,540
ILLUMINATED VANITY CASE
George M. Cressaty, New York, N. Y.
Application June 14, 1938, Serial No. 213,671
20 Claims. (Cl. 240—6.45)



1. A vanity case having a lid and a body, a lighting unit mounted in the body and including a light source, batteries, and a normally open circuit between the batteries and the light source, an operator movable inwardly with respect to the body to release the lid of the case and laterally to complete the circuit between the batteries and light source.

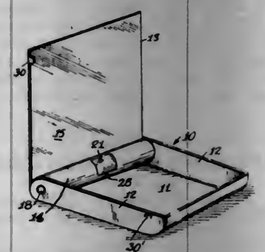
2,258,541
ILLUMINATED VANITY CASE
George M. Cressaty, New York, N. Y.
Application June 14, 1938, Serial No. 213,672
13 Claims. (Cl. 240—6.45)



1. In a vanity case including a body, a cover, a mirror in the cover, batteries, a light source, the light source being movable with and in constant

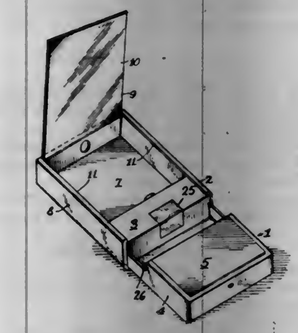
fixed relation to the mirror, circuit closing means movable to either of two positions for closing the circuit from the batteries to the light source, and means for automatically breaking the circuit in the closing movement of the cover when the circuit closing means is in one of said two positions.

2,258,542
ILLUMINATED VANITY CASE
George M. Cressaty, New York, N. Y.
Application June 14, 1938, Serial No. 213,673
14 Claims. (Cl. 240—6.45)



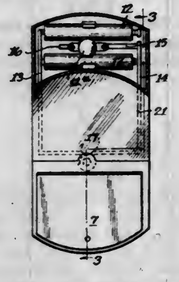
3. A vanity case including a body, a cover hinged to the body, a mirror carried by and movable with the cover, a light source in the cover, energizing means for the light source including a circuit arranged wholly in the cover, a switch for controlling the energizing means, said switch being carried solely by the cover, and means carried by the body and responsive to a predetermined movement of the cover to close the switch, said means being formed to avoid switch-closing function in the opening movement of the cover other than said predetermined movement.

2,258,543
ILLUMINATED VANITY CASE
George M. Cressaty, New York, N. Y.
Application June 14, 1938, Serial No. 213,674
14 Claims. (Cl. 240—6.45)



1. A vanity case including a cover section, a body section mounted for sliding movement with respect to the cover section, a lighting unit carried with the body section, a cosmetic receptacle carried by the body section in spaced relation with the lighting unit, the space in the body section between the lighting unit and cosmetic receptacle being formed as an open retainer for desired articles.

2,258,544
ILLUMINATED VANITY CASE
George M. Cressaty, New York, N. Y.
Application June 14, 1938, Serial No. 213,675
15 Claims. (Cl. 240—6.45)



1. A vanity case comprising two sections, a lighting unit, a pivot connection between the sections to provide for their having relative swinging movement in substantially parallel plane and annular means about said pivot containing a portion of an electrical switch which is controlled in the movement of one section to energize the lighting unit when it has reached a predetermined position with respect to the other section.

2,258,545
PROCESS OF PURIFYING ELECTROLYTIC CELL LIQUOR
Richard Lloyd Davies, Philadelphia, Pa., assignor to Pennsylvania Salt Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application May 15, 1937, Serial No. 142,929
4 Claims. (Cl. 23—184)

3. The process of purifying electrolytic cell alkali metal hydroxide liquor having a concentration of at least about 30% alkali metal hydroxide, to remove substantially the alkali metal chlorate therefrom which comprises reacting ferrous hydroxide, furnished to said liquor by the addition of a ferrous compound thereto, with alkali metal chlorate contained in said liquor to convert said alkali metal chlorate to alkali metal chloride, the amount of ferrous hydroxide furnished the said liquor being from about 75% to 85% of that theoretically required by the equation:

$$9Fe(OH)_2+NaClO_3=3Fe_3O_4+NaCl+9H_2O$$

2,258,546
RESINOUS CEMENT CAPABLE OF HARDENING RAPIDLY IN THE COLD AND PROCESS OF PREPARING IT
Karl Dietz, Cronberg, Taunus, Heinrich Greune, Frankfort-on-the-Main-Hochst, and Franz Privinsky, Hofheim, Taunus, Germany, assignors, by mesne assignments, to Pen-Chlor, Incorporated, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application November 17, 1938, Serial No. 241,016. In Germany November 24, 1937
8 Claims. (Cl. 260—38)

1. A process of preparing an acid-proof and alkali-proof cement capable of hardening rapidly in the cold which comprises mixing para-toluenesulphochloride with inert filling material and mixing the cement powder thus prepared with a liquid consisting of phenol-formaldehyde resin

which has only been condensed to such a degree that it is still in the liquid state, and glycolchlorhydrin.

2,258,547

CLEANER FOR TYPEWRITER TYPE AND THE LIKE

Nugent Dodds, Washington, D. C.

Application October 17, 1939, Serial No. 299,905
5 Claims. (Cl. 15—210)



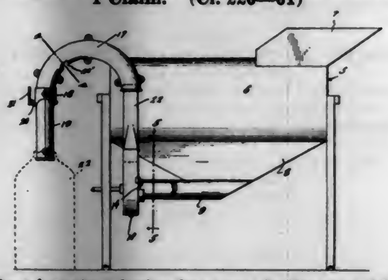
4. A typewriter type cleaner including a flexible cup the bowl of which is continuously flaring, a plastic cleansing mass mounted in the cup and protruding beyond the wall of the cup bowl, said mass being compressible while mounted in the cup bowl, for kneading the used surface of the mass into the interior of the latter.

2,258,548

COMBINED ELEVATOR AND BAGGING DEVICE FOR CORN SHELLING MACHINES

John Doutrich, Lancaster, Pa., assignor to Dellinger Manufacturing Company, Lancaster, Pa.

Application April 6, 1940, Serial No. 328,381
1 Claim. (Cl. 226—61)



In a bagging device for corn shelling machines, a goose-neck shaped conduit having a relatively fixed position with the ends thereof directed downwardly and both located in a horizontal plane and having one end connected to a corn shelling machine discharge whereby corn under pressure may be driven through said conduit following the upper curved wall of the conduit, a substantially U-shaped conduit including an inlet fitting intermediate the ends thereof and connected to the other end of the first-named conduit whereby the ends of the second-named conduit act as spaced discharge nozzles to enter bags, valve means for directing corn to one or the other of said nozzles, said first-mentioned conduit having an opening in the lower curved wall to permit corn to exhaust therefrom should the escape of corn from both nozzles be stopped by the bag of one nozzle becoming full and the operator failing to actuate said valve for the directing of the corn to the other nozzle and the bag associated therewith.

2,258,549

ANIMAL TRAP

Augustus W. Drake, Pasadena, Calif.

Application August 1, 1940, Serial No. 349,185
11 Claims. (Cl. 43—83)

1. An animal trap comprising a frame casing having a base which also constitutes a stationary jaw and an upright portion with a pair of spaced side walls, each side wall having a bearing slot therein at the lower part thereof, a pin provided in the upper part of the side walls, a freely suspended trigger arm and bait holder mounted on the pin and provided with a side wall having a



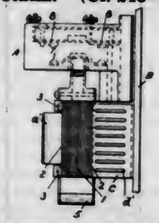
lip thereon, a movable jaw rotatably mounted in the bearing slots and adapted to cooperate with the lip in the set position of the trap and with the stationary jaw in the sprung position, and a spring connected at one end to the frame casing and at the other end to the movable jaw to constantly urge the jaws together relative to each other.

2,258,550

RESILIENT MOUNTING FOR VIBRATORY BODIES

Joseph F. Frese, Baltimore, Md., assignor to Monitor Controller Company, Baltimore, Md., a corporation of Maryland

Application July 6, 1940, Serial No. 344,289
1 Claim. (Cl. 248—358)



Means for securing a body to a supporting member comprising two brackets resiliently connecting said body to said member so as to be supported thereby and insulated and spaced therefrom, each bracket comprising two parallel upright plates, one secured to the body and the other secured to said member, each plate having a series of transverse slots, and a strip of rubber clamped between said plates and having ribs on its opposite sides projecting into the slots in the plates.

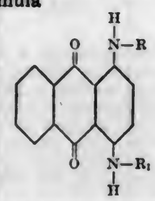
2,258,551

PROCESS FOR THE MANUFACTURE OF 1-AMINO-4-(4'-HYDROXY)-PHENYLAMINO ANTHRAQUINONES

Paul Grossmann, Binningen, Switzerland, assignor to the firm Society of Chemical Industry in Basle, Basel, Switzerland

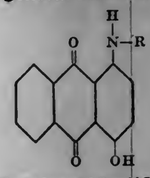
No Drawing. Application November 24, 1939, Serial No. 306,033. In Switzerland November 29, 1938
4 Claims. (Cl. 260—380)

1. Process for the manufacture of 1-amino-4-(4'-hydroxy)-phenylamino anthraquinones of the general formula



wherein R stands for a member of the group

consisting of hydrogen atoms, alkyl- and cycloalkyl-, and aralkyl- and aryl radicals of the benzene series, and R_1 means an aromatic nucleus of the benzene series substituted by an OH-group in the 4-position, comprising causing 1-amino-4-hydroxybenzenes to react in presence of a condensing agent selected from the group consisting of boric acid and boric acid anhydride, and of a diluent selected from the group consisting of cyclic alcohols, cyclic tertiary bases and phenols, at temperatures between 80 and 200° C., with products of the general formula



wherein R has the above identified meaning.

2,258,552

COLD ROLLING SOLUTION

Elmer F. Harris, Birmingham, Ala.

No Drawing. Application March 6, 1939, Serial No. 260,150
6 Claims. (Cl. 252—11)

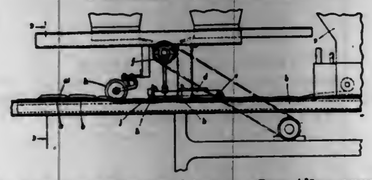
1. A lubricant for material being subjected to rolling comprising an emulsion of palm oil, triethanolamine, tall oil and water.

2,258,553

METHOD AND MACHINE FOR MAKING ROOFING TILES

Alfred Claude Hartley, Farnborough, England

Application October 19, 1940, Serial No. 361,961
In Great Britain July 12, 1939
6 Claims. (Cl. 25—43)



2. A machine for making roofing tiles comprising a supporting frame, an endless conveyor mounted upon said frame, pallets mounted upon said conveyor, means for supplying plastic material to each pallet, a press, a cutting member carried by said press, an impression plate carried by said press, means for transmitting motion to said press whereby the plastic material upon each pallet as it passes below the same will be simultaneously cut into a tile and impressions formed thereupon from said impression plate and means for trimming the edges of the so formed tile.

2,258,554

SURGICAL EMERGENCY SIGNAL

Frederick W. Heyer and Fred H. Piatt, Nanticoke, Pa.

Application October 25, 1939, Serial No. 301,253
3 Claims. (Cl. 200—52)

1. A switch of the type described, comprising: a tubular housing of insulative material having a fluid inlet opening and an open end; an insulative support at the opposite end of the housing; first and second switch members arranged longitudinally of the housing inside the latter and each having one end secured to said insulative support, with the opposite ends of the switch members located adjacent said open end; an anchor element fixedly related to said housing; a normally non-conductive tube insertable through said open end inserted over said anchor element and said first switch member for effect-



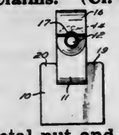
ing electrical isolation of the first and second switch members; said first switch member being resilient and held under flexure by said tube to frictionally retain the latter in position, and said second switch member being flexible and bearing against the tube; said opening being located closely adjacent said tube for admission of moisture to the tube for conditioning the tube to effect conduction between the switch contact members.

2,258,555

SHEET METAL NUT

Harold W. Kost, Detroit, Mich., assignor, by mesne assignments, to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan

Application February 5, 1937, Serial No. 124,317
3 Claims. (Cl. 85—36)



1. A sheet metal nut and nut securing means, comprising a strip of metal consisting of a body and a part having a self-locking thread projecting laterally of said body, and two tongue-like portions disposed at the sides of said part and also projecting laterally of said body, said body and tongues being disposed in the same plane, and said part being offset from said plane into a parallel plane to space said part above said body and tongues sufficiently to receive a portion of the structure to which the nut is to be secured.

2,258,556

PROTECTING GOODS FROM VERMIN

Erik Schirm, Dessau, Anhalt, Germany

No Drawing. Application March 2, 1936, Serial No. 66,731. In Germany March 2, 1935
9 Claims. (Cl. 167—31)

4. A moth-proofing agent comprising a benzine soluble aromatic hydroxy compound substituted by at least one organic radical, all of such organic radicals being aliphatic in structure and at least one of which contains at least 4 carbon atoms, the aliphatic and hydroxy radicals being joined to the aromatic nucleus.

2,258,557

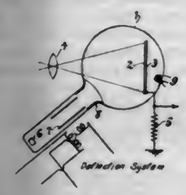
TELEVISION TRANSMITTING SYSTEM

William Spencer Percival, Ealing, London, Cecil Oswald Browne, West Acton, London, Leonard Reginald Joffre Johnson, Chiswick, London, and Frank Blythen, Hayes, England, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain

Application January 18, 1938, Serial No. 185,480
In Great Britain January 20, 1937
12 Claims. (Cl. 178—7.2)

1. The method of operating a light sensitive

tube wherein is provided a photosensitive mosaic electrode and a further photoelectric surface, which includes the steps of continuously photo-



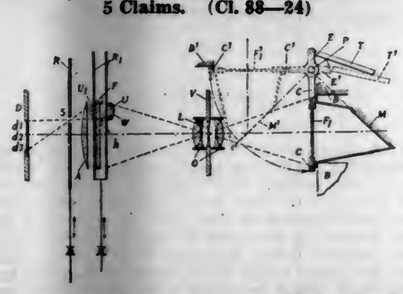
electrically releasing electrons of substantially constant number and velocity from said surface, and flooding the photosensitive mosaic electrode with the released electrons.

2,258,558

APPARATUS FOR OBTAINING PHOTOGRAPHS IN COLOR BY PROJECTION COPYING

Anne Henri Jacques de Lassus Saint Genies, Versailles, France

Application March 10, 1939, Serial No. 261,066
In France March 18, 1938
5 Claims. (Cl. 88—24)



1. Apparatus for projection copying an original film bearing a plurality of separation records onto a copy film provided with a plurality of sensitised layers having different photographic properties, comprising a support for the original film, an optical copying system, a support for the copy film, a reflecting device, said support for the copy film and said reflecting device being pivoted about an axis perpendicular to the optical axis of the optical copying system, and means for swinging said support for the copy film from a plane perpendicular to the optical axis of the optical copying system through a predetermined angle and for bringing the reflecting device into a position such that its plane of reflection intersects said optical axis and bisects the angle through which the support for the copy film is swung.

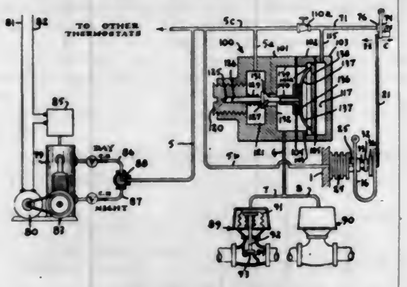
2,258,559

PNEUMATIC CONTROL INSTRUMENT

Paul F. Shivers, Wabash, Ind., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application December 31, 1937, Serial No. 182,787
10 Claims. (Cl. 236—47)

10. In a pneumatic control system, in combination, a source of fluid under pressure, means for selectively changing the pressure of said source between predetermined higher and lower values, a control device adapted to be moved to a first limiting position at a predetermined relatively low pressure of fluid applied thereto and to a second limiting position at a relatively higher pressure substantially equal to the lower pressure available from said source of pressure, valve means for controlling the pressure transmitted from said source to said control device, a first diaphragm means responsive to the pressure in said control device for controlling said valve means, a second diaphragm means, condition responsive means for varying the pressure applied to said second diaphragm means between a minimum pressure and the pressure at said



source, means for transmitting the force applied to said second diaphragm means to said first diaphragm means, means for limiting the force transmitted from said second diaphragm means to said first diaphragm means to a predetermined value whereby the pressure admitted to said control device is limited substantially to the lower pressure available from said source, adjusting means for varying the standard of the condition maintained by said condition responsive means, and a pressure motor responsive to the pressure of said source for actuating said adjusting means.

2,258,560

ADVERTISING PILLAR

Erich Trunzer, Munich, Germany

Application August 8, 1939, Serial No. 289,066
In Germany November 23, 1937
1 Claim. (Cl. 40—125)



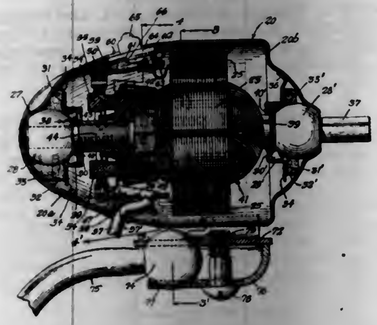
An advertisement pillar comprising a base, a plurality of cylindrical posts, the inner walls of each post having a longitudinally extending slot formed therein, the lower ends of said posts being mounted upon said base and extending vertically therefrom, a crescently shaped plate arranged between each pair of posts, the opposed marginal edges of said plates extending within the slots formed within said posts for connecting the plates thereto, a top connected to said posts and extending over said plates and partitions arranged between said posts and plates.

2,258,561

ELECTRIC MOTOR

Joseph Youhouse, Fairfield, Conn., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut

Application July 18, 1940, Serial No. 346,095
14 Claims. (Cl. 172—36)



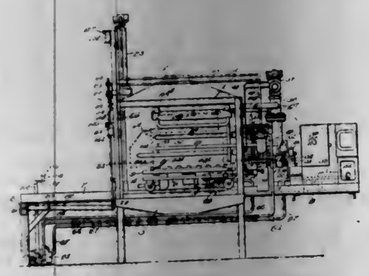
1. In an electric motor comprising an armature and a shaft therefor, a field structure comprising an even-numbered plurality of pole pieces disposed at equally spaced intervals around the periphery of said armature; a transverse slot on one side of each pole piece, the slots of alternate pole pieces facing respectively toward opposite ends of said armature shaft; and a single field coil surrounding said armature, successive segments of said coil being disposed in the slots of the successive pole pieces.

2,258,562

AUTOMATIC MOTOR BLOCK CLEANER

Fred C. Arey, Oak Park, Ill., and De Los E. Hibner, Jr., Du Bois, Pa., assignors to Vulcan Soot Blower Corporation, a corporation of Pennsylvania

Application January 7, 1938, Serial No. 183,760
11 Claims. (Cl. 141—1)



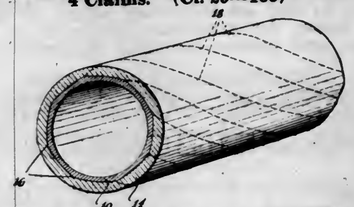
1. In combination, a housing having a door opening, a door for said opening, a work-supporting carriage movable into said housing through said opening, an actuator for said door, apparatus for cleaning work on said carriage, means controlled by said carriage to energize said actuator and cause the door to close after the carriage has entered the housing, and means controlled by the door to cause the cleaning apparatus to operate upon the closing of the door.

2,258,563

PROCESS FOR MAKING STAINLESS CLAD PIERCED TUBES

Percy A. E. Armstrong, Westport, Conn., and Tecumseh Sherman Fitch, Washington, Pa.; said Fitch assignor to said Armstrong

Application March 11, 1940, Serial No. 323,258
4 Claims. (Cl. 29—188)



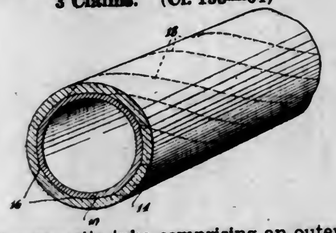
1. The method of forming composite tubes which comprises preparing a bar of a high melting point corrosion resistant metal the cross section of which forms an angled figure, enclosing such bar in a covering of corrodible steel under conditions which will permit the bar and covering to weld together, hot working the bar and covering to effect such welding, rolling and shaping the resulting billet to form a billet having a circular cross section in which the angles of the corrosion resistant bar can still be detected as irregularities of sufficient magnitude to key together the metal of the core and the covering metal and thereby prevent relative movement between them under torsional strains, and thereafter converting such billet into a tube by a rolling and piercing operation.

2,258,564

STAINLESS CLAD PIERCED TUBES

Percy A. E. Armstrong, Westport, Conn., and Tecumseh Sherman Fitch, Washington, Pa.; said Fitch assignor to said Armstrong

Original application March 11, 1940, Serial No. 323,258. Divided and this application April 15, 1941, Serial No. 388,634
3 Claims. (Cl. 138—64)



1. A composite tube comprising an outer cover of corrodible steel and an inner lining of corrosion-resistant metal firmly welded to such cover by hot mechanical working, such inner lining having projections which run spirally along the tube and which extend a sufficient distance into the outer cover to key together the inner lining and the cover and thereby prevent relative rotation of the two parts.

2,258,565

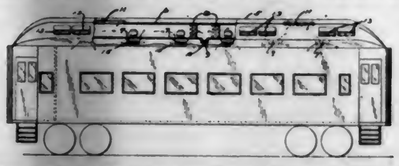
AIR CONDITIONING SYSTEM UTILIZING REFRIGERATON

Carl O. Bergstrom, Boston, Mass., assignor to B. F. Sturtevant Company, Boston, Mass.

Application July 13, 1939, Serial No. 284,262
2 Claims. (Cl. 62—6)

2. An air cooling system for a railway passen-

ger car, comprising a longitudinal duct overhead the passenger space, a plurality of longitudinally spaced fans extending through the lower wall of said duct into said passenger space, means for admitting outdoor air into said duct, means for admitting recirculated air from the passenger space into said duct, an air cooler in said duct in the path of the recirculated air admitted by said last mentioned means, refrigeration means for supplying refrigerant to said cooler, and means including thermostatically



controlled means responsive to temperature changes in the air in said space for adjusting said first mentioned means towards closed position, for adjusting said second mentioned means towards open position and for energizing said refrigeration means to supply refrigerant to said cooler or for alternatively adjusting said first mentioned means towards open position, said second mentioned means towards closed position and deenergizing said refrigeration means to decrease the volume of refrigerant supplied to said cooler.

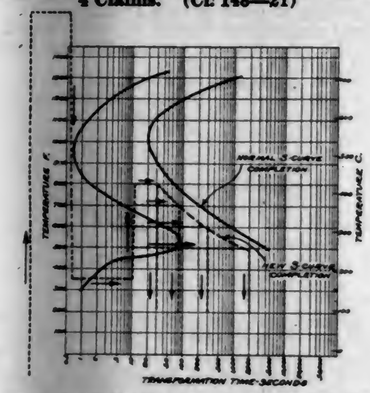
2,258,566

HARDENABLE STEEL HEAT TREATMENT

Harold J. Elmendorf, Worcester, Mass., and Harold A. Brown, Hampton Falls, N. H., assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey

Application July 30, 1940, Serial No. 348,554

4 Claims. (Cl. 148—21)



1. The hardenable steel heat treatment including heating the steel to transform its structure to austenite, cooling the steel to an austenite transforming temperature and holding it thereat for a time period sufficient to start transformation of said austenite but insufficient to cause transformation of more than minor amounts of said austenite, and changing the temperature of the steel to a different austenite transforming temperature that is within the range causing direct austenite transformation to a structure other than coarse pearlite or martensite and holding the steel thereat until substantially all of the remainder of said austenite transforms, said cooling and said changing being done sufficiently rapidly to retain at least major amounts of said austenite for direct transformation during the second named holding.

2,258,567

METHOD FOR CONSERVING FLAVORING MATERIALS

Chester H. Epstein, Highland Park, and Nathan R. Gotthoffer, Grayslake, Ill., assignors to Grayslake Gelatin Co., Grayslake, Ill., a corporation

No Drawing. Application September 12, 1938, Serial No. 229,524

3 Claims. (Cl. 99—140)

1. The method of permanently conserving a flavoring material without altering its original character which consists in adding the flavoring material to an aqueous pure food gelatin solution, then thoroughly mixing the flavor with the gelatin solution, the concentration of the gelatin being not less than 16% of the total liquid ingredients, including flavoring material, then congealing the mixture by cooling, and finally drying the congealed product and grinding the dried material.

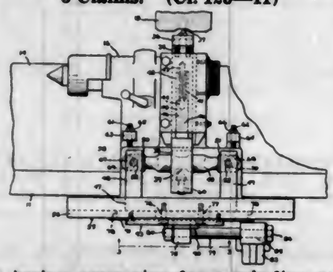
2,258,568

GRINDING WHEEL TRUING APPARATUS

Carl G. Flygare, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application January 22, 1940, Serial No. 314,968

3 Claims. (Cl. 125—11)



1. A truing apparatus for a grinding machine having a transversely movable slide, a follower on said slide, a truing tool on said slide, means to traverse said slide and truing tool longitudinally, a forming bar having a surface of revolution, a slide to support said bar, a frame having a slideway for supporting said slide, a swivel adjustment for said frame whereby the axis of the forming bar may be adjusted relative to the longitudinal traversing movement of the truing tool.

2,258,569

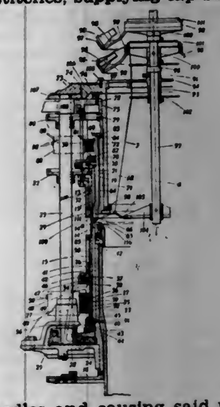
METHOD OF AND MACHINE FOR PRODUCING KNITTED FABRICS

Henry Harold Holmes and John Cyril Herbert Hurd, Leicester, England, assignors to Wildt and Company Limited, Leicester, England, a British company

Original application December 14, 1939, Serial No. 309,282. Divided and this application May 28, 1940, Serial No. 337,726. In Great Britain December 20, 1938

8 Claims. (Cl. 66—135)

1. A method of making patterned knitted fabric on a knitting machine of the type adapted to produce purl stitches in knitted fabric, which consists of supplying a main yarn to the needles of the machine, causing desired needles to produce purl stitches, supplying lap striping yarn to



desired needles and causing said needles to knit the last mentioned yarn.

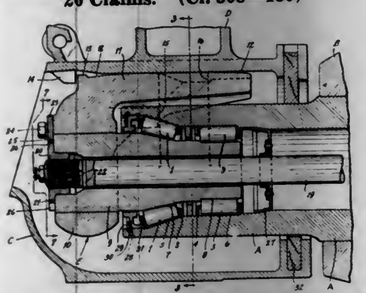
2,258,570

RAILWAY CAR AXLE BEARING

Oscar J. Horger, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio

Application March 3, 1941, Serial No. 381,472

20 Claims. (Cl. 308—180)



1. A railway car axle bearing comprising a journal box, an axle extending thereinto, a bearing in the end of said axle and a bracket disposed in said journal box and having a spindle portion supported in said bearing and a plate portion supporting said journal box.

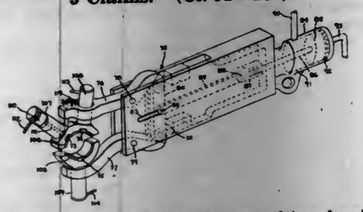
2,258,571

CRANKSHAFT LAPPING MACHINE

Herbert S. Indge, Westboro, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application January 12, 1940, Serial No. 313,590

3 Claims. (Cl. 51—161)



1. In a crankshaft lapping machine having a movable crankpin lapping arm, a pair of opposed crankpin engaging shoes, means to move said shoes into and out of engagement with a crankpin to be lapped, said shoes being arranged to take up the thrust of said lapping arm, a plurality of lapping elements movably supported by said shoes, and means to apply a uniform predetermined pressure to all of said lapping elements.

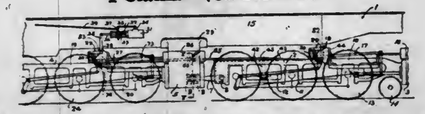
2,258,572

ARTICULATED LOCOMOTIVE

Otto Jabelmann, Omaha, Nebr., assignor to American Locomotive Company, New York, N. Y., a corporation of New York

Application July 12, 1940, Serial No. 345,028

1 Claim. (Cl. 105—48)



In a power reverse gear mechanism for an articulated steam locomotive of the two power truck type, two valve gear control parallel transverse rotatable reverse shafts, one for each truck; bearings for the ends of said shafts; an arm secured on each said shaft; a crosshead; a guide therefor; a rod-supporting swingable arm; bearings therefor, said crosshead and said supporting arm being between said shaft arms and spaced therefrom and from each other; and a tri-sectional rod pivotally secured at its ends to said shaft arms, an outer section and the adjacent end of the intermediate section of said rod being pivotally secured to said crosshead, and the other outer section and the other end of said intermediate section being pivotally secured to said supporting arm, said shaft arms, crosshead, supporting arm and rod sections being disposed substantially in a vertical plane at right angles to said shafts and between said shaft bearings.

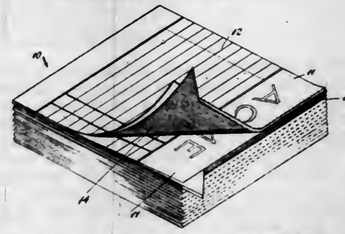
2,258,573

MANIFOLDING PACK

Arthur A. Johnson, Bridgeport, Conn., assignor to Autographic Register Company, Hoboken, N. J., a company of New Jersey

Application January 12, 1929, Serial No. 332,063

45 Claims. (Cl. 282—12)



1. Two sets of continuous manifolding strips interleaved, said strips each having transversely extending weakening lines along which the strips in interleaved condition may be severed into sheet lengths, the weakening lines of one set of strips being offset longitudinally with relation to the weakening lines of the other set so as to produce sheets having finger-grips at one edge extending beyond the plane of the adjacent edges of the sheets of the other set, and at the other edge grip-escaping portions under the adjacent

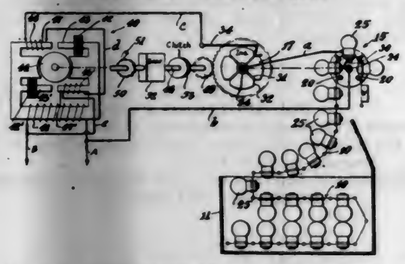
edges of the last-mentioned set of sheets when the pile is severed along said weakening lines, whereby said sets of sheets may be independently grasped to facilitate separation of one set of sheets from the other.

2,258,574
WALL CONSTRUCTION
Marshall L. Leary, Columbus, Ga.
Application January 6, 1939, Serial No. 249,545
5 Claims. (Cl. 72—118)



2. A clip for supporting plasterboards which comprises a piece of sheet metal cut and bent to form flanges like-extending from a web portion, a hole in one of said flanges adjacent said web and a hole in the other flange adjacent said web and in general alignment with said first hole to position a nail passing through said holes transversely of the planes of said flanges, the hole in one of said flanges being substantially larger than the other to provide clearance with respect to the shank of said nail.

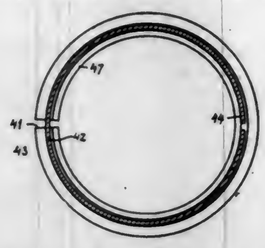
2,258,575
LAMP CHANGING APPARATUS
John R. MacKay, West Caldwell, N. J., assignor to Wallace & Tiernan Products, Inc., Belleville, N. J., a corporation of New Jersey
Application February 15, 1938, Serial No. 190,565
12 Claims. (Cl. 177—329)



1. In a lamp changing apparatus, a plurality of lamps, and means including an alternating current motor for moving said lamps successively into current-consuming position, said motor having a coil in series with the positioned lamp for preventing the motor from operating when normal current is flowing through the positioned lamp by substantially neutralizing a rotation-producing component of the magnetic field of the motor.

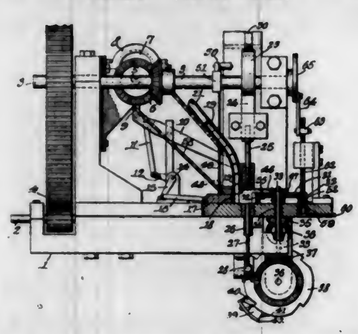
2,258,576
CIRCUMFERENTIALLY TIGHTENING PACKING RING
Tage Madsen, Goteborg, Sweden
Application January 18, 1938, Serial No. 185,614
In Sweden November 27, 1937
5 Claims. (Cl. 309—29)

1. In a packing ring comprising two split rings axially superimposed, one upon the other, one of said rings being provided with an annular flange and the other ring having an annular groove of greater width than said flange in which said flange engages, one vertical side of said



groove for a distance from the ends of the grooved component ring radially abutting that side of the flange which is nearest to the packing face of the packing ring.

2,258,577
MACHINE FOR MAKING SMALL ARM AMMUNITION
Thomas Jones Matthews, Oklahoma City, Okla.
Application August 29, 1939, Serial No. 292,540
7 Claims. (Cl. 29—1.22)



1. In a bullet-forming machine, canneluring mechanism comprising a frame, an arcuate track mounted on the frame and provided on its inner surface with a canneluring rib, and a carrier journaled on the frame and rotatable in close relation to the rib, the carrier comprising means for holding a slug for rotation about a defined axis, whilst the carrier rotates to move the slug longitudinally of the rib.

2,258,578
ACID INHIBITOR AND NONCORROSION ACID LIQUOR
Kenneth G. Chesley, Crossett, Ark., assignor to Crossett Chemical Company, Crossett, Ark., a corporation of Delaware
No Drawing. Application June 3, 1940, Serial No. 338,626
21 Claim. (Cl. 252—148)

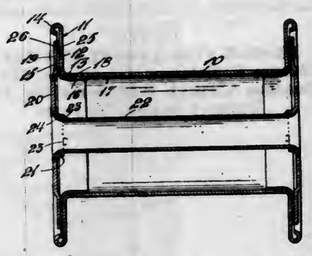
21. A pickling or cleaning bath for metals which comprises hydrochloric acid having therein a small amount of a corrosion inhibitor which is a reaction product of a liquid fraction of crude acetic acid from pyroligneous acid containing the organic impurities, said impurities being compounds other than the acetic acid, with organic amines.

2,258,579
ELECTROFORMING METHOD OF MAKING MOLDS
Andrew C. Dunn, Chicago, Ill.
Application November 20, 1936, Serial No. 111,869
4 Claims. (Cl. 204—6)

1. The method of making molds comprising placing a plurality of molds on a plate, pouring plastic material over said molds to bind them together, removing the plate, electroplating the surface of said molds and said material to form a single electroplate, reinforcing said electroplate with plaster, and removing the plastic material.

2,258,580
SPOOL OR REEL
Robert V. Olson, Attleboro, Mass., assignor to Mossberg Pressed Steel Corporation, a corporation of Massachusetts
Application February 17, 1938, Serial No. 190,894
12 Claims. (Cl. 242—123)

1. In a reel or spool of sheet material, a barrel, a head at the end thereof forming a joint therewith and having a central opening therein of approximately the size of the barrel, an end plate abutting the outer surface of said head and having a flange extending into the opening of said head and barrel to extend across the joint between said head and barrel, a second plate en-



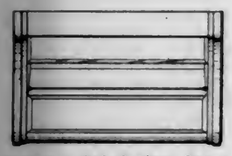
gaging the outer surface of the first said plate and spanning said opening, and welding means for securing the parts in such position, said first plate being of a diameter not less than that of the diameter of said second plate.

DESIGNS

OCTOBER 7, 1941

129,796
DESIGN FOR A DISPLAY CASE
Charles F. Belshaw, Greenville, Mich.
Application April 21, 1941, Serial No. 100,538
Term of patent 3½ years





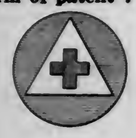
The ornamental design for a display case, as shown.

129,797
DESIGN FOR AN APPLIQUÉ EMBLEM OR SIMILAR ARTICLE
Walter P. Burn, Washington, D. C., assignor to the United States of America
Application September 8, 1941, Serial No. 103,226
Term of patent 7 years



The ornamental design for an appliqué emblem or similar article, as shown and described.

129,798
DESIGN FOR AN APPLIQUÉ EMBLEM OR SIMILAR ARTICLE
Walter P. Burn, Washington, D. C., assignor to the United States of America
Application September 8, 1941, Serial No. 103,227
Term of patent 7 years



The ornamental design for an appliqué emblem or similar article, as shown and described.

129,799
DESIGN FOR AN APPLIQUÉ EMBLEM OR SIMILAR ARTICLE
Walter P. Burn, Washington, D. C., assignor to the United States of America
Application September 8, 1941, Serial No. 103,228
Term of patent 7 years



The ornamental design for an appliqué emblem or similar article, as shown and described.

129,800
DESIGN FOR AN APPLIQUÉ EMBLEM OR SIMILAR ARTICLE
Walter P. Burn, Washington, D. C., assignor to the United States of America
Application September 8, 1941, Serial No. 103,229
Term of patent 7 years



The ornamental design for an appliqué emblem or similar article, as shown and described.

129,801
DESIGN FOR AN APPLIQUÉ EMBLEM OR SIMILAR ARTICLE
Walter P. Burn, Washington, D. C., assignor to the United States of America
Application September 8, 1941, Serial No. 103,230
Term of patent 7 years



The ornamental design for an appliqué emblem or similar article, as shown and described.

129,802
DESIGN FOR AN APPLIQUÉ EMBLEM OR SIMILAR ARTICLE
Walter P. Burn, Washington, D. C., assignor to the United States of America
Application September 8, 1941, Serial No. 103,231
Term of patent 7 years



The ornamental design for an appliqué emblem or similar article, as shown and described.

129,803
DESIGN FOR AN APPLIQUÉ EMBLEM OR SIMILAR ARTICLE
Walter P. Burn, Washington, D. C., assignor to the United States of America
Application September 8, 1941, Serial No. 103,232
Term of patent 7 years



The ornamental design for an appliqué emblem or similar article, as shown and described.

129,804
DESIGN FOR AN APPLIQUÉ EMBLEM OR SIMILAR ARTICLE
Walter P. Burn, Washington, D. C., assignor to the United States of America
Application September 8, 1941, Serial No. 103,233
Term of patent 7 years



The ornamental design for an appliqué emblem or similar article, as shown and described.

129,805
DESIGN FOR AN APPLIQUÉ EMBLEM OR SIMILAR ARTICLE
Walter P. Burn, Washington, D. C., assignor to the United States of America
Application September 8, 1941, Serial No. 103,234
Term of patent 7 years



The ornamental design for an appliqué emblem or similar article, as shown and described.

129,806
DESIGN FOR AN APPLIQUÉ EMBLEM OR SIMILAR ARTICLE
Walter P. Burn, Washington, D. C., assignor to the United States of America
Application September 8, 1941, Serial No. 103,235
Term of patent 7 years



The ornamental design for an appliqué emblem or similar article, as shown and described.

129,807
DESIGN FOR AN APPLIQUÉ EMBLEM OR SIMILAR ARTICLE
Walter P. Burn, Washington, D. C., assignor to the United States of America
Application September 8, 1941, Serial No. 103,236
Term of patent 7 years



The ornamental design for an appliqué emblem or similar article, as shown and described

129,808
DESIGN FOR AN APPLIQUÉ EMBLEM OR SIMILAR ARTICLE
Walter P. Burn, Washington, D. C., assignor to the United States of America
Application September 8, 1941, Serial No. 103,237
Term of patent 7 years



The ornamental design for an appliqué emblem or similar article, as shown and described.

129,809
DESIGN FOR AN APPLIQUÉ EMBLEM OR SIMILAR ARTICLE
Walter P. Burn, Washington, D. C., assignor to the United States of America
Application September 8, 1941, Serial No. 103,238
Term of patent 7 years



The ornamental design for an appliqué emblem or similar article, as shown and described.

129,810
DESIGN FOR AN APPLIQUÉ EMBLEM OR SIMILAR ARTICLE
Walter P. Burn, Washington, D. C., assignor to the United States of America
Application September 8, 1941, Serial No. 103,239
Term of patent 7 years



The ornamental design for an appliqué emblem or similar article, as shown and described.

129,811
DESIGN FOR AN APPLIQUÉ EMBLEM OR SIMILAR ARTICLE
Walter P. Burn, Washington, D. C., assignor to the United States of America
Application September 8, 1941, Serial No. 103,240
Term of patent 7 years



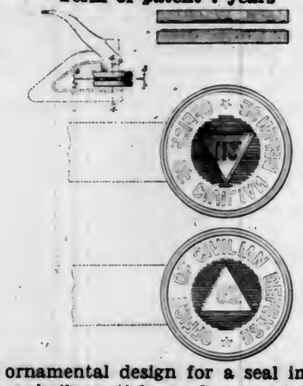
The ornamental design for an appliqué emblem or similar article, as shown and described.

129,812
DESIGN FOR AN APPLIQUÉ EMBLEM OR SIMILAR ARTICLE
Walter P. Burn, Washington, D. C., assignor to the United States of America
Application September 8, 1941, Serial No. 103,241
Term of patent 7 years



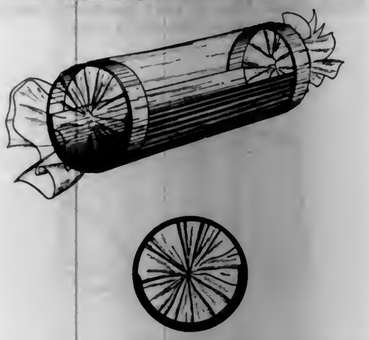
The ornamental design for an appliqué emblem or similar article, as shown and described.

129,813
DESIGN FOR A SEAL IMPRESSING DEVICE OR SIMILAR ARTICLE
Walter P. Burn, Washington, D. C., assignor to the United States of America
Application September 8, 1941, Serial No. 103,242
Term of patent 7 years



The ornamental design for a seal impressing device or similar article, as shown and described.

129,814
DESIGN FOR A FLORAL CONTAINER
John B. Clow, Denver, Colo.
Application April 5, 1940, Serial No. 91,485
Term of patent 14 years



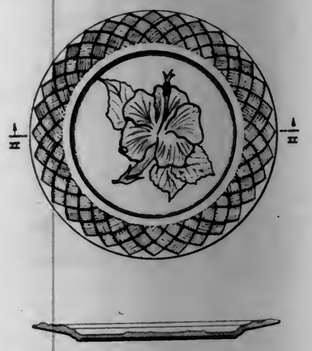
The ornamental design for a floral container, as shown.

129,815
DESIGN FOR A PIN OR SIMILAR ARTICLE
David Cooper, Brooklyn, N. Y.
Application July 28, 1941, Serial No. 102,517
Term of patent 3½ years



The ornamental design for a pin or similar article, as shown.

129,816
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Isobel Darrow, Los Angeles, Calif., assignor to Pacific Clay Products, Los Angeles, Calif., a corporation of California
Application May 26, 1941, Serial No. 101,144
Term of patent 14 years



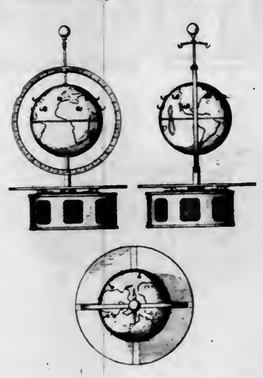
The ornamental design for a plate or similar article, substantially as shown and described.

129,817
DESIGN FOR A CHAIR
Halbert Creston Doner, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio
Application February 19, 1941, Serial No. 99,096
Term of patent 7 years



The ornamental design for a chair, substantially as shown.

129,818
DESIGN FOR A COMBINED WATCH TESTING AND DISPLAY DEVICE OR THE LIKE
Daniel Forbes Ebbert, Wheeling, W. Va.
Application August 2, 1941, Serial No. 102,649
Term of patent 14 years



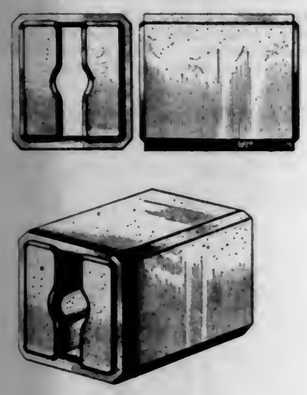
The ornamental design for a combined watch testing and display device or the like, substantially as shown.

129,819
DESIGN FOR A DISPLAY CARD
Franz F. Ehrenhaft and Berthold Freund, New York, N. Y.
Application December 16, 1940, Serial No. 97,344
Term of patent 3½ years



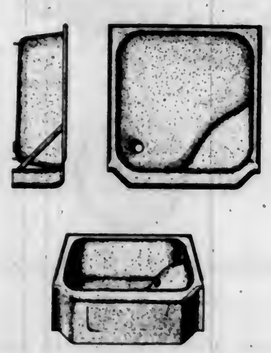
The ornamental design for a display card, as shown and described.

129,820
DESIGN FOR A SALT BLOCK
Milton J. Gearing, St. Clair, Mich.
Application July 30, 1941, Serial No. 102,574
Term of patent 14 years



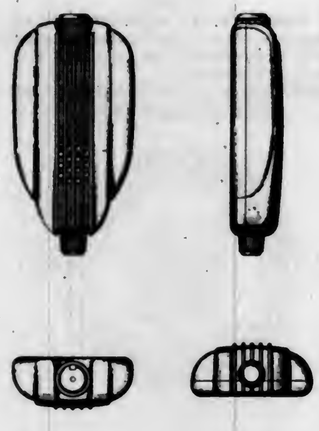
The ornamental design for a salt block, as shown.

129,821
DESIGN FOR A BATHTUB
Walter J. Kohler, deceased, late of Kohler, Wis., by Herbert V. Kohler, John M. Kohler, and Walter J. Kohler, Jr., executors, Kohler, Wis.
Application June 4, 1941, Serial No. 101,304
Term of patent 14 years



The ornamental design for a bath tub, as shown.

129,822
DESIGN FOR A HEARING AID APPARATUS CASE
William D. Penn, Dallas, Tex.
Application May 20, 1941, Serial No. 101,034
Term of patent 3½ years



The ornamental design for a hearing aid apparatus case, as shown and described.

129,823
DESIGN FOR A PAPER DRINKING CUP
Oscar G. Reiber, Coatesville, Pa., assignor to Beach & Arthur Paper Co., Indianapolis, Ind., a corporation of Indiana
Application February 17, 1941, Serial No. 99,036
Term of patent 7 years



The ornamental design for a paper drinking cup, as shown.

129,824
DESIGN FOR A FINGER RING
Abraham Sager, Chicago, Ill.
Application June 7, 1940, Serial No. 92,875
Term of patent 14 years



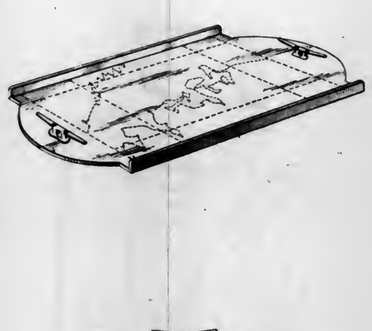
The ornamental design for a finger ring, as shown and described.

129,825
DESIGN FOR A BOOKCASE
Irene Simon, Pittsburgh, Pa.
Application July 31, 1941, Serial No. 102,609
Term of patent 7 years



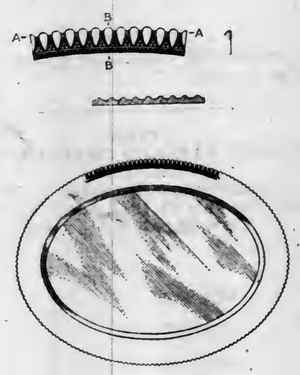
The ornamental design for a bookcase, as shown.

129,826
DESIGN FOR A SERVING TRAY
Melville E. Stone, New York, N. Y.
Application November 25, 1940, Serial No. 96,789
Term of patent 3½ years



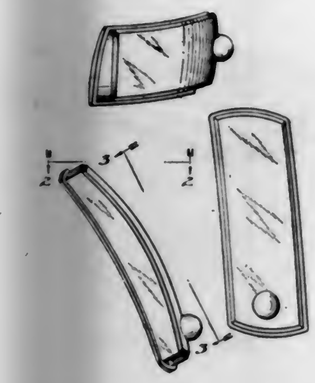
The ornamental design for a serving tray, as shown and described.

129,827
DESIGN FOR A PLATTER OR OTHER ARTICLE OF HOLLOW WARE
Jean G. Theobald, Meriden, Conn., assignor to International Silver Company, Meriden, Conn., a corporation of New Jersey
Application August 12, 1941, Serial No. 102,799
Term of patent 14 years



The ornamental design for a platter or other article of hollow ware, substantially as shown and described.

129,828
DESIGN FOR A LAMP LENS
Robert Cadwallader, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application December 19, 1940, Serial No. 97,438
Term of patent 7 years



The ornamental design for a lamp lens, substantially as shown.

129,829
DESIGN FOR A CLIP OR SIMILAR ARTICLE
David Cooper, Brooklyn, N. Y.
Application July 28, 1941, Serial No. 102,518
Term of patent 3½ years



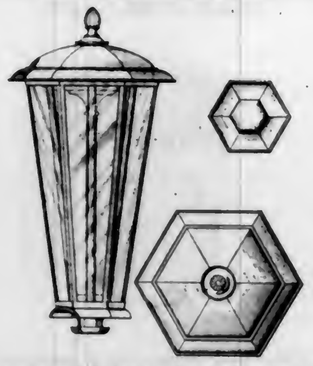
The ornamental design for a clip or similar article, as shown.

129,830
DESIGN FOR A LINKED CHAIN OR SIMILAR ARTICLE
David Cooper, Brooklyn, N. Y.
Application July 28, 1941, Serial No. 102,519
Term of patent 3½ years



The ornamental design for a linked chain or similar article, as shown.

129,831
DESIGN FOR A FLUORESCENT TUBE-ILLUMINATED STREET LAMP
Charles S. Davidson, Los Angeles, Calif.
Application May 23, 1941, Serial No. 101,105
Term of patent 3½ years



The ornamental design for a fluorescent tube-illuminated street lamp, as shown.

129,832
DESIGN FOR A JEWELRY FINDING OR SIMILAR ARTICLE
Ralph Kay, New York, N. Y.
Application August 26, 1941, Serial No. 103,027
Term of patent 3½ years



The ornamental design for a jewelry finding or similar article, substantially as shown.

129,833
DESIGN FOR A JEWELRY FINDING OR SIMILAR ARTICLE
Ralph Kay, New York, N. Y.
Application August 26, 1941, Serial No. 103,029
Term of patent 3½ years



The ornamental design for a jewelry finding or similar article, substantially as shown.

129,834
DESIGN FOR A JEWELRY FINDING OR SIMILAR ARTICLE
Ralph Kay, New York, N. Y.
Application August 26, 1941, Serial No. 103,030
Term of patent 3½ years



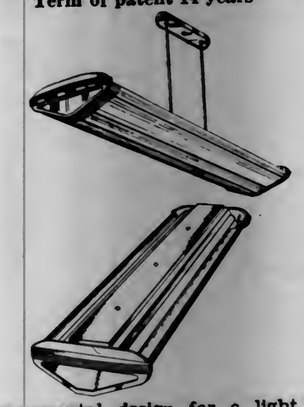
The ornamental design for a jewelry finding or similar article, substantially as shown.

129,835
DESIGN FOR A JEWELRY FINDING OR SIMILAR ARTICLE
Ralph Kay, New York, N. Y.
Application August 26, 1941, Serial No. 103,031
Term of patent 3½ years



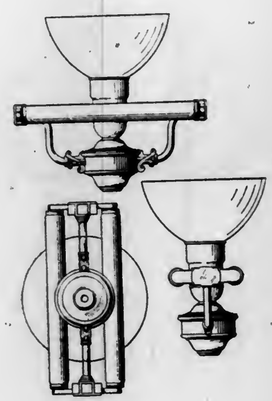
The ornamental design for a jewelry finding or similar article, substantially as shown.

129,836
DESIGN FOR A LIGHT FIXTURE
Ervin C. Koegel, St. Louis, Mo., assignor to Edwin F. Guth Company, St. Louis, Mo., a corporation of Missouri
Application December 21, 1940, Serial No. 97,524
Term of patent 14 years



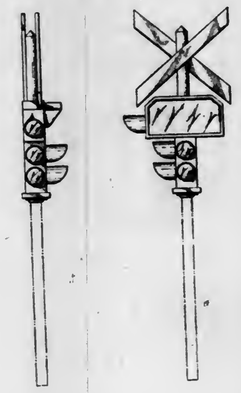
The ornamental design for a light fixture, substantially as shown.

129,837
DESIGN FOR A LAMP HEAD
Max Mache and Nathan Levinson, Chicago, Ill.
Application January 2, 1941, Serial No. 97,783
Term of patent 3½ years



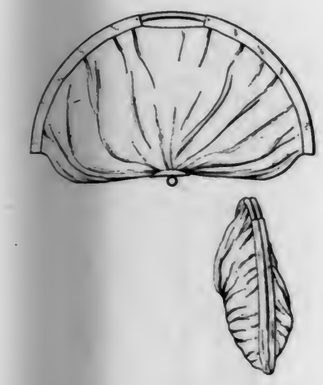
The ornamental design for a lamp head, as shown.

129,838
DESIGN FOR A RAILROAD CROSSING SIGNAL
Samuel E. McFarland, Los Angeles, Calif.
Application April 2, 1941, Serial No. 100,102
Term of patent 7 years



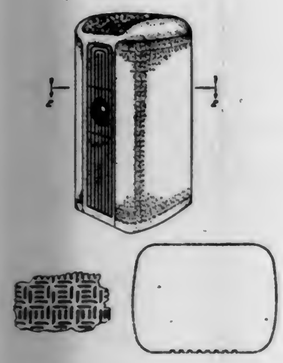
The ornamental design for a railroad crossing signal, as shown and described.

129,839
DESIGN FOR A BATHING BAG
Vitalis Nachmias, New York, N. Y.
Application February 24, 1941, Serial No. 99,196
Term of patent 7 years



The ornamental design for a bathing bag substantially as shown and described.

129,840
DESIGN FOR A CABINET FOR A SPACE HEATER OR THE LIKE
Walter C. Schneider, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application January 23, 1941, Serial No. 98,296
Term of patent 7 years



The ornamental design for a cabinet for a space heater or the like, substantially as shown and described.

129,841
DESIGN FOR A CHRISTMAS TREE ORNAMENT OR SIMILAR ARTICLE
Joseph L. Adler, Chicago, Ill.
Application May 27, 1940, Serial No. 92,640
Term of patent 3½ years



The ornamental design for a Christmas tree ornament or similar article, as shown and described.

129,842
DESIGN FOR A PIN OR SIMILAR ARTICLE
Marcel Boucher, New York, N. Y.
Application September 6, 1941, Serial No. 103,188
Term of patent 3½ years



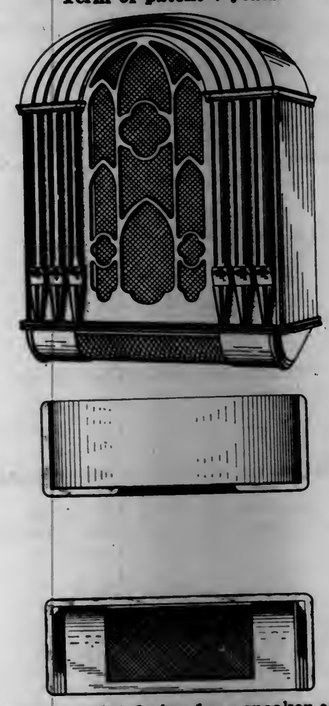
The ornamental design for a pin or similar article, substantially as shown.

129,843
DESIGN FOR A PIN OR SIMILAR ARTICLE
Marcel Boucher, New York, N. Y.
Application September 6, 1941, Serial No. 103,189
Term of patent 3½ years



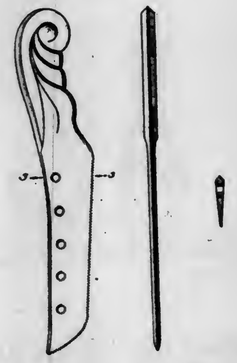
The ornamental design for a pin or similar article, substantially as shown.

129,844
DESIGN FOR A SPEAKER CASING
Edward E. Collison, Indianapolis, Ind., assignor to Homer E. Capehart, Washington, Ind.
Application February 10, 1941, Serial No. 98,871
Term of patent 7 years



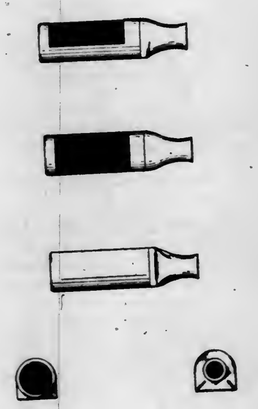
The ornamental design for a speaker casing, as shown and described.

129,845
DESIGN FOR A KNIFE
James E. Krilow, Atlantic City, N. J.
Application June 5, 1941, Serial No. 101,307
Term of patent 14 years



The ornamental design for a knife, as shown.

129,846
DESIGN FOR A CIGARETTE HOLDER
Raymond A. Lemoyne, Rochester, N. H.
Application May 31, 1941, Serial No. 101,251
Term of patent 7 years



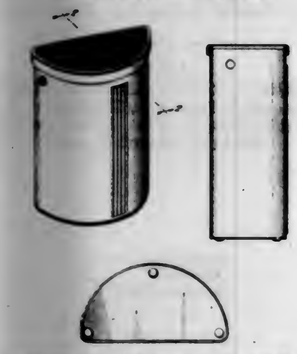
The ornamental design for a cigarette holder, as shown.

129,847
DESIGN FOR A BOTTLE
Frank McIntosh, New York, N. Y.
Application April 22, 1941, Serial No. 100,558
Term of patent 7 years



The ornamental design for a bottle, substantially as shown.

129,848
DESIGN FOR A METAL HAMPER
William C. Panzer, Chicago, Ill., assignor to Russakov Can Company, Chicago, Ill., a corporation of Illinois
Application June 20, 1940, Serial No. 93,135
Term of patent 7 years



The ornamental design for a metal hamper, substantially as shown.

129,849
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application September 8, 1941, Serial No. 103,201
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

129,850
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application September 8, 1941, Serial No. 103,202
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

129,851
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application September 11, 1941, Serial No. 103,291
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

129,852
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application September 11, 1941, Serial No. 103,292
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

129,853
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application September 11, 1941, Serial No. 103,293
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

129,854
DESIGN FOR A PIN CLIP
Alfred Spaney, New York, N. Y.
Application September 8, 1941, Serial No. 103,204
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

129,855
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Spaney, New York, N. Y.
Application September 8, 1941, Serial No. 103,205
Term of patent 3½ years



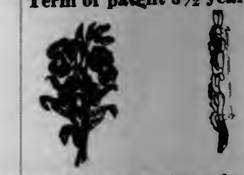
The ornamental design for a brooch or similar article, substantially as shown.

129,856
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Spaney, New York, N. Y.
Application September 8, 1941, Serial No. 103,206
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

129,857
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Spaney, New York, N. Y.
Application September 8, 1941, Serial No. 103,207
Term of patent 3½ years



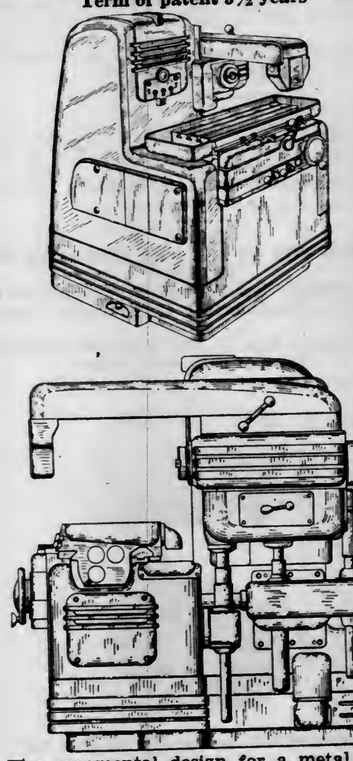
The ornamental design for a brooch or similar article, substantially as shown.

129,858
DESIGN FOR AN EMBLEM PIN
Alexander Stoller, New York, N. Y., assignor to Medical and Surgical Relief Committee of America
Application July 23, 1941, Serial No. 102,390
Term of patent 3½ years



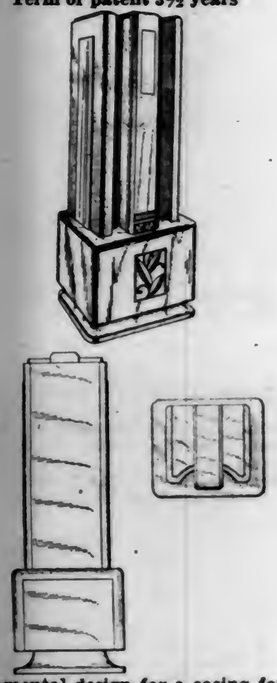
The ornamental design for an emblem pin, substantially as shown.

129,859
DESIGN FOR A METALWORKING MACHINE
Artie C. Carlson, Detroit, Mich., assignor, by direct and mesne assignments, to Bremau Corporation, Detroit, Mich., a corporation of Michigan
Application July 18, 1941, Serial No. 102,213
Term of patent 3½ years



The ornamental design for a metal working machine, substantially as shown.

129,860
DESIGN FOR A CASING FOR SOUND APPARATUS
David C. Rockola, Chicago, Ill., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill., a corporation of Delaware
Application February 5, 1941, Serial No. 98,748
Term of patent 3½ years



The ornamental design for a casing for sound apparatus, substantially as shown.

129,861
DESIGN FOR AN ASH TRAY OR SIMILAR ARTICLE
George Sakier, New York, N. Y., assignor to The American Goldscheider Corporation, Trenton, N. J.
Application July 11, 1941, Serial No. 102,030
Term of patent 3½ years



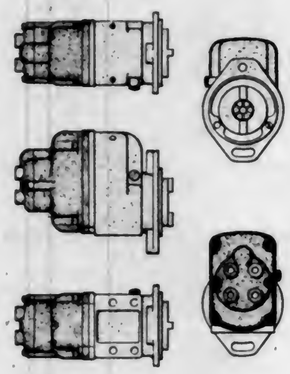
The ornamental design for an ash tray or similar article, as shown.

129,862
DESIGN FOR A COAT
Isidore Smith, New York, N. Y.
Application September 5, 1941, Serial No. 103,174
Term of patent 3½ years



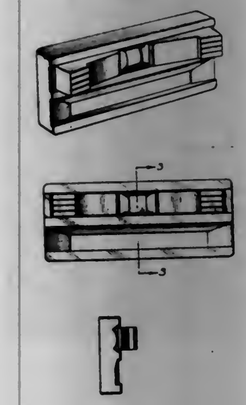
The ornamental design for a coat, substantially as shown.

129,863
DESIGN FOR A MAGNETOELECTRIC GENERATOR
Edward A. Vogel, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application October 31, 1940, Serial No. 96,229
Term of patent 3½ years



The ornamental design for a magnetoelectric generator, substantially as shown and described.

129,864
DESIGN FOR A DIAL ESCUTCHEON FOR A RADIO SET
Robert D. Budlong, Chicago, Ill., assignor to Zenith Radio Corporation, Chicago, Ill., a corporation of Illinois
Application August 11, 1941, Serial No. 102,787
Term of patent 7 years



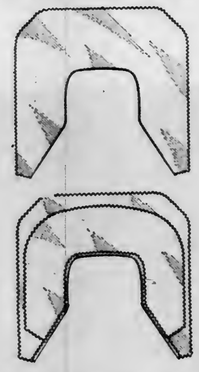
The ornamental design for dial escutcheon for a radio set, as shown.

129,865
DESIGN FOR A TEXTILE FABRIC
Marcel Christen, New York, N. Y.
Application September 12, 1941, Serial No. 103,308
Term of patent 3½ years



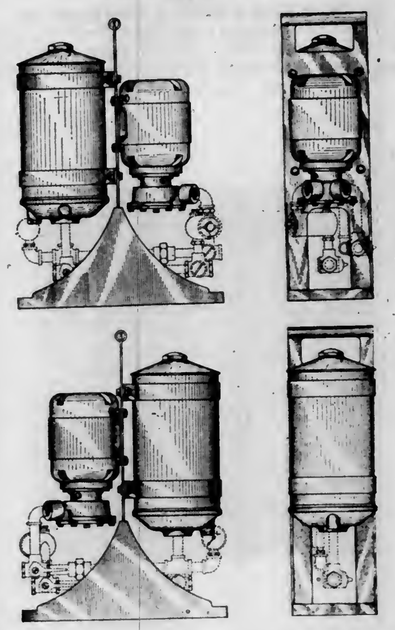
The ornamental design for a textile fabric, substantially as shown.

129,866
DESIGN FOR A PROTECTIVE COLLAR
Mary Rea Cohig, Denver, Colo.
Application December 21, 1940, Serial No. 97,518
Term of patent 7 years



The ornamental design for a protective collar as shown and described.

129,867
DESIGN FOR A PORTABLE OIL FILTERING UNIT
Russell P. Dunmire, Alliance, Ohio, assignor to The Buckeye Laboratories, Inc., a corporation of Ohio
Application April 16, 1941, Serial No. 100,416
Term of patent 14 years



The ornamental design for a portable oil filtering unit, substantially as shown and described.

129,868
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Marjorie C. Hughes, New York, N. Y.
Application September 16, 1941, Serial No. 103,365
Term of patent 3½ years



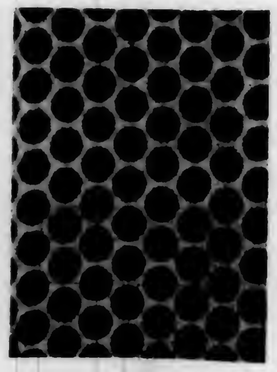
The ornamental design for a textile fabric or similar article, as shown.

129,869
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Marjorie C. Hughes, New York, N. Y.
Application September 16, 1941, Serial No. 103,366
Term of patent 3½ years



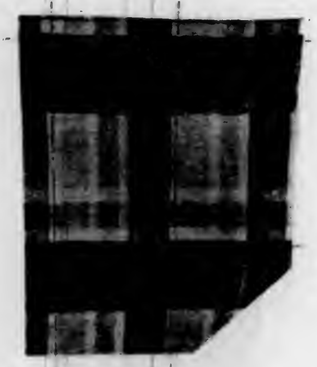
The ornamental design for a textile fabric or similar article, as shown.

129,870
DESIGN FOR A TEXTILE FABRIC
Jacques E. Maisch, New York, N. Y.
Application September 15, 1941, Serial No. 103,347
Term of patent 3½ years



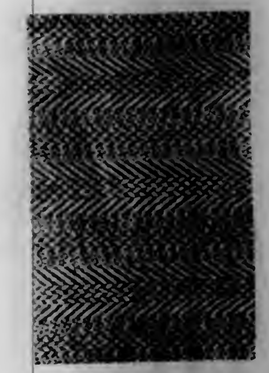
The ornamental design for a textile fabric, substantially as shown.

129,871
DESIGN FOR A WOVEN TEXTILE FABRIC
George A. Niedner, New York, N. Y.
Application September 15, 1941, Serial No. 103,345
Term of patent 3½ years



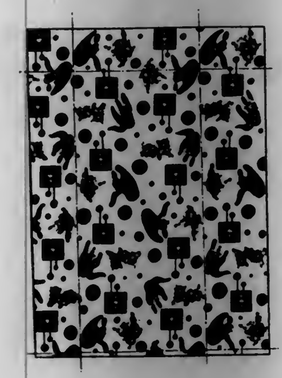
The ornamental design for a woven textile fabric, substantially as shown and described.

129,872
DESIGN FOR A WOVEN TEXTILE FABRIC
George A. Niedner, New York, N. Y.
Application September 15, 1941, Serial No. 103,346
Term of patent 3½ years



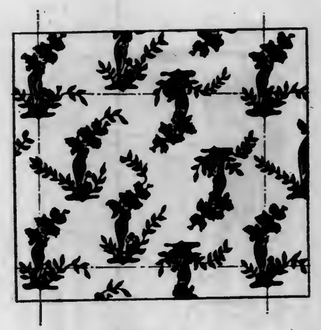
The ornamental design for a woven textile fabric, substantially as shown.

129,873
DESIGN FOR A TEXTILE FABRIC
Samuel Bernard Schaeffer, Jackson Heights, N. Y.
Application September 12, 1941, Serial No. 103,310
Term of patent 3½ years



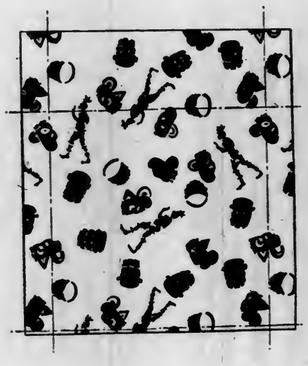
The ornamental design for a textile fabric, substantially as shown and described.

129,874
DESIGN FOR A TEXTILE FABRIC
Samuel Bernard Schaeffer, Jackson Heights, N. Y.
Application September 12, 1941, Serial No. 103,311
Term of patent 3½ years



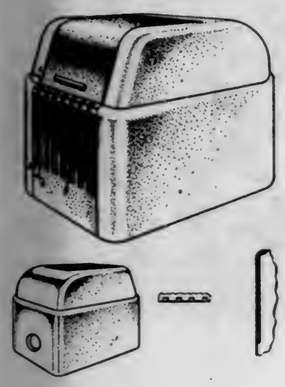
The ornamental design for a textile fabric, substantially as shown and described.

129,875
DESIGN FOR A TEXTILE FABRIC
Samuel Bernard Schaeffer, Jackson Heights, N. Y.
Application September 12, 1941, Serial No. 103,312
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

129,876
DESIGN FOR A STOKER CABINET OR THE LIKE
Harold Van Doren and Donald E. Dailey, Toledo, Ohio, assignors to Kingston Products Corporation, Kokomo, Ind., a corporation of Indiana
Application January 16, 1941, Serial No. 98,117
Term of patent 7 years



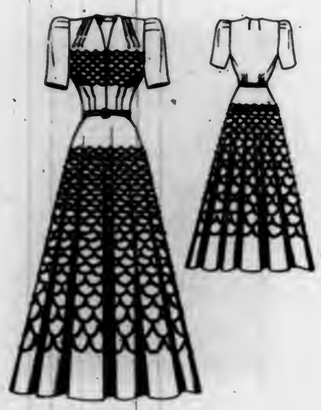
The ornamental design for a stoker cabinet or the like, as shown.

129,877
DESIGN FOR A DRESS
Marie Carbotti, New York, N. Y.
Application September 13, 1941, Serial No. 103,335
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,878
DESIGN FOR A DRESS
Louise Decker, New York, N. Y.
Application September 20, 1941, Serial No. 103,425
Term of patent 3½ years



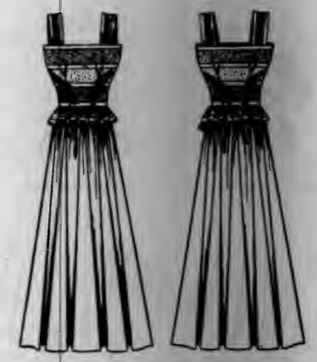
The ornamental design for a dress, substantially as shown.

129,879
DESIGN FOR A DRESS
Sophie Mattes, New York, N. Y.
Application September 18, 1941, Serial No. 103,400
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,880
DESIGN FOR A DRESS
Sophie Mattes, New York, N. Y.
Application September 18, 1941, Serial No. 103,401
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,881
DESIGN FOR A DRESS
Helen May, New York, N. Y.
Application September 20, 1941, Serial No. 103,428
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,882
DESIGN FOR A DRESS
Marion McCoy, St. Louis, Mo.
Application September 19, 1941, Serial No. 103,406
Term of patent 3½ years



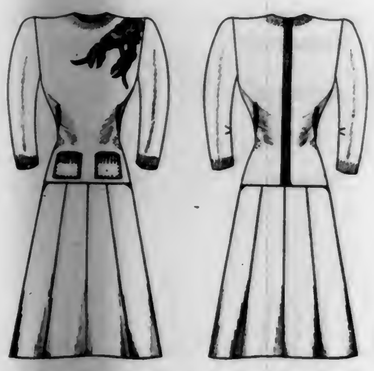
The ornamental design for a dress, substantially as shown.

129,883
DESIGN FOR A DRESS
Marion McCoy, St. Louis, Mo.
Application September 19, 1941, Serial No. 103,407
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,884
DESIGN FOR A DRESS
Marion McCoy, St. Louis, Mo.
Application September 19, 1941, Serial No. 103,408
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,885
DESIGN FOR A DRESS
Elfie N. Perper, New York, N. Y.
Application September 15, 1941, Serial No. 103,363
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,886
DESIGN FOR A DRESS
Ruth Richman, New York, N. Y.
Application September 11, 1941, Serial No. 103,294
Term of patent 3½ years



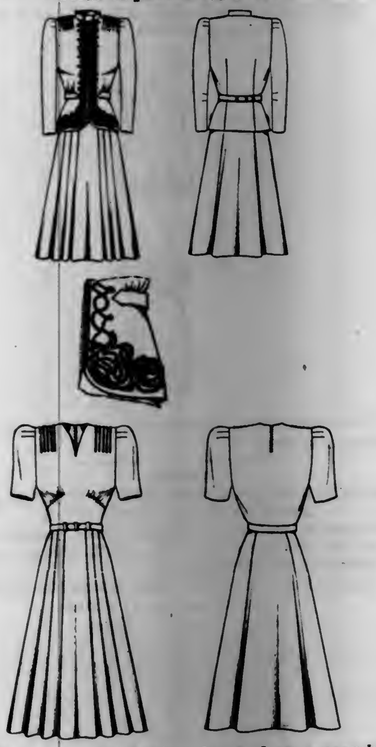
The ornamental design for a dress, substantially as shown.

129,887
DESIGN FOR A DRESS
Ruth Richman, New York, N. Y.
Application September 11, 1941, Serial No. 103,295
Term of patent 3½ years



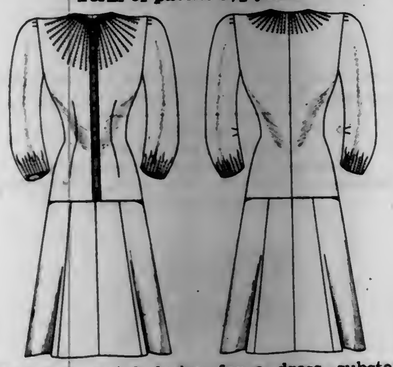
The ornamental design for a dress, substantially as shown.

129,888
DESIGN FOR A DRESS ENSEMBLE
Samuel Riesenberg, Philadelphia, Pa.
Application September 20, 1941, Serial No. 103,426
Term of patent 3½ years



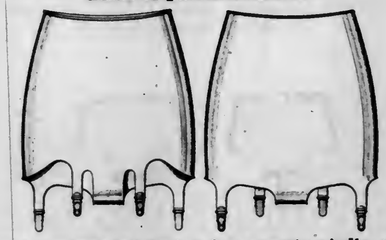
The ornamental design for a dress ensemble, substantially as shown.

129,889
DESIGN FOR A DRESS
Joseph E. Silverman, St. Louis, Mo.
Application September 18, 1941, Serial No. 103,394
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,890
DESIGN FOR A PANTY GIRDLE
Abraham N. Spanel, New York, N. Y.
Application December 28, 1940, Serial No. 97,688
Term of patent 14 years



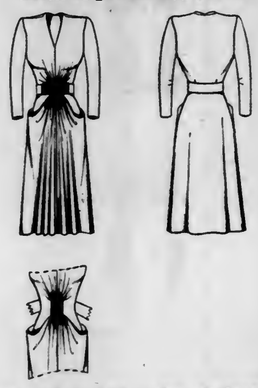
The ornamental design for a panty girdle, substantially as shown and described.

129,891
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application September 20, 1941, Serial No. 103,427
Term of patent 3½ years



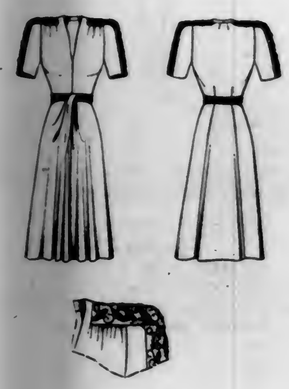
The ornamental design for a dress, substantially as shown.

129,892
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application September 20, 1941, Serial No. 103,429
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,893
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application September 20, 1941, Serial No. 103,430
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,894
DESIGN FOR A FOUNDATION GARMENT
Jerome Abeles, Chicago, Ill., assignor to The Formfit Company, Chicago, Ill., a corporation of Illinois
Application June 30, 1941, Serial No. 101,811
Term of patent 7 years



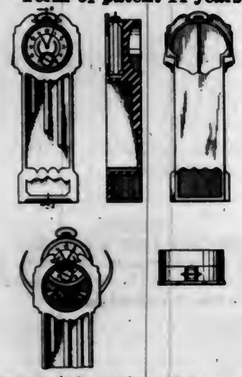
The ornamental design for a foundation garment, as shown.

129,895
DESIGN FOR A FOUNDATION GARMENT
Jerome Abeles, Chicago, Ill., assignor to The Formfit Company, Chicago, Ill., a corporation of Illinois
Application July 2, 1941, Serial No. 101,856
Term of patent 7 years



The ornamental design for a foundation garment, as shown.

129,896
DESIGN FOR A COMBINATION WATCH AND DISPLAY FORM THEREFOR
William B. Cohen, St. Paul, Minn., assignor to Stuart Products, Inc., St. Paul, Minn., a corporation of Minnesota
Application March 28, 1941, Serial No. 99,946
Term of patent 14 years



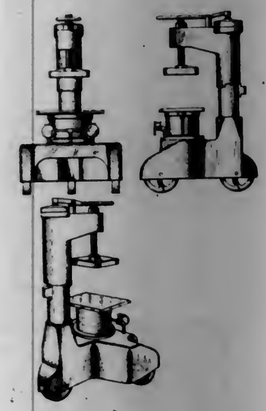
The ornamental design for a combination watch and display form therefor, as shown.

129,897
DESIGN FOR A LACE
Rudolph Dannecker, Beacon, N. Y.
Application June 18, 1941, Serial No. 101,527
Term of patent 3½ years



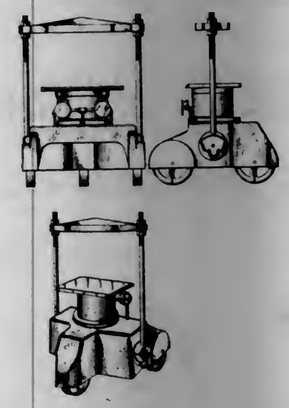
The ornamental design for a lace, substantially as shown and described.

129,898
DESIGN FOR A MOLDING MACHINE OR THE LIKE
Lester A. Demkier and Kenneth O. Hostetter, Dubuque, Iowa, assignors to The Adams Company, Dubuque, Iowa, a corporation of Iowa
Application January 23, 1941, Serial No. 98,306
Term of patent 14 years



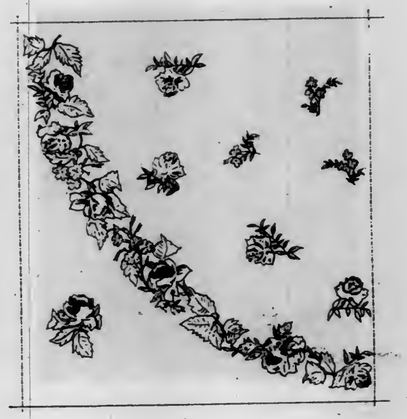
The ornamental design for a molding machine or the like, substantially as shown.

129,899
DESIGN FOR A MOLDING MACHINE OR THE LIKE
Lester A. Demkier and Kenneth O. Hostetter, Dubuque, Iowa, assignors to The Adams Company, Dubuque, Iowa, a corporation of Iowa
Application January 23, 1941, Serial No. 98,307
Term of patent 14 years



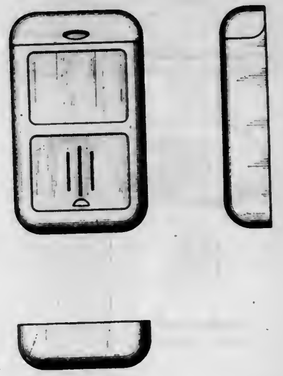
The ornamental design for a molding machine or the like, substantially as shown.

129,900
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Gladys E. Eisenhardt, New York, N. Y., assignor to Cohn-Hall-Marx Co., New York, N. Y.
Application July 11, 1941, Serial No. 102,015
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, as shown and described.

129,901
DESIGN FOR A MAILBOX
Clarence L. Hanson and Henry J. Jadin, Green Bay, Wis., assignors to Henry J. Jadin, Harris Gigot, and Clarence L. Hanson, copartners, doing business as Acme Products Company, Green Bay, Wis.
Application December 12, 1940, Serial No. 97,276
Term of patent 14 years



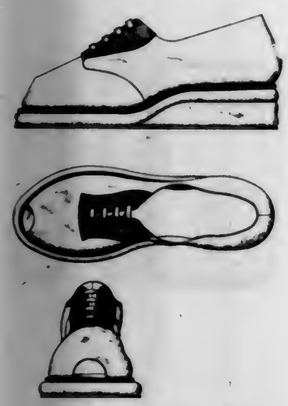
The ornamental design for a mailbox, as shown.

129,902
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Marjorie C. Hughes, New York, N. Y.
Application September 16, 1941, Serial No. 103,364
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, as shown.

129,903
DESIGN FOR A SHOE
Kenneth B. Keyes, New York, N. Y., assignor to Swan Shoe Company, Inc., Baltimore, Md., a corporation of Maryland
Application December 7, 1940, Serial No. 97,149
Term of patent 3½ years



The ornamental design for a shoe, as shown and described.

129,904
DESIGN FOR A SHEET OR SIMILAR ARTICLE
Vera Way Marghab, New York, N. Y.
Application May 25, 1940, Serial No. 92,597
Term of patent 14 years



The ornamental design for a sheet or similar article, substantially as shown and described.

129,905
DESIGN FOR A CLOCK
Alfred B. Shawl, New York, N. Y.
Application July 26, 1941, Serial No. 102,497
Term of patent 3½ years



The ornamental design for a clock, as shown.

129,906
DESIGN FOR A DISPLAY MOUNT FOR BACKED PHOTOGRAPHIC FIGURES
Jack Charles Schirrmacher, Jersey City, and Peter James Doran, Woodridge, N. J.
Application August 9, 1941, Serial No. 102,777
Term of patent 14 years



The ornamental design for a display mount for backed photographic figures, substantially as shown and described.

129,907
DESIGN FOR A SHOE
Harry Le Roy Sutcliffe, New York, N. Y.
Application July 23, 1941, Serial No. 102,385
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown and described.

129,908
DESIGN FOR A ROTARY TOOTHBRUSH
Henry M. Sutherland, Lansing, Mich.
Application July 12, 1941, Serial No. 102,105
Term of patent 14 years



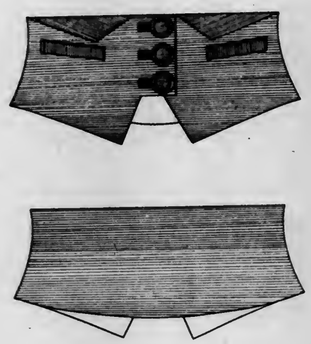
The ornamental design for a rotary toothbrush, as shown.

129,909
DESIGN FOR A SPORTS JACKET
Nini Turcotte, New York, N. Y.
Application September 8, 1941, Serial No. 103,199
Term of patent 3½ years



The ornamental design for a sports jacket, substantially as shown.

129,910
DESIGN FOR A VESTEE
Nini Turcotte, New York, N. Y.
Application September 8, 1941, Serial No. 103,200
Term of patent 3½ years



The ornamental design for a vestee, substantially as shown.

129,911
DESIGN FOR A BRIDGE FOR AN OPHTHALMIC MOUNTING
Theodore R. Uhlemann, Antioch, Ill., assignor to Uhlemann Optical Co. of Illinois, Chicago, Ill., a corporation of Delaware
Application April 5, 1940, Serial No. 91,488
Term of patent 3½ years



The ornamental design for a bridge for an ophthalmic mounting, substantially as shown and described.

129,912
DESIGN FOR A TEMPLE FOR AN OPHTHALMIC MOUNTING
Theodore R. Uhlemann, Antioch, Ill., assignor to Uhlemann Optical Co. of Illinois, Chicago, Ill., a corporation of Delaware
Application April 5, 1940, Serial No. 91,489
Term of patent 3½ years



The ornamental design for a temple for an ophthalmic mounting, substantially as shown.

Patents Nos. 2,258,581 to 2,259,433

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Designs	100—No.	129,913 to No.	130,012, inclusive.
Total	1,119		

Regulations for Filing Applications for Patents and Amendments in Foreign Countries Under Public 239 of the 77th Congress

1. *Petition for license.* Licenses will be issued on petition addressed to the Commissioner of Patents. One petition completely filled out in duplicate must be filed for each application and for each amendment to be filed in each foreign country. Petitions must be filed on forms DL1 (applications) and DL2 (amendments), except that applications for licenses made on A. E. C. Form No. 16, filed and completed in the Office of the Administrator of Export Control before September 20, 1941, and not granted or denied by the Administrator will be considered by the Commissioner of Patents.

2. *Definitions.* The term "application," as used in these regulations, includes applications, and any modifications, amendments, or supplements thereto or continuances thereof, and in the petition for license, includes the usual application for patent or for the registration of a utility model, industrial design, or model, or for a patent of addition, and also includes each and every communication, drawing, document, or paper containing technical information, whether or not in the English language, which shall furnish in whole or in part the basis of any such application or which shall assist, cause or authorize the filing of such an application in any foreign country. The term "amendment," as used in the petition for license, is used in its usual sense and also includes each and every communication, document, or paper which relates to any foreign application for patent, or for the registration of a utility model, industrial design, or model, and contains any technical data or information whether or not in the English language which upon translation, if necessary, or other modification is intended to be used as an amendment or as a basis for preparing an amendment, argumentative letter or supplement of any kind to such foreign application already filed. If the supplement is in the form of an application, such, for example, as an application of addition to a foreign patent or application, it is not an amendment, and Form DL1 should be used.

3. *Invention not made in United States.* No license from the Commissioner of Patents is required if the invention was not made in the United States. Before filing an application or an amendment abroad relating to such an invention, however, it should be determined whether a license is required by any other Government agencies.

4. *Accompanying documents.* The application or the amendment sought to be exported or filed in a foreign country must accompany the petition. All documents enclosed which are in a foreign language must be accompanied by the original English text and a translator's affidavit to the effect that the foreign document is a true, faithful, and exact translation.

5. *No corresponding United States application.* If the application to be filed in a foreign country does not contain the disclosure of any United States application whatsoever, a complete and properly identified copy in English must be filed for use and record of the Patent Office.

6. *"New matter" in amendment.* If the amendment contains any matter or disclosure which is not in the original specification or in any of the amendments or the supplements already filed abroad, or already contained in printed publications, the petition must point out in detail all of this new matter.

7. *Copies of foreign applications.* Petitioner may be required to file verified copies of the foreign application to be amended, together with all amendments and supplements already filed in the foreign country.

8. *Affidavit.* The affidavit in the petition will be executed by applicant, his or his assignee's attorney or agent.

9. *Enclosures.* Necessary covering letters and other enclosures to accompany the application or amendment should be attached by clips to the petition. No responsibility can be assumed by the Government as to enclosures in the form of drafts, checks, or funds in any form. A list of all papers filed must be included in the petition.

(Continued on page 286)

Condition of Applications Under Examination at Close of Business September 27, 1941

(Total number of applications awaiting action, excluding Trade-Mark Division, 44,847; Trade-Mark Division, 1,207. Oldest new case, Jan. 6, 1941; oldest amended, Jan. 2, 1941.)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Feb. 19	Feb. 19	759
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	May 7	Apr. 15	549
4063	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	July 10	July 12	488
7063	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating, Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	June 20	June 2	587
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Apr. 17	Apr. 14	537
4806 O	6. LEWERS, A. M., Carbon Chemistry (part)	Mar. 1	Mar. 5	1106
5725	7. JARBOE, C. G., Optics; Photography	Apr. 1	Apr. 2	1011
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	Mar. 31	Mar. 26	901
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Apr. 19	Apr. 24	541
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Apr. 2	Apr. 2	581
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	May 31	May 29	304
7701	12. SPINTMAN, SAMUEL, (Act.), Machine Elements; Mechanical Starters; Stop Mechanisms	May 1	Apr. 30	646
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Feb. 10	Feb. 17	602
5097	14. FREEHOF, H. B., (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	June 4	June 5	491
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Mar. 28	Mar. 29	1187
5716	16. SPENCER, C. J., Telegrsphy; Telephony	May 14	Apr. 10	478
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	May 20	May 8	681
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Apr. 17	Apr. 8	409
4006	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Apr. 22	Apr. 12	763
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Apr. 8	Apr. 8	481
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	June 10	June 13	305
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	Jan. 6	Jan. 7	1370
7624	23. BUTTNER, W. J., Registers (part)	Mar. 6	Jan. 29	252
5063	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Apr. 17	May 15	834
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	May 19	May 13	564
5803	26. YOUNG, R. R., Electricity, Generation; Motive Power	May 31	May 29	415
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	Apr. 30	Apr. 16	538
4629	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Elements; Cylinders and Pistons	June 7	May 15	343
5062	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	Mar. 27	Apr. 4	809
4063	30. McCANN, L. P., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	May 27	June 6	400
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Apr. 8	Apr. 8	1456
4066	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Apr. 10	Mar. 31	1940
6006	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads.	Apr. 21	Apr. 11	1062
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Surface Track; Track Sanders; Draft Appliances; Signals and Indicators.	Feb. 26	Feb. 12	491
3876	35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Portable Receptacles	Mar. 26	Mar. 21	1005
7902	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Apr. 16	Apr. 19	543
5586 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	May 20	May 9	538
3064	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Feb. 1	Jan. 2	1330
4878	39. WHITNEY, F. L., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	June 4	June 9	477
7890	40. DRUMMOND, E. J., Metallic, Wood, Paper, and Special Receptacles	Mar. 17	Mar. 14	707
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	May 5	Apr. 22	535
5882	42. CUTTING, H. O., Electric Signaling	May 27	May 31	333
4886 B	43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	May 1	May 6	645
4087 B	44. HARVEY, L. P., Refrigeration	Apr. 4	Mar. 29	563
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	June 16	June 28	268
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Cooling Implements and Machines.	Mar. 18	Mar. 29	821
6082	47. KANOF, W. J., Clutches; Brakes	May 21	Apr. 29	384
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	May 20	May 20	539
7726	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	May 20	Mar. 28	750
4701	50. LEVIN, S., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	Mar. 27	Mar. 27	1353
5628	51. BACKUS, C. D., Radiant Energy (part)	July 16	July 12	306
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	May 1	May 13	633
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Feb. 20	Feb. 24	707
5683	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	June 17	May 14	350
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	May 7	May 9	323
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	Feb. 27	Feb. 27	1252
5613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	Feb. 14	June 9	195
5805	58. DOWELL, E. F., Abrading; Bottles and Jars	Apr. 1	Mar. 24	547
4709	59. SHEPPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	Mar. 27	Mar. 31	1106
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Apr. 30	June 10	431
6724	61. YUNG KWAI, B., Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Mar. 11	Mar. 15	675
5621	62. PUGH, E. C., Games; Geometrical Instruments	Feb. 12	June 11	610
4883	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	Mar. 8	Mar. 5	1123
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	June 17	June 20	647
3612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	June 12	June 16	499
2099 B	Trade-Marks: F. A. RICHMOND	Aug. 6	Aug. 18	1207
2605	Designs: H. H. KALUPY	Aug. 15	Sept. 8	543

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE SHETLER

No. 4,477. Decided June 9, 1941

[120 F.(2d) 338]

PATENTABILITY—PUMP.

Claims to a pump having separate power and pump units *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Messrs. Barnes, Kisselle, Laughlin & Raisch (*Mr. John M. Kisselle* of counsel) for Shetler.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting claims 1 to 4, inclusive, in appellant's application for a patent for an alleged invention relating to improvements in pumps, particularly to a shallow well type pump having two separate units, one, the power unit comprising a motor, belt, fly wheel, crank, connecting rod, etc., and a frame therefor, and the other, the pump unit, arranged to be secured to the frame by means of bolts, comprising a cylinder, piston, and valves.

It appears from appellant's application that the pump elements—the cylinder and piston—require frequent servicing, and it was appellant's purpose to so arrange the pump unit that it might be readily and easily separated from the frame without detaching or disturbing any part of the power unit. To that end, appellant designed his pump unit so that "the vacuum port and fixtures and the supply port and fixtures are formed as a part of the power unit housing," thus the "pump housing is entirely freed of all exterior fittings."

Claim 2 is illustrative of the appealed claims. It reads:

> 2. A pump comprising a power end including framework for the power transmitting means, said framework having inlet and outlet passageways and conduits permanently connected thereto, a double-cup piston extending from a piston guide in said power end, and a pumping unit removably connected to said framework having ports adapted to register with said passageways and having a cylinder adapted to register with said piston, said piston and cylinder being located off center of their respective housings whereby assembly of said pumping unit may be accomplished without reversal of parts.

The reference is: Austrian patent, 34,045, of 1908.

The reference patent discloses a pump "removably connected" to a frame by means of bolts and nuts, which, as stated by the Primary Examiner, is "as readily detachable as is applicant's without disturbing other parts of the unit." The patentee states that the pump unit can be removed by loosening the bolts (referred to as "T-headed bolts") by means of which it is attached to the frame.

With reference to the element in the claims that the piston and cylinder are located off center "whereby assembly of said pumping unit may be accomplished without reversal of parts," the Primary Examiner said:

> No patentable advantage is seen in having the piston rod off center from the inlet ports. Any mechanic working with this pump would know the top from the bottom of the pump unit.

The Examiner held that it would not require invention to alter the Austrian patent so that it would conform to that particular limitation set forth in appealed claim 2.

In affirming the decision of the Examiner rejecting the appealed claims, the Board of Appeals said, among other things:

> Appellant argues that the pump of the reference will fall into a plurality of loose parts when the bolts are removed. We find nothing in the appealed claims, however, limiting the structure to a pump *which will remain united together when detached*. We do not consider that the word "unit" is a limitation of this nature. It is our view, however, that there was no invention in providing means to hold the parts together if desired.
>
> As to arranging the piston and cylinder off center so that the pump could not be mounted in improper position, this is only one of the many ways in which such improper assembly could be prevented. We do not consider that there was any invention in adopting this particular expedient. [Italics not quoted.]

Counsel for appellant here contend that the term "pumping unit," used in the appealed claims, should be interpreted to mean that the pump unit is an "integral part separable from the main pump housing," and that such interpretation is required if that term is considered in the light of appellant's specification. It is further contended by counsel that when appellant's pump unit is removed from the frame the parts of the pump will not fall apart, whereas, it is argued, if the T-headed bolts in the reference structure were removed so as to detach the pump unit from the frame the various parts of the pump unit would fall apart.

It is pointed out by the Solicitor for the Patent Office, however, that the patentee does not teach that the T-headed bolts should be removed in order to remove the pump unit from the frame, but, on the contrary, teaches that the pump unit can be conveniently removed by merely loosening the bolts. Furthermore, as stated by the Solicitor, a T-headed bolt, such as is disclosed in the Austrian patent, "has the peculiarity that when it is crosswise of the slot the bolt head will not go through the slot, but when the T-head is turned so that the arms of the T-head are in alignment with the slot, then the head of the bolt will go through the slot. This sort of connection allows the bolted unit [the pump unit] to be removed without taking off the nut from the bolt."

It is evident that, although the patentee's pump unit is composed of several separate parts, those parts will not fall apart if, as stated by the patentee, in removing the pump unit from the frame, the bolts are merely loosened. Furthermore, as stated by the Board of Appeals, there is nothing in the appealed claims to indicate that the "pumping unit" referred to therein is integral.

That limitations may not be read into the appealed claims in order to avoid the prior art is so well settled that authorities need not be cited.

Relative to the off-center position of the piston

and cylinder from the ports and bolts which, it is argued by counsel for appellant, prevents improper installation of the pump unit, it is sufficient to say that there is nothing of record to indicate that the Primary Examiner and the Board of Appeals erred in holding that that arrangement does not lend patentability to the appealed claims.

It may be, as argued by counsel for appellant, that appellant's pump is an improvement over the prior art structure. It may also be that appellant's pump has met with commercial success, although there is no evidence of record upon which to base a finding to that effect.

We are in agreement with the views expressed by the tribunals of the Patent Office that the structure defined by the appealed claims does not involve invention in view of the disclosure in the reference of record.

For the reasons stated, the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE SMYTH, JR.

No. 4,496. Decided June 9, 1941. Petition for Rehearing denied June 28, 1941

[120 F.(2d) 348]

1. PATENTABILITY—ANALOGOUS ART.
"While there is a difference in the purpose for which the counter is made, we see no essential difference, so far as counting is concerned, between a device which counts the number of times a furnace door is opened, or the number of times that a key is turned in a lock, or counting the pieces of lumber or other material which have been cut or stamped, and a device which counts the number of times that a record has been played."

2. SAME—MULTI-RECORD PHONOGRAPH WITH COUNTER.
Certain claims to the combination of a multi-record phonograph and recording mechanism for indicating the relative popularity of the phonograph records *Held* unpatentable, since the automatic counting of operations or articles was well known, and the application of a counting device to a phonograph would be obvious to anyone skilled in the art.

APPEAL from Patent Office. Affirmed.

Mr. Thomas H. Sheridan and *Mr. James A. Davis* for Smyth, Jr.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

LENROOT, *J.:*

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming a decision of the Examiner rejecting, for lack of patentability over the cited prior art, claims 1 to 6, inclusive, and 9 to 13, inclusive, of appellant's application for a patent. Claims 7 and 8 were allowed.

Claim 1 is illustrative of the subject matter involved and reads as follows:

1. In combination, record playing means for reproducing phonograph records, a plurality of record carriers for carrying phonograph records to be played by said record playing means, record carrier operating means for selectively delivering one of said phonograph records at a time for playing by said playing means, token or coin freed means for controlling the foregoing means, *and record making means operable by said record carriers to record the number of times each of said phonograph records is played by said playing means for indicating the relative popularity of said phonograph records* in said record carriers. [Italics ours.]

As indicated by the above quoted claim, appellant's disclosure relates to a coin-controlled multi-record phonograph and a recording mechanism for indicating the relative popularity of the phonograph records.

Appellant's alleged invention consists in adding to what is admitted to be an otherwise old phonograph, a so-called popularity indicator comprising means to record the number of times each record is played. His application states:

It is an object of the invention to provide a phonograph which will indicate the relative appeals that the various records in the phonograph have to patrons thereof, and that will thereby indicate when a record or records should be replaced due to the expiration of their useful life, to the lack of popularity, or to both causes.
To that end the novel popularity indicator 21 is provided in the phonograph for operation by the changer means, not only to indicate the relative appeals of the various phonograph records, but also to make a record of the number of times each phonograph record is played.
* * *

The element of the combination relied upon for patentability is italicized in the above-quoted claim.

The references cited are: Kerr, 1,194,640, August 15, 1916; Roeling et al., 1,378,720, May 17, 1921; Rosenberger, 1,598,015, August 21, 1926; Grant, 1,981,231, November 20, 1934; Wilcox, 2,002,236, May 21, 1935.

As stated by the Board of Appeals,

The patent to Kerr discloses a recording device provided with a storage drum and a receiving drum for a tape on which a record is to be made by a plunger mechanism. The plunger mechanism is operated each time the door of a furnace is opened in order to make a record of the number of times the fuel is supplied to the furnace. The tapes used for record purposes are illustrated in Figs. 16 and 17 of the patent.

The patent to Rosenberger relates to a recording lock mechanism, concerning which the specification states:

* * * The principal object of this invention is to provide a recording lock of simple and inexpensive construction having a minimum of movable parts, the construction being of a character whereby the operation of a key to lock the door produces a record on a strip of paper * * *.

The patent to Grant relates to a registering stop device, of which the specification states:

* * * More particularly, the invention relates to a stop device which registers or counts the number of pieces of lumber or other material which have been cut, sawed or stamped while using such stop. * * *

The patent to Roeling is merely cumulative to other patents cited and we do not find it necessary to summarize its disclosure.

The patent to Wilcox discloses a multiple-record phonograph which appellant admits is generally similar to that disclosed in appellant's application as an element of his combination. It does not show or describe any indicator or recorder, nor does it suggest that any of its operations should be recorded or indicated.

The claims before us are broad, and the simple question is whether exercise of the inventive faculty was involved in adding to a multiple-record phonograph old in the art a counting device also old in the art. In other words, did it involve invention to employ a counter as disclosed in the patents to Kerr, Rosenberger, and Grant, in a multiple-record phonograph, to indicate the number of times each record had been played?

The particular method of accomplishing the combination is not involved in the claims before us, and claims have been allowed in which elements are recited in effecting the combination, presumably not shown in the prior art.

It appears that phonographs such as are here involved are sold by the manufacturers to "operators," who place them in public places of entertainment, and that machines are played by their patrons upon the deposit of coins in the device. The "operators" and the owners of the places where the machines are located divide the gross receipts from the playing of the phonographs, but only the "operators" or their representatives have keys through which the receipts from the playing of the phonographs may be withdrawn from the instruments.

Appellant's counsel stresses the point that by appellant's combination the relative popularity of the records in the phonograph is indicated, and that nothing of this nature is shown in the prior art.

This is true, but after all, appellant's combination indicates only the number of times each record is played, and this involves only registering in a permanent form the playing of each record.

[1] While there is a difference in the purpose for which the counter is made, we see no essential difference, so far as counting is concerned, between a device which counts the number of times a furnace door is opened, or the number of times that a key is turned in a lock, or counting the pieces of lumber or other material which have been cut or stamped, and a device which counts the number of times that a record has been played.

In the case of *In re Kylstra*, 24 C. C. P. A. (Patents) 938, 87 F.(2d) 487, 481 O. G. 683, there was involved the patentability of a combination involving a counting mechanism in a machine gun for the purpose of counting the number of rounds of ammunition which had been fired. The principal reference was a patent to one Cravath which disclosed a counting mechanism designed for use with a street-car or similar vehicle to indicate the distance travelled through counting of the number of rotations of one of the vehicle wheels.

Appellant there contended that the reference related to a nonanalogous art and should not be relied upon to negative patentability of appellant's claims. The same contention is made by appellant in the case at bar with respect to the references Kerr, Rosenberger, and Grant. With respect to the contention of nonanalogous art made in the case of *In re Kylstra*, supra, we there said:

It does not seem to us that the broad difference between the arts of street car operation and machine gun firing are decisive of the issue here. The actual art is numbering or counting, with a display of the result at a desired location, and we regard such art as being the same in both the device of appellant and that of the Cravath patent. *In re Weingartner*, 19 C. C. P. A. (Patents) 1202, 58 F.(2d) 442.

The same observation is applicable here. There is, of course, a broad difference between the arts of furnace operation, the operation of keys in a lock, or the operation of a saw-mill, and the operation of a phonograph; but, as was said in the case last cited, "the actual art is numbering or counting," and we regard such art as being the same in both the device of appellant and those of the references Kerr, Rosenberger, and Grant, so far as the question here involved is concerned.

[2] That the idea of mentally counting the number of times each record in a phonograph is played was not new is indicated by an affidavit introduced into the record by appellant wherein it is stated:

(*a*) Modern phonographs have twenty (20) or more records therein which are available for selection;
(*b*) The location owner has his own business to run and could not therefore be expected mentally or otherwise to make a reliable observation as to the relative popularity of even fewer records;

According to this affidavit, the novel feature of appellant's device consisted solely in the automatic counting of the number of times each record was played.

Of course, by constant observation one could count the number of times each record was played in a phonograph and thus determine the relative popularity of each record, but this would be impracticable. The problem therefore was to provide automatic counting of the playing of such records and making a record thereof.

To solve the problem it was, in our opinion, only necessary to examine the prior art, and ascertain that the automatic counting of operations or articles was well known, and apply such art to a multiple-record phonograph.

This application of a counting device to a phonograph, it seems to us, would be obvious to anyone skilled in the art, and no exercise of the inventive faculty was involved in appellant's combination.

It is interesting to note in this connection that in an affidavit by the president of appellant's assignee, it is stated that he independently conceived means which, when combined with a selective phonograph, would automatically indicate the popularity of the records.

That appellant's combination is novel and useful is apparent, but for the reasons stated herein we are in agreement with the Patent Office tribunals that, in view of the references, the claims before us are not patentable.

The decision appealed from is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE BOUTON ET AL.

No. 4,453. Decided June 9, 1941

[120 F.(2d) 345]

1. APPEAL — REFERENCES CONSIDERED IMPERTINENT BELOW.
Where the Board of Appeals stated that several patents relied upon by the Primary Examiner were not especially pertinent *Held* that the court would confine its discussion to the patentability of the appealed claims in the light of what the Board considered to be the pertinent references.

2. PATENTABILITY—ALLOY.
Certain claims to a lead-antimony alloy and to a cable sheath made therefrom *Held* patentable over the prior art.

APPEAL from Patent Office. Reversed.

Mr. J. W. Schmied for Bouton et al.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

JACKSON, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office, affirming that of the Primary Examiner, rejecting, in view of the prior art, all of the claims, 2, and 8 to 13 inclusive, of an application for a patent for an alleged new and useful improvement in a lead alloy particularly suitable for an electrical cable sheath.

The claimed invention is sufficiently described in the following illustrative claims:

2. An alloy consisting of 99.75 per cent lead and .25 per cent antimony.

12. A cable sheath made of a lead-antimony alloy which is made from lead containing the usual impurities of commercial standards of lead and uncombined antimony up to but not more than can be held in solid solution at maximum atmospheric temperatures.

13. A cable sheath made of a single phase homogeneous alloy consisting of a solid solution of antimony in lead approaching but not exceeding saturation at ordinary atmospheric temperatures.

The cited references are: Pfeiffer, 57,184, August 14, 1866; Wiseman et al., 1,973,302, September 11, 1934; Yoshikawa (British), 253,920, March 10, 1927; Yoshikawa (British), 277,199, September 15, 1927.

The claims were rejected by the Primary Examiner on the grounds of undue multiplicity and on the references.

[1] The Board of Appeals held that "The number of the claims is very moderate" and thus in effect reversed the decision of the Examiner on the question of multiplicity but affirmed the decision upon prior art said to be disclosed in the Wiseman et al. and the Yoshikawa, 253,920 references. The Board stated that neither the Pfeiffer patent nor the Yoshikawa 277,199, were especially pertinent. Therefore in our consideration of the appeal we will confine our discussion to the patentability of the claims in the light of what the Board considered to be the pertinent references.

Subsequent to the submission of the appeal, counsel for appellants filed in this court a paper stating that claim 10 is withdrawn from the appeal. Treating this paper as a motion to dismiss the appeal as to claim 10, the appeal as to that claim will be dismissed.

The Wiseman et al. patent is directed to an alloy of lead particularly adapted for sheaths of electric power cables. The alloy comprises lead 98.85 per cent to 99.75 per cent, antimony .25 per cent to 1 per cent and vanadium .005 per cent to .15 per cent.

The Yoshikawa patent, No. 253,920, relied on by the Board, relates to alloys of lead and comprises according to its claims pure lead and a bismuth content of from .025 per cent to 4 per cent. In the specification it is stated that the bismuth content may be 10 per cent.

The Board of Appeals considered the Wiseman et al., patent to be the most pertinent reference stating:

If we take the proportions of lead 99.75% approximately and antimony .25% and vanadium .005% we have a proportion of lead and antimony desired for the normal production of a saturated solution of antimony in lead as suggested by appellants although there is no definite teaching in Wiseman et al. that such a saturated solid solution is formed. With the small proportion of vanadium .005%, it might be considered a trace of impurity and appellants do not argue to the contrary. They urge that, following the teaching of the Wiseman et al. patent, a certain amount of vanadium is desirable to accomplish their result. The patentees do not describe the purpose of vanadium and there might be some question as to the effect of vanadium in such small percentage as .005%. The fact that the patentees teach also a much larger amount of vanadium does not discredit the patent as teaching substantially the proportions of lead and antimony suggested in claim 2, for instance, with a trace of vanadium which might have very little effect and be considered an impurity.

In any event, we believe the claims are properly rejected in view of this reference. The claims call for an alloy consisting of the two elements lead and antimony and Wiseman et al. have an additional element, vanadium, but for reasons stated we believe that Wiseman et al. at normal temperatures would produce a saturated solid solution of antimony in lead. At least we have not been definitely shown to the contrary.

As concerns the Yoshikawa patent, No. 253,920, the Board had the following to say:

As to the British patent, No. 253,920, which describes the combination of bismuth and lead for the purpose of increasing the use of such lead for various purposes, appellants have shown by an affidavit that bismuth is quite different from antimony even though classed in the same group in the periodic system. But we note that the claims of the British patent call for a proportion of lead and bismuth in which the bismuth content is approximately .25%, the same as disclosed in the present claims. We find a teaching in this patent of proper percentages of bismuth in lead to form a solid solution and that would lead one to try the same percentage of antimony and lead for the same purpose. At least we are not convinced that the Examiner was in error in rejecting the claims.

It seems to us on the record presented that neither of the references relied on by the Board anticipates the claimed invention of appellants. The Wiseman et al. patent definitely sets out vanadium in its alloy and regardless of how small the amount of vanadium may be the patentees certainly attribute to its presence the advance in the art claimed in the patent. The specification states:

The lead alloy of the present invention is strong and tough, but not brittle. Its physical properties, such as tensile strength and elongation, show it to be much superior to ordinary lead, in that its tensile strength is much higher and its elongation lower. Where with ordinary lead the yield point is very low, the yield point of our alloy is only slightly less than its ultimate strength. This is most helpful as it permits of a very much higher internal pressure in a cable without stretching of the sheath. For example, we have noted for the same size sheath and wall thickness an expansion six to eight times as much for ordinary lead as for our alloy. This is due to the remarkable homogeneity of the mixture and small grain or crystal structure. The usual types of alloys of lead, such as tin and lead or antimony and lead, do not act in a similar manner. In fact, one of the objections to the use of such alloys is the ease of segregation of the tin or antimony before sheathing. This does not occur with the alloy of the present invention. Furthermore, the thorough mixing of the materials of our alloy aids greatly in obtaining a uniform sheath, thereby improving the stability and strength of the sheath in service.

It appears to us that the Wiseman et al. patent instead of making the claimed invention of appellants obvious to one skilled in the art would in fact teach just the opposite—i. e., the necessity of using vanadium in some quantity.

If in its discussion of the Yoshikawa patent, No. 253,920, the Board had been specific, in the face of the clear and complete affidavit offered on behalf of appellants by one highly skilled and specially trained in the art, as to why it held that .25% of bismuth is the equivalent of a like percentage of antimony, the decision might have embodied a clear cut reason for rejecting the claims upon the patent instead of the statement "At least we are not convinced that the Examiner was in error in rejecting the claims."

It is clear that the Yoshikawa patent, No. 253,920, does not contain the elements of the alloy of appellants. It is also clear from the affidavit that while bismuth and antimony may belong to the same family of elements the limit of solubility of antimony in lead is about .25% while for bismuth the figure is about 18% or 72 times as much. A table is presented in the affidavit showing that bismuth is not the equivalent of antimony as follows:

	Bismuth	Antimony
Atomic weight	208	120.2
Specific gravity	9.78	6.62
Melting point ° C.	269.2	630
Eutectic temperature with lead	125° C.	247° C.
Eutectic composition with lead	58% Bi	12% Sb
Maximum solid solubility in lead	18% Bi	2.5% Sb
Solubility in lead at room temperature	18% Bi	.25% Sb

Therefore in view of these differences as shown by the table it seems that the quantity of bismuth is not the equivalent of a like quantity of antimony in a lead alloy.

It was old in the art to use an alloy comprising lead and antimony alone but in alloys of that character 1% of antimony was used. It was discovered by research that the reason the old cable sheaths comprising lead and 1% of antimony became age hardened and subject to deterioration and cracks was that the mixture resulted in a supersaturated solution, which on cooling or aging, caused a precipitation of the antimony in small worked sections resulting in the formation of solid pieces of antimony surrounded by a matrix of softer metal (lead) which led to cracking.

That there was a problem in the manufacturing of a lead alloy the solution of which would result in longer life to lead sheath cables and consequently to less expense in their replacement and repair is apparent from the affidavit. It is also apparent that the making of the material for lead sheathing by appellants in the stated proportions is the result of long study of cable sheathing materials in a successful effort to solve the said problem.

In our opinion neither of the references relied upon by the Board discloses anything that can be properly considered anticipatory of the invention claimed by appellants, nor do the references singly or taken together make it obvious to one skilled in the art to make the alloy or sheaths of appellants.

[2] The motion to dismiss the appeal as to claim 10 is granted. As to all other claims the decision of the Board of Appeals is reversed.

Reversed.

U. S. Court of Customs and Patent Appeals

BROWN *v.* CHILDS

No. 4,442. Decided June 9, 1941

[120 F.(2d) 350]

INTERFERENCE—PRIORITY.

Record reviewed and *Held* that the application of the junior party C discloses all the limitations of the claims copied from the patent of the senior party B and forming the counts of the interference and that upon the evidence adduced priority properly was awarded to C.

APPEAL from Patent Office. Affirmed.

Mr. I. Seltzer and *Mr. C. W. Levinson* for BROWN.

Mr. Newton M. Perrins and *Mr. Daniel I. Mayne* (*Mr. Henry S. Boynton* of counsel) for CHILDS.

JACKSON, *J.*:

This is an appeal in an interference proceeding wherein the Board of Appeals of the United States Patent Office affirmed a decision of the Examiner of Interferences which awarded priority of invention of the subject matter of all of the counts, 1 to 8 inclusive, to appellee, Henry R. Childs.

The interference involves a patent to appellant, No. 2,025,568, issued December 24, 1935, upon application Serial No. 19,384, filed May 2, 1935, and an application Serial No. 69,351, filed by appellee March 17, 1936. Since appellee is the junior party and did not file his application until after appellant's patent had been issued, he has the burden of proving priority of invention beyond a reasonable doubt.

The patent of appellant is for "Article and Material Containing Organic Derivatives of Cellulose." The application of appellee claims invention in "Improvements in Cellulose Derivative Crepe Sheeting."

Appellee copied the claims constituting the counts herein from the patent of appellant for the purpose of this interference.

The invention in issue relates to sheet materials, or to foils which are very thin sheets, containing as a chief ingredient an organic derivative of cellulose, and is sufficiently described in the following illustrative counts:

1. An article of manufacture comprising a substantially permanently pleated sheet containing an organic derivative of cellulose, said pleated sheet being extensible without loss of its pleated form.

2. An article of manufacture comprising a substantially permanently pleated foil containing an organic derivative of cellulose, said sheet being less than .015 inch thick, said pleated foil being extensible without loss of its pleated form.

8. An article of manufacture comprising a substantially permanently pleated foil containing cellulose acetate and a plasticizer, the pleats being of an order less than one-half inch, said pleated foil being extensible without loss of its pleated form.

Appellant, in his preliminary statement, alleged conception of the invention, disclosure to others and reduction of it to practice in January 1934. Appellee, in his preliminary statement, alleged conception of the invention, disclosure to others and reduction of it to practice, together with the beginning of the exercise of reasonable diligence, on January 30, 1934.

During the motion period appellant moved to dissolve the interference for the alleged reason that the application of appellee does not disclose the following limitations of the counts: a permanently pleated sheet material; a sheet material extensible without loss of its pleated form; a sheet less than .015 inch thick, and a sheet material having pleats of an order of less than one-half inch. The motion was denied by the Primary Examiner.

Appellee took testimony. Appellant relied upon his filing date, but put in evidence by stipulation

several samples of pleated cellulose acetate sheet material as representative of the type of pleated sheeting claimed by him to be defined by the counts.

At the final hearing appellant again raised the question of the right of appellee to make the counts, contending that the evidence of record which was not before the Primary Examiner was such as to warrant a holding by the Examiner of Interferences contrary to that of the Primary Examiner. The Examiner of Interferences, after analyzing the testimony, stated that he saw no reason for reaching a conclusion different from that of the Primary Examiner.

On the merits of the case the Examiner of Interferences fixed no date of conception of the invention by appellee, but awarded him a date of at least as early as August 1, 1934, for reduction of the invention to practice. The Board of Appeals affirmed the decision of the Examiner of Interferences in all respects.

Appellant contends here that the disclosure of appellee does not support the counts; that appellee did not actually reduce to practice the invention defined by the counts; that the activity of appellee ended as an abandoned experiment; that appellee did not exercise due diligence during the critical period of from just prior to May 2, 1935, the filing date of appellant, to March 17, 1936, the filing date of appellee, and that appellee was apparently spurred into activity by knowledge of the entry into the field by appellant.

It is quite clear that the sheets disclosed in the involved application comprise the ingredients, the dimensions and the extensibility defined in the counts. The principal question to be decided is whether the term "pleated" appearing in the counts includes products of the type produced in accordance with appellee's application.

The sheets of appellee in evidence resemble frail, tissue-thin crepe paper. The creped characteristic is present by reason of minute wrinkles, crimps or tiny folds of the material in close, roughly parallel formation across the width of the sheet.

Appellant contends that the sheets of appellee do not respond to any of the counts for the stated reason that they are not "pleated," in that the sheets are not uniformly and regularly folded. There is nothing in the counts that specifically requires the sheets to be uniformly and regularly folded, so that if a broad construction of the term "pleated" includes the wrinkles or crimps in the sheets of appellee and the language of the count is not ambiguous his disclosure is sufficient to support the counts.

The tribunals below agreed that the term "pleated" is broad and that it includes materials of the kind disclosed in the application of appellee and as shown by his exhibits. They based their holdings upon the common meaning of the term as defined by the lexicographers. All of the standard dictionaries appear to define the terms "pleat" and "pleated" as a folding in cloth, etc., a doubling back of material upon itself, or a fold or crease or corrugation resembling such fold or folding.

As far as the counts herein are concerned, the uses of and the different methods employed in the production of the sheets of the parties are immaterial. The application of appellee discloses a sheeting product containing minute wrinkles or folds and an inspection of the exhibits concededly made by appellee in accordance with his application shows that the material is doubled back on itself in tiny, closely associated crimps, folds or wrinkles. We think that the doubling back or folds in the material come within the broad definition of pleats. It is true that the tiny folds are not exactly constant in size nor are they exactly parallel, but it seems to us, under the broad language of the counts, that these characteristics do not exclude the sheets of appellee from the broad definition of the term "pleated." We are further of the opinion that there is no ambiguity in the use of the said term in the counts. There is a great difference in the appearance, texture and body of the sheets of the parties, but the claims constituting the counts have been so broadly drawn that they include the products of both parties.

It is not contended here that the exhibits of appellee were not made on the date awarded by the tribunals below. Appellant merely contends that the said exhibits are not provided with a series of uniform, regular pleats or folds and therefore are not evidence of either conception of the invention as defined by the counts or reduction of it to practice. In the light of what has been hereinbefore stated, it is not necessary to discuss this contention. It is clear to us that appellee both conceived the involved invention and reduced it to practice at least not later than August 1, 1934, as was held below. Since we so hold, the question of diligence need not be discussed.

We find nothing in the record which tends to prove that appellee had any knowledge of the entry of appellant into the field and therefore cannot agree with the contention that appellee was apparently spurred into activity by such knowledge.

Furthermore, it cannot be held that the invention was suppressed or concealed by appellee so as to bring the case under the doctrine of *Mason* v. *Hepburn*, 13 App. D. C. 86, 84 O. G. 147. He reduced the invention to practice at least as early as August 1, 1934, and the mere delay between that period and his filing date cannot be taken as evidence of suppression or concealment.

The invention having been reduced to practice, as aforesaid, the question of abandoned experiment is necessarily eliminated from the case.

We cannot agree with the contention of appellant that the product of appellee does not possess utility as a pleated sheet. We have hereinabove held that the appellee's product is a pleated sheet as defined by the counts, and it is quite apparent that as such it possesses utility as a decorative material.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE GEISLER ET AL.

No. 4,503. Decided July 2, 1941

[121 F.(2d) 537]

REISSUE—NEW MATTER.

Where G and E filed an original application and were granted a patent describing, and claiming, a photoelectric cell having a metallic base plate upon which were separately deposited a layer of selenium, of cadmium, and of a chemically inactive metal such as gold, and after receiving their patent discovered that the same beneficial effects were attained when the cadmium and the chemically inactive metal were deposited simultaneously *Held* that in an application for the reissue of said patent G and E are not entitled to claims broad enough to cover such separate and simultaneous deposition and *Held* that nothing that G and E might say in an affidavit presented in the reissue application would take the place of a disclosure in the original application.

APPEAL from Patent Office. Affirmed.

Mr. E. D. Phinney (*Mr. R. P. Morris* and *Mr. Paul Kolisch* of counsel) for Geisler et al.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

BLAND, *J.*:

Claims 8 and 13 of appellants' application for a patent relating to a light-sensitive device were allowed by the Primary Examiner of the United States Patent Office, while claims 1 to 7, inclusive, 9, 11, and 14 were rejected. The decision of the Examiner rejecting said claims was affirmed by the Board of Appeals, and appellants have appealed here from the Board's decision.

Claim 1 is illustrative of the claims at bar and follows:

1. A light-sensitive electric device comprising a metallic base plate coated on one side with a layer of light-sensitive material relatively chemically inactive with respect to cadmium, and a light-permeable layer in contact with said light-sensitive material and consisting primarily of cadmium and a relatively chemically inactive metal of a specific conductivity higher than that of cadmium said last mentioned layer being a product of the type formed by the successive deposit of said cadmium and said relatively chemically inactive metal on said light sensitive material.

The references relied upon are: Brewer, 1,931,283, October 17, 1933; Falkenthal, 2,034,334, March 17, 1936.

The application is for the reissue of appellants' Patent No. 2,096,170, of October 19, 1937, which relates to a photoelectric or light-sensitive selenium cell. The patent describes and claims a structure in which there is deposited upon a metallic base plate, first, a layer of selenium; second, a layer of cadmium; and third, a layer of chemically inactive metal such as gold.

Appellants' instant application claims that the said patent is inoperative for the reason that the specification is defective and insufficient, and that there was a failure to claim adequately the invention therein described. Applicants state that it was discovered, after the filing of the application and the acceptance of the patent that the beneficial effects of placing the coated metals upon the base metal plate were attained regardless of whether the two last metal coats were applied separately or simultaneously. The object of the present application is to claim broadly enough to cover the same ingredients whether put upon the base plate in two or three coats.

The appealed claims were rejected upon the ground of insufficient disclosure, and some of them were rejected for the reason that they broadly call for a product "of the type" formed by the process of the patent and thus were broader than the invention. *Pick et al.* v. *Coe*, 69 App. D. C. 216, 99 F.(2d) 985, 494 O. G. 718, was cited as supporting authority. Other grounds of rejection were placed against some of the claims, such as vagueness, but it is unnecessary for us to consider any of the grounds except the inadequacy of the disclosure in the patent application.

The Examiner in his original statement said:

The claims under rejection are considered to be drawn to a different invention from those in the original patent. The discovery that a cell of good rectifying qualities and good conductivity could be accomplished by means of a single coating layer is considered to amount to invention over one requiring successive depositions. It is not seen how one could take Geisler's disclosure and say that the same result would be secured by a single layer containing the two metals. While claims of the type of claims 11 and 14 might be allowed in a new application, they cannot be allowed in a reissue case as they represent a new discovery not disclosed in the original patent; namely, that, while gold forms a combination which is deleterious when laid directly on the selenium, yet a mixture or alloy of gold and cadmium forms a cell which is comparable in result to the multiple layer cell produced by applicants' original method, yet has the advantages of cheapness and speed of production over such multiple layer cell. What applicants have invented is a process of producing a good cell by successively depositing layers of cadmium and an inactive metal, and the true nature of the article (the coating being of molecular thickness) is evidently a matter of mere conjecture. *Nelson* v. *Felsing*, 1909 C. D. 358.

To allow claims of the type now presented is to allow applicants to carry back their date of invention to the filing date of their original patent when their actual date as admitted in the reissue oath (page 3) was subsequent to the date of issuance of their patent. It is not considered that they should thus prevail over anyone making an affirmative showing of the workability of a single-layer coating, merely by claiming the product in vague terms which might read on a cell produced by either process (claims 1–7), or by claiming structure not originally contemplated by nor necessarily resulting from the disclosed process (claims 9, 11, and 14).

The Board of Appeals said in part:

The Examiner points out that claims 1 to 7 are worded in a manner that renders them apparently broader than the invention. It is found that claims 1 to 7 do not set forth a definite structure like that defined in the claims of the patent where the gold would overly the cadmium but are defined in terms as the result of a process and worded as "of the type" formed by the successive deposit on the light-sensitive material, that is, on the selenium of cadmium and gold. The Examiner holds this manner of describing the cell as being inclusive of matter not contemplated and broader than the invention—*Pick et al.* v. *Coe, Commissioner of Patents*, 494 O. G. 718; 1938 C. D. 53; 99 Fed. (2d) 985.

On consideration of the situation, we are in full agreement with the Examiner. This rule is even more strongly applicable in case of claims presented by reissue rather than directly in an original application because of possibility of intervening rights.

Further, within the scope of the present claims it is possible to produce a structure not at all contemplated or disclosed in the original case and, in effect, a different type of photosensitive cell. As the Examiner points out, it is urged in the record of the original application that the super-position of two light-permeable layers in the order named is critical in order to produce the desired characteristics.

* * * * * * *

The situation presented here is not regarded as one where claims somewhat broader than the claims of the patent but yet directed to the same subject are presented but rather one in which the present claims are of such form and worded as to be much broader than the original disclosure and to indefinitely possibly include structures entirely different from that of the patent claims.

We have examined the affidavit submitted as did the tribunals below and we see nothing which changes the situation. In other words, nothing

that appellants might now say in an affidavit takes the place of a disclosure in the application for the patent. Appellants admit that they, at the time their patent issued, did not know that one coat containing the two materials could do the same work as two separate coats. They were granted a patent on the theory that it required three coats, and now it obviously would be improper, as against possible interfering rights, to allow claims which would cover two coats when there was no teaching in the original application to that effect. We are not here concerned with the doctrine of equivalents. In view of our conclusion it is not necessary to consider the cited references.

The decision of the Board of Appeals is affirmed.

Affirmed.

Regulations for Filing Applications for Patents and Amendments in Foreign Countries Under Public 239 of the 77th Congress

(Continued from page 277)

10. *Envelope.* The petition must be accompanied by a strong, flat, unsealed envelope of sufficient size to enclose the application or amendment and all of the accompanying material. This envelope must be properly addressed to the consignee in the foreign country of destination.

11. *Informal petitions returned.* Each petition which is informal, incomplete, or not accompanied by required copies of applications, a proper affidavit or a suitable unsealed, properly addressed envelope will be returned with a check list indicating the deficiencies.

12. *License.* When the petition is countersigned by an authorized officer of the Licensing Division and impressed with the seal of the Patent Office it becomes a license.

13. *Alteration of license.* Any attempt to export any application or amendment differing in any manner from that licensed or any alteration of the license except by a duly authorized officer of the United States is punishable under appropriate acts of Congress.

14. *Licenses revocable.* All licenses are subject to revocation without notice and are not transferable.

15. *Application mailed, license presented at post office.* The application or amendment must be mailed at the designated post office within one year from the date of the license. The license must accompany the letter package containing the application or amendment and must be surrendered to the Postmaster for endorsement and forwarding to the Commissioner of Patents.

CONWAY P. COE,
Commissioner.

Approved September 22, 1941.

WAYNE C. TAYLOR,
Acting Secretary of Commerce.

Adjudicated Patents

(D. C. N. Y.) Jenkins patent, No. 1,401,156, for lawn-mower, *Held* infringed. *Moto-Mower Co.* v. *B. C. Stearns & Co.*, 39 F. Supp. 778.

(D. C. Ohio.) MacDonald patent, No. 1,913,604, for wave signaling system, claims 1, 6 and 8, *Held* not infringed. *Haseltine Corporation* v. *Crosley Corporation*, 39 F. Supp. 775.

(D. C. Ohio.) MacDonald patent, No. 2,022,514, for wave signaling system, claims 5, 22, 24 and 25, *Held* not infringed. *Id.*

(D. C. Cal.) Lensch and Leder patent, No. 2,096,119, for metal spray gun, claims 2, 3 and 4, *Held* valid but not infringed. *Lensch* v. *Metallizing Co. of America*, 39 F. Supp. 838.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,182,463, J. P. Beeston, Liquid pressure braking system for vehicles, decided September 15, 1941, claims 2, 3, and 4.

Pat. 2,215,171, J. F. Chalupa, Turbine blade manufacture, decided September 19, 1941, claims 1, 2, and 3.

Pat. 2,100,676, H. A. Trussell, Fuel system for combustion engines, decided September 22, 1941, claim 11.

Disclaimers

1,961,968.—*Charles Heddon*, Dowagiac, Mich. FISHING ROD. Patent dated June 5, 1934. Disclaimer filed September 24, 1941, by the inventor; the assignee, *James Heddon's Sons*, consenting.

Hereby enters this disclaimer to claims 1, 2, 3, 4, 5, 6, 7, and 8 in said specification.

1,961,969.—*Charles Heddon*, Dowagiac, Mich. METALLIC FISHING ROD. Patent dated June 5, 1934. Disclaimer filed September 24, 1941, by the inventor; the assignee, *James Heddon's Sons*, consenting.

Hereby enters this disclaimer to claims 6 and 7 in said specification.

1,961,970.—*Charles Heddon*, Dowagiac, Mich. METALLIC FISHING ROD. Patent dated June 5, 1934. Disclaimer filed September 24, 1941, by the inventor; the assignee, *James Heddon's Sons*, consenting.

Hereby enters this disclaimer to claims 1, 2, 3, 4, 5, and 6 in said specification.

Trade-Mark Registrations Canceled

138,500. Ice-cream. Rochester Ice Cream Company, General Ice Cream Corporation (Joined). Registered December 28, 1920. Canceled September 12, 1941.

192,192. Hair shampoo. Physical Culture Products Corporation, New York, N. Y. Registered November 25, 1924. Canceled September 12, 1941.

203,912. Radio receiving sets. Bellas Hess & Co., New York, N. Y. Registered September 29, 1925. Canceled September 19, 1941.

207,924. Putties and riding boots. Colt-Cromwell Company, New York, N. Y. Registered January 12, 1926. Canceled September 19, 1941.

288,832. Furniture polish. Midway Chemical Company, Chicago, Ill. Registered November 3, 1931. Canceled September 12, 1941.

296,345. Insecticide. The Brundage Bros. Co., Toledo, Ohio. Registered August 2, 1932. Canceled September 12, 1941.

302,553. Brandy. Cresta Blanca Company, San Francisco, Calif. Registered April 25, 1933. Canceled September 19, 1941.

305,356. Polish. Schwarz Paper Co., Lincoln, Nebr. Registered August 15, 1933. Canceled September 12, 1941.

307,278. Cereal, malt beverages. Cresta Blanca Company, San Francisco, Calif. Registered October 24, 1933. Canceled September 19, 1941.

332,327. Certain named women's clothing. Bloomingdale Bros., Inc., New York, N. Y. Registered February 11, 1936. Canceled September 12, 1941.

382,103. Dress shirts. M. H. Raab-Meyerhoff Co., Inc., Philadelphia, Pa. Registered October 15, 1940. Canceled September 19, 1941.

TRADE-MARKS

OFFICIAL GAZETTE, OCTOBER 14, 1941

[VOL. 531. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

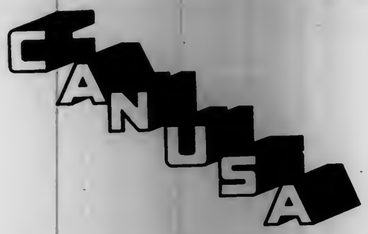
Ser. No. 443,330. IRVINGTON VARNISH & INSULATOR CO., Irvington, N. J. Filed May 7, 1941.

FIBRONIZED

FOR EXTRUDED RESINOID PLASTIC MATERIALS IN THE FORM OF TUBES, RODS, STRIPS, AND MONOFILAMENT THREADS.

Claims use since Apr. 17, 1941.

Ser. No. 443,370. PACIFIC PEAT PRODUCTS LTD., Vancouver and Lulu Island, Canada. Filed May 8, 1941.



FOR PEAT, PEAT LITTER, GROUND PEAT, PEAT PADS, AND PEAT MOSS.

Claims use since Nov. 30, 1940.

CLASS 2

RECEPTACLES

Ser. No. 446,391. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed Aug. 20, 1941.

Vita Crop

FOR BAGS MADE OF RUBBER HYDROCHLORIDE SOLD IN THE TRADE EMPTY.

Claims use since Aug. 6, 1941.

Ser. No. 446,805. THE HINDE & DAUCH PAPER COMPANY, Sandusky, Ohio. Filed Sept. 5, 1941.



FOR CORRUGATED PAPER MERCHANDISE DISPLAY STANDS IN THE NATURE OF PAPER RECEPTACLES FOR DISPLAYING MERCHANDISE.

Claims use since Apr. 1, 1931.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 420,729. STERLING SOAP COMPANY, New York, N. Y. Filed June 20, 1939.

RIM

FOR SOAP, SOAP POWDERS, SOAP FLAKES, AND SOAP GLOBULES.

Claims use since May 31, 1939.

Ser. No. 426,248. JACK O. CLEVELAND, doing business as The Cleveland Co., Austin, Texas. Filed Dec. 5, 1939.

NEET

FOR POLISHING AND CLEANING POWDER FOR WINDOWS, METAL, PORCELAIN, AND TILE, STOVE POLISH, A CLEANER FOR WHITE SHOES, A CLEANING PREPARATION FOR GLASS AND WOODWORK, AND A DRY-CLEANING PREPARATION.
Claims use since May 15, 1939.

Ser. No. 441,508. JOHN H. GLOVER, doing business as The Indianhead Manufacturing Co., St. Paul, Minn., assignor to Indian Head Corp., St. Paul, Minn., a corporation of Minnesota. Filed Mar. 13, 1941.

INDIAN HEAD

FOR GLASS CLEANER, NON-INFLAMMABLE DRY CLEANER, AND INFLAMMABLE DRY CLEANER.
Claims use since July 31, 1939.

Ser. No. 445,810. GRIPSO CO., Kittanning, Pa. Filed July 31, 1941.

D & H GRIPSO

FOR LIQUID PREPARATIONS FOR APPLICATION TO THE HANDS OF ATHLETES, USED IN PLAYING GAMES FOR EFFECTING A NON-SLIPPING HOLD ON BASE-BALLS, BOWLING-BALLS, FOOT-BALLS, TENNIS RACQUETS, GOLF CLUBS, AND SIMILAR ATHLETIC ARTICLES.
Claims use since July 10, 1941.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 422,183. PAUL H. SIMON, New York, N. Y. Filed Aug. 1, 1939.

BEAUTY GUARD

The word "Beauty" is disclaimed apart from the mark.
FOR FRESHENER ON SANITARY NAPKINS.
Claims use since July, 1938.

Ser. No. 428,719. HARRY E. ALTMAN, Long Island City, N. Y. Filed Feb. 20, 1940.

KURBRITE

FOR FLAVORING OR SPICE PREPARATION FOR USE IN CURING MEATS.
Claims use since Jan. 2, 1940.

Ser. No. 435,441. E. R. SQUIBB & SONS, New York, N. Y. Filed Aug. 27, 1940.

Microcaps

FOR CAPSULES CONTAINING POTENT THERAPEUTIC AGENTS ESPECIALLY VITAMINIC PREPARATIONS.
Claims use since Aug. 5, 1940.

Ser. No. 437,023. ALLIED BEAUTY PRODUCTS MFG. CO., Chicago, Ill. Filed Oct. 17, 1940.

Pairmé

FOR MACHINELESS CHEMICAL INSERTS FOR PERMANENT WAVING PADS.
Claims use since Sept. 16, 1940.

Ser. No. 440,017. NORTHEASTERN PRODUCTS, INC., Boston, Mass. Filed Jan. 27, 1941.

CLUB HOUSE

FOR TALCUM POWDER, AFTER SHAVING LOTIONS, HAIR DRESSINGS, AFTER SHOWER LOTIONS, AND AFTER SHOWER RUB PREPARATIONS.
Claims use since Sept. 17, 1940.

Ser. No. 442,072. NOURISHINE SALES COMPANY, Hollywood, Calif. Filed Mar. 29, 1941.

NOURISHINE

FOR PREPARATIONS FOR THE HAIR.
Claims use since June 24, 1905.

Ser. No. 443,070. MIKE CARRAS, Brooklyn, N. Y. Filed Apr. 29, 1941.

Mike Carras
MAGIC LINIMENT



The picture is that of applicant. The word "Liniment" is disclaimed apart from the mark.
FOR RUBBING LINIMENT.
Claims use since Dec. 27, 1937.

Ser. No. 443,249. GENERAL CHEMICAL COMPANY, New York, N. Y. Filed May 5, 1941.

ADOIL

FOR WETTING AGENT FOR USE IN TREATING OIL WELL WATER.
Claims use since Apr. 4, 1941.

Ser. No. 443,824. SUTTON COSMETICS, INC., New York, N. Y. Filed May 22, 1941.

Liquisilk

FOR LIPSTICKS, ROUGES, FACE POWDERS, SKIN CREAMS, PERFUMES, TOILET WATERS, SKIN LOTIONS AND HAND LOTIONS.
Claims use since Jan. 16, 1940.

Ser. No. 443,853. NORTHEASTERN PRODUCTS, INC., Boston, Mass. Filed May 23, 1941.

SWAY

FOR NAIL POLISH.
Claims use since May 2, 1941.

Ser. No. 445,411. DU-LITE CHEMICAL CORPORATION, Middletown, Conn. Filed July 17, 1941.

DU-LITE DU-LITE
STEEL COLORING PROCESS

No claim is made to the words "Steel Coloring Process" apart from the mark.
FOR SPECIALLY PREPARED CHEMICAL COMPOUND EMBODYING A COMBINATION OF NITRATES AND HYDROXIDES, AND PARTICULARLY USEFUL AS A CHEMICAL REACTOR IN A SPECIAL PROCESS FOR COLORING STEEL.
Claims use since Jan. 1, 1939.

Ser. No. 445,441. LAWRENCE M. WILLIAMS, doing business as Lawrence Laboratories, Chicago, Ill. Filed July 17, 1941.

ADIRON

FOR VITAMIN AND IRON PREPARATION FOR USE AS A DIETARY AND NUTRITIONAL SUPPLEMENT.
Claims use since March, 1939.

Ser. No. 445,512. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y. Filed July 19, 1941.

B-E-T-S

FOR VITAMIN BREAD ENRICHMENT TABLETS.
Claims use since June 10, 1941.

Ser. No. 445,543. EDWARD J. BRENNAN, doing business as Quickies Co., New York, N. Y. Filed July 22, 1941.

Quickies

FOR MEDICINAL PREPARATION FOR ACID INDIGESTION AND HEARTBURN.
Claims use since Jan. 22, 1941.

Ser. No. 445,728. SIDNEY HENRY, doing business as S. H. Hirsch, New York, N. Y. Filed July 29, 1941.

HONI SOIT QUI MAL Y PENSE

The English translation is "Shame unto him who badly thinks of it."
FOR PERFUME AND TOILET WATERS, LIPSTICK AND FACE POWDERS.
Claims use since July 2, 1941.

Ser. No. 445,857. PREMO PHARMACEUTICAL LABORATORIES, INC., New York, N. Y. Filed Aug. 1, 1941.

AZODRINE

FOR PHARMACEUTICAL PREPARATION FOR THE RELIEF OF COUGHS AND BRONCHIAL PAROXYSMS DUE TO ALLERGIC CONDITIONS.
Claims use since January, 1939.

Ser. No. 446,045. JACQUELINE COCHRAN, Roselle, N. J. Filed Aug. 7, 1941.

PURSUIT

FOR PERFUME.
Claims use since June 9, 1941.

Ser. No. 446,363. MCKESSON & ROBBINS, INC., New York, N. Y. Filed Aug. 19, 1941.

LINEX TABLETS

The word "Tablets" is disclaimed apart from the mark.
FOR VITAMIN PRODUCTS, AND PARTICULARLY A PRODUCT COMPRISING CONCENTRATES OF VITAMIN B_1, G, B_6, AND OTHER FILTRATES AND FACTORS OF THE VITAMIN B COMPLEX.
Claims use since Feb. 20, 1941

Ser. No. 446,364. MCKESSON & ROBBINS, INC., New York, N. Y. Filed Aug. 19, 1941.

Litex

FOR VITAMIN PRODUCTS, AND PARTICULARLY A PRODUCT COMPRISING CONCENTRATES OF VITAMINS B_1, G, B_6, AND OTHER FILTRATES AND FACTORS OF THE VITAMIN B COMPLEX.
Claims use since Feb. 20, 1941.

Ser. No. 446,365. MCKESSON & ROBBINS, INC., New York, N. Y. Filed Aug. 19, 1941.

LYNEX

FOR VITAMIN PRODUCTS, AND PARTICULARLY A PRODUCT COMPRISING CONCENTRATES OF VITAMINS B_1, G, B_6, AND OTHER FILTRATES AND FACTORS OF THE VITAMIN B COMPLEX.
Claims use since Aug. 11, 1941.

Ser. No. 446,367. MCKESSON & ROBBINS, INC., New York, N. Y. Filed Aug. 19, 1941.

VIPLEX

FOR VITAMIN PRODUCTS, AND PARTICULARLY A PRODUCT COMPRISING CONCENTRATES OF VITAMIN B_1, G, B_6, AND OTHER FILTRATES AND FACTORS OF THE VITAMIN B COMPLEX.
Claims use since Feb. 20, 1941.

Ser. No. 446,390. POND'S EXTRACT COMPANY, New York, N. Y. Filed Aug. 20, 1941.

D

FOR SKIN CREAM.
Claims use since Aug. 1, 1941.

Ser. No. 446,527. PUBLIC GAS CO., Miami, Fla. Filed Aug. 25, 1941.

KILOFLAME

FOR GAS FOR HOUSEHOLD PURPOSES.
Claims use since Nov. 1, 1940.

Ser. No. 446,543. GENERAL CHEMICAL COMPANY, New York, N. Y. Filed Aug. 26, 1941.

ORNATOX

FOR INSECTICIDES AND FUNGICIDES.
Claims use since July 21, 1941.

Ser. No. 446,581. PERCY L. MCLAIN, Needles, Calif. Filed Aug. 27, 1941.

BRAKOL

FOR MEDICINAL AGENT FOR COUGHS, BRONCHIAL IRRITATIONS, AND CONGESTIONS DUE TO COLDS.
Claims use since November, 1925.

Ser. No. 446,632. SIGMUND POLLACK, Washington, D. C. Filed Aug. 28, 1941.



FOR PREPARATIONS CONTAINING SULFUR IN A DISSOLVED FORM, TO BE TAKEN INTERNALLY AS A MEDICINE, OR USED EXTERNALLY AS A SULFUR BATH IN THE TREATMENT OF RHEUMATISM, OBESITY, SCIATICA, LUMBAGO, ACNE, SKIN ERUPTIONS, CATARRH, HAY-FEVER, ECZEMA, AND NEURITIS.
Claims use since July 1, 1922.

Ser. No. 446,649. LILLY DACHE, INC., New York, N. Y. Filed Aug. 29, 1941.

DARING

FOR FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, POWDER COMPACTS, LIPSTICKS, SACHET POWDERS, FACE CREAMS, BATH SALTS, TALCUM POWDERS, ROUGES.
Claims use since Aug. 21, 1941.

Ser. No. 446,705. FRANK NAU, Portland, Oreg. Filed Aug. 30, 1941.

COLDIP

FOR STERILIZING OR BACTERICIDAL AGENT FOR USE AS CLEANSER OF SURGICAL INSTRUMENTS.
Claims use since January, 1941.

Ser. No. 446,709. STUART-CHASE CO., North Bergen, N. J. Filed Aug. 30, 1941.

FAINTEX

FOR SMELLING SALTS AND FOR CLOTH COVERED FRIABLE GLASS AMPOULES, THE VAPOURS OF WHICH, WHEN INHALED, HAVE THE SAME EFFECT AS SMELLING SALTS.
Claims use since Apr. 3, 1940.

Ser. No. 446,730. CALIFORNIA SPRAY-CHEMICAL CORPORATION, Wilmington, Del., and Richmond, Calif. Filed Sept. 2, 1941.

VAPO-COP

FOR PARASITICIDES.
Claims use since Aug. 11, 1941.

Ser. No. 446,800. FREDERICK STEARNS & COMPANY, Detroit, Mich. Filed Sept. 5, 1941.

SUPREL

FOR VITAMIN PREPARATION.
Claims use since Aug. 28, 1941.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 445,809. GENERAL PRINTING INK CORPORATION, New York, N. Y. Filed July 31, 1941.

ANILINK

FOR PRINTING INK.
Claims use since Apr. 7, 1941.

Ser. No. 446,182. ROYAL TYPEWRITER COMPANY, INC., New York, N. Y. Filed Aug. 12, 1941.

PARK AVENUE

FOR INKING RIBBONS AND CARBON PAPER.
Claims use since Sept. 13, 1940, on inking ribbons; and since October, 1940, on carbon paper.

Ser. No. 446,184. ROYAL TYPEWRITER COMPANY, INC., New York, N. Y. Filed Aug. 12, 1941.

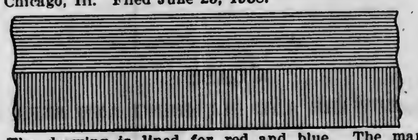
VULCAN

FOR INKING RIBBONS AND CARBON PAPER.
Claims use since January, 1937.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 407,924. UNITED STATES GYPSUM COMPANY, Chicago, Ill. Filed June 25, 1938.



The drawing is lined for red and blue. The mark consists of red and blue bands or stripes extending across the goods.
FOR ROOF-COVERING MATERIALS — NAMELY, ARTIFICIAL SHINGLES.
Claims use since June, 1931.

Ser. No. 445,824. PLASTERGON WALL BOARD COMPANY, Buffalo, N. Y. Filed July 31, 1941.

AIRBAR

FOR INSULATION WALL BOARD.
Claims use since July 26, 1941.

Ser. No. 445,825. PLASTERCOON WALL BOARD COMPANY, Buffalo, N. Y. Filed July 31, 1941.

BUDGETAIRE

FOR INSULATION WALL BOARD.
Claims use since July 26, 1941.

Ser. No. 445,892. THE M. B. FARRIN LUMBER CO., Cincinnati, Ohio. Filed Aug. 2, 1941.

HOMOAK

FOR FACTORY FINISHED WOOD FLOORING.
Claims use since July 20, 1940.

Ser. No. 446,092. UNITED BUILDING CONSTRUCTION CO., Chicago, Ill. Filed Aug. 8, 1941.

"YUNITE"

FOR POINTING MORTAR.
Claims use since Nov. 1, 1939.

Ser. No. 446,093. U. S. TAR PRODUCTS, INC., Matawan, N. J. Filed Aug. 8, 1941.

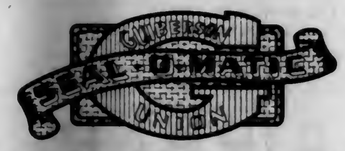


The word "Seal" is disclaimed apart from the mark.
FOR ASPHALT SEALING MATERIAL FOR BURIAL VAULTS AND THE LIKE.
Claims use since July 28, 1941.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 442,902. THE GUIBERSON CORPORATION, Dallas, Tex. Filed Apr. 24, 1941.



The word "Union" is disclaimed apart from the mark.
FOR PIPE UNIONS.
Claims use since Feb. 22, 1941.

Ser. No. 445,568. THE WESTINGHOUSE AIR BRAKE COMPANY, Wilmerding, Pa. Filed July 22, 1941.

Savair

FOR FLUID PRESSURE CONTROL VALVES, CUT-OUT COCKS, DIAPHRAGM COCKS, THREE-WAY COCKS, AND FOUR-WAY COCKS.
Claims use since May 22, 1941.

Ser. No. 445,699. RICHARDS, BOGGS & KING, INC., Chicago, Ill. Filed July 28, 1941.

Byrene

FOR SHOWER CURTAINS.
Claims use since July 1, 1941.

CLASS 15

OILS AND GREASES

Ser. No. 445,709. THE AMERICAN OIL COMPANY, Baltimore, Md. Filed July 29, 1941.

AMOCO PERMA DIESEL

No claim is made to the word "Diesel" apart from the mark.
FOR LUBRICATING OILS AND GREASES, FLUSHING OIL, AND FUEL OIL.
Claims use since May 30, 1941.

Ser. No. 446,312. BAYOU STATE OIL CORPORATION, Shreveport, La. Filed Aug. 18, 1941.

Bio-dzl

The word "DZL" is not claimed apart from the mark.
FOR LUBRICATING OIL FOR DIESEL ENGINES.
Claims use since Aug. 20, 1940.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 441,333. THORMAC CHEMICAL COMPANY, INC., New York, N. Y. Filed Mar. 7, 1941.

THORMAC

FOR COATINGS IN THE NATURE OF PAINT AND ENAMEL COATINGS, FOR METAL, WOOD, PAPER SUBSTANCES, AND THE LIKE SUBSTANCES.
Claims use since May 22, 1940.

Ser. No. 442,709. INDUSTRIAL CHEMICAL PRODUCTS COMPANY, Detroit, Mich. Filed Apr. 18, 1941.

SEPCOTE

FOR PASTE-LIKE MIXTURE OR COATING TO BE APPLIED TO THE EXPOSED SURFACES OF PAINT SPRAY ROOMS TO PREVENT THE EXCESS SPRAY OF PAINT FROM ADHERING DIRECTLY TO SAID SURFACES.
Claims use since January, 1940.

Ser. No. 445,978. THE H. B. DAVIS COMPANY, Baltimore, Md. Filed Aug. 5, 1941.

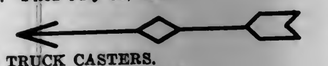
FREE STATE

FOR PAINTS (READY MIXED OR LIQUID, PASTE FORM AND DRY), PAINT ENAMELS, JAPANS, VARNISHES, STAINS AND FILLERS.
Claims use since July 29, 1941.

CLASS 19

VEHICLES, NOT INCLUDING ENGINES

Ser. No. 445,769. THE BASSICK COMPANY, Bridgeport, Conn. Filed July 30, 1941.



FOR TRUCK CASTERS.
Claims use since Nov. 1, 1931.

Ser. No. 445,770. THE BASSICK COMPANY, Bridgeport, Conn. Filed July 30, 1941.

DIAMOND ARROW

FOR TRUCK CASTERS.
Claims use since Nov. 1, 1931.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 443,334. HERMAN B. LAYMON, doing business as World's Products Company, Spencer, Ind. Filed May 7, 1941.

TWENTY GRAND



FOR FLASHLIGHT BATTERIES.
Claims use since Apr. 2, 1941.

Ser. No. 445,402. ACRO ELECTRIC COMPANY, Cleveland, Ohio. Filed July 17, 1941.

Acro Snap

Applicant disclaims the word "Snap" except in combination with the word "Acro."
FOR ELECTRICAL SWITCHES.
Claims use since June 1, 1941.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 444,596. CECIL COLEMAN, doing business as Cecil Coleman & Company, Portchester, N. Y. Filed June 17, 1941.

JACK FROST

FOR TOY GROCERY STORES, SNAPPERS, SOUVENIR TABLE FAVORS OF THE JACK HORNER VARIETY AND SIMILAR SOUVENIR TABLE FAVORS.
Claims use since Apr. 18, 1941.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 435,831. THE CAPEWELL MANUFACTURING COMPANY, Hartford, Conn. Filed Sept. 10, 1940. Under section 5b of the act of 1905, as amended in 1920.

CAPEWELL

Applicant is owner of Reg. Ct. #51,221 issued Apr. 10, 1906, under the 10-year proviso and renewed, and is owner of registration #367,020 and #367,872.
FOR HACK SAW BLADES.
Claims use since Sept. 3, 1940.

Ser. No. 443,996. THE CITY ENGINEERING COMPANY. Dayton, Ohio. Filed May 28, 1941.

CECO

FOR SCREW MACHINES, DIES AND JIGS.
Claims use since May 22, 1941.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 443,850. NEPTUNE METER COMPANY, New York, N. Y. Filed May 23, 1941.



FOR LIQUID METERS, INDICATING DIALS AND REGISTERS FOR USE THEREWITH, SELF-MEASURING AND INDICATING LIQUID DISPENSING PUMPS AND INDICATORS DESIGNED FOR USE WITH SUCH PUMPS.
Claims use since Jan. 1, 1931.

Ser. No. 445,299. REPUBLIC FLOW METERS COMPANY, Chicago, Ill. Filed July 12, 1941.

REPUBLIC

FOR FLUID FLOWMETERS, RING-BALANCE METERS, CHART TYPE RECORDERS FOR RECORDING FLUID FLOW, PRESSURE, TEMPERATURE, FURNACE DRAFT, FLUID LEVELS AND PERCENTAGE OF CO_2, PANEL ASSEMBLIES OF METERS AND RECORDERS, CHARTS FOR USE ON RECORDERS AND INTEGRATORS.
Claims use since September, 1930.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 440,751. MOHAWK BRUSH COMPANY, Albany, N. Y. Filed Feb. 18, 1941.

MOHAWK

FOR HAIR BRUSHES, MILITARY BRUSHES, CLOTHES BRUSHES, BATH BRUSHES, NAIL BRUSHES, HAND SCRUB BRUSHES, COMPLEXION BRUSHES, AND SHAMPOO BRUSHES.
Claims use since 1905.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 443,968. ADVANCE AUTO BODY WORKS, Los Angeles, Calif. Filed May 27, 1941.

EconoCold

The word "Cold" is disclaimed apart from the mark.
FOR MECHANICALLY OPERATED REFRIGERATING UNITS FOR TRUCKS.
Claims use since June 1, 1940.

Ser. No. 444,195. MELCHIOR, ARMSTRONG, DESSAU CO. OF DELAWARE, INC., Ridgefield, N. J. Filed June 4, 1941.

MELCO

FOR COMMERCIAL REFRIGERATION EQUIPMENT—NAMELY, FAN AND BLOWER TYPE COOLING UNITS, CEILING AND WALL MOUNTED, CONTAINING AN ELECTRIC MOTOR AS WELL AS A FAN; GRAVITY TYPE FIN COILS, ICE CUBE MAKERS; EVAPORATORS FOR REFRIGERATION EQUIPMENT IN REACH-IN CABINETS, OVERHEAD BUNKERS, AND THE LIKE; REFRIGERATOR EVAPORATIVE CONDENSERS.
Claims use since May 1, 1941.

CLASS 33

GLASSWARE

Ser. No. 446,049. IMPERIAL GLASS CORPORATION, Bellaire, Ohio. Filed Aug. 7, 1941.

ETIQUETTE

FOR GLASSWARE FOR TABLE PURPOSES, INCLUDING STEMWARE, GOBLETS, TUMBLERS, AND WINE, CORDIAL, AND COCKTAIL GLASSES.
Claims use since July 24, 1941.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 409,294. CENTURY ENGINEERING CORPORATION, Cedar Rapids, Iowa. Filed Aug. 6, 1938.

CENTURY

FOR AIR FILTERS, AIR WASHERS, BLOWER UNITS, AND HUMIDIFIERS.
Claims use since May 6, 1935, on air filters, air washers, and blower units; and since Feb. 12, 1934, on humidifiers.

Ser. No. 437,958. ELGIN ROWLAND PARKER, doing business as Southern Water Heater Company, Compton, Calif. Filed Nov. 16, 1940.

FAMOUS
Quality
* * *

The word "Quality" is disclaimed apart from the mark.
FOR AUTOMATIC STORAGE GAS WATER HEATERS.
Claims use since May 5, 1938.

Ser. No. 445,804. EARL H. COLLICUTT, New York, N. Y. Filed July 31, 1941.

Centrifuser

FOR AIR MIXERS FOR VENTILATING SYSTEMS.
Claims use since July 18, 1940.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NON-METALLIC TIRES

Ser. No. 446,223. STRATTON & TERSTEGGE COMPANY, INCORPORATED, Louisville, Ky. Filed Aug. 13, 1941.

Whirl-a-Way

FOR RUBBER TIRES.
Claims use since July 11, 1941.

Ser. No. 446,693. THE DRESCO CO., INC., East Weymouth, Mass. Filed Aug. 30, 1941.

Dresco

FOR BELTING.
Claims use since Oct. 5, 1932.

CLASS 37

PAPER AND STATIONERY

Ser. No. 443,412. CHARLES E. FLEMING, Chicago, Ill. Filed May 9, 1941.

SERVIS-AIDE

The word "Servis" is disclaimed apart from the mark.
FOR DIARIES.
Claims use since May 1, 1941.

Ser. No. 444,558. ARVEY CORPORATION, Chicago, Ill. Filed June 16, 1941.

Sectionettes

FOR ADJUSTABLE AND COLLAPSIBLE CARDBOARD DRAWER PARTITIONS.
Claims use since June 3, 1941.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 444,537. MADE IN AMERICA FOUNDATION, INC., New York, N. Y. Filed June 14, 1941.

MADE IN AMERICA
MONTHLY

Applicant disclaims the words "America" and "Monthly" except as shown.
FOR MONTHLY MAGAZINE.
Claims use since Mar. 1, 1941.

Ser. No. 444,594. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed June 17, 1941.

Out of the Fashion Pan

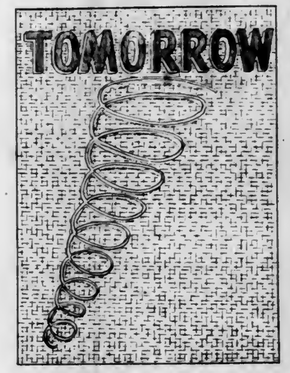
FOR SYNDICATED FASHION FEATURE COLUMN ISSUED PERIODICALLY.
Claims use since June 13, 1941.

Ser. No. 446,063. NEW YORK EVENING JOURNAL, INC., New York, N. Y. Filed Aug. 7, 1941.

Lazy Shoppers!

FOR NEWSPAPER SECTION.
Claims use since Aug. 7, 1939.

Ser. No. 446,100. CREATIVE AGE PRESS INC., New York, N. Y. Filed Aug. 9, 1941.



The drawing is lined for yellow and blue.
FOR PERIODICAL PUBLISHED MONTHLY.
Claims use since July 14, 1941.

Ser. No. 446,293. JAM SESSION, INC., New York, N. Y. Filed Aug. 16, 1941.

JAM SION

FOR PERIODICAL PUBLICATION.
Claims use since Aug. 13, 1941.

CLASS 39

CLOTHING

Ser. No. 440,585. JAMES A. FIKANY, Rochester, N. Y. Filed Feb. 12, 1941.



The portrait is that of the applicant. No claim is made to the words "Adjustable Arch Shoe" except as shown.
FOR SHOES, PARTICULARLY WOMEN'S SHOES MADE OF LEATHER, OR OF LEATHER AND FABRIC.
Claims use since January, 1937.

Ser. No. 442,297. THE ARTISTIC NECKWEAR MFG. CO., Baltimore, Md. Filed Apr. 5, 1941.



No claim is made to the words "The Tie That Can Take It" and the pictorial illustration of the necktie apart from the mark shown.
FOR NECKTIES.
Claims use since Feb. 21, 1941.

Ser. No. 442,833. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y. Filed Apr. 22, 1941.

Kodak

FOR RUBBER GLOVES AND RUBBER APRONS.
Claims use since Oct. 25, 1940.

Ser. No. 444,787. BLOOMINGDALE BROS., INC., New York, N. Y. Filed June 24, 1941.

B match-ups

The term "Match-Ups" is disclaimed except as shown.
FOR WOMEN'S, MISSES', AND CHILDREN'S HATS, COATS, SUITS, DRESSES, SWEATERS, BLOUSES, OUTER SKIRTS; SHOES MADE OF LEATHER, FABRIC, RUBBER, AND COMBINATIONS THEREOF; AND LEATHER AND FABRIC GLOVES.
Claims use since May 13, 1941.

Ser. No. 444,963. CONNOLLY SHOE CO., Stillwater, Minn. Filed June 30, 1941.



The phrases "Styled by Connolly" and "Fits the Natural Contour of Your Foot" are disclaimed except as shown.
FOR MEN'S LEATHER SHOES.
Claims use since May 9, 1941.

Ser. No. 445,630. ELDER MANUFACTURING COMPANY, St. Louis, Mo. Filed July 25, 1941.

Elderado

FOR WEARING APPAREL FOR MEN AND BOYS—NAMELY, SLACKS, PANTS, SLACK SUITS, ENSEMBLE SUITS COMPRISING COMPANION SHIRTS AND SLACKS, AND DRESS, NEGLIGEE, AND SPORT SHIRTS.
Claims use on dress, negligee, and sport shirts since Sept. 1, 1936; and on slacks, pants, slack suits, and ensemble suits since Sept. 1, 1938.

Ser. No. 445,639. BEN PICKARD, Chicago, Ill. Filed July 25, 1941.

GOLD COAST

FOR HAIR WAVE NETS.
Claims use since December, 1940.

Ser. No. 445,763. VANITY FAIR SILK MILLS, Reading, Pa. Filed July 29, 1941.

NYLOFAIR

FOR MEN'S, WOMEN'S, AND CHILDREN'S UNDERWEAR; MEN'S, WOMEN'S, AND CHILDREN'S SLEEPING GARMENTS—NAMELY, NIGHTGOWNS, PAJAMAS, BED JACKETS, AND NIGHT CAPS; AND HOUSECOATS, BATHROBES, NEGLIGEES, AND HOSIERY.
Claims use since July 3, 1941.

Ser. No. 445,827. RICHARDS, BOGGS & KING, INC., Chicago, Ill. Filed July 31, 1941.

Byrene

FOR RAINCOATS, RAIN CAPES, COMBINED RAIN CAPES AND HOODS, RAIN HATS, RAIN SKIRTS, AND SHOWER CAPS.
Claims use since July 15, 1941.

Ser. No. 445,863. SUN VALLEY TOGS, INC., New York, N. Y. Filed Aug. 1, 1941.

"Little Miss Echo"

FOR CHILDREN'S SKIRTS, DRESSES, SNOW SUITS, PLAY SUITS, AND PARTY FROCKS.
Claims use since January, 1941.

Ser. No. 446,003. THE NOLDE AND HORST COMPANY, Reading, Pa. Filed Aug. 5, 1941.

VEILON

FOR LADIES' HOSIERY.
Claims use since May 27, 1941.

Ser. No. 446,021. NEWTON DOWNS, LTD., New York, N. Y. Filed Aug. 6, 1941.

Newton Downs

The word "Newton" is disclaimed except as shown.
FOR RAINWEAR FOR MEN AND WOMEN—I. E., COATS OF WATER REPELLENT TEXTILE FABRICS.
Claims use since December, 1940.

Ser. No. 446,221. BORIS SMOLER & SONS, Chicago, Ill. Filed Aug. 13, 1941.

Fashionately Yours

FOR WOMEN'S FROCKS, DRESSES, SLACKS, BLOUSES, HOUSE COATS, SKIRTS, AND JACKETS.
Claims use since May 19, 1941.

Ser. No. 446,233. HAT CORPORATION OF AMERICA, Norwalk, Conn. Filed Aug. 14, 1941.

BLENDIX

FOR HATS FOR MEN.
Claims use since Aug. 5, 1941.

Ser. No. 446,280. THE SCHOLL MFG. CO., INC., Chicago, Ill. Filed Aug. 15, 1941.

EXTENDORS

FOR EXTENSIONS FOR LOW SHOE UPPERS TO PREVENT HEEL SLIPPING.
Claims use since June 25, 1941.

Ser. No. 446,296. LEEDS LTD. COATS, INC., New York, N. Y. Filed Aug. 16, 1941.

DOUBLE ENTRY

FOR WOMEN'S, MISSES', AND JUNIORS' COATS, SUITS, JACKETS, CAPES, SKIRTS, COAT AND SUIT ENSEMBLES, AND SUIT AND CAPE ENSEMBLES.
Claims use since May 1, 1940.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 445,733. SIDNEY HENRY, doing business as S. H. Hirsch, New York, N. Y. Filed July 29, 1941.

TIDY LOCKS

FOR NON-ELECTRICAL HAIR CURLERS.
Claims use since July 2, 1941.

Ser. No. 445,792. HAMILTON C. BATES, Chester, Conn. Filed July 31, 1941.

AIRLUME

FOR KNITTING NEEDLES FOR HAND USE.
Claims use since May 26, 1941.

Ser. No. 445,793. HAMILTON C. BATES, Chester, Conn. Filed July 31, 1941.

FEATHERLUME

FOR KNITTING NEEDLES FOR HAND USE.
Claims use since May 26, 1941.

Ser. No. 445,794. HAMILTON C. BATES, Chester, Conn. Filed July 31, 1941.

LIGHTALUME

FOR KNITTING NEEDLES FOR HAND USE.
Claims use since May 26, 1941.

Ser. No. 445,795. HAMILTON C. BATES, Chester, Conn. Filed July 31, 1941.

LUMILITE

FOR KNITTING NEEDLES FOR HAND USE.
Claims use since May 26, 1941.

Ser. No. 445,796. HAMILTON C. BATES, Chester, Conn. Filed July 31, 1941.

MIRALUME

FOR KNITTING NEEDLES FOR HAND USE.
Claims use since May 26, 1941.

Ser. No. 445,797. HAMILTON C. BATES, Chester, Conn. Filed July 31, 1941.

SILVALITE

FOR KNITTING NEEDLES FOR HAND USE.
Claims use since May 26, 1941.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 440,930. FIFTH CARPET COMPANY, New York, N. Y. Filed Feb. 24, 1941.



Pompadour

The portrait is fanciful.
FOR CARPETS AND RUGS.
Claims use since July 1, 1940.

Ser. No. 442,651. DARLING BABY PRODUCTS CORP., New York, N. Y. Filed Apr. 17, 1941.



The drawing is lined for blue and pink. The representation of the baby is fanciful. The words "Products" and "Best for the Best Babies" are disclaimed apart from the mark.
FOR TOWEL SETS, PILLOWS, SHEETS AND PILLOW CASES, WASH CLOTHS, CRIB COVERS, STOCKINETTE SHEETS, MOSQUITO NETTING, QUILTED PADS, CRIB SHEETS, QUILTS AND QUILT SETS, BLANKETS, MATTRESS COVERS, QUILT COVERS, CHENILLE SPREADS, AND CHAIR RINGS.
Claims use since Jan. 1, 1920.

Ser. No. 445,526. R. H. MACY & CO., INC., New York, N. Y. Filed July 21, 1941.

AMERICAN REGIONALS

The word "American" is disclaimed apart from the mark.
FOR WOOLEN AND COTTON PIECE GOODS.
Claims use since July 1, 1941.

Ser. No. 446,415. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Aug. 21, 1941.

SHANLANESE

FOR PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES.
Claims use since Aug. 18, 1941.

Ser. No. 446,502. MARVLO FABRICS, INC., New York, N. Y. Filed Aug. 23, 1941.

COWTOW

FOR PIECE GOODS OF WOOL, COTTON, LINEN, ARTIFICIAL AND NATURAL SILK GOODS AND SYNTHETIC (RAYON AND ACETATE) TEXTILE FABRICS, PLAIN, COLORED, AND PRINTED.
Claims use since June 20, 1941.

CLASS 43

THREAD AND YARN

Ser. No. 446,349. BELDING HEMINWAY COMPANY, New York, N. Y. Filed Aug. 19, 1941.



FOR SPOOL AND SKEIN SILK, THREADS OF SILK, COTTON, RAYON, AND OTHER SYNTHETIC FIBERS.
Claims use on spool and skein silk and threads of silk and cotton since 1855, and on rayon and other synthetic fibers since 1922.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 445,879. CASCELLA SPRINGS CO., Three Rivers, Mass. Filed Aug. 2, 1941.

Praise

FOR NONALCOHOLIC MALTLESS BEVERAGES.
Claims use since July 23, 1941.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 431,797. JACOB P. FRIEDMAN, New York, N. Y. Filed May 9, 1940.

FRIEDMAN'S ESTHERDALE'S

No claim is made to the name "Friedman's" except as shown.
FOR BUTTER.
Claims use since Jan. 15, 1920.

Ser. No. 433,086. BIRELEY'S INC., doing business as Bireley's Orangeade Co., Hollywood, Calif. Filed June 17, 1940.



FOR FOOD DRINKS AND PRODUCTS FOR USE IN MAKING THE SAME—NAMELY, TOMATO COCKTAIL, GRAPEFRUIT JUICE, CONCENTRATED TOMATO JUICE (TOMATO PASTE) AND CONCENTRATED GRAPEFRUIT JUICE.
Claims use since Mar. 11, 1939.

Ser. No. 437,321. DAVID PENDER GROCERY COMPANY, Norfolk, Va. Filed Oct. 26, 1940.



FOR CRACKER MEAL.
Claims use since January, 1937.

Ser. No. 441,152. L. L. BAUMGARTNER, doing business as Litchfield Hatcheries, Litchfield, Minn. Filed Mar. 3, 1941.



FOR BABY CHICKS, BABY TURKEYS, AND POULTRY FEEDS.
Claims use since Sept. 15, 1928.

Ser. No. 444,133. BICKERS COFFEE COMPANY, INC., Clarksburg, W. Va. Filed June 3, 1941.

JEFFERSON PARK

The applicant herein is the owner of trade-mark registration No. 244,729, dated July 24, 1928. The word "Jefferson" is disclaimed apart from the mark.
FOR COFFEE.
Claims use since Dec. 22, 1927.

Ser. No. 444,305. WILLIAM B. LUPTON, doing business as Lupton's Ice Cream Co., Camas, Wash. Filed June 7, 1941.



The words "Lupton's Camas Wash." are disclaimed apart from the mark.
FOR ICE CREAM AND ICE CREAM CONFECTIONS, CANDY, FRUIT PRESERVES, AND SUNDAE TOPPINGS.
Claims use since Apr. 3, 1937.

Ser. No. 444,780. BRUNSWIG DRUG CO., Los Angeles, Calif. Filed June 24, 1941.

Royal Emblem



FOR MALTED MILK, MARASCHINO CHERRIES, CRUSHED STRAWBERRIES, CHOCOLATE SYRUP FOR FOOD PURPOSES, MARSHMALLOW SUNDAE TOPPING, CHOCOLATE COLD FUDGE TOPPING, VANILLA AND FRUIT FLAVORED BASES FOR FOOD FLAVORING PURPOSES, AND FRUIT FLAVORED SYRUPS FOR FOOD PURPOSES.
Claims use since June 17, 1941.

Ser. No. 444,942. OLD DUTCH MUSTARD COMPANY, INC., Brooklyn, N. Y. Filed June 28, 1941.



Applicant is the present owner of the trade-mark registration No. 288,372 of Oct. 27, 1931. The representation of the label and all wording are disclaimed apart from the mark.
FOR MUSTARD.
Claims use since Apr. 1, 1941.

Ser. No. 445,099. MUTUAL CITRUS PRODUCTS CO., INC., Anaheim, Calif. Filed July 5, 1941.



FOR CANDY.
Claims use since May 16, 1941.

Ser. No. 445,409. ROY K. MIURA, Sacramento, Calif. Filed July 19, 1941.

TAME DONKEY

FOR FRESH VEGETABLES.
Claims use since July 7, 1939.

Ser. No. 445,542. BLUE MOON FOODS, INC., Thorp, Wis. Filed July 22, 1941.

CAVEAU-ROQ

The word "Caveau" is disclaimed apart from the mark.
FOR CHEESE SPREAD.
Claims use since July 3, 1941.

Ser. No. 445,594. VAL VITA FOOD PRODUCTS, INC., Fullerton, Calif. Filed July 23, 1941.

BIMBA

FOR CANNED FRUITS AND CANNED VEGETABLES, CANNED TOMATO PASTE, CANNED TOMATO JUICE, CANNED ITALIAN STYLE TOMATOES, CANNED SOUP, CANNED PORK AND BEANS, CANNED COOKED DRY PEAS, CANNED FISH, CANNED CITRUS FRUIT JUICE FOR FOOD PURPOSES.
Claims use since July 11, 1941.

Ser. No. 445,722. GENERAL PACKING CORPORATION, doing business as Jumbo Sales Co., New York, N. Y. Filed July 29, 1941.

JUMBO



FOR DOG AND CAT FOOD.
Claims use since Sept. 15, 1935.

Ser. No. 446,192. CORN PRODUCTS REFINING COMPANY, New York, N. Y. Filed Aug. 13, 1941.

KRE-MEL

Applicant is the owner of registrations 240,874 and 360,977.
FOR PUDDING POWDER, PIE FILLING, AND A PREPARATION FOR FROSTINGS, FUDGE, SAUCES, AND ICE CREAM.
Claims use since Oct. 20, 1927, on pudding powder and pie filling; and since Jan. 27, 1938, on a preparation for frostings, fudge, sauces, and ice cream.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 444,623. THE WEST END BREWING COMPANY, Utica, N. Y. Filed June 17, 1941.



No claim is made to the terms "Old English Ale" apart from the mark.
FOR BEER AND ALE.
Claims use since Apr. 15, 1941.

Ser. No. 446,012. LOUIS ZIEGLER BREWING CO., Beaver Dam, Wis. Filed Aug. 5, 1941.

KOZY

FOR FERMENTED BEVERAGES MADE OF MALT, HOPS, SUGAR, AND ADDED FLAVORING.
Claims use since July 14, 1941.

Ser. No. 446,232. THE GREATER NEW YORK BREWERY INC., New York, N. Y. Filed Aug. 14, 1941.

VX

FOR BEER AND ALE.
Claims use since July 24, 1941.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 440,503. GEVAERT PHOTO-PRODUCTEN, NAAMLOOZE VENNOOTSCHAP (PHOTO-PRODUITS GEVAERT, SOCIETE ANONYME), Oude-God, Belgium. Filed Feb. 10, 1941.

ANTISOL

FOR TRANSPARENT COLOURLESS OR COLOURED CELLULOID OR OTHER TRANSPARENT SUBSTANCE IN THE NATURE OF CELLULOSIC SHEETS, USED AS PROTECTION AGAINST DETRIMENTAL EFFECTS OF SUNRAYS UPON COLOURS, FABRICS, AND THE LIKE.
Claims use since Oct. 8, 1940.

Ser. No. 443,256. LOST ARTICLES RECOVERY SERVICE, INC., New York, N. Y. Filed May 5, 1941.



The words "Lost Articles Recovery Service," "Registered Number", "Tag", and "New York City" are disclaimed apart from the mark as shown.
FOR MATERIAL COMPRISING A PACKAGE WHICH CONTAINS AN IDENTIFICATION TAG REMOVABLY SECURED TO A POSTAL RETURN CARD, INSTRUCTIONS PRINTED ON THE AFORESAID CARD, AND AN ASSORTMENT OF NAILS AND BRADS FOR SECURING SAID IDENTIFICATION TAG ON ARTICLES SUBJECT TO LOSS DURING TRANSPORTATION.
Claims use since February 19, 1941.

Ser. No. 444,876. METAKLOTH COMPANY, Lodi, N. J. Filed June 26, 1941.

PEARL "B"

No claim is made to the word "Pearl" apart from the mark as shown in the drawing.
FOR WATERPROOF KNITTED, NETTED AND WOVEN TEXTILE FABRICS, NAMELY, DUCKS, TWILLS, DRILLS AND CHAIN CLOTHS.
Claims use since October 9, 1935.

Ser. No. 444,877. METAKLOTH COMPANY, Lodi, N. J. Filed June 26, 1941.

METAKLOTH

FOR MILDEW PROOF AND ROT PROOF ARMY SHELTER TENTS, FILLED DUCKS, CHAIN CLOTHS, TWILLS AND DRILLS, AS WELL AS COTTON, JUTE AND FLAX FABRICS.
Claims use since June 14, 1916.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

OCTOBER 14, 1941

390,913. ROTATABLY DRIVEN REGISTERS FOR RECORDING ON A MOVABLE WEB FROM ELECTRICAL IMPULSES, MORE PARTICULARLY FOR USE IN SIGNALING SYSTEMS. PAUL P. HORNI, New York, N. Y.
Filed June 20, 1938. Serial No. 407,672. PUBLISHED AUGUST 5, 1941. Class 21.

390,914. ROTATABLY DRIVEN REGISTERS FOR RECORDING ON A MOVABLE WEB FROM ELECTRICAL IMPULSES, MORE PARTICULARLY FOR USE IN SIGNALING SYSTEMS. PAUL P. HORNI, New York, N. Y.
Filed June 20, 1938. Serial No. 407,673. PUBLISHED AUGUST 5, 1941. Class 21.

390,915. UNFILLED VANITY CASES AND COMPACTS NOT MADE OF PRECIOUS METAL. REX PRODUCTS CORPORATION, New York, N. Y.
Filed February 27, 1939. Serial No. 416,480. PUBLISHED AUGUST 5, 1941. Class 2.

390,916. LATEX ADHESIVES AND A LATEX ADHESIVE AND A DISPERSION FLUID THEREFOR SOLD IN COMBINATION. THE CELOTEX CORPORATION, Chicago, Ill.
Filed May 22, 1939. Serial No. 419,658. PUBLISHED AUGUST 5, 1941. Class 5.

390,917. CONTROL HANDLES OPERATIVELY ASSOCIATED WITH THE DEPRESSIBLE PEDAL FOR ACCELERATOR MEANS IN AUTOMOTIVE DEVICES. CHARLES M. PALMER, Washington, D. C.
Filed July 10, 1939. Serial No. 421,436. PUBLISHED AUGUST 5, 1941. Class 23.

390,918. PRINTED PICTURES. COLOUR INCORPORATED, Chicago, Ill.
Filed November 13, 1939. Serial No. 425,557. PUBLISHED AUGUST 5, 1941. Class 38.

390,919. IDENTIFICATION APPLIANCES FOR USE IN LAUNDRIES FOR THE IDENTIFICATION OF LAUNDRY WORK. THE AMERICAN LAUNDRY MACHINERY COMPANY, Norwood Station, Cincinnati, Ohio.
Filed December 28, 1939. Serial No. 426,937. PUBLISHED AUGUST 5, 1941. Class 24.

390,920. DEVICE WITH MOVABLE INDICATORS FOR DOMESTIC USE FOR REMINDING OF DESIRED RADIO BROADCASTS. FRANK E. POWELL, Tacoma, Wash.
Filed May 20, 1940. Serial No. 432,157. PUBLISHED AUGUST 5, 1941. Class 26.

390,921. DECALCOMANIAS. AMERICAN DECALCOMANIA CO., INC., Chicago, Ill.
Filed May 27, 1940. Serial No. 432,370. PUBLISHED AUGUST 5, 1941. Class 38.

390,922. CIGARS. ARANGO Y ARANGO, also doing business as Arguelles Lopez & Bro. Inc., Tampa, Fla.
Filed June 12, 1940. Serial No. 432,914. PUBLISHED SEPTEMBER 10, 1940. Class 17.

390,923. EVAPORATED MILK. THE BORDEN COMPANY, New York, N. Y.
Filed July 2, 1940. Serial No. 433,598. PUBLISHED AUGUST 5, 1941. Class 46.

390,924. SAWS. HENRY DISSTON & SONS, INCORPORATED, Tacony, Pa.
Filed July 3, 1940. Serial No. 433,653. PUBLISHED AUGUST 5, 1941. Class 23.

390,925. POWDER INSULATION FOR TOPS OF INGOT MOLDS. HARBISON-WALKER REFRACTORIES COMPANY, Pittsburgh, Pa.
Filed September 25, 1940. Serial No. 436,341. PUBLISHED AUGUST 5, 1941. Class 1.

390,926. FLUID AND SOLID FUEL BURNING FURNACES FOR HEATING. BORG-WARNER CORPORATION, Chicago, Ill.
Filed November 13, 1940. Serial No. 437,804. PUBLISHED AUGUST 5, 1941. Class 34.

390,927. PLASTIC WOOD PRODUCTS—NAMELY ASH TRAYS AND PIPE RACKS. BURWOOD PRODUCTS COMPANY, Traverse City, Mich.
Filed November 13, 1940. Serial No. 437,806. PUBLISHED AUGUST 5, 1941. Class 8.

390,928. BREAKFAST CEREALS. HECKER PRODUCTS CORPORATION, New York, N. Y.
Filed December 6, 1940. Serial No. 438,572. PUBLISHED AUGUST 5, 1941. Class 46.

390,929. MEN'S, WOMEN'S, AND CHILDREN'S PAJAMAS. KAYLON, INC., New York, N. Y.
Filed December 14, 1940. Serial No. 438,842. PUBLISHED JULY 29, 1941. Class 39.

390,930. MEN'S, WOMEN'S, AND CHILDREN'S PAJAMAS. KAYLON, INC., New York, N. Y.
Filed December 14, 1940. Serial No. 438,843. PUBLISHED JULY 29, 1941. Class 39.

390,931. AIR HEATING AND HUMIDIFYING AND COOLING AND DRYING UNITS. THE STANDARD COMPUTING SCALE COMPANY, Detroit, Mich.
Filed December 16, 1940. Serial No. 438,909. PUBLISHED AUGUST 5, 1941. Class 34.

390,932. BRANDIES. MANY, BLANC & CO., INC., Chicago, Ill.
Filed February 14, 1941. Serial No. 440,658. PUBLISHED JULY 1, 1941. Class 49.

390,933. MILLINERY BRAIDS. HENRY POLLAK, INC., New York, N. Y.
Filed March 3, 1941. Serial No. 441,175. PUBLISHED AUGUST 5, 1941. Class 40.

390,934. WOMEN'S, MISSES' AND GIRLS' DRESSES, COATS, SUITS, BLOUSES, OUTER SKIRTS, ETC. WM. JAY TUROFF, New York, N. Y.
Filed March 6, 1941. Serial No. 441,294. PUBLISHED JULY 29, 1941. Class 39.

390,935. CRAYONS. CATECHETICAL GUILD, INC., St. Paul, Minn.
Filed March 13, 1941. Serial No. 441,499. PUBLISHED AUGUST 5, 1941. Class 37.

390,936. BOYS' CLOTHING—NAMELY, BOYS' SUITS, PANTS, AND OVERCOATS. B. SCHWARTZ & CO., Philadelphia, Pa.
Filed March 18, 1941. Serial No. 441,689. PUBLISHED AUGUST 5, 1941. Class 39.

390,937. COAL. AYRSHIRE PATOKA COLLIERIES CORPORATION, Indianapolis, Ind., and Wilmington, Del.
Filed March 24, 1941. Serial No. 441,848. PUBLISHED AUGUST 5, 1941. Class 1.

390,938. CANNED CHERRIES. FRUIT GROWERS CO-OPERATIVE, Sturgeon Bay, Wis.
Filed March 27, 1941. Serial No. 442,006. PUBLISHED AUGUST 5, 1941. Class 46.

390,939. OUTDOOR TOYS—NAMELY, OUTDOOR GYM APPARATUS, SWINGS, SEESAWS, SLIDES, SANDPITS, TOY SLEDS, TOY WAGONS. GIMBEL BROTHERS, INC., New York, N. Y.
Filed March 31, 1941. Serial No. 442,124. PUBLISHED AUGUST 5, 1941. Class 22.

390,940. GUMMED CLOTH INDEX STRIPS. GOLDSMITH BROS., New York, N. Y.
Filed April 1, 1941. Serial No. 442,169. PUBLISHED AUGUST 5, 1941. Class 37.

390,941. ABRASIVE CUTTING MACHINE, EXCLUSIVE OF ABRASIVE ELEMENTS. AMERICAN CHAIN & CABLE COMPANY, INC., New York, N. Y., and Bridgeport, Conn.
Filed April 3, 1941. Serial No. 442,225. PUBLISHED AUGUST 5, 1941. Class 23.

390,942. GAS WATER HEATERS. COMBUSTION ENGINEERING COMPANY, INC., Wilmington, Del., and New York, N. Y.
Filed April 8, 1941. Serial No. 442,390. PUBLISHED AUGUST 5, 1941. Class 34.

390,943. CANNED CANTALOUPE JUICE. LORENZ CHELHAR, San Francisco, Calif.
Filed April 12, 1941. Serial No. 442,517. PUBLISHED AUGUST 5, 1941. Class 46.

390,944. CANNED MEAT LOAF. JOHN MORRELL & CO., Ottumwa, Iowa.
Filed April 14, 1941. Serial No. 442,560. PUBLISHED AUGUST 5, 1941. Class 46.

390,945. MAGAZINE. RITA KANAREK HILLMAN, New York, N. Y.
Filed April 16, 1941. Serial No. 442,629. PUBLISHED AUGUST 5, 1941. Class 38.

390,946. REEDS FOR MUSICAL INSTRUMENTS. H. CHIRON CO., INC., New York, N. Y.
Filed April 18, 1941. Serial No. 442,690. PUBLISHED AUGUST 5, 1941. Class 36.

390,947. CANNED CITRUS JUICES FOR FOOD PURPOSES—NAMELY, CANNED GRAPEFRUIT JUICE. TREESWEET PRODUCTS CO., Santa Ana, Calif.
Filed April 18, 1941. Serial No. 442,737. PUBLISHED AUGUST 5, 1941. Class 46.

390,948. COMPILATIONS OF THE BOOKS OF THE BIBLE AND BIBLE TESTAMENTS. NATIONAL PUBLISHING COMPANY, doing business as National Bible Press, Philadelphia, Pa.
Filed April 24, 1941. Serial No. 442,914. PUBLISHED AUGUST 5, 1941. Class 38.

390,949. SCREEN AND STORM SASH HANGERS AND BRACES, SCREEN DOOR GUARDS, HOOKS AND STAPLES, METAL WALL PLUGS, METAL ROOFING CLEATS. F. D. KEES MANUFACTURING COMPANY, Beatrice, Nebr.
Filed April 25, 1941. Serial No. 442,958. PUBLISHED AUGUST 5, 1941. Class 13.

390,950. READY-MIXED AND PASTE PAINTS, VARNISHES, PAINT ENAMELS, AND STAINS. JOHN W. MASURY & SON, New York, N. Y.
Filed May 2, 1941. Serial No. 443,198. PUBLISHED JULY 15, 1941. Class 16.

390,951. GLUES, ADHESIVE GUMS, AND ADHESIVE PASTES. STEIN-HALL MANUFACTURING COMPANY, Chicago, Ill.
Filed May 2, 1941. Serial No. 443,210. PUBLISHED AUGUST 5, 1941. Class 5.

390,952. TOOL USEFUL IN INSTALLING AND REMOVING PUMP LINERS, VALVE SEATS, BUSHINGS, KEYS, ETC. WILLIAM S. PINE, Los Angeles, Calif.
Filed May 3, 1941. Serial No. 443,235. PUBLISHED AUGUST 5, 1941. Class 23.

390,953. PHONOGRAPH RECORD BLANKS. ROCK-OLA MANUFACTURING CORPORATION, Chicago, Ill.
Filed May 5, 1941. Serial No. 443,267. PUBLISHED AUGUST 5, 1941. Class 36.

390,954. SLIDE FASTENERS FOR GENERAL USE IN THE INDUSTRIAL ART. NOVEL SLIDE MANUFACTURING CORPORATION, New York, N. Y.
Filed May 7, 1941. Serial No. 443,339. PUBLISHED AUGUST 5, 1941. Class 13.

390,955. COATS, DRESSES, JACKETS, OUTER AND UNDER SKIRTS, SWEATERS, BLOUSES, HATS, AND LINGERIE—NAMELY, SLIPS, PAJAMAS, BRASSIÈRES, PANTIES, VESTS, ALL FOR GIRLS. PLYMOUTH WHOLESALE DRY GOODS CORPORATION, New York, N. Y.
Filed May 8, 1941. Serial No. 443,373. PUBLISHED JULY 22, 1941. Class 39.

390,956. MUSICAL ACOUSTIC DEVICE—NAMELY, A DEVICE INTO WHICH MUSIC CAN BE SUNG OR HUMMED IN ORDER TO MODIFY THE SOUND. KERSHAW BURBANK, doing business as Sing-A-Tina Studio, New York, N. Y.
Filed May 9, 1941. Serial No. 443,397. PUBLISHED AUGUST 5, 1941. Class 36.

390,957. LADIES' AND MISSES' COATS AND SUITS. SPORTOWNE COAT CO. INC., New York, N. Y.
Filed May 9, 1941. Serial No. 443,437. PUBLISHED JULY 29, 1941. Class 39.

390,958. NECKLACES AND BRACELETS, FINGER RINGS, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, ETC. AMERICAN AND CONTINENTAL PATENTED PRODUCTS INC., New York, N. Y.
Filed May 12, 1941. Serial No. 443,474. PUBLISHED AUGUST 5, 1941. Class 28.

390,959. FRESH VEGETABLES. CHAS. SNYDER CO., INC., Salinas, Calif.
Filed May 12, 1941. Serial No. 443,519. PUBLISHED AUGUST 5, 1941. Class 46.

390,960. MEN'S SPORT COATS, JACKETS, WINDBREAKERS, REVERSIBLE JACKETS, JERKINS, VESTS, SLACKS, AND SPORT SHIRTS. BOTANY WORSTED MILLS, Passaic, N. J.
Filed May 15, 1941. Serial No. 443,595. PUBLISHED JULY 29, 1941. Class 39.

390,961. FRESH VEGETABLES. VERTIN-EDMONDS COMPANY, Salinas, Calif.
Filed May 20, 1941. Serial No. 443,738. PUBLISHED AUGUST 5, 1941. Class 46.

390,962. FRESH VEGETABLES—NAMELY, FRESH LETTUCE. VERTIN-EDMONDS COMPANY, Salinas, Calif.
Filed May 20, 1941. Serial No. 443,739. PUBLISHED AUGUST 5, 1941. Class 46.

390,963. WOOL FELT HAT BODIES AND HAT HOODS MADE OF WOOL FOR WOMEN AND/OR CHILDREN. ARMAND SCHWAB & CO., INC., New York, N. Y.
Filed May 21, 1941. Serial No. 443,741. PUBLISHED AUGUST 5, 1941. Class 39.

390,964. WOMEN'S AND MISSES' SLIPS AND PETTICOATS. MUTUAL GARMENT COMPANY, St. Louis, Mo.
Filed May 22, 1941. Serial No. 443,813. PUBLISHED JULY 29, 1941. Class 39.

390,965. SAPONACEOUS MATERIAL FOR FORMING BUBBLES FOR USE IN THE BATH. MELVIN H. JACOBS, doing business as Eaton Laboratories, Chicago, Ill.
Filed May 26, 1941. Serial No. 443,934. PUBLISHED AUGUST 5, 1941. Class 4.

390,966. SAPONACEOUS MATERIAL FOR FORMING BUBBLES FOR USE IN THE BATH. MELVIN H. JACOBS, doing business as Eaton Laboratories, Chicago, Ill.
Filed May 26, 1941. Serial No. 443,935. PUBLISHED AUGUST 5, 1941. Class 4.

390,967. NEWSPAPER CARTOONS. KING FEATURES SYNDICATE, INC., New York, N. Y.
Filed May 27, 1941. Serial No. 443,981. PUBLISHED JULY 29, 1941. Class 38.

390,968. STEEL RODS, BARS, BLOOMS, BILLETS, PLATES, SHEETS, SLABS, STRIPS, BLOCKS, AND FORGINGS. CRUCIBLE STEEL COMPANY OF AMERICA, New York, N. Y.
Filed May 29, 1941. Serial No. 444,037. PUBLISHED AUGUST 5, 1941. Class 14.

390,969. STEEL RODS, BARS, BLOOMS, BILLETS, PLATES, SHEETS, SLABS, STRIPS, BLOCKS, AND FORGINGS. CRUCIBLE STEEL COMPANY OF AMERICA, New York, N. Y.
Filed May 29, 1941. Serial No. 444,038. PUBLISHED AUGUST 5, 1941. Class 14.

390,970. IRONING PADS. THE SUNLITE MFG. COMPANY, Milwaukee, Wis.
Filed June 2, 1941. Serial No. 444,130. PUBLISHED AUGUST 5, 1941. Class 24.

390,971. FRESH CITRUS FRUITS. CANOGA CITRUS ASSOCIATION, Canoga Park, Calif.
Filed June 3, 1941. Serial No. 444,134. PUBLISHED AUGUST 5, 1941. Class 46.

390,972. LADIES' SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS OF THESE MATERIALS. I. MILLER & SONS, INC., Long Island City, N. Y.
Filed June 3, 1941. Serial No. 444,157. PUBLISHED AUGUST 5, 1941. Class 39.

390,973. WOMEN'S DRESSES. JESS SHARAF INCORPORATED, Boston, Mass.
Filed June 3, 1941. Serial No. 444,161. PUBLISHED JULY 29, 1941. Class 39.

390,974. PAPER BAGS. SUPERIOR-LAWRENCE BAG COMPANY, Middletown, Ohio.
Filed June 4, 1941. Serial No. 444,207. PUBLISHED AUGUST 5, 1941. Class 2.

390,975. PAPER BAGS. SUPERIOR-LAWRENCE BAG COMPANY, Middletown, Ohio.
Filed June 4, 1941. Serial No. 444,208. PUBLISHED AUGUST 5, 1941. Class 2.

390,976. LADIES' DRESSES. KORACH BROTHERS, Chicago, Ill.
Filed June 5, 1941. Serial No. 444,223. PUBLISHED JULY 29, 1941. Class 39.

390,977. STEEL. JOSEPH T. RYERSON & SON, INC., Chicago, Ill.
Filed June 5, 1941. Serial No. 444,229. PUBLISHED AUGUST 5, 1941. Class 14.

390,978. APPARATUS FOR THE TREATMENT OF SOLIDS SUSPENDED IN LIQUIDS AND MORE PARTICULARLY FOR COMBINED AGITATION AND SEDIMENTATION APPARATUS. THE DORR COMPANY, INC., New York, N. Y.
Filed June 6, 1941. Serial No. 444,258. PUBLISHED AUGUST 5, 1941. Class 23.

390,979. ELECTRICAL CONTROL SWITCHES. THE FAIRFIELD ENGINEERING COMPANY, Marion, Ohio.
Filed June 6, 1941. Serial No. 444,259. PUBLISHED AUGUST 5, 1941. Class 21.

390,980. LADIES' AND MISSES' DRESSES, DRESS AND JACKET ENSEMBLES, BLOUSES, OUTERSHIRTS, SKIRTS, AND PLAY SUITS. MAYFLOWER DRESS CO., INC., New York, N. Y.
Filed June 6, 1941. Serial No. 444,268. PUBLISHED JULY 29, 1941. Class 39.

390,981. LADIES' AND MISSES' DRESSES, BLOUSES, SKIRTS, JACKETS, DRESS AND JACKET ENSEMBLES, PLAYSUITS, SMOCKS, AND HOUSECOATS. MAYFLOWER DRESS CO., INC., New York, N. Y.
Filed June 6, 1941. Serial No. 444,269. PUBLISHED JULY 29, 1941. Class 39.

390,982. LADIES' AND MISSES' DRESSES, DRESS AND JACKET ENSEMBLES, BLOUSES, SKIRTS, OUTERSHIRTS, AND PLAY SUITS. MAYFLOWER DRESS CO., INC., New York, N. Y.
Filed June 6, 1941. Serial No. 444,270. PUBLISHED JULY 29, 1941. Class 39.

390,983. CLEANER FOR WOODWORK, PAINTED AND ENAMELED SURFACES, AND THE LIKE. THE MYSTIC FOAM CORPORATION, Cleveland, Ohio.
Filed June 6, 1941. Serial No. 444,271. PUBLISHED AUGUST 5, 1941. Class 4.

390,984. DYNAMO-ELECTRIC MACHINE. THE RELIANCE ELECTRIC & ENGINEERING COMPANY, Cleveland, Ohio.
Filed June 6, 1941. Serial No. 444,278. PUBLISHED AUGUST 5, 1941. Class 21.

390,985. WOMEN'S, LADIES', AND MISSES' COATS, SUITS, CAPES, JACKETS, AND COAT AND SUIT ENSEMBLES. SAMUEL STAROBIN, New York, N. Y.
Filed June 6, 1941. Serial No. 444,287. PUBLISHED JULY 29, 1941. Class 39.

390,986. MISSES' AND GIRLS' DRESSES, BLOUSES, SKIRTS, CULOTTES, COATS, AND DRESS AND COAT COMBINATIONS. TEEN FROCKS, INC., New York, N. Y.
Filed June 6, 1941. Serial No. 444,289. PUBLISHED JULY 29, 1941. Class 39.

390,987. STERLING SILVER FLATWARE AND HOLLOW WARE FOR TABLE USE AND THE LIKE. INTERNATIONAL SILVER COMPANY, Meriden, Conn.
Filed June 10, 1941. Serial No. 444,380. PUBLISHED AUGUST 5, 1941. Class 28.

390,988. PAPER BAGS. SUPERIOR-LAWRENCE BAG COMPANY, Middletown, Ohio.
Filed June 12, 1941. Serial No. 444,474. PUBLISHED AUGUST 5, 1941. Class 2.

390,989. PAPER BAGS. SUPERIOR-LAWRENCE BAG COMPANY, Middletown, Ohio.
Filed June 12, 1941. Serial No. 444,475. PUBLISHED AUGUST 5, 1941. Class 2.

390,990. PAPER BAGS. SUPERIOR-LAWRENCE BAG COMPANY, Middletown, Ohio.
Filed June 12, 1941. Serial No. 444,477. PUBLISHED AUGUST 5, 1941. Class 2.

390,991. STERLING SILVER AND SILVER PLATED FLATWARE, HOLLOW WARE, AND TABLEWARE. NATIONAL SILVER COMPANY, New York, N. Y.
Filed June 14, 1941. Serial No. 444,540. PUBLISHED AUGUST 5, 1941. Class 28.

390,992. STERLING SILVER AND SILVER PLATED FLATWARE, HOLLOW WARE, AND TABLEWARE. NATIONAL SILVER COMPANY, New York, N. Y.
Filed June 14, 1941. Serial No. 444,542. PUBLISHED AUGUST 5, 1941. Class 28.

390,993. ATHLETIC SHIRTS, SHORTS, AND KNITTED UNDERWEAR FOR MEN, BOYS, WOMEN AND GIRLS. STANDARD KNITTING MILLS, INC., Knoxville, Tenn.
Filed June 14, 1941. Serial No. 444,551. PUBLISHED JULY 29, 1941. Class 39.

390,994. SILVER-PLATED FLAT-WARE AND HOLLOW WARE FOR TABLE USE AND THE LIKE. INTERNATIONAL SILVER COMPANY, Meriden, Conn.
Filed June 20, 1941. Serial No. 444,704. PUBLISHED AUGUST 5, 1941. Class 28.

390,995. TOY RAILROAD ACCESSORIES, TOY TRAINS, TOY LOCOMOTIVES, TOY TENDERS, AND OTHER TOY ROLLING STOCK. THE A. C. GILBERT COMPANY, New Haven, Conn.
Filed June 23, 1941. Serial No. 444,761. PUBLISHED AUGUST 5, 1941. Class 22.

390,996. SANITARY NAPKINS. TESTED PAPERS OF AMERICA, INC., Chicago, Ill.
Filed June 24, 1941. Serial No. 444,807. PUBLISHED AUGUST 5, 1941. Class 44.

390,997. WATER SOLUBLE FERTILIZER. MILLER CHEMICAL AND FERTILIZER CORPORATION, Baltimore, Md.
Filed July 2, 1941. Serial No. 445,015. PUBLISHED AUGUST 12, 1941. Class 10.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

390,998. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) WEBB COAL COMPANY, Port Huron, Mich. Filed Oct. 21, 1938. Serial No. 411,923.

Even-Heat

FOR COAL.
Claims use since Sept. 3, 1938.

390,999. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STEWART & ROSS CORPORATION, Long Island City, N. Y. Filed June 14, 1939. Serial No. 420,504.

LIFE

FOR VITAMIN CAPSULES.
Claims use since May 16, 1939.

391,000. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JOHN HALLIDAY AND SONS, LIMITED, Bradford, England. Filed Sept. 6, 1939. Serial No. 423,334.

SUN-TAN

FOR WOOLLEN AND WORSTED SUITINGS IN THE PIECE.
Claims use since 1920.

391,001. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ALVIN M. CONLEY, doing business as Arm-A-Lite Company, Los Angeles, Calif. Filed Feb. 19, 1940. Serial No. 428,682.

ARM-A-LITE

FOR ELECTRIC VEHICLE LIGHT FOR ILLUMINATING DRIVERS' ARM SIGNALS.
Claims use since July 1, 1929.

391,002. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE CALICO PRINTERS' ASSOCIATION, LIMITED, Manchester, England. Filed Apr. 9, 1940. Serial No. 430,542.

GRAFTON

FOR PRINTED, DYED, AND BLEACHED COTTON PIECE GOODS AND PIECE GOODS COMPOSED WHOLLY OR MAINLY OF ARTIFICIAL SILK.
Claims use since 1913.

391,003. (CLASS 39. CLOTHING.) A. HARRIS & COMPANY, Dallas, Tex. Filed Apr. 26, 1940. Serial No. 431,191.

Peggy Soule'

FOR LADIES' WEARING APPAREL—NAMELY, BLOUSES, SHIRTS, SKIRTS, SUITS, DRESSES, COATS, SLACKS, SWEATERS, JACKETS, AND SWIMMING SUITS.
Claims use since Mar. 15, 1940.

391,004. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CLINTON COMPANY, Clinton, Iowa. Filed June 12, 1940. Serial No. 432,885.

CLINTON

FOR MODIFIED STARCHES FOR USE IN SIZINGS FOR TEXTILES AND PAPER, DEXTRINES FOR USE IN ADHESIVES, PEARL STARCHES FOR USE IN TEXTILE SIZINGS, POWDERED STARCHES FOR USE IN TEXTILE SIZINGS, STARCH GUMS FOR USE IN ADHESIVES AND SIZINGS FOR TEXTILES AND PAPER, LACTIC ACID FOR USE IN TANNING.
Claims use as follows: Modified starches, since Oct. 5, 1923; dextrines, since Sept. 1, 1936; pearl starches, since February, 1923; powdered starches, since February, 1923; starch gums, since Jan. 31, 1928; lactic acid, since January, 1935.

391,005. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOE LOWE CORPORATION, New York, N. Y. Filed July 23, 1940. Serial No. 434,244.

NUT • E • KONE

FOR FROZEN CONFECTIONS.
Claims use since Mar. 26, 1940.

391,006. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) WOOL NOVELTY CO. INC., New York, N. Y. Filed July 25, 1940. Serial No. 434,351.

WOOLPOINT

FOR PIECES OF CANVAS PARTLY EMBROIDERED IN WOOL FOR NEEDLEPOINT WORK.
Claims use since July 10, 1940.

391,007. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) I. B. KLEINERT RUBBER COMPANY, New York, N. Y. Filed July 29, 1940. Serial No. 434,448.

SLIP-ON

FOR DRESS SHIELDS.
Claims use since January, 1940.

391,008. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) BEN FELSENTHAL & CO. INC., New York, N. Y. Filed July 30, 1940. Serial No. 434,490.



FOR NECKLACES AND BRACELETS, FINGER RINGS, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, AND THE FOLLOWING GOODS MADE IN WHOLE OR IN PART OF PRECIOUS METAL OR PLATED WITH THE SAME; BEADS, PINS, HAT ORNAMENTS, HAIR ORNAMENTS, HOLDERS FOR FACE POWDER COMPACTS, COMB CASES, CIGARETTE CASES, FANCY CIGARETTE BOXES, FANCY BUCKLES, AND JEWELRY INITIALS.
Claims use since July 2, 1940.

391,009. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) I. B. KLEINERT RUBBER COMPANY, New York, N. Y. Filed July 31, 1940. Serial No. 434,532.

PIN-EYELET

FOR DRESS SHIELDS.
Claims use since June 6, 1940.

391,010. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) BLACKSTONE CORPORATION, Jamestown, N. Y. Filed Aug. 19, 1940. Serial No. 435,117.

BLACKSTONE

FOR DOMESTIC CLOTHES WASHING MACHINES, WRINGERS, DRYERS, AND IRONING MACHINES.
Claims use on clothes washing machines and wringers, since December, 1904; ironing machines, since April, 1935; and dryers, since January, 1938.

391,011. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE DAYTON RUBBER MANUFACTURING COMPANY, Dayton, Ohio. Filed Aug. 19, 1940. Serial No. 435,121.

DAYTON

THOROBRED

FOR TEXTILE MACHINERY—NAMELY, LOOP PICKERS, LUG STRAPS, REVERSIBLE DROP BOX PICKERS, HOLD-UPS, BUMPERS, AND ROLL COVERINGS.
Claims use since June 27, 1940.

391,012. (CLASS 45. BEVERAGES, NONALCOHOLIC.) K. C. LOVE, Muskogee, Okla. Filed Aug. 23, 1940. Serial No. 435,303.

JUCY-FRUIT

FOR NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS, EXTRACTS AND FLAVORS USED IN MAKING SAME.
Claims use since July 12, 1940.

391,013. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE PURE FOOD COMPANY, INC., Mamaroneck, N. Y. Filed Sept. 7, 1940. Serial No. 435,767.

Stoll's

Karl Stoll

The facsimile signature is that of Karl Stoll, founder of the business of the applicant and its predecessors.
FOR BOUILLON CUBES.
Claims use since Aug. 21, 1940.

391,014. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRY C. THORNTON, doing business as Drug Specialty Company, Watsontown, Pa. Filed Sept. 7, 1940. Serial No. 435,773.

AIRE-TONE

FOR DEODORANT AND AIR CONDITIONER.
Claims use since Aug. 2, 1940.

391,015. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) E. E. HARDEN, doing business as E. E. Harden Packing Co., Salinas, Calif. Filed Sept. 23, 1940. Serial No. 436,263.



FOR FRESH VEGETABLES.
Claims use since Aug. 1, 1940.

391,016. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) MERRILL WOODENWARE CO., Merrill, Wis. Filed Nov. 19, 1940. Serial No. 438,048.

Pickettes

FOR TOOTHPICKS.
Claims use since Aug. 2, 1940.

391,017. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y. Filed Jan. 14, 1941. Serial No. 439,649.

Precision

FOR PHOTOGRAPHIC ENLARGERS, PARTS THEREOF, AND/OR ACCESSORIES THEREFOR.
Claims use since Sept. 12, 1939.

391,018. (CLASS 17. TOBACCO PRODUCTS.) R. L. SWAIN TOBACCO COMPANY, INC., Danville, Va. Filed Jan. 14, 1941. Serial No. 439,674.

PINEHURST

FOR CIGARETTES AND SMOKING TOBACCO.
Claims use since June 1, 1939.

391,019. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) PLYMOUTH WHOLESALE DRY GOODS CORPORATION, New York, N. Y. Filed Apr. 4, 1941. Serial No. 442,278.

Plymouth

FOR LAUNDRY WASHING MACHINES.
Claims use since April, 1937.

391,020. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOMER J. WILLIAMSON, INC., Indianapolis, Ind. Filed Apr. 19, 1941. Serial No. 442,766.

"Williamson's Wellmade"

FOR CANDY.
Claims use since March, 1937.

391,021. (CLASS 28. JEWELRY AND PRECIOUS METAL WARE.) STYLE METAL SPECIALTIES, INC., New York, N. Y. Filed Apr. 24, 1941. Serial No. 442,922.

STYLEBUILT

FOR BROOCHES, JEWELRY CLIPS, BAR PINS, BRACELETS, EARRINGS AND NECKLACES.
Claims use since Feb. 1, 1939.

391,022. (CLASS 21. ELECTRICAL APPARATUS, MACHINES AND SUPPLIES.) GENERAL PRODUCTS CORPORATION, Union Springs, N. Y. Filed May 13, 1941. Serial No. 443,536.

ELEKTROSPARK

FOR EMERGENCY SPARK COIL FOR USE WITH AN IGNITION SYSTEM FOR AN INTERNAL COMBUSTION ENGINE.
Claims use since Nov. 12, 1933.

391,023. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE PHOENIX OIL COMPANY, Cleveland, Ohio. Filed May 28, 1941. Serial No. 444,011.

FILM-ON

FOR CHEMICAL COMPOUND USED FOR ALL METAL SURFACES AND MACHINERY AS A RUST PREVENTIVE.
Claims use since November, 1936.

391,024. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AVONDALE MILLS, Sylacauga, Ala. Filed July 5, 1941. Serial No. 445,082.

EST. A AVONDALE M 1897

KIMBERLY

FOR COTTON FABRICS, COMPRISING CHAMBRAYS AND COVERTS.
Claims use since Aug. 26, 1937.

391,025. (CLASS 37. PAPER AND STATIONERY.) THE DIAMOND MATCH COMPANY, New York, N. Y. Filed July 10, 1941. Serial No. 445,228.

ARDLEY

FOR PAPER NAPKINS.
Claims use since 1939.

391,026. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WELLINGTON SEARS COMPANY, INCORPORATED, New York, N. Y. Filed July 23, 1941. Serial No. 445,595.

PINTWILL

FOR PIECE GOODS ALL OR IN PART OF COTTON, WOOL, RAYON, SILK, SYNTHETIC FIBRES.
Claims use since Aug. 1, 1938.

391,027. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WELLINGTON SEARS COMPANY, INCORPORATED, New York, N. Y. Filed July 23, 1941. Serial No. 445,596.

SPORTWILL

FOR PIECE GOODS ALL OR IN PART OF COTTON, WOOL, RAYON, SILK, SYNTHETIC FIBRES.
Claims use since Feb. 23, 1933.

391,028. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) CHARLESTON SIXTH VEIN COLLIERIES COMPANY, Dawson Springs, Ky. Filed July 25, 1941. Serial No. 445,628.

Charleston

FOR COAL.
Claims use since May 30, 1936.

391,029. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) UNION NURSERIES & COMPANY, LTD., Los Angeles, Calif. Filed July 29, 1941. Serial No. 445,761.

SANTA ANITA

FOR FLOWERS AND PLANTS.
Claims use since Mar. 15, 1939.

391,030. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) O'TOOLE-GENERAL TIRE COMPANY, Baltimore, Md. Filed July 31, 1941. Serial No. 445,822.



FOR PNEUMATIC AND SOLID RUBBER TIRES.
Claims use since May, 1938.

TRADE-MARK REGISTRATIONS RENEWED

20,526. **REPRESENTATION OF A CIRCULAR DESIGN ON THE END OF A SPOOL.** COTTON THREAD OR SPOOL COTTON. Registered December 29 1891. J. & P. COATS, LIMITED, Paisley, Scotland, Re-renewed December 29, 1941, to J. & P. Coats (R. I.) Inc., Pawtucket, R. I., a corporation of Rhode Island, assignee.

20,527. **REPRESENTATION OF A SCALE OF INCHES.** SPOOL COTTON OR COTTON THREAD. Registered December 29, 1891. J. & P. COATS, LIMITED, Paisley, Scotland. Re-renewed December 29, 1941, to J. & P. Coats (R. I.) Inc., Pawtucket, R. I., a corporation of Rhode Island, assignee.

20,625. **REPRESENTATION OF A COMBINATION OF COATS-OF-ARMS.** SPOOL COTTON OR COTTON THREAD. Registered January 19, 1892. J. & P. COATS, LIMITED, Paisley, Scotland. Re-renewed January 19, 1942, to J. & P. Coats (R. I.) Inc., Pawtucket, R. I., a corporation of Rhode Island, assignee.

142,049. **ODOR-NEVER.** PREVENTION OF EXCESSIVE PERSPIRATION. Registered May 3, 1921. LOUISE MILLER, West Somerville, Mass. Renewed May 3, 1941, to J. Hubbard & Co., doing business as Odor-Never Co., Nashua, N. H., a partnership, assignee.

142,326. **S J AND REPRESENTATION OF AN ARROW.** WATCH-SPRINGS. Registered May 10, 1921. SANDVIKENS JERNVERKS AKTIEBOLAG, Sandviken, Sweden, a corporation of Sweden. Renewed May 10, 1941.

145,771. **OLEVER MARY.** CLEANSING COMPOSITION AND SOAP. Registered August 16, 1921. THE PAGET MANUFACTURING COMPANY LIMITED. Renewed August 16, 1941, to The Paget Manufacturing Company Pty. Limited, Sydney, Australia, a proprietary company of New South Wales, successor.

146,379. **LOOSTITE.** PIPE-COUPLINGS. Registered September 6, 1921. TITEFLEX METAL HOSE CORPORATION. Renewed September 6, 1941, to Titeflex Metal Hose Co., Newark, N. J., a corporation of New Jersey, assignee.

146,389. **MINARET.** DATES. Registered September 6, 1921. VAN DYK AND REEVES. Renewed September 6, 1941, to Van Dyk & Reeves Inc., Brooklyn, N. Y., a corporation of New York, assignee by mesne assignments.

146,680. **FREEDOL.** A PREPARATION IN LIQUID FORM FOR A TREATMENT OF SKIN DISEASES. Registered September 20, 1921. HERMAN FREED, as assignee of D. Webster Anders. Renewed September 20, 1941, to Herman Freed, Boston, Mass., assignee.

147,305. **DRESSO.** POLISH FOR PIANOS AND AUTOMOBILES. Registered October 11, 1921. THE DRESSO POLISH CO., Norwich, Conn. Renewed October 11, 1941, to Albert E. Cloutier, Fall River, Mass., assignee.

147,333. **KENWOOD.** SCARFS, STOCKINGS, SOCKS, AND SWEATERS FOR MEN, WOMEN, AND CHILDREN, OF TEXTILE FABRICS. Registered October 11, 1921. F. C. HUYCK & SONS, Albany, N. Y. Renewed October 11, 1941, to F. C. Huyck & Sons, Rensselaer and Albany, N. Y., a corporation of New York.

147,655. **SILKO.** WHEAT-FLOUR. Registered October 25, 1921. THE NEBRASKA CONSOLIDATED MILLS COMPANY, Grand Island and Hastings, Nebr. Renewed October 25, 1941, to Nebraska Consolidated Mills Company, Omaha, Nebr., a corporation of Nebraska.

148,162. **"AIR-DOR".** DOOR-CHECKS. Registered November 8, 1921. MICHIGAN METAL PRODUCTS COMPANY, Battle Creek, Mich., a corporation of Michigan. Renewed November 8, 1941.

148,658. **LIVER KICK.** MEDICINE FOR USE IN THE TREATMENT OF THE LIVER. Registered November 22, 1921. J. D. GARGO, Liberty, N. C. Renewed November 22, 1941, to Justice Drug Co., Greensboro, N. C., a corporation of North Carolina, assignee.

148,865. **SILK-TONE.** A FLAT PAINT FOR FINISHING INTERIOR WALLS, CEILINGS, AND WOODWORK. Registered November 29, 1921. INDIANA INDESTRUCTIBLE PAINT CO. Renewed November 29, 1941, to Commonwealth Varnish Company, Chicago, Ill., a corporation of Illinois, assignee.

148,898. **CHO-CHO.** CHOCOLATE MALTED MILK. Registered November 29, 1921. MALT-A-MILK COMPANY OF AMERICA, Kansas City, Mo. Renewed November 29, 1941, to Cho-Cho Company, Milwaukee, Wis., a corporation of Delaware, assignee by mesne assignments.

149,485. **"BRONCHO BRAND" RED THREAD.** LARIAT-ROPE. Registered December 13, 1921. THE PORTLAND CORDAGE COMPANY, Portland, Oreg., a corporation of Oregon. Renewed December 13, 1941.

150,411. **HOOPERWOOD.** CERTAIN NAMED NETTED AND KNITTED FABRICS AND COTTON CLOTHS. Registered January 3, 1922. WM. E. HOOPER & SONS CO., Baltimore, Md., a corporation of Maryland. Renewed January 3, 1942.

150,477. **FIAT.** ALIMENTARY OILS. Registered January 3, 1922. MINERVA, SOCIEDAD ANÓNIMA, Malaga, Spain, a corporation of Spain. Renewed January 3, 1942.

150,523. **LIFE LINE.** LARIAT-ROPES. Registered January 3, 1922. THE PORTLAND CORDAGE COMPANY, Portland, Oreg., a corporation of Oregon. Renewed January 3, 1942.

150,627. **HARLOMOOR.** CERTAIN NAMED COTTON TEXTILES IN THE PIECE, BLEACHED, DYED, AND PRINTED. Registered January 3, 1922. TURNER, HALSEY COMPANY. Renewed January 3, 1942, to HARLOMOOR COMPANY, INC., New York, N. Y., a corporation of New York, assignee.

150,746. **GULF STREAM.** CERTAIN NAMED TEXTILE FABRICS. Registered January 10, 1922. JOHN BOYLE & COMPANY, INCORPORATED, New York, N. Y., a corporation of New York. Renewed January 10, 1942.

150,786. **ATLAS.** CAST-IRON WELDING STICKS OR RODS. Registered January 10, 1922. DAVIS-BOURNONVILLE COMPANY, New York, N. Y., and Jersey City, N. J. Renewed January 10, 1942, to Air Reduction Sales Company, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

150,853. **"H" IN AN OCTAGON.** COIL AND FLAT SPRINGS AND SET SCREWS, CAP NUTS, AND TURNED KNOBS. Registered January 10, 1922. THE HUMASON MANUFACTURING COMPANY, Bristol, Conn., a corporation of Connecticut. Renewed January 10, 1942.

150,932. **"RED THREAD".** TRANSMISSION ROPE. Registered January 10, 1922. THE PORTLAND CORDAGE COMPANY, Portland, Oreg., a corporation of Oregon. Renewed January 10, 1942.

150,959. **ROOT.** COUNTING MACHINES. Registered January 10, 1922. THE ROOT COMPANY, Bristol, Conn. Renewed January 10, 1942, to Veeder-Root Incorporated, Hartford, Conn., a corporation of Connecticut, assignee.

151,099. **VASELINE.** PETROLEUM JELLY, OIL PETROL, WHITE MINERAL OIL, OIL OF PETROLEUM, ALL FOR LUBRICATING PURPOSES. Registered January 24, 1922. CHESEBROUGH MANUFACTURING COMPANY, CONSOLIDATED, New York, N. Y., a corporation of New York. Renewed January 24, 1942.

151,172. **HOOPERWOOD.** CERTAIN NAMED ROPE, CORD, AND TWINE. Registered January 24, 1922. WM. E. HOOPER & SONS CO., Baltimore, Md., a corporation of Maryland. Renewed January 24, 1942.

151,173. **HOOPERWOOD.** CERTAIN NAMED RECEPTACLES. Registered January 24, 1922. WM. E. HOOPER & SONS CO., Baltimore, Md., a corporation of Maryland. Renewed January 24, 1942.

151,224. **ADJUSTAL.** CLOTH AND CANVAS LEGGINGS AND BOOTS USED AS PROTECTIVE DEVICES FOR WORKERS. Registered January 24, 1922. THE SAFETY EQUIPMENT SERVICE COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed January 24, 1942.

151,287. **COBBIE.** SHOES MADE OF LEATHER, AND ALSO OF COMBINATIONS OF LEATHER AND FABRIC. Registered January 24, 1922. THE ROBERT WISE COMPANY. Renewed January 24, 1942, to The United States Shoe Corporation, Cincinnati, Ohio, a corporation of Ohio, assignee.

151,418. **NON-GRAN.** BUSHINGS AND BEARINGS. Registered February 7, 1922. AMERICAN BRONZE CORPORATION. Renewed February 7, 1942, to American Non-Gran Bronze Corporation, Berwyn, Pa., a corporation of Pennsylvania, successor.

151,446. **LOV-LOR.** PERFUMES, SACHETS, TALCUM POWDER, FACE POWDER, COLD CREAM, ROUGE, BRILLIANTINE, AND TOILET WATER. Registered February 7, 1922. CHERAMY, INC., New York, N. Y., a corporation of New York. Renewed February 7, 1942.

151,459. **PYREKS.** CERTAIN METAL CUTTING AND FORMING SMALL TOOLS. Registered February 7, 1922. DARWIN & MILNER, INC., New York, N. Y. Renewed February 7, 1942, to Darwin & Milner, Inc., Cleveland, Ohio, a corporation of New York.

151,508. **HOMELITE.** ELECTRIC GENERATING PLANTS. Registered February 7, 1922. HOME ELECTRIC LIGHTING COMPANY, East Orange, N. J. Renewed February 7, 1942, to Homelite Corporation, East Port Chester, Conn., a corporation of Connecticut, assignee by mesne assignments.

151,673. **AOLAN.** LACTOALBUMINOUS SOLUTION USED FOR SUBCUTANEOUS INJECTIONS. Registered February 14, 1922. P. BEIERSDORF & CO. INC., New York, N. Y. Renewed February 14, 1942, to P. Beiersdorf & Co. Inc., Stamford, Conn., a corporation of New York.

151,809. **HOOFERWOOD.** CERTAIN NAMED BELTING, HOSE, FILTER TUBING, PACKING, AND BRAKE BANDING. Registered February 14, 1922. WM. E. HOOPER & SONS CO., Baltimore, Md., a corportion of Maryland. Renewed February 14, 1942.

151,816. **MEADOW LARK.** CANNED VEGETABLES Registered February 14, 1922. INDERRIEDEN CANNING CO. Renewed February 14, 1942, to The J. B. Inderrieden Co., Chicago, Ill., a corporation of Illinois, assignee.

151,931. **S. L. & G. H. R. CO.** SILVER-PLATED FLAT AND HOLLOW WARE. Registered February 14, 1922. SIMEON L. & GEORGE H. ROGERS COMPANY, Hartford, Conn. Renewed February 14, 1942, to Oneida Ltd., Sherrill and Oneida, N. Y., a corporation of New York, assignee.

152,375. **RED BALL.** CHEWING AND SMOKING TOBACCO. Registered February 28, 1922. CONSOLIDATED COMPANIES INC., Plaquemine, Morgan City, St. Martinville, New Roads, and White Castle, La. Renewed February 28, 1942, to Consolidated Companies, Inc., Plaquemine, La., a corporation of Louisiana.

152,523. **HUM-MER.** VIBRATED-SCREEN SEPARATING MACHINES. Registered February 28, 1922. THE W. S. TYLER COMPANY, Cleveland, Ohio., a corporation of Ohio. Renewed February 28, 1942.

REISSUES

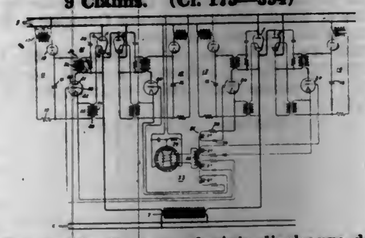
OCTOBER 14, 1941

21,919
ELECTRIC VALVE CIRCUIT

Ernst F. W. Alexanderson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Original No. 2,190,759, dated February 20, 1940, Serial No. 108,587, October 31, 1936. Application for reissue October 9, 1940, Serial No. 360,511

9 Claims. (Cl. 175—354)



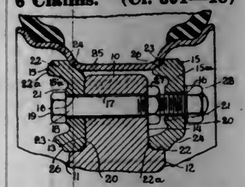
8. In combination, an electric discharge device having an anode, a cathode and a control member of the immersion-ignitor type, an excitation circuit to energize continuously said control member during a predetermined interval of a cycle of anode-cathode voltage to initiate an arc discharge between said anode and said cathode, and means responsive to an electrical condition of said discharge device occasioned by the initiation of an arc discharge betweten said anode and said cathode for effecting deenergization of said control member during said predetermined interval as soon as said arc discharge is established between said anode and cathode and comprising means connected between said electric discharge device and said excitation circuit for introducing therein a voltage to prevent transmission of current to said control member after the initiation of an arc discharge.

21,920
WHEEL

William O. Bechman and Rudolph A. Holmberg, Chicago, Ill., assignors to International Harvester Company, a corporation of New Jersey

Original No. 2,200,766, dated May 14, 1940, Serial No. 270,615, April 28, 1939. Application for reissue June 26, 1940, Serial No. 342,588

6 Claims. (Cl. 301—18)



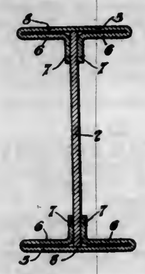
6. A wheel assembly including a wheel, a demountable rim encircling the wheel, and a pair of substantially identical rim-supporting clamps disposed in reversed positions respectively at opposite sides of the wheel and engaging opposite sides of the rim, each clamp being formed with an angularly related extension portion, each clamp further including a seating face, one clamp being disposed with its seating face engaging the wheel substantially solidly with a portion of the clamp engaging the proximate side of the rim, the other clamp being disposed at the other side of the wheel with its extension portion toward and engaging the wheel to space a portion of that clamp from the wheel, said extension portion serving as a fulcrum to mount that clamp rockably on the wheel with a portion of said clamp in engagement with the proximate side of the rim, and securing means for securing the clamps to the wheel, said means serving to rock the aforesaid clamp to clamp the rim.

21,921
WELDED STRUCTURAL MEMBER

Gerald G. Greulich, Mount Lebanon, Pa.

Original No. 2,108,373, dated February 15, 1938, Serial No. 118,663, December 31, 1936. Application for reissue December 20, 1938, Serial No. 310,262

5 Claims. (Cl. 189—37)



3. The method of making a beam which includes forming an elongated sheet metal web having longitudinally extending edge portions, forming an elongated unitary sheet metal flange comprising laterally opposite integrally connected flange portions and an inwardly open groove extending longitudinally therealong, seating an edge portion of the web in the groove and welding the edge portion of the web to the side walls of the groove.

21,922
PRODUCTION OF ALCOHOLS

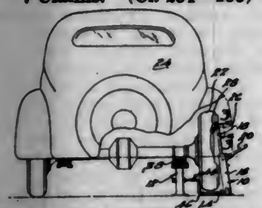
Heinrich Hopff, Ludwigshafen-on-the-Rhine, Germany, assignor, by mesne assignments, to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Original No. 2,029,618, dated February 4, 1936, Serial No. 536,670, May 11, 1931. Application for reissue June 8, 1940, Serial No. 339,582. In Germany May 23, 1930

18 Claims. (Cl. 260—618)

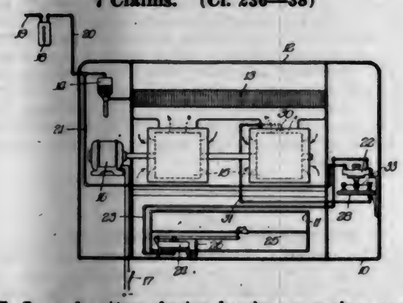
1. The process for the production of non-tertiary alcohols, which comprises acting with an alkylene oxide in the presence of a Friedel-Crafts condensing agent on a hydrocarbon at a temperature up to 100° C.

21,923
LIFTING MECHANISM
Joseph J. Miser, Racine, Wis., assignor to Walker Manufacturing Company of Wisconsin, a corporation of Wisconsin
Original No. 2,168,489, dated August 8, 1939, Serial No. 264,355, March 27, 1939. Application for reissue April 12, 1940, Serial No. 329,357
7 Claims. (Cl. 254—133)



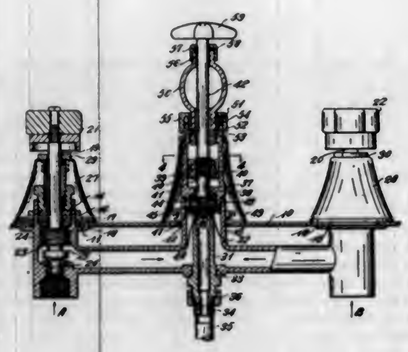
3. A lifting device for a vehicle wheel, said wheel having an outwardly projecting part associated therewith, comprising a base adapted to rest upon a supporting surface, a substantially linear column carried by the base and extending upwardly therefrom, a head carried by the column, said head having an upwardly directed nose-like part immediately adjacent the axis of the column but offset therefrom and formed to hook beneath said projecting part, said base, column and head being so related to each other that when said base is positioned on said surface immediately adjacent the base of a tire associated with said wheel and said nose-like part is under and in lifting relation to said outwardly projecting part said column extends inclinedly towards said wheel from said base, and means operatively associated with said lifting device for raising said head along the axis of the column so as to lift said wheel.

21,924
DAMPER CONTROL FOR UNIT HEATERS
Harald C. Mueller, Winnetka, Ill., assignor to The Powers Regulator Company, Chicago, Ill., a corporation of Illinois
Original No. 2,213,092, dated August 27, 1940, Serial No. 294,267, September 11, 1939. Application for reissue May 28, 1941, Serial No. 395,641
7 Claims. (Cl. 236—38)



7. In a heating device having a casing and a fresh air intake damper and motor, the combination of air-pressure-means acting on said motor for maintaining said damper in one position, a blower for circulating air through said casing, a three-way valve for alternately admitting said air under pressure to said motor and exhausting said air to change the position of said damper, and means for operating said three-way valve, said means including a diaphragm, the position of said diaphragm being controlled by air pressure conditions developed by said blower, whereby during operations of the blower the three-way valve is positioned to maintain said damper in open position and positioned to effect closing of the damper when the blower is idle.

21,925
SINK FIXTURE
Horace S. Smith, Kinsman, Ohio, assignor to The Glauber Brass Manufacturing Company, Kinsman, Ohio, a corporation of Ohio
Original No. 2,218,662, dated October 22, 1940, Serial No. 316,804, February 1, 1940. Application for reissue filed July 10, 1941, Serial No. 401,791
4 Claims. (Cl. 277—57)



1. In a combination fixture, a central upright valve body of two separable aligned parts, said body having therein opposed spaced valve seats, one in each of said parts, through which water may flow upwardly or downwardly, a swing spout mounted in the upper one of said valve body parts, a valve stem extending through the said spout concentric with the axis around which the spout turns and threadably mounted in the upper one of said valve body parts below said spout, a double valve piece on the stem having upper and lower washers of non-metallic material for engagement with one or the other of said valve seats alternatively, and a handle at the upper end of said stem above said spout operative through a predetermined angle regardless of the angular position of the spout for moving the valve from one operative position to the other.

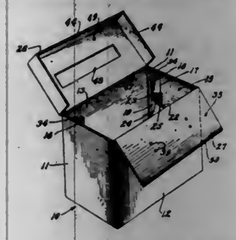
PATENTS
GRANTED OCTOBER 14, 1941

2,258,581
FABRIC
George Backer, Brooklyn, N. Y.
Application June 23, 1941, Serial No. 399,295
8 Claims. (Cl. 139—426)



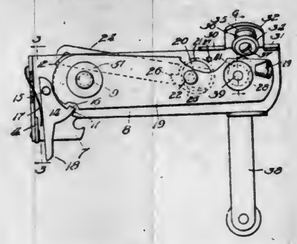
1. In a fabric, a warp consisting of a series of closely positioned threads of comparatively small size, forming sheds and a weft consisting of at least three threads in each shed; the weft threads being of comparatively large size and not twisted together, having lump-like portions spaced along their length; said portions of the respective weft threads lying substantially contiguous to form a cord-like structure within each shed; the warp threads substantially covering the cord-like structures.

2,258,582
HATBOX
Henry Berg, Jr., Orange, N. J., assignor to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware
Application August 9, 1938, Serial No. 223,786
1 Claim. (Cl. 206—8)



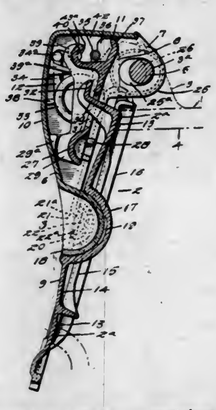
A dustproof box comprising a bottom; upright walls having top edges, said walls forming a top opening of a predetermined size; inner and outer lids pivoted respectively to the upper edges of opposite walls for closing said opening, said inner lid when in closed position resting snugly within said top opening in such a manner that the top surface of said lid is substantially flush with the top edges of the upright walls and the inner lid edges are contiguous to the wall inner surfaces; supporting and reinforcing means, comprising rigid upright supports mounted upon the inside surfaces of the box walls and terminating short of the plane of the top opening a distance substantially equal to the thickness of the inner lid to support the inner lid in the said closed position; a flexible handle on the inner lid; said outer lid when in closed position closely engaging said inner lid and the top edges of said upright walls in order to retain dust-excluding engagement even when the box is lifted, said outer lid having flanges for snugly touching the external surfaces of some of the upright walls, and said outer lid having an upper surface defining a plane constituting the upper extremity of said box; said outer lid having a recess for positioning said handle below said plane when the handle is in inoperative position.

2,258,583
CAN OPENER
Herbert A. Berkman and William S. West, Chicago, Ill., assignors to Zim Manufacturing Company, a corporation of Illinois
Application April 20, 1940, Serial No. 330,678
7 Claims. (Cl. 30—15)



1. In a can opener, two arms lying side by side, a cutting element on one end of the first arm, a feed wheel on the corresponding end of the second arm below the said cutter, means connecting said arms to move the second arm lengthwise and at the same time rock it, and means to turn said wheel.

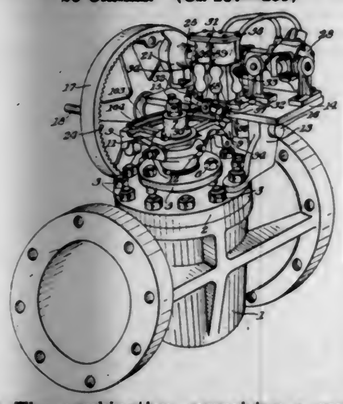
2,258,584
JOURNAL BOX
Glenn F. Couch, Rochester, N. Y., assignor to The Symington - Gould Corporation, Rochester, N. Y., a corporation of Maryland
Application July 16, 1937, Serial No. 153,996
20 Claims. (Cl. 308—47)



1. A journal box lid comprising a cover with an outwardly opening socket adjacent the central portion thereof, a hood with a ball-shaped lower portion extending into said socket to per-

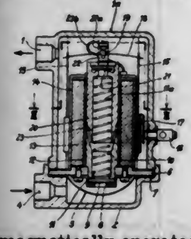
mit an articulated movement therebetween, recesses formed in the cover opening into said socket, integrally formed means projecting outwardly of said ball and housed by said recesses for preventing separation between the cover and hood, a lever pivotally mounted on said hood, and resilient means acting between said lever and hood.

2,258,585
FLUID MOTOR CONTROLLED VALVE
Edwin E. Hedene, Oakland, Calif., assignor to Merco Nordstrom Valve Company, Pittsburgh, Pa., a corporation of Delaware
Application January 4, 1938, Serial No. 183,313
23 Claims. (Cl. 137—139)



20. The combination comprising a controlled valve, a fluid pressure motor for operating said valve, control valves responsive to the pressure difference between inlet and exhaust of said motor and interposed in the motor supply and motor exhaust lines, retaining means preventing closing of said control valves when the controlled valve is in intermediate position, means to close the inlet valve when the controlled valve reaches on extreme position, and fluid pressure means for opening the inlet valve when the direction of flow to the motor is reversed.

2,258,586
ELECTROMAGNETICALLY OPERATED PETROL SUPPLY PUMP
Karl Glässing, Stuttgart, Germany, assignor to Robert Bosch Gesellschaft mit beschränkter Haftung, Stuttgart, Germany
Application March 22, 1939, Serial No. 263,574
In Germany April 9, 1938
7 Claims. (Cl. 172—126)

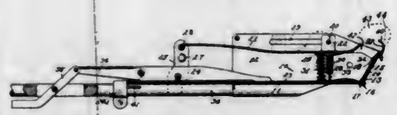


1. An electromagnetically operated petrol supply pump, comprising a shell, a pump cylinder mounted in said shell, an electromagnet system disposed within the shell and including an electromagnet surrounding said pump cylinder, an armature displaceable in the shell by means of said electromagnet system, and a contact borne by the displaceable armature through which contact said electromagnet system is energised, in combination with a flat snap spring mounted at its ends in a longitudinally resilient manner, said armature being formed as a pump piston and being reciprocably mounted in said pump cylinder, and a second contact abuttable with the contact aforesaid and carried by the snap spring substantially centrally thereof by means of which second contact movements of the snap spring are influenced by the other contact borne by the displaceable armature, said armature carrying means including said first-mentioned contact adapted to engage alternately opposite sides of said snap spring whereby said snap spring is engaged and moved in one direction by direct engagement of the armature with said snap spring and moved in the other direction by said armature through the contact carried thereby.

2,258,587
FOAM COMPOSITION
Ernest F. Goodner, Berkeley, Calif., assignor to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
No Drawing. Application September 23, 1939, Serial No. 296,289
2 Claims. (Cl. 252—6)

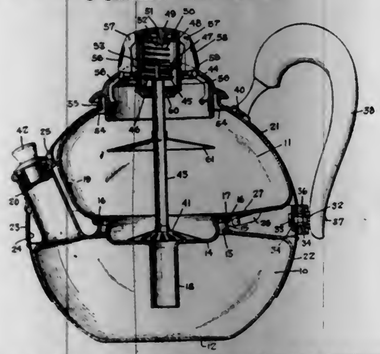
2. A fire foam producing powder comprising a mixture of substances which react in water to produce a gas and a gelatinous precipitate, a foam stabilizing agent and an anticaker comprising a calcium-magnesium compound containing radicals selected from the group consisting of oxides, hydroxides and carbonates.

2,258,588
WALL CLEANING APPARATUS
Casper Kenne, Des Moines, Iowa, assignor of one-half to Anthony Kenne, Des Moines, Iowa
Application April 24, 1940, Serial No. 331,343
3 Claims. (Cl. 15—219)



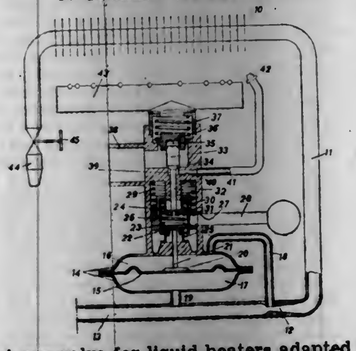
1. A wall paper cleaning apparatus, comprising a casing for holding a cleaning compound, having a slot in one end of one of its sides, a plunger for forcing cleaning material within said casing towards its open end and outwardly through said slot, a retarder adjacent to the forward side of said slot having spaced teeth projecting rearwardly and over said slot to retard the corresponding side of the forward portion of said cleaner as it is moved outwardly to produce a rolling effect and to stiffen and support the outwardly projecting portion as the cleaning operation takes place.

2,258,589
COFFEE MAKER
Herbert G. Lehmann, Wood-Ridge, N. J., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut
Original application September 8, 1939, Serial No. 293,875. Divided and this application March 7, 1940, Serial No. 322,671
8 Claims. (Cl. 53—3)



1. A coffee maker comprising an approximately hemispherical lower vessel and an approximately hemispherical upper vessel, said vessels being superposed with their respective flat sides adjacent; a casing having an upper part and a lower part adapted respectively to embrace the upper and lower vessels; means for mechanically locking the two parts of the casing together to unite said vessels together as one unitary utensil, upon relative rotation of the two parts; and means by which the two parts may be relatively rotated for the purpose of securing the two parts of the casing and the two vessels together as one unitary utensil.

2,258,590
GAS VALVE FOR LIQUID HEATERS
Otto Merten, Dessau, Anhalt, Germany, assignor to Junkers & Co. G. m. b. H., Dessau, Germany
Application August 26, 1939, Serial No. 292,131
In Germany September 6, 1938
11 Claims. (Cl. 236—25)

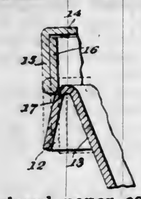


1. A gas valve for liquid heaters adapted to be controlled by a liquid-deficiency device comprising a compressible resilient intermediate device located between the gas valve and the operative member of the liquid-deficiency device, said compressible resilient intermediate device yielding to permit operation of said liquid-deficiency device when the gas valve is held against movement, and manually operable adjustable stop means for controlling the operation of said intermediate device and which is adapted to limit the movement imparted to the gas valve, said stop means being movable to prevent operation of said gas valve at certain times but permitting operation of said liquid-deficiency device at all times.

2,258,591
LUBRICATING OIL COMPOSITION
Franz Rudolf Moser and Albert Johannes Dijksman, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application November 27, 1939, Serial No. 306,330. In the Netherlands December 5, 1938
1 Claim. (Cl. 252—35)

A compounded mineral lubricating oil of improved anti-corrosive properties containing a small amount of the zinc salt of di-isopropyl salicylic acid.

2,258,592
CLOSED PAPER CONTAINER
Raymond A. Bennett, Weymouth, Mass.
Application May 12, 1939, Serial No. 273,243
1 Claim. (Cl. 229—2.5)

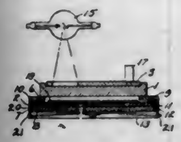


A two-piece closed paper container including a one-piece single ply body having a bottom, an annular open top and an upwardly diverging side extending from the bottom, said side terminating in a curved portion extending outwardly and downwardly and providing a peripheral flange terminating in a free edge in spaced relation with the outer surface of the body so as to constitute a resilient lip flange, and a one-piece cover having a flat top and an inwardly folded peripheral flange providing a double thickness cylindrical side wall adapted to engage said resilient flange, the inner diameter of the cover being less than the normal external diameter of said resilient flange so that when the cover is forced over the container to its closed position, the inner side of the cover engages and cams the resilient flange inwardly into substantially parallel relationship therewith, to insure a tight and uniform sealing engagement of the side wall of the cover with the outer surface of the resilient flange.

2,258,593
METHOD OF CALIBRATING ROENTGENOGRAPHIC MACHINES
Lawrence F. Black, Washington, D. C.
Application March 18, 1940, Serial No. 324,564
6 Claims. (Cl. 250—65)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An apparatus for calibrating roentgenographic machines by comparison of their photographic effects, comprising a cassette adapted to retain a photographic film, exposing means comprising a mask support mounted above said cassette and spaced therefrom to form a filter sup-

port, said mask support being formed with an upper circularly countersunk surface, a circular disc-shaped mask formed with an eccentrically spaced exposure aperture, said mask being adapted to be rotated within said countersunk surface to form an annular group of sectors exposed to X-rays for equal time periods at different degrees of energization, a circular disc-



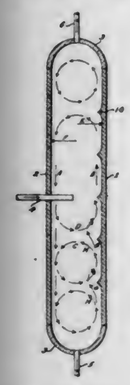
shaped mask formed with a centrally located exposure aperture, said latter disc being adapted to be mounted within said countersunk surface to form a centrally located area adjacent the sectors within said annular group adapted to be exposed to another source of X-rays at a period equal to the exposure period of said annular group.

2,258,594

METHOD AND APPARATUS FOR SEPARATING GASES AND ISOTOPES

Aubrey Keith Brewer, Washington, D. C., and Arthur Bramley, Ocean City, N. J., assignors to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and to his successors in office

Application August 18, 1939, Serial No. 290,746
4 Claims. (Cl. 183—115)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



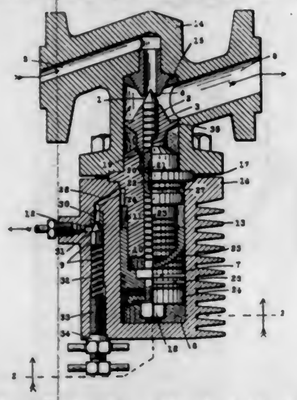
1. That process of separating constituents of unequal molecular mass in a fluid mixture, which comprises subjecting a vertically elongated confined body of fluid to a temperature gradient transversely of said body, the while inducing a partial separation of the heavier and lighter components, and the while inducing a circulation of gas in an upwardly flowing direction in a region of higher temperature and in a downwardly flowing direction in a region of lower temperature, obstructing the direction flow of said streams at a plurality of points and thereby establishing a secondary circulation of fluid in a plurality of intercommunicating localized swirls, and the while withdrawing the heavier constituents from the bottom and the lighter from the top.

2,258,595

FLUID-PRESSURE REDUCING AND REGULATING VALVE

Frank David Butler, United States Navy

Application August 8, 1940, Serial No. 351,868
3 Claims. (Cl. 137—153)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



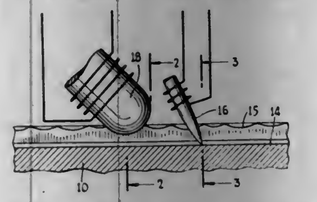
1. In a differential pressure area actuated, fluid pressure reducing and regulating valve assembly having an initial fluid pressure inlet supply connection, a reduced fluid pressure outlet connection, a valve seat located in the body of such valve assembly between said fluid pressure inlet and outlet connections, and, a valve bonnet connection located adjacent a cylindrical bore concentric with and extending toward said valve seat in such valve body, the combination with the foregoing of an enlarged elongated cylinder secured to said bonnet connection adjacent and concentric with the valve body bore and having an elongated closed outer end cylindrical bore extending in tandem with the latter, a series of radially extending radiation fins equally spaced throughout the length of the outer circumference of said cylinder, an elongated cylindrical flanged valve bonnet secured between the latter and said valve body and having two reduced diameter projections one extending inward into said valve body bore and the other extending outward into the bore of said cylinder and in addition thereto a reduced diameter bore extending concentrically throughout its length, a conically shaped main valve seating upon said valve seat and having an elongated stem slidably mounted within the bore of said valve bonnet and having a skirted piston secured to its outer end beyond said bonnet, a closed liquid chamber located between the outer end of said piston and said closed outer end of said cylinder bore, access communication between said closed chamber and said outlet connection, a cylindrical bore in said skirt of said piston slidably fitting over a reduced diameter portion of said outward extending projection, an annular shaped liquid compartment formed between the outer end of the latter and the adjacent end of said piston and having restricted access communication with said outlet connection and forming a liquid dash-pot, an annular shaped liquid cavity formed between the inner end of said skirt and a shoulder on said outward extending projection and having restricted access communication with said annular shaped compartment, and, manually adjustable spring loaded valve means for regulating the pressure on said annular shaped cavity.

2,258,596

RECORDING AND REPRODUCING ELEMENT

Alfonso Cortella, New York, N. Y., assignor to Arthur A. Berard, Mount Vernon, N. Y.

Application December 1, 1938, Serial No. 243,301
3 Claims. (Cl. 178—5.8)



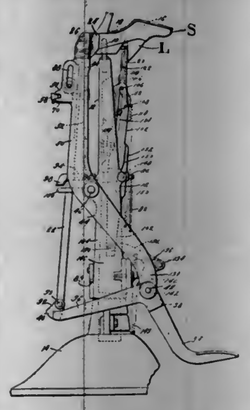
1. In a reproducing device, in combination, a recorded element comprising a member having a light track formed in a surface thereof and a sound track formed in the bottom wall of said light track, said light track being wider than said sound track, a stylus adapted for cooperation with said light track, said stylus being of such size as to be prevented from entering into said sound track.

2,258,597

MACHINE FOR SEPARATING SHOES FROM LASTS

Garrett P. S. Cross, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application April 4, 1940, Serial No. 327,889
22 Claims. (Cl. 12—15.1)



1. In a machine for removing shoes from two-part lasts, in combination, means for urging a shoe off a last, and means operable automatically upon actuation of said urging means for disengaging the parts of the last.

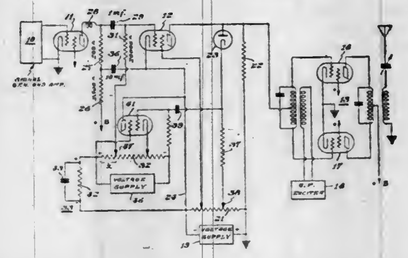
2,258,598

AMPLIFIER

James W. Conklin, Audubon, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application July 31, 1940, Serial No. 348,742
7 Claims. (Cl. 179—171)

1. An amplifier comprising a first amplifier tube and a second amplifier tube which are impedance-coupled, each of said tubes having a plate electrode, a control grid and a cathode, means for operating said second tube with its cathode substantially below ground potential, and means for coupling the cathode of said second



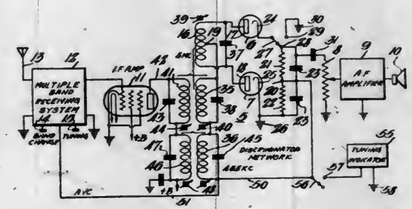
tube to its control grid through a portion of the coupling impedance in the plate circuit of said first tube.

2,258,599

FREQUENCY-MODULATION RECEIVING SYSTEM

Wendell L. Carlson, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application June 29, 1940, Serial No. 343,109
7 Claims. (Cl. 250—20)



1. A radio signal receiving system comprising in combination, tunable signal receiving and selecting means, a frequency discriminator network for multiple wave band reception coupled to said first-named means, rectifier means in said network including a pair of rectifier elements, means for connecting said elements in balanced relation to each other for frequency-modulation reception in one wave band, and means for connecting said elements in parallel relation to each other through said last named means for amplitude-modulation reception in another wave band, and tuning indication means connected to said rectifiers in said parallel relation for tuning said system to frequency-modulated signals.

2,258,600

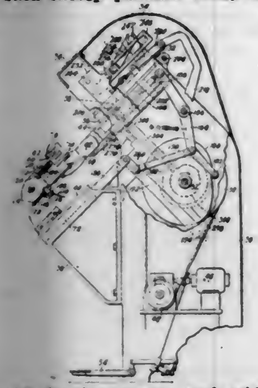
UPPER SHAPING MACHINE

Karl Engel, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application February 23, 1940, Serial No. 320,391
47 Claims. (Cl. 12—97)

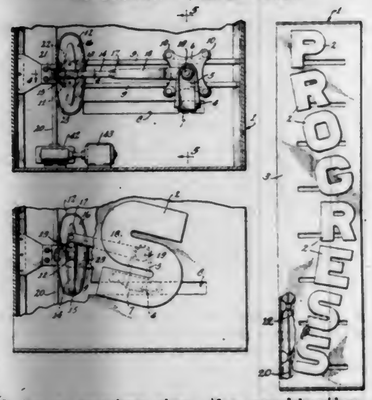
1. In an upper-shaping machine, means for shaping an end portion of an upper, means for holding the upper under lengthwise tension during the shaping operation, and means for applying pressure to the instep portion of the upper in a direction generally heightwise of the upper

to shape said instep portion while the upper is



held by said shaping means and said tensioning means.

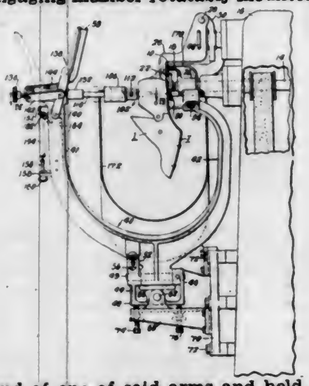
2,258,601
WAVING SIGN
Rolla B. Ferreby, Los Angeles, Calif.
Application November 22, 1937, Serial No. 175,769
18 Claims. (Cl. 40—139)



16. In a moving sign, the combination of a plurality of parts forming a composite figure with its side disposed in a substantially vertical plane, means for supporting the parts, means for moving the said parts progressively to and fro in a substantially vertical direction and transverse to the longitudinal axis of the sign, and means distinct from the supporting means for positively guiding the said parts in said substantially vertical plane to tilt the said parts progressively during said to and fro movement to give the effect of a wave passing longitudinally through the sign.

2,258,602
TRIMMING MACHINE
Merrill N. Follansbee, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application March 15, 1940, Serial No. 324,156
9 Claims. (Cl. 12—37)

1. In a machine for trimming the edge of a sole attached to a last, a rotatable cutter, and means for presenting a sole attached to a last to said cutter to be trimmed thereby, said means comprising a rigid U-shaped supporting frame pivoted on an axis below and substantially parallel to the axis of rotation of said cutter, the arms of said frame extending upwardly from said axis, a sole-engaging member rotatably mounted at the



upper end of one of said arms and held against endwise movement relative thereto, a last-engaging member rotatably and slidably supported in the upper end of the other arm of said supporting frame in axial alinement with said sole-engaging member, and means for moving said last-engaging member toward said sole-engaging member.

2,258,603
EDUCATIONAL AND AMUSEMENT DEVICE
Charles H. Forbell, Bayside, N. Y.
Application January 24, 1939, Serial No. 252,567
1 Claim. (Cl. 35—26)



A booklet having a front tracing sheet of a transparent material and a plurality of removable pages, each containing different elements of a final design to be produced, said final design consisting of a composite of a variety of different unit designs and each of said elements forming part of one of said unit designs and being substantially uniformly distributed over the area of the entire design, said elements being separated and most easily drawn or traced and so disposed upon the page that they may be traced individually with concentration of the attention of the tracer without regard to the final design and without knowledge of the character of the final design, each of said elements when traced tending to complete said unit designs without said unit designs being completed and completing said final design until said last page has been traced and removed.

2,258,604
CAST STEEL
Albert Paul Gagnebin, Fair Haven, N. J., assignor to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application June 15, 1940, Serial No. 340,839. In Canada May 18, 1940
27 Claims. (Cl. 75—58)

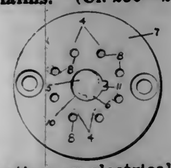
1. A method of producing ductile cast steels free from porosity which comprises treating a molten mass of steel containing sulfur with a small but effective amount to about 0.6% of an intensifying agent comprising alkaline earth metal and a small but effective amount to about 0.6% of at least one sulfur-desensitizing agent from the group consisting of selenium and tellurium, and casting the thus-treated molten steel whereby sound cast steels characterized by improved ductility are produced.

2,258,605
GARMENT SUPPORTER
Ernest D. G. Garth, Philadelphia, Pa.
Application August 16, 1940, Serial No. 352,877
12 Claims. (Cl. 24—245)



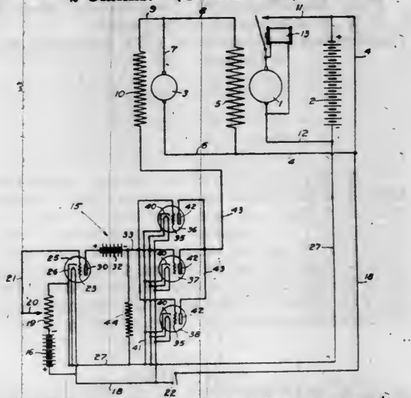
4. A garment supporter comprising attaching means; a supporting member connected to the attaching means; a fabric engaging member attached to the supporting member, said fabric engaging member having an aperture embodying a bevel rounding with parallel flanking portions into which said rounding merges; a flexible connector secured at one end to the fabric engaging member; and a lock member at the other end of the flexible connector corresponding in contour to but narrower in width and greater in length than the aperture through the fabric engaging member, said lock member being insertible in the opening in the fabric engaging member by direct sliding snap movement of the lock member with respect to the fabric engaging member with the garment fabric interposed and a downward pull for release therefrom.

2,258,606
TUBE BASE
Elmer J. Gorn, Brookline, Mass., assignor to Raytheon Production Corporation, Newton, Mass., a corporation of Delaware
Application June 8, 1940, Serial No. 339,535
6 Claims. (Cl. 250—27.5)



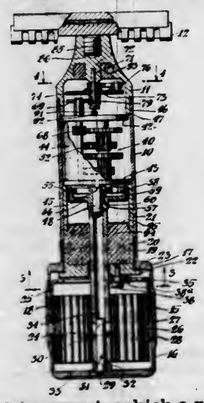
3. In combination, an electrical tube base comprising a pin-carrying member, contact pins secured to said pin-carrying member extending therefrom and disposed substantially in a circle, an orienting member secured to said pin-carrying member, disposed within said circle and projecting beyond the ends of said contact pins, and a projection on one side of said orienting member and extending substantially to the outer end of said orienting member, the center of said orienting member being eccentric with respect to the center of said circle, and a socket having a central opening in which said orienting member and said projection are adapted to be journalled, said opening having a recess into which said projection is adapted to be received in a predetermined angular position of said orienting member, and contact members disposed substantially in a circle substantially concentric with said opening to receive said contact pins.

2,258,607
VOLTAGE REGULATOR
William Christian Grabau, San Francisco, Calif., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Maine
Application October 8, 1938, Serial No. 234,067
2 Claims. (Cl. 171—314)



2. An electric system comprising a generator; power lines leading therefrom; a separate exciter for said generator, the armature and the field of the exciter being connected in series with the power lines; a vacuum amplifying tube adapted to control the flow of current through the exciter field, and means for varying the flow of current in said tube inversely to the voltage in the lines.

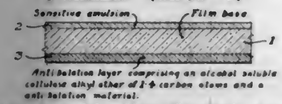
2,258,608
RAZOR
Russell Pelton Harshberger, Pasadena, Calif.
Application May 14, 1937, Serial No. 142,708
9 Claims. (Cl. 30—44)



1. In a safety razor in which a rapid oscillatory ing a blade carrying head at its upper end and motion is imparted to the razor blade by vibratory impulses, the combination with a casing hava spring motor adjacent its lower end, of a rotatable unbalanced weight adapted to produce vibratory impulses imparting motion to said blade,

a relatively short supporting member for said weight positioned between said head and spring motor, said supporting member being held from displacement relative to said head and projecting downwardly therefrom and mounting said weight for rotation, and gear driving means powered by said spring motor to rotate said unbalanced weight at high speed.

2,258,609
NONHALATION PHOTOGRAPHIC ELEMENT
John R. Hill, Parlin, N. J., assignor to Du Pont Film Manufacturing Corporation, New York, N. Y., a corporation of Delaware
Application September 26, 1938, Serial No. 231,818
6 Claims. (Cl. 95—9)



1. A photographic film element comprising a light-transmitting support, a light sensitive emulsion layer on one face thereof and a layer consisting of a water-insoluble ethyl cellulose which is soluble in water-ethanol mixtures predominating in the latter, said layer containing from 0.5 to 0.9% of a dye which is absorptive of light of all wave lengths to which said emulsion is sensitive carried upon the opposite face.

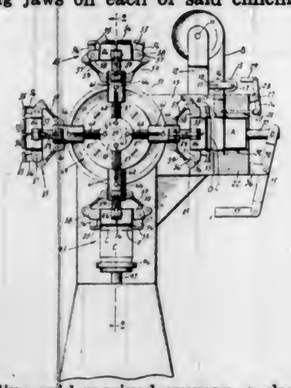
2,258,610
CONTAINER
John M. Hothersall, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application November 12, 1938, Serial No. 240,162
3 Claims. (Cl. 220—52)



1. A break-off key adapted to be attached to a sheet metal tearing strip can, said key having a shank, a handle part at one end of said shank and a slotted depressed flat section at the other end disposed on the top of the key when the latter is on the can and with the back of the key straight, said key having a break-off groove disposed transversely of and on the upper surface of said depressed flat section and setting off a tail portion which is secured directly to the can wall, the described location of said groove disposing the thinnest part of the key at the bottom of the groove engaging the can wall, whereby any rough edge left on the attached tail portion when the key is broken away at the groove, is adjacent and in engagement with the can wall in unexposed position out of the way of accidental engagement by the hand.

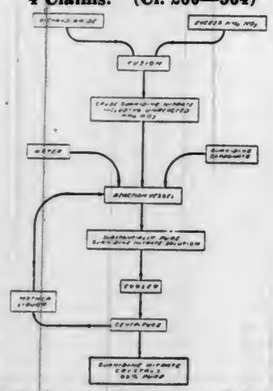
2,258,611
CONTAINER CAPPING MACHINE
John M. Hothersall, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application March 21, 1940, Serial No. 325,262
5 Claims. (Cl. 93—55.1)

1. A machine for applying an overcap to a container having a projecting edge, which comprises in combination devices for feeding a strip of sheet overcap material along a predetermined path of travel, a stationary die adjacent said path of travel for pre-forming from said strip a dish shaped overcap having a surrounding flange, an intermittently rotatable spider member having radially extending arms each terminating in a clinching head for receiving a pre-formed overcap and for positioning it onto a container, clinching jaws on each of said clinching heads



for holding said received overcap, a sleeve member slidably mounted on each of said spider arms and operatively connected to said jaws, and means operative in time with the intermittent rotation of said spider member for moving said sleeve members on and relative to said spider arms to move said jaws against the flanges of successively positioned overcaps for bending the flanges of the latter around successive container ledges to permanently secure the overcaps in position on the containers.

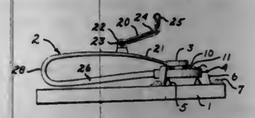
2,258,612
METHOD OF PURIFYING GUANIDINE NITRATE
David W. Jayne, Jr., Old Greenwich, and Louis L. Lento, Jr., Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application December 23, 1939, Serial No. 310,712
4 Claims. (Cl. 260—564)



1. A method of purifying a crude mixture comprising essentially guanidine nitrate and containing some ammonium nitrate which includes reacting the latter with guanidine carbonate and

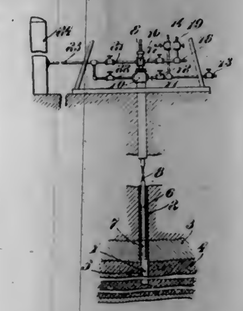
recovering guanidine nitrate from the reaction product.

2,258,613
MEASURING INSTRUMENT
Fabian M. Kannenstine and Francis M. Floyd, Houston, Tex.; said Floyd assignor to said Kannenstine
Application May 11, 1938, Serial No. 207,178
3 Claims. (Cl. 265—1.4)



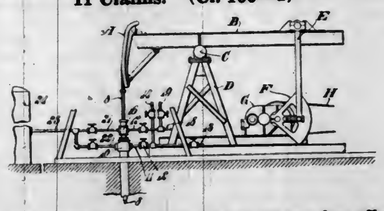
1. A force measuring instrument of the class described comprising a base member, a mass, a substantially U-shaped beam extending horizontally and having its ends attached to said member and mass respectively, so that the mass is supported in closely spaced relation with the base member, said beam lying in a vertical plane, the lower and upper limbs of the beam being of such different cross sections that they are relatively stiff and flexible respectively, whereby the upper limb serves as a cantilever beam to support the mass, and means for measuring the distance between the mass and member as a measure of the forces acting upon the mass.

2,258,614
METHOD OF TREATING AND PRODUCING OIL-WATER WELLS
John F. Kendrick, Chicago, Ill., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application February 28, 1938, Serial No. 193,160
32 Claims. (Cl. 166—21)



1. The method of treating and producing an oil-water well containing a liquid column consisting at least in part of water, which method comprises establishing conditions for the production of an increased proportion of oil from the well through a treatment of the latter including delivering into the well to act upon the liquid column therein, and thereby forcing down the water, a fluid of lower specific gravity than said water, and thereafter producing the well while maintaining by the fluid contents thereof a back pressure upon the formation, the rate of production and the back pressure being correlated to maintain the desired restraint upon the water in the formation.

2,258,615
APPARATUS FOR THE TREATMENT AND PRODUCING OF OIL-WATER WELLS
John F. Kendrick, Chicago, Ill., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application February 28, 1938, Serial No. 193,161
11 Claims. (Cl. 166—1)

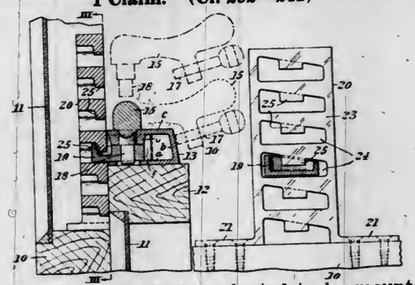


1. In combination, in an apparatus for effecting oil delivery from an oil-water well, means for mechanically pumping such a well, means for introducing into such a well a quantity of fluid of lighter specific gravity than the mixture of oil and water therein, and means for effecting the building up of a gaseous formation pressure upon the top of the fluid so introduced to force back into the oil stratum the liquid within the well, said means for mechanically pumping the well having means for regulating the rate of effective operation thereof.

2,258,616
TREATMENT AND PRODUCING OF OIL WELLS
John F. Kendrick, Chicago, Ill., assignor to Sullivan Machinery Company, a corporation of Massachusetts
No Drawing. Application July 8, 1939, Serial No. 283,487
21 Claims. (Cl. 166—21)

1. The method of treating oil-water wells which includes restoring to availability for oil delivery portions of the formation adjacent the well which have become water sealed by forcing, through the medium of a liquid of lighter specific gravity than the water, the water standing in the well into such position in the formation that there will be a reduced interference with the entry of oil into the well, then plugging off the bottom of the well by cementing, and thereafter repeating before a resumption of production the procedure utilized to restore to availability for oil delivery the portions of the formation adjacent the well which had been water sealed.

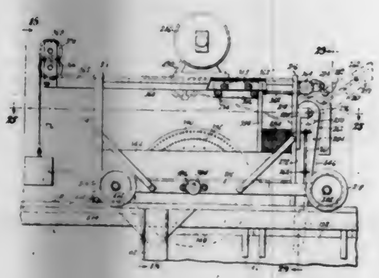
2,258,617
LATCHING DEVICE
Harry A. Knauff, Pittsburgh, Pa.
Application October 21, 1939, Serial No. 300,645
1 Claim. (Cl. 292—241)



In a fastening device adapted to be mounted on a pair of members to lock them in one of a

plurality of alternate positions with respect to each other, a latch having a latch element and having a pair of oppositely-extending lateral flanges for mounting it on one of the pair of members, a keeper having a longitudinally-extending body portion and a pair of laterally-extending flanges for mounting it on the other member, said body portion having a planar side portion facing in the direction of the latch, said planar side portion extending from said mounting flanges of said keeper and providing a longitudinal side of the body portion of said keeper, said body portion having at least a pair of latch-receiving openings located in progression along said planar side portion, an upper opening of said pair being bounded on two of its sides in the direction of said longitudinal body portion and on its top and bottom sides by continuous portions of said keeper, a lower opening being bounded on at least two of its sides in the direction of said longitudinal body portion and on its top side by continuous portions of said keeper, the top sides of both openings having an inclined face portion and a depending locking lug, the bottom side of the upper opening being substantially on a lateral plane, so that the latch element of said latch can be securely held within the upper opening by continuous portions of said keeper in such a manner as to prevent an up or down movement of said latch element within said opening and such that the latch element can be securely held within the other opening of said pair.

2,258,618
APPARATUS FOR THE MANUFACTURE OF FINNED STRUCTURES
Lester U. Larkin, Baltimore, Md., assignor to Lul Products, Inc., Baltimore, Md., a corporation of Maryland
Application March 19, 1938, Serial No. 196,881
20 Claims. (Cl. 214—8)

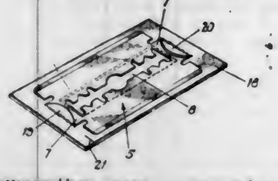


9. In a machine for fabricating finned structure, a frame, fin retaining means secured to said frame, carriage mechanism arranged to travel on said frame, a fin magazine on said carriage adapted to hold fins stacked in a predetermined order, movable fin transfer mechanism on said carriage mechanism, and fin engaging means carried by said transfer mechanism, said transfer mechanism being so arranged with respect to said magazine that said fin engaging means engages the first in order of the fins in the magazine and deposits such fin in said fin retaining means.

2,258,619
METHOD OF PRESERVING SOAP AND RESULTING PRODUCT
Bernard L. Maxwell, Reading, Mass., assignor to Lever Brothers Company, a corporation of Maine
No Drawing. Application February 6, 1940, Serial No. 317,522
8 Claims. (Cl. 260—398.5)

1. The method of stabilizing a soap composition having as a constituent a material proportion of a potassium soap, which comprises incorporating in the soap composition a small amount of alpha-stannic acid.

2,258,620
BLADE PRESERVING MEANS
Georges Monnet, New York, N. Y.
Application June 14, 1938, Serial No. 213,568
1 Claim. (Cl. 206—16)



Blade supporting means, comprising a separate independent support for each single razor blade, said support consisting of a thin substantially rectangular piece of resilient metal having a flat supporting surface for carrying a single razor blade, said supporting surface being somewhat wider than the razor blade to protect the cutting edges thereof, and two curved flaps which are integral with the resilient support and which are situated opposite each other close to opposite edges of the support at a distance enabling said flaps to overlap opposed tongue portions of the blade, at least one notch being formed in said support close to a flap, said notch extending in the longitudinal direction of the flap, whereby a blade held by said flaps may be released by bending those portions of the resilient support which are adjacent to said opposed edges.

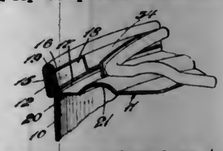
2,258,621
RAZOR BLADE PACKAGE
Georges Monnet, New York, N. Y.
Application July 26, 1938, Serial No. 221,296
3 Claims. (Cl. 206—16)



1. An envelope for enclosing a razor blade, said envelope having a raised edge portion consisting of rib-like corrugations and forming an air cushion over the sharp edges of said razor blade.

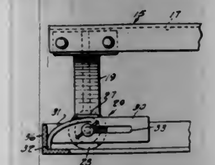
2,258,622
RIP-STRIP CAN OPENER
Josiah F. Peckham, Providence, R. I., assignor of one-half to Hubert A. Latham, Providence, R. I.
Application August 22, 1938, Serial No. 226,156
3 Claims. (Cl. 220—54)

3. A sheet metal can having an upstanding wall, a cover having means securing it to the can and having a closing end wall below the upper end of said upstanding wall with a flange extending along said wall in contact throughout with the inner surface thereof, said flange being provided with vertically spaced score lines therein, extending peripherally along the flange on the portion in contact with the inner surface of said wall and completely about the same to provide a rip strip between them, unbroken in its peripheral extent of the can, said flange and portion of upstanding wall along which it extends being outwardly flared, the angle of said flare, width of said rip strip and thickness of the stock



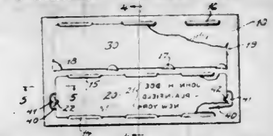
thereof being so proportioned as to permit the cover to be withdrawn after severing of the top by the rip strip, and a key having an L-shaped foot and a handle portion, the L-shaped foot being attached at its junction with the handle portion at the initial end of the rip strip and having its foot attached to said rip strip at a point spaced therefrom peripherally of the can, said key projecting at an angle to the rip strip inwardly therefrom.

2,258,623
BED STRUCTURE
Solomon Raduns, Brooklyn, N. Y., assignor to Greenpoint Metallic Bed Company, Inc., Brooklyn, N. Y.
Refiled for abandoned application Serial No. 91,071, July 17, 1936. This application April 25, 1938, Serial No. 204,151
1 Claim. (Cl. 5—209)



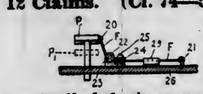
In a rectangular spring construction, an adjustable support connection to support said rectangular spring construction upon the side rails of metal and wood bed frames, said side rails being of rectangular and right angular cross sections, said rectangular spring construction including a rectangular frame, and also including downwardly extending brackets, said connection comprising a seat formed in the side of the lower end of one of said brackets, a slotted sliding bar fitting in said seat, the axis of said bar being horizontally disposed and being transverse to the axes of the side rails and the plane of said bar being vertical, and a bolt extending through said slot and fixed in said seat to fix said bar in an adjusted position, said seat having upper and lower guiding projections closely fitting the upper and lower edges of said bar and said bar having a downwardly projecting lip extending transversely across the outer end of said bar, said lip fitting on the corner or over the corner of said rails of right angular cross section and fitting over the corner of side rails of rectangular cross section, the upper edge of said bar being widened and turned downwardly adjacent its outer end to form said lip.

2,258,624
ADDRESS PLATE
Elmer F. Richter, Cleveland Heights, Ohio, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Ohio
Application November 6, 1940, Serial No. 364,523
5 Claims. (Cl. 101—369)



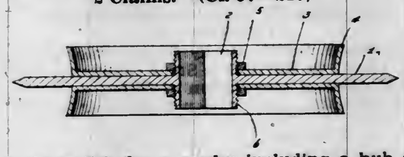
3. A frame for an address plate comprising a substantially flat panel of oblong form having its top and bottom margins bent over onto the rear side of the panel to form longitudinal ribs, the ends of the panel being bent over onto the rear side to form reinforces, and raised lips cut out of the panel and overhanging the face thereof.

2,258,625
FLEXIBLE ACCELERATOR DEVICE
George A. Rubissow, New York, N. Y.
Application April 26, 1939, Serial No. 270,176
12 Claims. (Cl. 74—513)



1. A foot controlled device consisting of a flexible connection, one end of which is affixed rigidly on the flooring and the other end of which is attached to a suitable linkage of the throttle operating device, at least one guide means rigidly affixed in respect to the flooring through which said guide means the said flexible connection is guided, the operative portion of the said flexible connection between at least one of the said guide means and the end of the said flexible connection affixed on the flooring, being substantially parallel and substantially adjacent to the surface of the said flooring, whereby when the foot of the driver contacting the said operative portion of the said flexible connection is slid to and fro on the flooring the throttle valve is actuated.

2,258,626
PACKER RIM ATTACHMENT FOR SEEDER DISKS
Philip W. R. Satrom, Galesburg, N. Dak.
Application July 31, 1940, Serial No. 348,893
2 Claims. (Cl. 97—217)

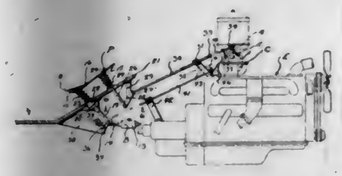


1. In a disk for a seeder including a hub exteriorly threaded, a pair of rimmed disks of less diameter than the first-mentioned disk, one arranged on one side of the first-mentioned disk and the other on the opposite side with the rims extending outwardly and nuts threaded on the hub for holding the rimmed disks in place.

2,258,627
ACCELERATOR AND BRAKE CONTROL
John L. Siesennop, Merrill, Wis.
Application April 13, 1940, Serial No. 329,448
4 Claims. (Cl. 192—3)

1. The combination with the brake mechanism

of an automobile and an engine having a carburetor including, a throttle valve and an operating crank therefor, of a foot pedal including pivotally connected toe and heel plates movable independently of one another, depending operating rods connected to the plates for independent movement, a two-armed lever rockably mounted intermediate its ends, means operatively connecting one arm to one rod, an operating link



pivotally connected to the other arm, a pivoted hook on said link for detachably engaging the crank arm of the throttle valve, a crank shaft, means for operating the crank shaft from the other pedal rod, means for operating the brake mechanism from the crank shaft, and means for raising the hook out of operative engagement with the crank of the throttle valve from said crank shaft upon actuation thereof.

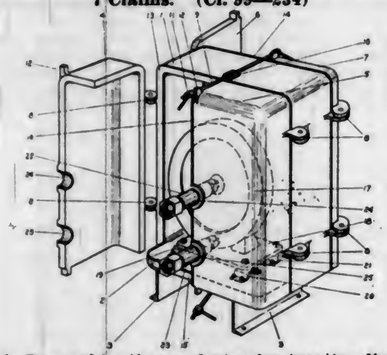
2,258,628
CELLULOSE PRODUCT
Allan K. Smith, Appleton, Wis., assignor to The Institute of Paper Chemistry, Appleton, Wis., a corporation of Wisconsin
No Drawing. Application December 30, 1936, Serial No. 118,275
6 Claims. (Cl. 92—21)

1. The steps in the method of preparing an improved absorbent paper sheet product of high temporary wet strength, increased dry strength and substantially free from age hardening and particularly adaptable for use as a paper towel, which comprises adding an aqueous dispersion consisting of gelatinized locust bean gum to a paper making furnish consisting essentially of wood cellulose fibers and forming the paper sheet containing locust bean gum dispersed therein from said furnish, the locust bean gum being present in amounts between 0.5 to 5.0 percent based on the dry weight of the furnish.

2,258,629
METHOD OF PREPARING SODIUM PHOSPHATE
Benjamin A. Smith, Rocky River, Ohio, assignor to The C. O. Bartlett & Snow Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application September 8, 1938, Serial No. 228,963
6 Claims. (Cl. 34—24)

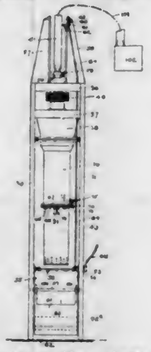
1. The process of removing a substantial portion of the water of crystallization from di-sodium acid phosphate containing a substantial amount of water of crystallization which comprises moving continuous streams of the material and heated air in counterflow relation, such stream of air as it meets the stream of material having a temperature of about 175° F. to about 190° F., the movement of such stream of air relatively to the material being at a rate not greater than about 135 feet per minute but sufficient so that the temperature of the air leaving the material is at least 15° F. higher than the dew point of such air.

2,258,630
APPARATUS FOR TREATING LIQUIDS
Edward W. Smith, Melrose, Mass., assignor to Submarine Signal Company, Boston, Mass., a corporation of Maine
Application June 1, 1939, Serial No. 276,836
7 Claims. (Cl. 99—234)



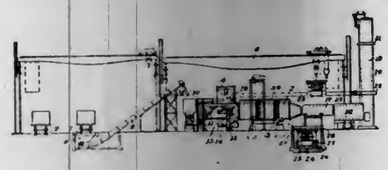
1. In combination, a device for treating liquids with compressional waves of audible frequency and a sound-proof casing for the same consisting of a massive metallic housing completely surrounding said device and sound insulating means for supporting said device within said housing and without direct contact with the housing.

2,258,631
PACKING MACHINE FOR CONTAINERS AND THE LIKE
Alfred Sowden, Arkansas City, Kans.
Application May 16, 1939, Serial No. 273,973
14 Claims. (Cl. 226—23)



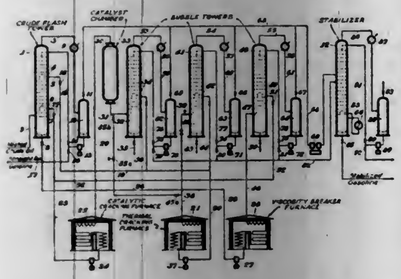
2. In a machine of the class described, the combination of a vertical stationary tube, means to supply material to be packed to the same, a second tube telescopically mounted within said first mentioned tube and in sliding and sealing contact therewith, and capable of vertical movement to a position below the first mentioned tube, an auger shaft vertically movable with respect to said first mentioned tube, an auger on the lower portion of said shaft, means to connect said shaft to the second mentioned tube, effectively to cause said tube to rise and fall with said shaft, and means to clamp a bag stationary to the stationary tube and around said tubes during the rising movement of the shaft, auger and second mentioned tube, substantially as described.

2,258,632
MANUFACTURE OF WROUGHT IRON
Edward B. Story, Bethel Township, Pa., assignor to A. M. Byers Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 26, 1939, Serial No. 292,095
11 Claims. (Cl. 75—24)



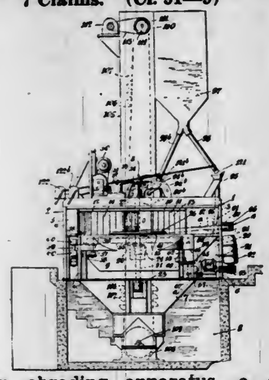
1. In the manufacture of wrought iron by the Aston process, the steps comprising preparing molten slag by applying heat to a charge of material which when melted will produce molten slag of the type employed in the Aston process and during such application of heat substantially continuously agitating the charge and admixing the thus melted slag with molten ferrous material to form balls of wrought iron.

2,258,633
GASOLINE MANUFACTURE
Ernest W. Thiele, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application February 5, 1938, Serial No. 188,844
2 Claims. (Cl. 196—49)



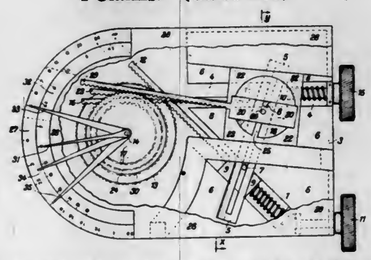
1. A combination cracking process comprising separating a crude petroleum oil into fractions including a heavy naphtha fraction, a virgin gas oil fraction and a residuum fraction, subjecting said gas oil fraction to a catalytic cracking operation, separating the products of said catalytic cracking operation into fractions including a gasoline fraction and a gas oil cycle stock fraction, subjecting said gas oil cycle stock fraction together with said heavy naphtha fraction to a non-catalytic thermal cracking operation, separating the products of said thermal cracking operation into fractions which include a gasoline fraction and another gas oil cycle stock fraction, recycling said last mentioned gas oil cycle stock fraction to said thermal cracking operation, subjecting said residuum to a non-catalytic viscosity breaker operation, separating the products of said viscosity breaker operation into fractions including a clean cycle stock fraction, and recycling said clean cycle stock fraction to said catalytic cracking operation.

2,258,634
APPARATUS FOR CLEANING THE VARIOUS SURFACES OF METALLIC ARTICLES
David C. Turnbull, Mishawaka, Ind., assignor to The American Foundry Equipment Company, Mishawaka, Ind., a corporation of Delaware
Application December 6, 1937, Serial No. 178,237
7 Claims. (Cl. 51—9)



4. In an abrading apparatus, a conveyor, means for advancing said conveyor along an endless predetermined path, a plurality of work-supporting tables rotatably mounted on said conveyor, and a centrifugal throwing wheel for projecting a stream of abrasive against the workpieces supported on said tables as said tables are advanced by said conveyor-advancing means through said stream, each of said turn-tables comprising a relatively circular disc-shaped member having a fully exposed, work-supporting surface, a drum-shaped member having a generally circular rim forming flange, a hollow hub portion, and a web portion connecting said flange and hub portion upon which said disc is supported, a shaft fixed to said conveyor having one end thereof extending upwardly, a bearing positioned within the hub portion of said drum member, a cap member for closing one end of said hub portion, and a rubber mat carried by each of said work supporting tables.

2,258,635
ADJUSTMENT OF CAMERAS
Bernhard Uffrecht, Neuhaldensleben, Germany
Application August 5, 1938, Serial No. 223,256
In Germany March 4, 1937
4 Claims. (Cl. 95—45)



1. An adjusting device for photographic purposes comprising four fixed slide guides (1, 2, 3, 4) forming by their projections an harmonic pencil; four knobs (P_1, P_2, P_3, P_4) which are free to slide in said slide guides respectively; a fifth movable slide guide in which the said four knobs are free to slide and by which they always are kept in a straight line and therefore are brought into

a definite position if any two of them are brought into a definite position; a first scale coordinating a definite number N_1 to each position of the first knob (P_1); a second scale coordinating a definite number N_2 to each position of the second knob (P_2); a third scale coordinating a definite number N_3 to each position of the third knob (P_3); a fourth scale coordinating a definite number N_4 to each position of the fourth knob (P_4); and a contrivance for setting any two of the four knobs on numbers of their scales manually, whereby, automatically and simultaneously, the two other knobs always are set on numbers which, together with the first-mentioned numbers, form a quadruple of numbers connected by the relations:

$$N_1=\frac{2Z}{f}\frac{N_2\cdot N_4}{N_4-N_2}$$

$$N_3=\frac{2N_2\,N_4}{N_4+N_2}$$

in which f and Z are any two numbers chosen freely but unchangeable and in which

N_1=effective diameter of diaphragm which is required for covering sharply the field between the farthest and the nearest planes of good definition,

N_2=focal distance of the nearest plane of good definition,

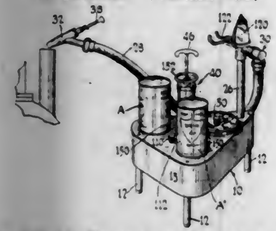
N_3=focal distance of the plane in sharp focus,

N_4=focal distance of the farthest plane of good definition,

Z=permissible diameter of the circle of confusion, produced on the image plane by points of the nearest or farthest plane of good definition, and

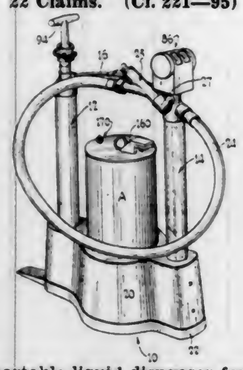
f=focal length of the camera lens.

2,258,636
LUBRICANT DISPENSING
Marvin S. Young, Scarsdale, N. Y., and Raymond B. Lewthwaite, Hasbrouck Heights, N. J., assignors, by mesne assignments, to The Merlin Corporation, New York, N. Y., a corporation of Delaware
Application June 18, 1938, Serial No. 214,448
24 Claims. (Cl. 221—95)



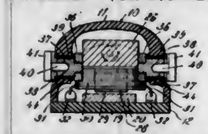
1. In a liquid dispensing device, a feed compartment for receiving liquid from a portable supply container, a conduit communicating with the lower portion of said compartment, a pump connected with said conduit for feeding liquid from the compartment, valve means between the pump and the compartment for blocking flow of liquid toward the latter, and float-controlled valve means in said compartment for blocking flow of liquid toward said pump after a supply container is empty and before the level of liquid in the compartment recedes to the conduit, the aforesaid valve means including means operative to hold one valve slightly away from its seat when the other is closed whereby to prevent vacuum locking of the float-controlled valve upon actuation of the pump after the liquid from a particular supply container has been dispensed.

2,258,637
PORTABLE DISPENSER FOR LUBRICATING OIL
Marvin S. Young, Scarsdale, N. Y., and Raymond B. Lewthwaite, Hasbrouck Heights, N. J., assignors to The Merlin Corporation, New York, N. Y., a corporation of Delaware
Application October 5, 1940, Serial No. 359,864
22 Claims. (Cl. 221—95)



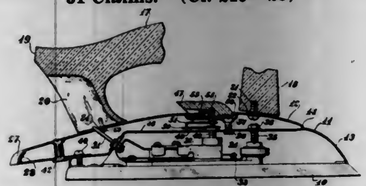
1. In a portable liquid dispenser for dispensing lubricant or the like from cooperating portable liquid supply containers, a portable carriage comprising a base and uprights extending vertically from said base, one of said uprights comprising a pump barrel having pumping means movable therein, another of said uprights comprising a vertical conduit to conduct liquid from the dispenser and having a delivery hose connected therewith, said base having a liquid inlet system including means for attaching and sealing a cooperating supply container thereto and means for opening such container to permit flow therefrom into and through the base, conduits in said base connecting said inlet system with said pump barrel and the aforesaid conduit and valve means in said conduits to prevent the flow of liquid therefrom toward said inlet system upon operation of said pumping means.

2,258,638
BONE CONDUCTION AUDIPHONE
William A. Zarth, Jamaica, N. Y., assignor to Dictograph Products Company, Inc., New York, N. Y., a corporation of Delaware
Application February 5, 1940, Serial No. 317,259
8 Claims. (Cl. 179—107)



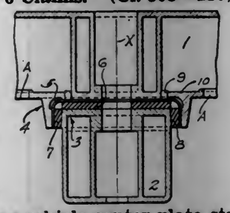
1. In a bone-conduction audiphone, the combination of a casing having a surface serving as a contactor adapted to be operatively connected with the bone structure of the user, said casing having openings in the opposite sides of the wall thereof, electromagnetic means within said casing including a magnet member, a voice coil adapted to be energized by varying currents within the audible frequency range and a reed member magnetically coupled to said coil and resiliently connected to said magnet member, means securing one of said members to said contactor, mechanical coupling means secured to one of said members and extending through said openings in the opposite sides of the wall of said casing and supporting means firmly connected to said mechanical coupling means for holding the corresponding member substantially stationary for vibration of said other member relatively thereto when said voice coil is energized, whereby the contactor transmits said vibrations through the bone to the inner ear when connected thereto by said supporting means.

2,258,639
ELECTRIC IRON
William A. Barnes, Mansfield, Ohio, assignor to Dominion Electrical Manufacturing Company
Application November 9, 1937, Serial No. 173,683
31 Claims. (Cl. 219—25)



22. An electric iron having a handle comprising, in combination, a base, a heating element positioned to heat said base, a plurality of heat shielding means positioned between said base and said handle, one shielding means engaging said base and the other shielding means being spaced from said base and supported on said base engaging shielding means and means for fastening said handle, heat shielding means and base together.

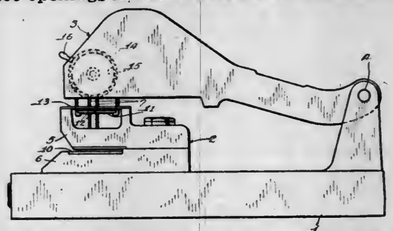
2,258,640
RAILWAY CENTER PLATE STRUCTURE
Edmund S. Beckette, East St. Louis, Ill., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Application November 23, 1938, Serial No. 241,883
6 Claims. (Cl. 308—137)



1. Railway vehicle center plate structure comprising relatively rotatable members with opposing upright walls in telescoping relation axially and converging in one direction of their telescoping movement, and rubber elements compressed between said walls by such telescoping movement to place said elements in shear whereby they yieldingly resist relative rotative movement of said members.

2,258,641
PERFORATING APPARATUS
John R. Below, Glen Ellyn, Ill., assignor to American Perforator Company, Chicago, Ill., a corporation of Illinois
Application October 30, 1939, Serial No. 301,895
2 Claims. (Cl. 164—111)

1. Apparatus for perforating any one of a plurality of parallel rectilinear series of spaces in a sheet, comprising a plurality of parallel rectilinear series of punches, one for each space, and means for selectively actuating said punches comprising an arbor having its axis parallel to the line of punches and movable toward and from said punches, and a matrix wheel rotatably mounted on said arbor and manually selectively adjustable to any one of a plurality of different positions, one for each of said selectively-engageable punches, said matrix wheel being provided with a plurality of rectilinear series of clearance openings, one series for each of said punches, each series comprising clearance openings in parallel rectilinear alignment with said rectilinear series of punches, there being clearance openings in each series for all but a selected

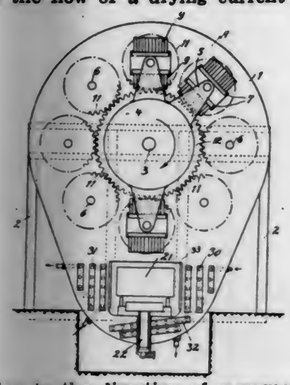


one of said punches whereby when the rotor is moved toward the punches only the selected punch is operated, each selected position of said matrix wheel causing the operation of a selected one of said punches, the selection of a punch being different for each different position of the matrix wheel, said clearance openings also being arranged in a plurality of circular series, all the clearance openings of each of said circular series lying in a plane perpendicular to the axis of the matrix wheel, there being clearance openings in each of said circular series, for the particular punch corresponding to said circular series, for all but one of the different manually selectable positions of the matrix wheel, said one position being different for each punch of said rectilinear series.

2,258,642
APPARATUS FOR PRODUCING ARTICLES FROM DISSOLVED PLASTIC SUBSTANCES BY IMMERSION
Albert Boecler, Berlin, and Kurt Bratring, Dahlem, Berlin, Germany, assignors, by mesne assignments, to Neocell Products Corporation, a corporation of Delaware
Application July 9, 1938, Serial No. 218,325
8 Claims. (Cl. 18—24)

1. A machine for the continuous production of articles from dissolved plastic substances by immersion, comprising a rotary supporting frame arranged to serve as a planet support, a plurality of mould supports disposed angularly to one another and rotatably mounted to act as planet elements about the periphery of the planet-supporting frame, each mould support comprising two oppositely mounted mould-supporting frames having a common axis of rotation, a central wheel rotatably mounted on the shaft of the supporting frame engaging with gear wheels mounted on the shafts of the mould supports, driving means for rotating the said central wheel, means for periodically coupling the shaft of the planet-supporting frame with the said driving means for the central wheel for moving a mould support out of the position of immersion and moving the next mould support into the immersion position, means for braking the shaft of the planet-supporting frame, means for adjustment by hand for locking the planet supporting frame

in the position of immersion, and means for causing the flow of a drying current of air in



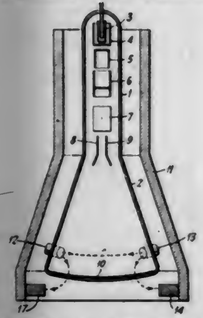
opposition to the direction of movement of the planet-supporting frame.

2,258,643

DISTORTION CORRECTION FOR CATHODE RAY TUBES

Johannes de Gier, Arie Andries Kruithof, and Frans Michel Penning, Eindhoven, Netherlands, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands, a corporation of the Netherlands

Application April 22, 1939, Serial No. 269,370
In Germany April 25, 1938
5 Claims. (Cl. 250—157)



1. In a cathode ray tube wherein is provided means for deflecting a beam of electrons over a target electrode, the method of reducing keystone distortion which comprises producing a plurality of magnetic fields immediately adjacent the target electrode, said fields being substantially independent of and non-reacting with said deflecting means, and regulating the intensity of the produced magnetic fields to provide a non-uniform field distribution over a surface immediately adjacent and equidistant from the target electrode.

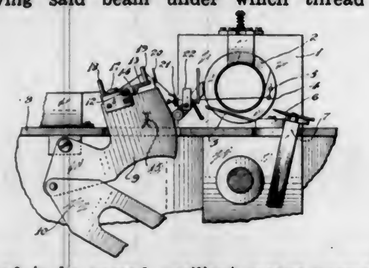
2,258,644

THREAD GRIPPING AND GUIDING DEVICE

Daniel Douglas Demarest, Little Neck, N. Y., and Carl Berendt, East Orange, and William Karius, Irvington, N. J., assignors to Automatic Linker, Inc., Newark, N. J., a corporation of New York

Application August 1, 1940, Serial No. 349,215
7 Claims. (Cl. 17—34)

5. In an automatic sausage linking machine, a thread gripping and guiding device, comprising an arm adapted to be periodically raised and lowered, a beam pivotally mounted on said arm, upstanding guide members mounted on each end of said beam, a member attached to said arm and overlying said beam under which thread is



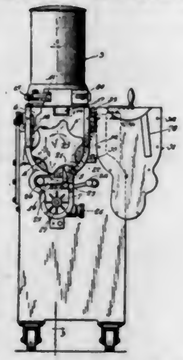
adapted to be passed, resilient means normally urging said beam into engagement with said overlying member, and means engageable with said beam at predetermined intervals to move the beam from engagement with said overlying member.

2,258,645

METHOD AND APPARATUS FOR MIXING EDIBLE MATERIALS

Arthur W. Farrall, Wilmette, and Rodney L. Hanson, Chicago, Ill., assignors to The Creamery Package Mfg. Company, Chicago, Ill., a corporation of Illinois

Application July 2, 1938, Serial No. 217,188
22 Claims. (Cl. 107—54)



1. Apparatus for collecting and feeding separable bodies of edible material and edible plastic material comprising a rotor having a plurality of circumferentially spaced pockets, means for supplying said separable bodies to said pockets as the rotor revolves, means for supplying said edible plastic material to said pockets as the rotor revolves, and means past which the pockets move successively for entering said pockets and removing the collected edible material from said pockets as the rotor revolves.

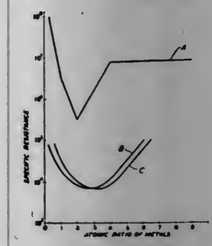
2,258,646

RESISTANCE MATERIAL

Richard O. Grisdale, Elmsford, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application May 17, 1939, Serial No. 274,114
12 Claims. (Cl. 201—76)

2. A resistance material consisting of a homogeneous combination of manganese oxide and an oxide from the group consisting of iron oxide and nickel oxide, and having a specific resistance dependent upon the atomic ratio of the constituent metals and a temperature coefficient of resistance substantially independent of said ratio.

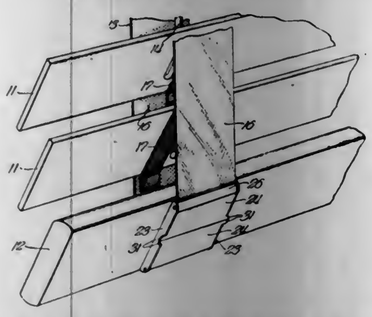


2,258,647

VENETIAN BLIND AND FASTENER THEREFOR

Harold R. Haase, River Forest, Ill.

Application January 7, 1939, Serial No. 249,773
2 Claims. (Cl. 156—17)



1. The combination of a Venetian blind including a plurality of slats, a bottom rail therebelow, a raising cord extending through the slats and the bottom rail and secured to the bottom rail, tilt tapes extending along the sides of the slats and secured to the bottom rail, and securing means for securing the tilt tapes to the bottom rail and concealing the cord therebelow comprising a double clip including a base having flanges forming sides of the clip, and one clip portion for each tilt tape, each including a handle portion formed as an extension thereof, the two handle portions in their normal position having lugs extending therefrom through notches in the sides of the clip and extending beyond the sides to form finger grips.

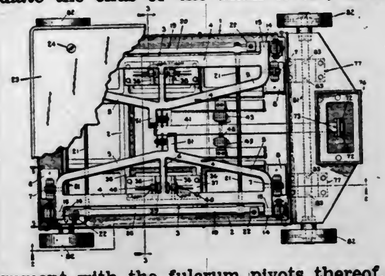
2,258,648

UNDERSTRUCTURE FOR WEIGHING SCALES

Harlan A. Hadley, St. Johnsbury, Vt., assignor to Fairbanks, Morse and Company, Chicago, Ill., a corporation of Illinois

Application February 16, 1939, Serial No. 256,691
8 Claims. (Cl. 265—71)

1. In a weighing scale, a plurality of fulcrum stands provided with fulcrum bearings, opposed main levers having spaced fulcrum pivots fulcrumed in the said bearings, and means independent of said fulcrum pivots and located intermediate the ends of the main levers, in axial



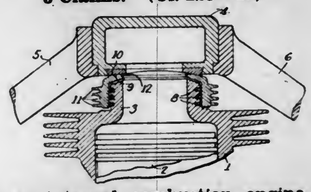
alignment with the fulcrum pivots thereof, for maintaining the position of the main levers.

2,258,649

INTERNAL COMBUSTION ENGINE

Rudolf Hasenzahl, Dessau, Germany, assignor to Gotthard Sachsenberg Zentralgesellschaft mit beschränkter Haftung, Berlin, Germany, a Germany society

Application February 4, 1939, Serial No. 254,577
In Germany February 5, 1938
3 Claims. (Cl. 123—44)



1. In an internal combustion engine having cylinders arranged in star shape, a port in the head of each of the cylinders arranged in a reduced neck portion thereof, an annular slide valve having ports herein for controlling the intake and exhaust of said cylinders, packing means including exterior cooling ribs and an inwardly turned flange with an annular surface adapted to engage the seat surface of said slide valve, said packing means being slidably disposed on exterior guiding surfaces of said neck portion, and means for protecting the inner edge of said annular flange surface from the direct attack by combustion gases, the inner surface of said neck portion being freely exposed to the action of the combustion gases without parts or portions of the packing means covering said surface or substantial parts thereof.

2,258,650

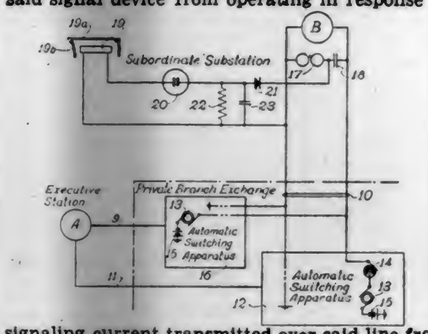
SIGNALING SYSTEM AND APPARATUS

Roswell H. Herrick, Oak Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application March 4, 1940, Serial No. 322,082
22 Claims. (Cl. 179—86)

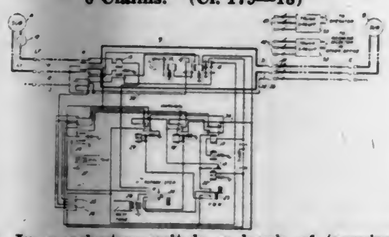
1. In a telephone system, a first substation, a line extending to said substation, an exchange terminating said line and including means for transmitting signaling current over said line, a second substation, automatic switching apparatus individual to said second substation and having direct access to said line, said automatic switching apparatus including means for transmitting signaling current over said line, a signal device provided at said first substation and operative in response to signaling current transmitted over said line through operation of said

last-named means, and means for preventing said signal device from operating in response to



signaling current transmitted over said line from said exchange.

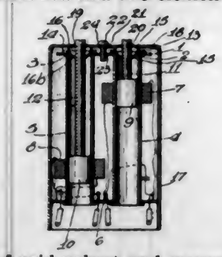
2,258,651
TELEPHONE SYSTEM
Henry Hovland, Williston Park, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 21, 1940, Serial No. 319,993
6 Claims. (Cl. 179—18)



1. In a selector switch, a bank of terminals, a set of wipers adapted to connect with any set of terminals in said bank, the terminals being divided into a plurality of groups, groups of trunks connected to the groups of terminals, an all-trunks-busy position for said wipers, means for directively advancing the wipers to select any desired one of said groups, means for automatically advancing said wipers to the first set of terminals in the selected group, means including the test wiper for testing each set of terminals engaged by the wipers and for continuing the advance of the wipers from one set of terminals to the next until the wipers engage the terminals of an idle trunk, said last-mentioned means being effective to advance the wipers to the all-trunks-busy position if all of the trunks in the selected group are busy, and means comprising contacts actuated when a particular one of said groups is selected for causing the advance of said wipers to the all-trunks-busy position irrespective of whether there is or is not an idle trunk in the selected group and for disconnecting the test wiper during said advance.

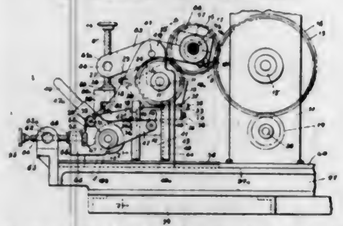
2,258,652
MOUNTING DEVICE FOR ADJUSTABLE INDUCTORS
Wilfred H. James, Chicago, Ill., assignor to Johnson Laboratories, Inc., Chicago, Ill., a corporation of Illinois
Application June 5, 1940, Serial No. 338,957
8 Claims. (Cl. 171—242)

1. The combination of a screw-threaded operating rod, a palnut forming the bearing for said screw-threaded rod and two elements disposed at



either end of said palnut and means for pressing said elements against said palnut to determine the ease of turning said operating rod.

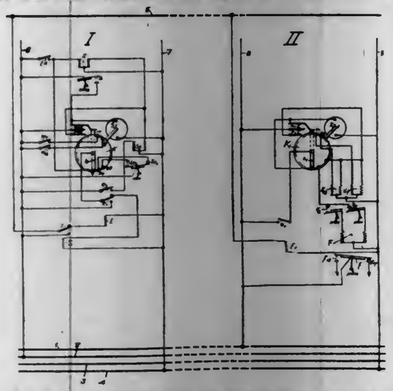
2,258,653
PRINTING FLUID DISTRIBUTOR FOR PRINTING MACHINES
Eugene H. Klingelfuss, Brooklyn, N. Y., assignor to Klingrose Machine Corporation, Brooklyn, N. Y., a corporation of New York
Application April 16, 1940, Serial No. 329,873
17 Claims. (Cl. 101—247)



1. A printing fluid distributor for a printing machine, comprising a printing fluid pan, an intaglio roller engaging into said pan and engraved to hold a predetermined amount of printing fluid, a doctor blade for the intaglio roller and mounted in said pan above the printing fluid level, means for slidably supporting said pan to move forwards and rearwards, and means for adjusting said pan forwards and rearwards for controlling the pressure of the doctor blade against said intaglio roller.

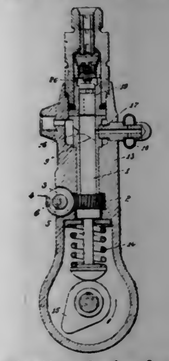
2,258,654
REMOTE CONTROL SYSTEM
Werner Koenig, Lucerne, Switzerland, assignor to Landis & Gyr, A.-G., Zug, Switzerland, a body corporate of Switzerland
Application July 21, 1939, Serial No. 285,679
In Switzerland July 21, 1938
1 Claim. (Cl. 177—353)

In a synchronous selector system, the combination of a transmission line, synchronously operating transmitting selector and receiving selector associated with said line, means at the transmitting selector for transmitting in different selected positions thereof current impulses over the line, means at the receiving selector responsive to one received impulse for preparing a selected circuit for energization, and to another impulse for completing the selected circuit and means for preventing the completion of a circuit in response to interfering impulses in the transmission line not the result of the operation of the transmitting means comprising a relay at the transmitting selector normally connected to the line to be operated by impulses thereover, means operated by the transmitting means for rendering the relay non-responsive to line impulses while the transmitting means operates to transmit impulses over the line and means operated by said relay



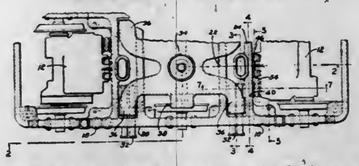
when operated by an interfering impulse for transmitting an impulse causing the nullifying of the preparation of the circuit, if prepared, and for preventing the transmission of the impulse causing the completion of the circuit.

2,258,655
ADJUSTING DEVICE FOR FUEL INJECTION PUMPS
Heinz Links, Gaggenau, Germany, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart, Germany
Application September 24, 1940, Serial No. 358,110
In Germany October 2, 1939
8 Claims. (Cl. 103—41)



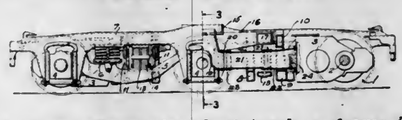
1. Single adjusting device for the plungers of a pump with several points of consumption, to be regulated jointly, comprising a cylinder with a corresponding plunger, the stroke volume being adjustable by means of rotating the plunger provided with a stop, the plunger being provided furthermore with a toothing which together with a toothing on the governor rod effects the rotation of the plunger, the toothing of the governor rod consisting of individual tooth elements arranged on the governor rod and individually adjustable independently of each other in respect to the latter in the form of liners, and finally means for effecting a finely adjustable and individual longitudinal displacement of the liners on the governor rod and furthermore a fixing in each position.

2,258,656
RAILWAY TRUCK
John A. McCormick, Overbrook Hills, Pa., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Application September 14, 1939, Serial No. 294,812
10 Claims. (Cl. 105—59)



1. In a railway truck, a frame including a hollow transverse transom, swing hangers pivotally suspended from said frame, leaf springs extending transversely of the frame and mounted on said swing hangers, a superstructure-supporting bolster having a center plate portion and arms extending therefrom longitudinally of the truck and spaced apart transversely of the truck with their ends resting upon said leaf springs at one side of said transom, an air conduit structure at the bolster side of said transom and positioned between said bolster arms and between the inner ends of said springs and arranged to conduct air from the superstructure to the interior of said transom independently of said bolster, and an air conduit structure leading from the opposite side of said transom for connection to an axle driving motor between said transom and the end of the truck.

2,258,657
RAILWAY MOTOR TRUCK
William H. Meyer, St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Application June 15, 1939, Serial No. 279,248
12 Claims. (Cl. 105—59)

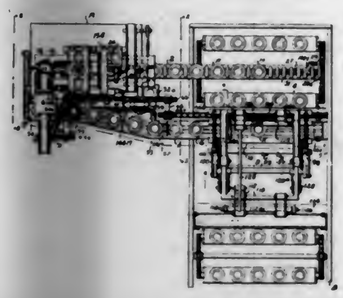


2. In a railway six wheel truck, a frame including a transverse transom having a horizontal opening extending therethrough longitudinally of the truck, a bolster overlying the middle axle of the truck and being at one side of said transom and movable relative thereto and including an air passage, an axle driving motor at the other side of said transom and a conduit movable with said bolster independently of said transom and leading from said bolster air passage through said transom opening to said motor.

2,258,658
APPARATUS FOR MAKING POTTERY WARE
William J. Miller, Swissvale, Pa.
Application July 15, 1938, Serial No. 219,385
16 Claims. (Cl. 25—22)

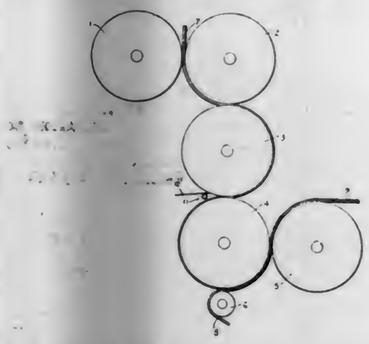
1. In apparatus of the class specified, the combination of a pottery fabricating machine having conveyors for empty molds and filled molds respectively, driving means for said fabricating machine and conveyors, a dryer having a chain conveyor with mold carrying trays, elongated gripping members operable to transport rows of empty and filled molds between the dryer conveyor and the fabricating machine conveyors,

means for causing the gripping members to exert a pressure on the pottery molds and means



operating in synchronism with said driving means for moving said gripping members.

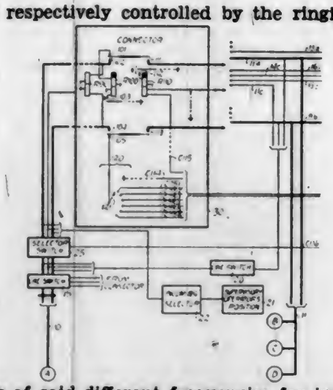
2,258,659
METHOD AND DEVICE FOR COATING SHEET MATERIAL
Arthur R. Mosier, Jr., Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
Application June 16, 1938, Serial No. 214,017
11 Claims. (Cl. 154—2)



1. Method of forming composite materials, which comprises forming a plastic sheet by passing a thermoplastic material through the nip of a pair of rotating cylindrical surfaces and deflecting said sheet at the nip from one of the rotating surfaces to the other by the single step of causing a blast of fluid to impinge on the sheet as it emerges from said nip.

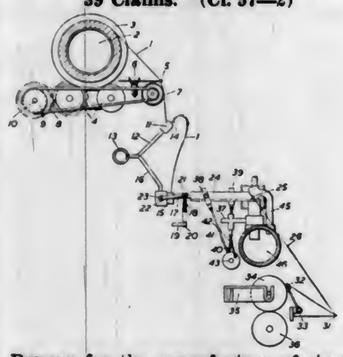
2,258,660
TELEPHONE SYSTEM
Seth E. Peterson, Chicago, and Morris E. Griffins, Riverside, Ill., assignors to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application April 11, 1940, Serial No. 329,087
53 Claims. (Cl. 179—27)

1. In a telephone system, a plurality of lines, means for setting up connections between said lines, means including two sources of ringing current having different frequencies for signaling over said lines, and a pair of call intercepting circuits each common to a group of said lines and respectively controlled by the ringing cur-



rents of said different frequencies for intercepting calls routed to certain of said lines.

2,258,661
PRODUCTION OF STAPLE FIBER YARNS AND LIKE PRODUCTS
William Pool, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware
Application November 22, 1939, Serial No. 305,635
In Great Britain December 1, 1938
39 Claims. (Cl. 57—2)

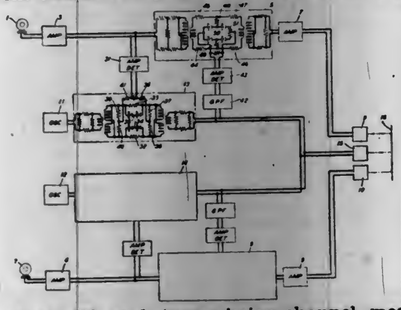


1. Process for the manufacture of staple fiber yarn, said process comprising feeding a succession of flat, wide groups of separated fibers to the tail of a staple fiber yarn being produced in a direction across the length of said tail, inducing a gaseous vortex having said tail as its axis of rotation so that said tail is rapidly rotated solely by the action of said vortex and the ends of said groups of fibers are taken up by said tail, said vortex having an axial component away from said tail whereby each group of fibers successively is drawn away, after its ends are taken up, to form a new tail to said yarn, and continuously drawing away said staple fiber yarn, as it is formed, against the drag of said axial component.

2,258,662
SOUND TRANSMISSION SYSTEM
William B. Snow, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 5, 1940, Serial No. 328,078
8 Claims. (Cl. 179—1)

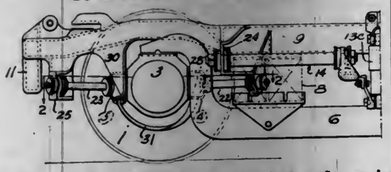
1. In a transmission system, a source of sound,

a plurality of detectors for converting sound waves from said source into electrical waves, a plurality of transmission channels respectively associated with said detectors, means individual to each of said channels for controlling the transmission of electrical waves through said channel, a plurality of sources of electrical currents of different constant frequencies, one source being as-



sociated with each transmission channel, means individual to each of said sources of constant frequency current for controlling the output of said source in accordance with a function of the electric wave transmitted through the channel, means for combining the output of all of said control means in a single transmission channel separate from the channels transmitting said electrical waves.

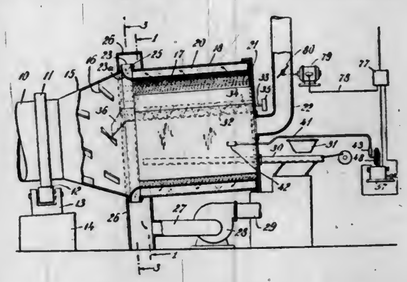
2,258,663
RAILWAY TRUCK STRUCTURE
James C. Travilla, Jr., University City, Mo., and Robert R. Cease, Nameoki, Ill., assignors to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Application August 4, 1940, Serial No. 351,328
13 Claims. (Cl. 105—218)



1. In a railway truck, a wheeled axle, a journal box thereon, a truck frame supported from said box, and an anchorage device between said frame and each side of the box and extending diagonally of the length and width of the truck and cooperating to yieldingly resist relative movement of said box and frame longitudinally and transversely of the truck.

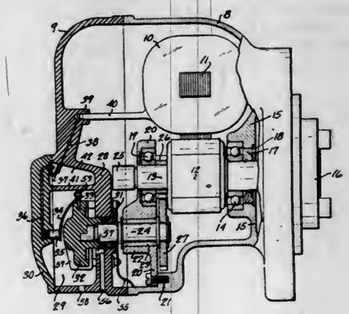
2,258,664
ROTARY KILN
Michael Treshow, Los Angeles, Calif., assignor to F. L. Smidth & Co., New York, N. Y., a corporation of New Jersey
Application June 11, 1940, Serial No. 339,838
6 Claims. (Cl. 263—32)

1. A method of making cement by burning a raw material mixture which gives off volatile substances at the temperature at which the material is burned, comprising burning fuel in a kiln, forming a permeable layer of the raw materials, passing part of the hot exhaust gases from the kiln through the layer to preheat the materials, by-passing the remainder of said gases around the layer, supplying the preheated materials to the kiln to be burned therein, the volatile substances passing off with the exhaust gases and that portion of the substances present in the



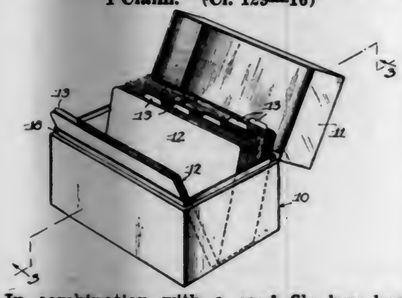
gases passing through the layer being deposited therein, and controlling the amount of such substances deposited throughout the layer by regulating the proportions of the hot exhaust gases which are, respectively, passed through the layer and by-passed around it.

2,258,665
MAGNETO
Edward A. Vogel, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application June 14, 1939, Serial No. 279,009
3 Claims. (Cl. 171—209)



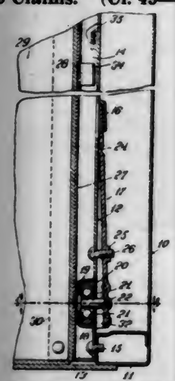
1. In combination in a magneto, a metal casing providing a magneto chamber, a distributor housing of insulating material detachably mounted on said casing and including a dividing wall between the magneto and distributor chambers, a discharge terminal mounted for rotation in the distributor chamber, a pair of fixed, relatively spaced terminals mounted on the distributor housing at one side of the axis of rotation of said discharge terminal and adapted for sequential communication therewith, a pair of fixed, relatively spaced grounding terminals mounted on and extending through said dividing wall and arranged for sequential communication with said discharge terminal, and a ground conductor mounted on said dividing wall and located within the magneto chamber, said ground conductor interconnecting said ground terminals and having a yieldable end portion bearing upon an inner surface of said metal casing.

2,258,666
CARD FILE
Louis C. Walker, North Muskegon, Mich., assignor to The Shaw-Walker Company, Muskegon, Mich., a corporation of Michigan
Application June 4, 1940, Serial No. 338,759
1 Claim. (Cl. 129—16)



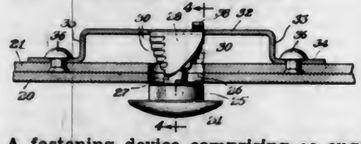
In combination with a card file box having bottom, ends and front and rear walls, and means providing an inwardly extending horizontal shoulder near the tops of said front and rear walls, a supplemental card support comprising a bottom member approximately the length of the bottom wall of said box and upright wings, said wings being rearwardly and forwardly inclined and being of a depth to be engaged under said shoulders.

2,258,667
ROLLER BEARING MOUNTING FOR DRAWERS AND THE LIKE
Stanley G. Wogulis, Geneva, Ill., assignor to Modern Steel Equipment Company, Geneva, Ill., a corporation of Illinois
Application June 22, 1940, Serial No. 341,880
10 Claims. (Cl. 45—77)



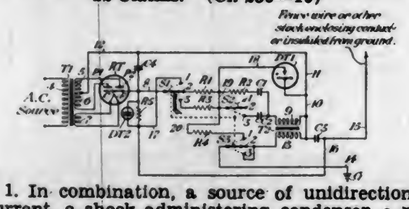
1. A roller bearing mounting for horizontally slidable drawers comprising an elongated channeled track member adapted to be secured to the side wall of a drawer opening and provided with an opening in the channel portion; a plate secured to the rear side of the track member and provided with a roller bearing adapted to extend through the opening in the track member; adjustable means whereby said plate may be laterally adjusted and the extent of protrusion of the roller bearing through the opening in the track member controlled; and a guide element on the drawer side wall adapted to ride across the top of the roller bearing.

2,258,668
FASTENING DEVICE
Victor F. Zahodiakin, Maplewood, N. J.
Application November 22, 1940, Serial No. 366,527
12 Claims. (Cl. 85—5)



1. A fastening device comprising co-engaging elements, one of said elements being resilient and slotted, the other said element being rotatable and having a head at one end and helical blades at its other end for entry in said slotted element, and a stepped shoulder on each of said blades for locking engagement with the slotted element upon advancing rotation of the helical blades.

2,258,669
ELECTRICAL FENCE CHARGING APPARATUS
Norman F. Agnew and Willard P. Place, Wilkinsburg, Pa.
Application June 6, 1939, Serial No. 277,676
12 Claims. (Cl. 256—10)

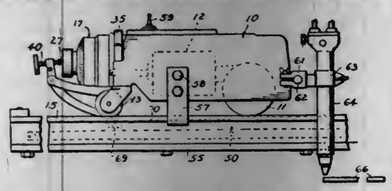


1. In combination, a source of unidirectional current, a shock administering condenser, a resistor, means for charging said condenser from said source through said resistor, an impulse transformer, a discharge device, means for discharging said condenser through the input winding of said transformer and said discharge device when the accumulated charge on said condenser reaches the breakdown potential of said discharge device, said discharge occurring periodically at a rate determined by the constants of said resistor, said condenser and said discharge device to thereby induce periodic voltage impulses of sufficiently high peak value for shock purposes in the output winding of said impulse transformer, a bias condenser connected in the output circuit of said transformer, means for charging said bias condenser from said unidirectional source, an enclosing conductor, and means for impressing said voltage impulses augmented by the charge from said bias condenser between said enclosing conductor and ground.

2,258,670
SPEED CONTROL OF TORCH CARRIAGES
James L. Anderson, Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application May 2, 1940, Serial No. 332,929
16 Claims. (Cl. 113—59)

1. In a self-propelled torch carriage having a motor and a governor for controlling the motor speed, a governor adjustment for changing the speed at which the governor becomes effective, yielding means urging the governor adjustment in one direction, and cam-follower means associated with the governor and constructed and arranged to cooperate with cam means located along

the course of the carriage for moving and hold-



ing the governor adjustment against the force of said yielding means.

2,258,671
REFINING OF FAT-SOLUBLE VITAMIN-CONTAINING MATERIALS
Loran O. Buxton, Belleville, N. J., assignor to National Oil Products Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application January 27, 1940, Serial No. 315,926
13 Claims. (Cl. 260—420)

1. A process of removing objectionable tastes and odors from fat-soluble vitamin-containing materials, which comprises heating a fat-soluble vitamin material selected from the class consisting of fish oils, fish liver oils and concentrates thereof with a sugar at a temperature between about 100° C. and about 200° C.

2,258,672
PROCESS FOR REFINING FATTY SUBSTANCES
Loran O. Buxton and Howard B. Colman, Belleville, N. J., assignors to National Oil Products Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application February 6, 1940, Serial No. 317,524
17 Claims. (Cl. 260—420)

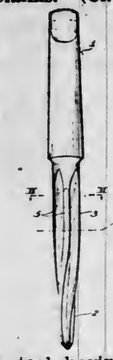
1. A process for the removal of undesirable tastes and odors from fatty substances objectionable in these respects, which comprises subjecting a fatty substance having an objectionable taste and odor, said substance being in liquid condition and substantially free of mineral acids, to the action of vapors of an aliphatic aldehyde having a boiling point below about 200° C., said process being carried out at a temperature between about 100° C. and about 175° C.

13. A process for refining fish liver oils, which comprises subjecting a fish liver oil to the action of formaldehyde vapors at a temperature between about 100° C. and about 175° C. in an inert gas atmosphere and under reduced pressure.

2,258,673
PROCESS FOR TREATING FAT-SOLUBLE VITAMIN-CONTAINING MATERIALS
Loran O. Buxton, Belleville, N. J., assignor to National Oil Products Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application February 7, 1940, Serial No. 317,685
13 Claims. (Cl. 260—420)

1. A process for the preparation of substantially odorless and tasteless oils and fats from oils and fats having objectionable tastes and odors, which comprises contacting a substance selected from the group consisting of oils and fats having objectionable tastes and odors with an edible gum at a temperature between about 100° C. and about 200° C.

2,258,674
REAMER
George D. Ceska, Dormont, Pa.
Application March 5, 1940, Serial No. 322,354
2 Claims. (Cl. 77—72)

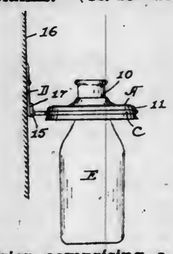


1. A reaming tool having a conical forward portion that tapers outwardly from the point of the tool and having a cylindrical rear portion adjoining and of the same diameter as the rear end of said forward portion, the face of the tool being provided with plain-faced cutting flutes which extend continuously on said conical and cylindrical portions, the flutes themselves being helical upon said conical portion to effect feeding of the tool to the work and being straight and parallel to the longitudinal axis of the tool on its cylindrical portion.

2,258,675
MINERAL WELDING FLUX AND METHOD
Willi M. Cohn, El Cerrito, Calif.
No Drawing. Continuation of application Serial No. 295,633, September 19, 1939. This application February 12, 1941, Serial No. 378,599
4 Claims. (Cl. 219—10)

1. An electric arc welding flux comprising a major portion of anhydrous crystalline mullite and substantially devoid of free silica.

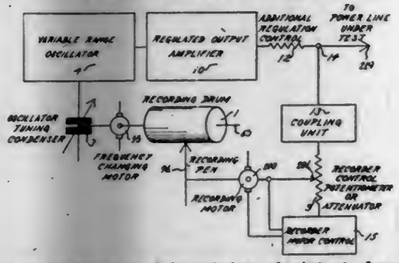
2,258,676
BOTTLE DRIER
Clyde N. De Lano, Los Angeles, Calif.
Application November 18, 1940, Serial No. 366,057
2 Claims. (Cl. 15—210)



2. A bottle drier, comprising, a supporting annulus, an elastic diaphragmatic squeegee having an aperture adapted to receive the neck followed by the body of a bottle while the squeegee stretches to permit the bottle passing upwardly therethrough, said squeegee having its rim engaged over said annulus, a contractible clamp embracing and holding the rim of the squeegee on said annulus and a hinge support in which said clamp is journaled to extend outwardly or fold inwardly having means for automatically con-

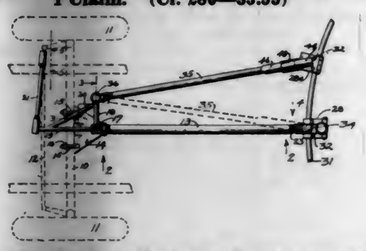
tracting the clamp during said outward movement to hold the squeegee firmly upon said annulus when a bottle is thrust through said aperture.

2,258,677
ELECTRICAL APPARATUS
Willis Robert Dresser, Stratford, Conn., assignor to Tobe Deutschmann Corporation, Canton, Mass.
Application February 2, 1937, Serial No. 123,623
3 Claims. (Cl. 175—183)



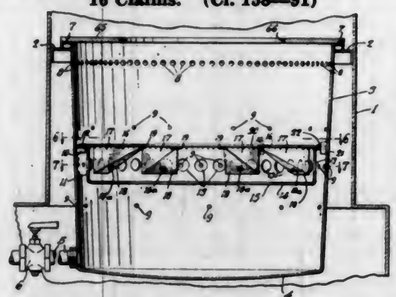
1. A method of determining electrical characteristics of electrical apparatus which comprises impressing upon the electrical apparatus a predetermined current source of continually varying frequency, the current source being of such a character that a change in load of the electrical apparatus will correspondingly change the voltage impressed and recording the voltage variations as ordinates for the continually varying frequencies.

2,258,678
TRAILER HITCH AND STEERING DEVICE
Claude K. Elwood, Glendo, Wyo.
Application June 28, 1940, Serial No. 342,989
1 Claim. (Cl. 280—33.55)



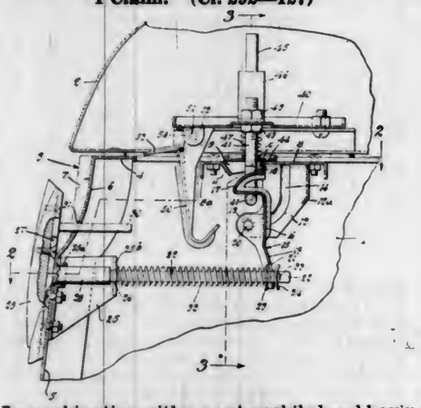
A trailer hitch and steering device comprising, in combination, a tongue, means at one end thereof for effecting an attachment to a trailer axle, means at the other end thereof for effecting a connection with a towing vehicle, a pivot carried by and extending upwardly from the tongue adjacent the axle attaching means, a bell crank lever operatively secured to the pivot, a steering bar having one end pivotally connected with the free end of one of the bell crank arms, the other end of the steering bar having a two-part socket, means for moving one part of the socket relative to the other to engage and disengage a cooperating ball member, a ball member mounted on the tongue for cooperatively engaging the two-part socket on the steering bar for forming a stress triangle consisting of the tongue, the steering bar and one arm of the bell crank lever, the two-part socket serving the dual purpose of connecting the steering bar either to the tongue or to a similar ball member carried by the tractor.

2,258,679
RECIRCULATING GASIFIER OR PILOT
Bruce Hayter, Santa Fe, N. Mex., assignor to Oil Devices, Santa Fe, N. Mex., a limited partnership of Illinois
Application October 21, 1939, Serial No. 300,592
16 Claims. (Cl. 158—91)



1. In a pot type burner, a pot having a circumferential wall provided with a plurality of air inlets located at various levels, means for delivering a fuel to said pot, a transversely extending generally horizontal gasifier structure in said pot intermediate the upper and lower apertures, said gasifier including a ring having a central aperture, a skirt depending from said ring and including a portion generally parallel with the circumferential wall of the pot, said skirt being formed with apertures aligned with corresponding apertures in said pot, and means for directing air inflowing through some of said skirt apertures to the space in the pot above said gasifier structure without passing through said central aperture.

2,258,680
FRONT CONTROL HOOD LATCH
Rowland Hill, Chicago, Ill., assignor to Chicago Forging & Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application March 23, 1939, Serial No. 263,650
1 Claim. (Cl. 292—127)



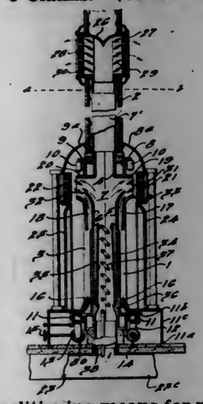
In combination with an automobile hood having a front grille and a hood closure with a downwardly extending combined keeper and centering member, a latch support mounted on the hood and apertured to receive said keeper and centering member in guiding relationship, and means for holding said keeper and centering member against upward movement through said aperture, including a latch member mounted on said latch

support for rotation about a generally horizontal transverse axis, said latch member including a keeper engaging arm extending upwardly above said axis but located below said aperture, and an actuating arm extending below such axis, a handle exteriorly positioned at the forward end of the hood and on the front grille, located below the junction between the hood and the hood closure, the grille being recessed to the rear of the handle for ready access of the hand to the handle, an actuating rod rearwardly extending from the handle, guiding means for the rod, a direct rocking connection between a lower portion of the actuating arm of the latch and an inner portion of the rod, yielding means adapted normally to rotate said latch toward latching position, the upper arm of the latch including a nose adapted to interpenetrate with the keeper in locking relationship, and a cam portion adapted to be overridden by the keeper when the keeper is moved downwardly toward locking position.

2,258,681
METHOD OF JOINING
Gustav O. Hoglund, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application April 14, 1939, Serial No. 267,915. In Canada April 15, 1939
3 Claims. (Cl. 113—112)

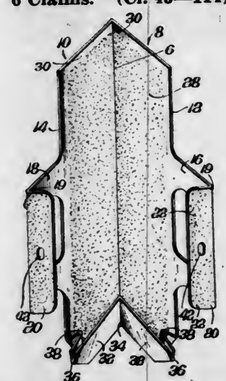
1. The method of joining contiguous parts into a unitary structure which comprises providing at least one part of said structure as a composite aluminous body comprising a core and a coating, said coating consisting of an aluminum base alloy containing from about 2 per cent to about 12 per cent silicon and being integrally joined to said core by an alloy bond, assembling said parts into structure-forming relationship, applying a flux at points of jointure, and thereafter heating said assembly to render said coating sufficiently plastic to effect joining of said parts.

2,258,682
AIR CONDITIONING SYSTEM
Edward Kent, Highland Park, Mich.
Application May 8, 1939, Serial No. 272,362
8 Claims. (Cl. 237—51)



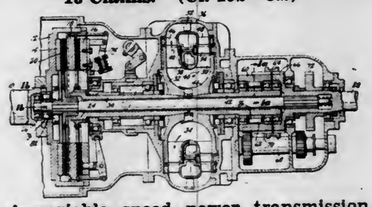
7. Air conditioning means for rooms of a building separated by a partition wall comprising a pair of grates arranged in the partition wall, the back walls of the grates being in opposed and spaced relation, providing a passageway therebetween, means for supplying heat to the front of the wall of each of the grates, means providing for a supply of air to the face of the grates, a transparent shield separating the faces of the grates from the interior of the respective rooms, means for supplying air to the passageway between the grates, there being an opening for discharge of air to the respective rooms at the top of each of the grates, the said upper end of the passageway being arranged to discharge the heated air from the face of the grate to the air stream prior to passing into the room, a vertical conduit above the grates providing a continuation of the said passageway therebetween, and openings on each side of the said vertical conduit for discharging air to opposite sides of the partition, and means for supplying moisture to the air stream prior to discharge into the respective rooms.

2,258,683
INSECT TRAP
Robert Ketterer, Philadelphia, Pa.
Application December 28, 1940, Serial No. 372,109
6 Claims. (Cl. 43—114)



6. A device of the character stated comprising a pair of hinged body portions having their juxtaposed surfaces covered with an insect-attracting adhesive, a pair of handles projecting from corresponding edges of said body portions, and tabs formed at the ends of said handles and adapted to engage a support, said tabs being deflectable at an angle with respect to said handles.

2,258,684
VARIABLE SPEED POWER TRANSMISSION
Alf Lysholm, Stockholm, and Gustav Karl William Boestad, Lidingo, Sweden, assignors, by mesne assignments, to Jarvis C. Marble, Leslie M. Merrill, and Percy H. Batten, trustees
Application June 26, 1936, Serial No. 87,380
In Germany July 2, 1935
13 Claims. (Cl. 192—3.2)



1. A variable speed power transmission for transmitting power from a driving member to a

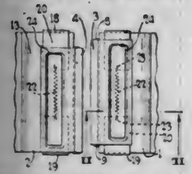
driven member including variable speed hydraulic power transmitting mechanism having a pump wheel and a turbine wheel arranged in a common working chamber in which working fluid is circulated in a closed path of flow whenever the pump wheel is rotated, an overrunning clutch for transmitting power from said turbine wheel to said driven member when the turbine wheel tends to rotate faster than the driven member and a second overrunning clutch for transmitting power from the driven member to the pump wheel when the driven member tends to rotate faster than the driving member.

2,258,685
COMBINATION MEMORANDUM PAD AND ILLUMINATING DEVICE
Alfred Mattiatzki, New York, N. Y.
Application August 8, 1938, Serial No. 223,740
3 Claims. (Cl. 240—6.4)



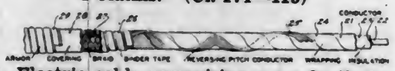
1. In a writing pad device and the like having an electric lamp for illuminating the surface of said pad; a switch block provided with a bore and carrying said lamp, a member provided with a flat part, said member being removably slidable in said bore, contact bars mounted on said block for conducting current from a supply source to said lamp, one of said bars being movable relatively to the other of said bars and having a looped portion, said block having an opening and a cut-out, said opening and said cut-out communicating with said bore, and catch means on said block and provided with a projection, said looped portion protruding through said cut-out and said projection extending through said opening into said bore, said looped portion and said projection being actuatable by said member to connect and disconnect contact between said bars, said catch means being adapted to maintain said contact disconnection upon engagement of said projection with said flat part of said member and subsequent sliding movement of said member along and out of said bore.

2,258,686
VISE
Nathaniel M. Olney, Jersey City, N. J.
Application March 11, 1941, Serial No. 382,699
1 Claim. (Cl. 81—38)



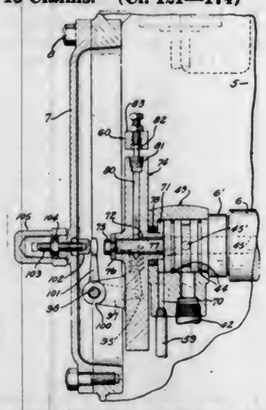
In a vise jaw cover, including, in combination: two end plates, each end plate formed with substantially a right angle bend intermediate its ends, one portion of one end plate on one side of the bend adapted to rest against the end face of a vise jaw and one portion of the other plate on one side of the bend adapted to rest against the other end face of a vise jaw, the other portions of each of the end plates adapted to rest upon the top face of a vise jaw, a spring interposed between the end plates and attached to each whereby they are drawn toward each other and tightly against the end faces of a vise jaw, a supporting plate formed with a bend somewhat less than a right angle therein, one portion adapted to be positioned on the top face of a vise jaw above the end plates formed with opposing grooves embracing those portions of the end plates adapted to lie upon the top of a vise jaw whereby the plate may slide longitudinally, the other portion of the plate adapted to lie against the face of a vise jaw, a relatively soft material face plate formed with a groove in the edge thereof, and means provided on that portion of the supporting plate adapted to lie against the face of a vise jaw for supporting said relatively soft material face plate.

2,258,687
CONCENTRIC CABLE
Thomas F. Peterson, Worcester, Mass.
Application August 31, 1937, Serial No. 161,814
4 Claims. (Cl. 174—115)



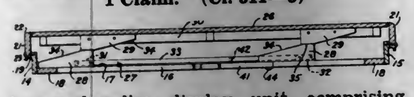
1. Electric cable comprising a conductive core, a plurality of generally parallel strands of electrically conducting elements helically disposed about the core in a layer concentric with the core and insulated therefrom and with the direction reversed periodically along the length of the core, and means for maintaining the strands about the core, said means including a wrapping having a uni-directional pitch about the core and a shorter pitch than the helical strands.

2,258,688
GOVERNOR
Everett C. Read, Milwaukee, Wis., assignor to The Filer & Stowell Co., Milwaukee, Wis., a corporation of Wisconsin
Application November 15, 1940, Serial No. 365,794
15 Claims. (Cl. 121—174)



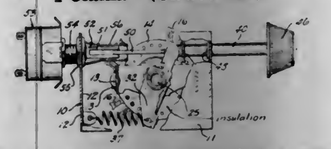
13. A governor for steam engines of the type having a housing and an engine shaft actuated distributing valve gear including a shiftable eccentric sheave mounted on the engine shaft and weighted so as to be shifted with respect thereto under the influence of centrifugal force to decrease the cut-off and comprising a fluid pressure motor operatively interposed between the shaft and the sheave and acting when supplied with fluid under pressure to cause the sheave to shift with respect to the shaft to increase the cut-off, means for varying the pressure of the fluid supplied to the motor and including an oil relief valve, means driven in timed relation to the engine tending to open said oil relief valve under the influence of centrifugal force, a spring for biasing the oil relief valve to closed position, adjusting means for varying the tension of the spring, and a remote control device mounted on the exterior of the engine housing and interconnected with said adjusting means to vary the action thereof.

2,258,689
MERCHANDISE DISPLAY TABLE
Leo Roselyn, San Francisco, Calif.
Application May 31, 1940, Serial No. 338,134
1 Claim. (Cl. 311—3)



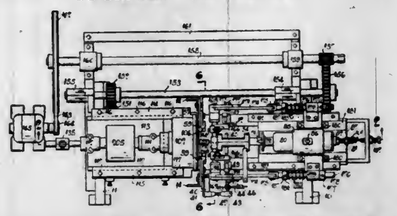
A merchandise display unit comprising a frame including a pair of vertically disposed sides and a pair of vertically disposed ends connecting said sides, a rim fastened to the exterior surfaces of said sides and ends to extend above the same, a rack movably supported on said frame, cam runners on said rack, a table top, cams depending from said top and engaging said cam runners; said table top being adapted in one operative position to seat on the tops of said sides and said ends below said rim and being adapted in another operative position to lie flush with the top of said rim, and means for moving said rack to raise and lower said table top through the medium of said engaging cam runners and cams.

2,258,690
PUSH BUTTON CONTROL DEVICE FOR RADIO RECEIVERS
Harry W. Rubinstein, Milwaukee, Wis., assignor to Globe-Union, Inc., Milwaukee, Wis., a corporation of Delaware
Application October 9, 1939, Serial No. 298,588
1 Claim. (Cl. 200—18)



A switch mechanism comprising a mounting plate having a body portion and flange portions, a pair of switch sections, each switch section including a stator and a rotor disposed within the confines of the stator, said sections being in alinement and secured to said mounting plate on opposite sides of said body portion, a bearing opening in said body portion, a rotor operating shaft rotatably supported in said opening and coupled to each of said rotors, openings in said flange portions, said openings being in alinement and having their common axis offset from the axis of the bearing opening in said body portion, a control shaft supported for axial and rotary movement in one of said openings, said shaft having its inner end adapted for a sliding coupling with the operating shaft of an electrical control instrumentality when secured to a flange portion with such operating shaft rotatably secured in the other of said openings, and motion transmission means between said control shaft and said rotor operating shaft.

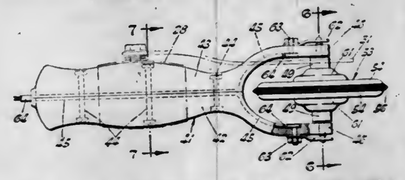
2,258,691
METHOD AND MEANS FOR SPINNING RIMS ON SPOOL HEADS
Edgar A. Terrell, Charlotte, N. C.
Application May 17, 1939, Serial No. 274,217
14 Claims. (Cl. 113—52)



1. In a machine for spinning a preformed cup-shaped annular metallic rim onto the peripheral portions of a circular spool head having preformed circular cavities in its side surfaces adjacent the periphery thereof, a magazine for supporting a plurality of the rims, means for supporting the spool, means controlled by the supported spool for releasing a rim from the magazine, means for arresting the rim and supporting the same in axial alinement with the spool, a driven sleeve member, a chuck on the sleeve member, means for moving the spool and the rim against said chuck, means for imparting rotation to the sleeve member for rotating the spool, forming means disposed inside the sleeve member and being operable automatically to move into engagement with one edge of the rim to spin the same into the cavity in the side of the spool head disposed adjacent the chuck, and other forming means operable automatically for engaging the other edge of the rim and spinning it into the preformed cavity in the other side of the spool head.

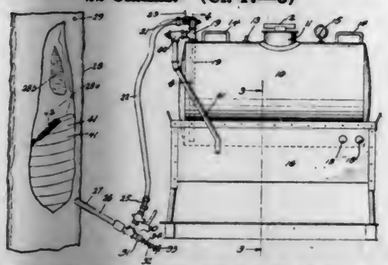
9. That method of placing a cup-shaped metallic rim on a circular-disk-like spool head which comprises positioning the spool and a preformed rim in axial alinement, producing relative longitudinal movement between the spool and the rim to force the rim around the periphery of the spool head, imparting rotary motion to the spool and rim, and simultaneously engaging the edge and bottom portions of the rim with forming members to spin the rim into intimate contact with the periphery and opposed side surfaces of the spool head.

2,258,692
ELECTRICAL GLASS SPLITTING MACHINE
Joseph F. Turke, Collins, N. Y.
Application April 19, 1939, Serial No. 268,797
3 Claims. (Cl. 49—50)



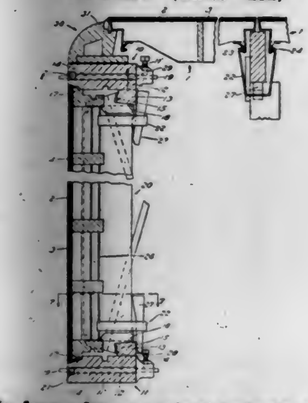
1. In a device for severing glass and the like, a wheel of insulating material, an electrical resistance element supported by the wheel and extending around the periphery thereof for rolling contact with the surface of the material to be severed, a handle unit and means mounting the wheel for rotation relative to the handle.

2,258,693
METHOD AND APPARATUS FOR TREATING DECAYED TREES
George Van Yahres, Westbury, N. Y.
Application November 3, 1938, Serial No. 238,543
22 Claims. (Cl. 47—8)



1. The method of treating a tree having a decay cavity which comprises substantially closing the mouth of the cavity, causing air to flow through the cavity at an elevated temperature, at least substantially filling the cavity with a life-destroying fluid, venting the fluid from the cavity, and conducting into the cavity in liquid form a substance adapted to solidify therein.

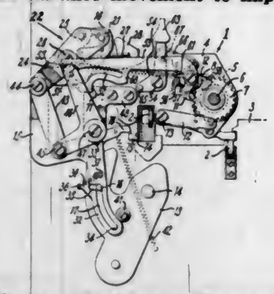
2,258,694
FORM FOR CONCRETE STRUCTURES
Axel G. W. Wedberg, Chicago, Ill.
Application March 3, 1939, Serial No. 259,552
In Sweden February 25, 1938
5 Claims. (Cl. 25—131)



1. In forms for concrete structures, a liner including a shoe having an inclined face, and a truss having an inclined end surface complementary to and engaging said shoe face.

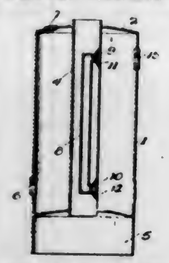
2,258,695
VARIABLE PAPER FEEDING MECHANISM FOR ACCOUNTING MACHINES
Walter A. Anderson, Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application June 26, 1940, Serial No. 342,546
2 Claims. (Cl. 197—114)

1. In a machine of the class described, a shaft, a platen thereon, and a line spacing mechanism therefor, including a ratchet wheel connected to the shaft, an arm pivoted on the shaft and carrying a pawl to cooperate with the ratchet wheel, an actuator having a constant advance and return movement, means, including a pitman, connected to the arm and to the actuator, means normally urging the pitman to follow the actuator in its advance movement to impart move-



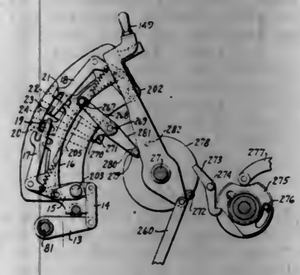
ment to the arm, shoulders on the pitman, spaced apart to determine different stopping positions for the pitman, and a manipulative stop movable into the path of either of the shoulders to arrest the advance movement of the pitman, to control the advance of the pawl.

2,258,696
STORAGE WATER HEATER
Paul L. Betz, Baltimore, Md., and Sebastian Karrer, Washington, D. C., assignors to Consolidated Gas Electric Light and Power Company of Baltimore, Baltimore, Md., a corporation of Maryland
Application August 11, 1937, Serial No. 158,556
6 Claims. (Cl. 122—16)



5. In a storage water heater, in combination with a storage tank and a flue through which products of combustion are passed to impart heat to the water in said tank, means for providing water at a relatively high temperature at the top of said tank in advance of heating the entire body of water in said tank to a like temperature, said means including a water leg disposed in said flue and communicating at opposite ends with said tank, the outlet of said water leg being adjacent the top of the tank and said water leg having a cross section such that the flow that would be normally induced therethrough by the heating of the water in said water leg would result in only a relatively small rise in the temperature thereof, means for constricting said water leg and predetermining the rate of flow therethrough so that the water flowing from said water leg shall raise the temperature at the top of the tank to substantially that which it is desired to deliver from the outlet of said tank, and thermally responsive means subject to the temperature at the top of said tank for increasing the effective aperture of said constrictor if the temperature at the top of said tank exceeds a predetermined maximum, whereby the rate of flow of water through said water leg is increased.

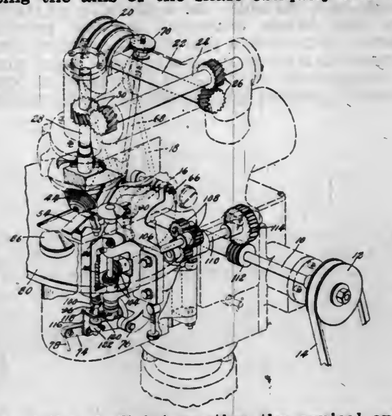
2,258,697
BOOKKEEPING MACHINE
Ernst Breitling, Berlin, Germany, assignor, by mesne assignments, to The National Cash Register Co., Dayton, Ohio, a corporation of Maryland
Application September 28, 1934, Serial No. 745,860
In Germany October 3, 1933
8 Claims. (Cl. 235—6)



3. In a machine having an add and subtract totalizer, said totalizer having an add side and a subtract side; classification totalizers, one associated with each side of the add and subtract totalizer; actuators for all of said totalizers; means to select the add or subtract side of the add and subtract totalizer for data-entering operations and for balancing operations; control keys to control the selection of the classification totalizers to receive entries during a balance operation; settable means adjusted under control of the control keys to determine which side of the add and subtract totalizer is to be selected; a balance lever movable from an add position into a balance position to condition certain elements of the machine for taking a balance from the add and subtract totalizer; means to actuate the classification totalizer selecting control keys; and mechanism connected with the balance lever and operated by the balance lever to operate said control key actuating means as the balance lever is moved toward its balance position to operate a control key and, through the operated control key, to simultaneously adjust the settable means to select the side of the add and subtract totalizer associated with the selected classification totalizer; the combination of means including an element having a projection extending into the path of movement of the balance lever so as to be actuated by the balance lever as the lever is moved into its balance position whereby the last-named means is actuated to operate the means to select the add or subtract side of the add and subtract totalizer after the balance lever through said mechanism has adjusted the settable means in accordance with a selected classification totalizer.

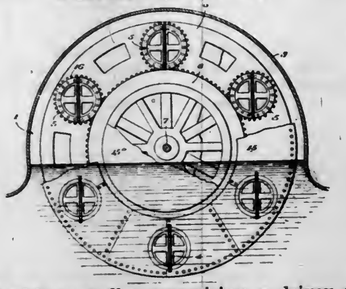
2,258,698
ROUGHING MACHINE
Charles G. Brostrom, Salem, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application November 13, 1939, Serial No. 303,979
7 Claims. (Cl. 69—1)

1. In a roughing machine, a rotatable shaft, a tool carrier mounted upon the shaft, a roughing tool having a conical operating face journaled to rotate in the carrier, the axis of the cone intersecting the axis of the shaft obliquely and the



axis of the shaft intersecting the conical operating face of the tool at right angles.

2,258,699
PROPELLER
Domingo Calvo-Mackenna, Santiago, Chile
Application February 9, 1940, Serial No. 318,145
4 Claims. (Cl. 115—49)

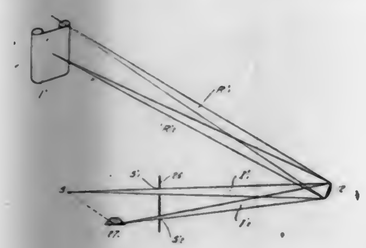


1. A ship propeller comprising, a driven shaft, two similar axially aligned wheels, a transmission connecting said shaft and said wheels for driving the latter as a unit, paddles mounted for pivotal movement between said wheels but bodily movable thereby, a gear wheel attached at each end of each paddle for movement therewith, and two gears keyed to said shaft for unitary movement therewith, one of said gears engaging all of the gear wheels on one end of the paddles and the other gear engaging all of the gear wheels on the other end of the paddles, said gears serving to maintain each paddle in vertical position with respect to the surface of the water in which the propeller operates while the wheels bodily move the same for driving the ship.

2,258,700
RECORDING APPARATUS
Henri Georges Doll, Paris, France, assignor, by mesne assignments, to Schlumberger Well Surveying Corporation, Houston, Tex., a corporation of Delaware
Application May 12, 1937, Serial No. 142,315
In France May 19, 1936
5 Claims. (Cl. 234—60)

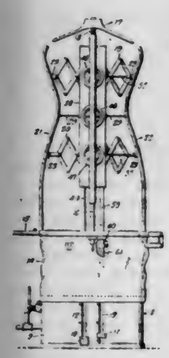
1. Recording apparatus comprising a movable light-sensitive record strip, a reflecting member

rotatable in response to variations in the magnitude of a variable, and a plurality of stationary light beams impinging on said reflecting member to provide a plurality of reflected beams movable in a plane about a common point therein transversely of the strip for recording longitudinally thereon the magnitude of the variable,



said light beams being spaced apart a distance proportional to the width of the strip such that the reflected beams intercepted by the plane of the record strip are spaced apart a distance less than the width of the strip, whereby magnitudes of the variable greater than the width of the strip may be recorded.

2,258,701
GARMENT STRETCHER
John R. Fitzgerald, Harlingen, Tex.
Application January 31, 1940, Serial No. 316,670
2 Claims. (Cl. 223—68)

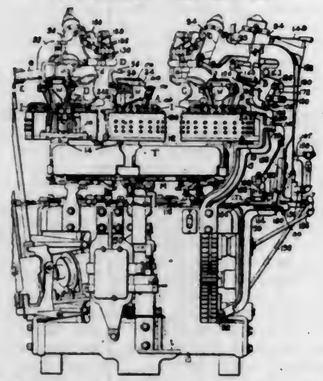


1. A garment stretcher of the character described, comprising a base, a member projecting centrally of said base, a housing surrounding a portion of said member, a system of lazy tongs carried by said member and projecting through said housing, stretching bars carried by said lazy tongs, a dial having graduations thereon attached to the front wall of said housing, a disk mounted within said dial on a shaft extending within said housing, means mounted on said shaft and within said housing adapted to be rotated by said disk when setting the limited movement of said lazy tongs, and means carried thereby for limiting the movement of said lazy tongs.

2,258,702
PREPARATION OF RESINOUS REACTION PRODUCTS OF SULPHUR DIOXIDE AND OLEFINS
Frederick E. Frey, Bartlesville, Okla., and Louis H. Fitch, Jr., deceased, late of Bartlesville, Okla., by First National Bank of Bartlesville, administrator, Bartlesville, Okla., assignors to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware
No Drawing. Original application March 16, 1932, Serial No. 599,350. Divided and this application September 6, 1938, Serial No. 228,705
9 Claims. (Cl. 260—94)

1. The method of producing high molecular weight heteropolymers of sulphur dioxide and olefins which comprises reacting olefins with sulphur dioxide in the presence of a salt of monovalent copper.

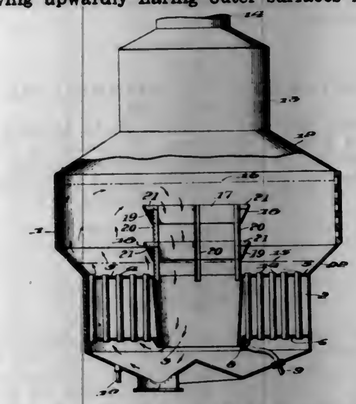
2,258,703
MACHINE FOR OPERATING UPON SHOES
Henry B. Greenough, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application August 25, 1939, Serial No. 291,942
93 Claims. (Cl. 12—42)



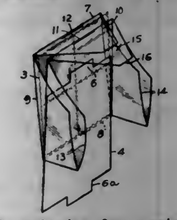
1. In a machine for operating upon the edge of a shoe-bottom, a shoe-support, a rotatable tool for operating upon the bottom-edge of a supported shoe, means for moving the support and tool relatively to carry the point of operation of the tool about the edge, means for determining the extent of bodily approach of the tool to the work, and means contacting with the bottom-edge of the shoe for determining the angle between the operating portion of the tool and said edge.

2,258,704
VACUUM PAN
James Hamill, West Orange, N. J.
Application May 17, 1939, Serial No. 274,253
2 Claims. (Cl. 159—27)

1. In a vacuum pan provided with a calandria having a downtake surrounded by a plurality of tubes and with a tubular device positioned above the downtake of the calandria for promoting the circulation of the mass being concentrated in the pan, the improvement wherein the body of the pan above the calandria is of greater diameter than the portion of the pan surrounding the calandria to provide an enlarged area for the circulation of the mass, and wherein the tubular device is peripherally apertured and is provided with vertically spaced peripheral portions having upwardly flaring outer surfaces for deflecting the circulating mass ascending adjacent the tubular device outwardly toward said increased area.



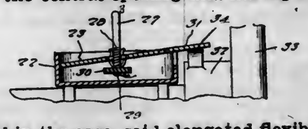
2,258,705
METHOD OF MOUNTING POSTAGE STAMPS OR THE LIKE
Guy Hill, Rondebosch, Cape Town, Cape of Good Hope, Union of South Africa
Application July 21, 1939, Serial No. 285,819
In the Union of South Africa February 27, 1939
6 Claims. (Cl. 40—158)



1. A mounting device for postage stamps and the like comprising, an article to be mounted, a mounting sheet provided with spaced slits, a backing sheet provided with tabs inserted in said slits and a protective sheet of transparent material folded to cover both sides of said article, said protective sheet comprising a portion overlying and covering one side of said article, and flaps at least two of which are folded to lie between the rear side of said backing sheet and the mounting sheet to secure the article to the former without the use of adhesive and at least one of which is folded to lie between said article and the backing sheet to cover the rear surface of the former.

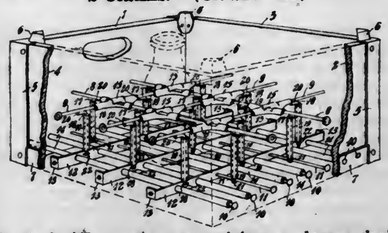
2,258,706
SIGNAL SWITCHING APPARATUS
William F. Krager, Minneapolis, Kans.
Application March 15, 1940, Serial No. 324,192
3 Claims. (Cl. 200—59)

1. A signal switch, in combination with a steering member having a pair of spaced switch controlling bosses thereon comprising a case, a disk tiltably mounted in the case, one side of the case having an opening therein, an arm extending from the disk and through the opening and being disposed across the steerable member in the path of the bosses, a pair of spring clip contacts in the case, said disk having a pair of openings therein through which the spring clip contacts project, said disk having a central opening, a flexible elongated contact member extending through the central opening and having one end



anchored in the case, said elongated flexible contact being adapted to be engaged in either one or the other of the spring clip contacts, said disk being adapted to be tilted by engagement of one of the bosses against the arm to dislodge the elongated flexible contact from the spring clip contact holding the same.

2,258,707
BOTTLE CRATE
Fred G. Krueger, Norwood, and Fred H. Hudepohl, St. Bernard, Ohio
Application August 17, 1937, Serial No. 159,540
2 Claims. (Cl. 217—19)



1. A bottle-crate comprising a lower bottle-supporting structure made up of beams and rods extending through the beams, and comprising an upper compartment-forming structure made up of crossing elements, upright members connected to said crossing elements, each of lateral extent closely restricted to a vertical line substantially midway between places of crossing of said elements, each of certain ones of said upright members having a lower part embracing a portion of one of said rods, and said beams having portions each embracing a lower part of each of certain other ones of said upright members, and elastic tubular cushion elements, each surrounding and extending up and down along a respective upright member between the upper and lower structures, adapted to be readily placed on or removed from the upright member when the member is disconnected from a rod or beam, as the case may be.

2,258,708
GLASS ARTICLE
Carl Martin Langkammerer, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 2, 1940, Serial No. 312,151
14 Claims. (Cl. 91—70)

1. Process of providing a glass surface having a highly water-resistant coating thereon which comprises coating said glass surface with a coating composition having as essentially its sole film-forming component an alkyd resin, applying thereover a coating composition having as essentially its sole film-forming component a phenol-aldehyde resin and baking.

2,258,709

SULPHATED SELECTIVELY CALCINED DOLOMITE AND PROCESS FOR MAKING THE SAME

Walter H. MacIntire, Knoxville, Tenn., assignor to American Zinc, Lead & Smelting Company, St. Louis, Mo., a corporation of Maine

No Drawing. Application February 4, 1939, Serial No. 254,705
9 Claims. (Cl. 71—63)

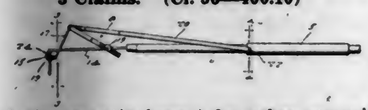
1. The process which consists in intimately mixing raw comminuted dolomite with sulphuric acid in proportions of approximately two parts by weight of dolomite to one part of (H_2SO_4) sulphuric acid and raising the temperature of the mixture under agitation to approximately 600° C. in an atmosphere of steam.

2,258,710

RAKE-CLEANING ATTACHMENT

Kenneth W. McMiller, Hancock, Wis.

Application March 19, 1940, Serial No. 324,875
3 Claims. (Cl. 56—400.10)



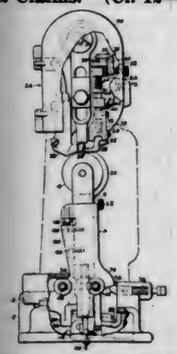
1. A cleaner attachment for rakes comprising a handle member adapted to be sleeved onto the handle of a rake to shift longitudinally of said rake handle, an apertured cleaner plate adapted to be mounted on the teeth of the rake to move longitudinally of such teeth, a substantially U-shaped frame having its limbs extending forwardly and said limbs intermediate the ends thereof being equipped for pivotal attachment to the head of a rake for swinging movement relative thereto, a pusher bar of U-shape with its bight pivotally connected with the ends of the limbs of the U-shaped frame, means for connecting the ends of the limbs of the pusher bar with the cleaner plate, links pivoted at one end to the bight of the pusher bar and pivoted at their other ends to the handle member.

2,258,711

WORK SUPPORT

Lawrence Mawbey, Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application June 25, 1940, Serial No. 342,304
In Great Britain February 22, 1940
12 Claims. (Cl. 12—51)



1. In combination, a work support, means providing a yielding mounting for said work support, said means comprising a plurality of springs arranged to exert unequal forces, and single means for varying the relative effectiveness of said springs.

2,258,712

STRAIN RELIEF FOR ELECTRIC CORD CONNECTORS

Alexander Miller, Providence, R. I., assignor to Royal Electric Company, Incorporated, Pawtucket, R. I., a corporation of Massachusetts

Application March 15, 1940, Serial No. 324,026
4 Claims. (Cl. 173—322)



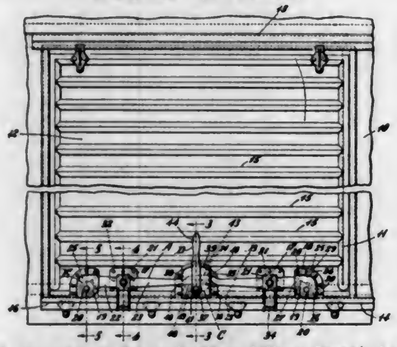
1. In combination, a two-part member, each part having a portion of an electric cord receiving opening, a cord extending through said opening, each of said members having an elongated recess arranged transverse to said cord receiving opening and in communication therewith, the recesses of said member parts registering with each other when said parts are closed together about said cord, and cord gripping elements each of a length slightly less than one half the length of said recesses arranged in alinement within said recesses and positioned with their adjacent ends in engagement with said cord positioned between them, the remote ends of said elements engaging the end walls of said recesses, whereby said elements act as toggle arms to pinch the cord between their opposed ends when said elements are pressed into said recesses in assembling said member parts together.

2,258,713

SLIDING DOOR CONSTRUCTION

Roland J. Olander, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware

Application March 21, 1938, Serial No. 197,143
2 Claims. (Cl. 16—99)



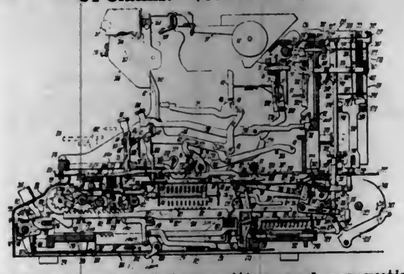
1. In means for actuating lifting levers for a door mounted for sliding movement along a track, the combination with a housing for the inner ends of said levers fixed to the outer side of the door, said housing having an outer vertical wall provided with a bearing opening therethrough, said housing wall having an exterior, upstanding arcuate guide flange thereon; of an operating lever having a laterally projecting pivot element at its lower end journaled in said bearing opening of the housing for swinging movement about a horizontal axis concentric with the arc of said guide flange of the housing; a hooked guide portion on said operating lever engaged with said guide flange; and a rotary cam fixed to the inner end of the pivot element of said operating lever, said cam having shouldered engagement with the housing wall at the bearing opening to lock the pivot pin against endwise removal from the housing, said cam operating with the inner ends of said lifting levers to actuate the latter.

2,258,714

COMBINED TYPEWRITING AND COMPUTING MACHINE

Henry L. Pitman, Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

Application September 28, 1935, Serial No. 42,611
34 Claims. (Cl. 235—60)



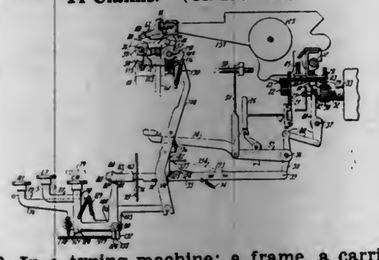
1. In a combined typewriting and computing machine, the combination of a platen, digit-types and a letter-feeding carriage coacting with said types, a register, total-taking mechanism, conditionable to co-operate with said register and carriage, to select the digit-types and to actuate the selected types seriatim by power to print the total standing in said register, said mechanism including a device operable to condition said mechanism preparatory to its operation for total-printing, a total-printing-control tappet on said carriage, and a key operable to determine operation of said conditioning device by said tappet when the carriage is advanced to a zone for which said tappet is located, means being provided whereby said tappet is ineffective to operate said conditioning device when the carriage is advanced to said zone, unless said key is operated.

2,258,715

TYPEWRITING MACHINE

Henry L. Pitman, Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

Application March 27, 1939, Serial No. 264,377
14 Claims. (Cl. 197—66)



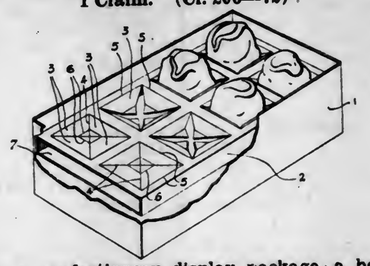
10. In a typing machine; a frame, a carriage movable in advance and return directions on said frame, a counter-stop on said carriage, a plurality of carriage return limiting stops individually and separately adjustable at will to different stations along the path of said counter-stop, said stops being, at any station, normally out of said path and at different distances from said path, means including a plurality of keys operative, irrespective of the stations of the stops, to move said stops jointly different distances to place said stops selectively in said path, the distance depending on which key is operated, and power operated mechanism responsive to the operation of any key to become engaged to return said carriage to the selected stop.

2,258,716

CONFECTIONERY DISPLAY PACKAGE

Reginald Ralph, East York, Ontario, and Harris Stanley Hall, Toronto, Ontario, Canada

Application February 3, 1938, Serial No. 188,404
In Canada October 19, 1937
1 Claim. (Cl. 206—72)



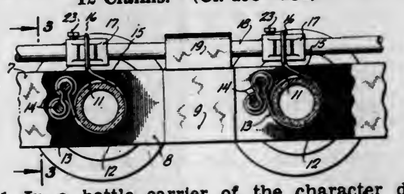
In a confectionery display package, a box, a tubular tray having upper and lower platforms for insertion in said box in spaced relation from the bottom thereof, said upper platform having spaced sets of a pair of intersecting cuts forming similar triangular shaped tabs, the base of said tabs being integral with said upper platform and the length of said tabs being greater than the distance from said upper platform to the lower platform of said tray, the tabs of each set, when in operating position, extending downwardly from said upper platform and contacting the lower platform of the tray and having an end portion thereof extending inwardly to form a pocket for an article, said article resting on and contacting said inwardly extending portions and retaining the tabs in upright position.

2,258,717

BOTTLE CARRIER FOR BOTTLE WASHING MACHINES

Philip C. Read, Shorewood, Wis., assignor to Dostal & Lowey Co., Inc., Menomonee Falls, Wis., a corporation of Wisconsin

Application August 7, 1939, Serial No. 288,843
12 Claims. (Cl. 198—131)



1. In a bottle carrier of the character described: a carrier bar having a hole adapted to receive the headed end of a bottle; a flexible one-piece clamping member fixed at one end to the

carrier bar and formed with a loop intermediate its ends for yielding engagement with the neck of a bottle in said hole; and an actuator connected with the other end of said flexible clamping member and movable with respect to the carrier bar for disengaging the flexible clamping member from the neck of the bottle.

2,258,718

ESTERS OF ORTHO INORGANIC ACIDS OF TITANIUM, TIN, AND ALUMINUM WITH ALPHA BETA UNSATURATED PRIMARY ALCOHOLS

Henry S. Rothrock, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 24, 1939, Serial No. 291,754
27 Claims. (Cl. 260—80)

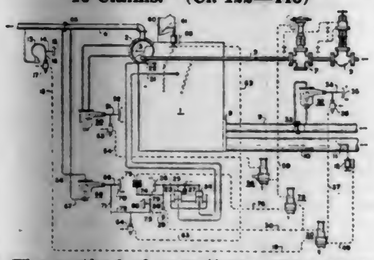
5. A polymer of a primary alcohol having an unsaturated linkage between the carbon next to the carbinol carbon and the carbon once removed from the carbinol carbon with an ortho inorganic acid of an element of the class consisting of aluminum, titanium, and tin.

2,258,719

METHOD OF OPERATING VAPOR GENERATORS

George W. Saathoff, South Orange, N. J.

Application September 7, 1938, Serial No. 228,818
15 Claims. (Cl. 122—448)



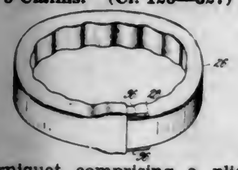
2. The method of operating a vapor generator supplied with liquid to be vaporized and with fuel and air for combustion, which includes, maintaining total gas flow through the gas passages of the vapor generator in predetermined relation to selected liquid inflow, and adjusting the supply of fuel in accordance with variations in rate of total gas flow.

2,258,720

TOURNIQUET

Edward S. Saighman, Waverly, Mo.

Application December 30, 1938, Serial No. 248,492
8 Claims. (Cl. 128—327)



1. A tourniquet comprising a pliable elastic band, a relatively thick elastic cushion member of substantially uniform thickness secured in undulated form at spaced apart points to said band, and means whereby the end portions of said elongated member are secured together with said band elongated about a limb of a human body to cause said cushion member while under longitudinal compression to press against said limb.

2,258,721

CONDENSATION PRODUCTS OF CYCLIC AMIDINES

Richard Sallmann, Bottmingen, Switzerland, assignor to Society of Chemical Industry in Basle, Basel, Switzerland

No Drawing. Application August 1, 1939, Serial No. 287,852. In Switzerland August 13, 1938
9 Claims. (Cl. 260—309)

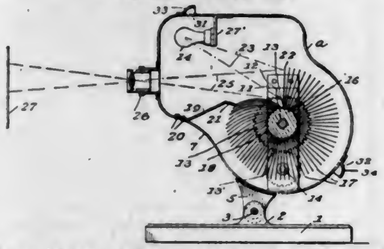
1. The condensation products of cyclic amidines with a N-hydroxy-methyl derivative of a carboxylic acid amide containing at least one water-solubilizing group, which products are liquid to solid substances which are decomposed by prolonged boiling with hydrochloric acid to form basic compounds.

2,258,722

MOVING PICTURE PROJECTOR

Eldon J. Saunders, Mount Clemens, Mich.

Application March 25, 1939, Serial No. 264,198
1 Claim. (Cl. 88—19)



A projector of the character described including a housing having an opening in one side wall thereof, a door connected to the housing for swinging movement and adapted for normally closing the opening, a bracket positioned in the housing adjacent the side wall opposite the side wall having the opening therein, a shaft having one end rotatably mounted in the bracket and side wall adjacent thereto, a spool carried by the shaft and removable therefrom through the opening in the side wall of the housing when the door is open, picture bearing cards carried by the spool, and a member carried by the door, said member having resilient arms adapted to engage the end of the spool on opposite sides of the end of the shaft when the door is closed to position the spool on the shaft and to hold the same against sliding movement thereon.

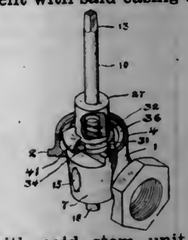
2,258,723

VALVE MECHANISM

Michael Smolensky, Cleveland, Ohio

Application August 7, 1939, Serial No. 288,706
1 Claim. (Cl. 251—97)

A valve mechanism having in combination a casing having inlet and outlet ports, a tapered valve seat intermediate the same, a plug unit adapted to snugly engage said seat and having a passageway therethrough adapted to be rotated into and out of registry with said ports, a valve stem unit having screw-threaded engagement with said plug unit, a roller pin having its lower end portion loosely mounted in a recess in the top of sad plug unit and having its upper end portion movable into and out of locking engagement alternatively with said stem unit and said casing, a hook-shaped cam carried on said stem unit and engaging behind the upper end of said pin for moving said upper end from locking engagement with said casing into locking engagement with said stem unit, and a second cam carried on the stem unit for engaging and moving the upper end of the pin from locking engagement with the stem unit into locking engagement with the casing.



2,258,724

FIXATION OF WINDOW PANES IN AIRCRAFT

Herbert Wagner, Berlin-Schmargendorf, and Justus Muttray and Ludwig Wagenseil, Dessau, Germany, assignors to Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft, Dessau, Germany

Application April 25, 1938, Serial No. 204,218
In Germany May 7, 1937
7 Claims. (Cl. 20—40)



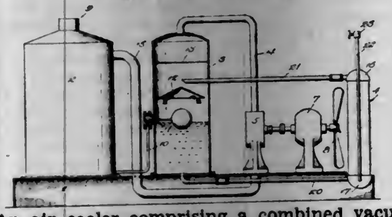
1. A window mounting for airplanes comprising a concavo-convex pane adapted to withstand the stresses exerted by the difference in air pressure inside and outside an airplane cabin at high altitudes, an integral annular reinforcing bead around the plane periphery to receive said stresses, the inner and outer sides of the peripheral margin of the pane being parallel, the pane in cross section having its margins outwardly inclined from one another, an apertured cabin wall, and cooperating holding means thereon having spaced, parallel contacting faces engaging opposite sides of the pane adjacent its periphery whereby movement of the pane due to contraction or expansion is permitted between said contacting faces.

2,258,725

AIR COOLER

Alvin H. Wilkinson, Tulsa, Okla.

Application February 28, 1938, Serial No. 193,174
1 Claim. (Cl. 62—129)



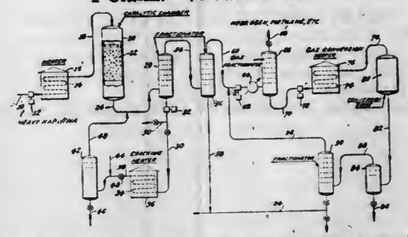
An air cooler comprising a combined vacuum and liquid chamber, a liquid supply for said chamber and maintaining a predetermined level of liquid therein, a heat exchanger, means for connecting said heat exchanger to said chamber, an air vent pipe admitting air to the liquid for passing therethrough and through the heat exchanger, a vacuum pump connected with said chamber, means for operating said pump, a fan actuated by the last named means for the circulation of air relative to the heat exchanger, an inverted conical-shaped deflector arranged in said chamber above the level of the liquid, and a screen arranged in the chamber between the deflector and the upper end of the chamber.

2,258,726

TREATING HYDROCARBON FLUIDS

Harold V. Atwell, White Plains, N. Y., assignor to Process Management Company, Incorporated, New York, N. Y., a corporation of Delaware

Application July 29, 1938, Serial No. 221,884
1 Claim. (Cl. 260—668)



The process for converting to gasoline motor fuel of high anti-knock value a highly paraffinic heavy naphtha of low anti-knock value consisting predominantly of hydrocarbons having at least six carbon atoms per molecule and including a substantial proportion of paraffins boiling above the gasoline boiling range, which comprises contacting said heavy naphtha with a dehydrogenating catalyst at elevated temperature for a time sufficient to effect substantial conversion of said paraffins including said high-boiling constituents to aromatic hydrocarbons including those boiling above the gasoline boiling range by dehydrogenation and cyclization reactions, fractionating the products to separate a heavy fraction boiling above the gasoline boiling range and consisting essentially of aromatic hydrocarbons, separately heating said heavy fraction under a superatmospheric pressure in excess of 200 pounds per square inch in the absence of any substantial proportion of added non-aromatic hydrocarbons to effect cracking of said high-boiling aromatic hydrocarbons in the side chains thereof and conversion of said high-boiling aromatic hydrocarbons to lower-boiling aromatic hydrocarbons boiling within the gasoline boiling range, and fractionating products of said cracking treatment and the products of said dehydrogenation treatment in a common zone to separate therefrom a gasoline fraction and a heavy fraction to be subjected to the cracking treatment.

2,258,727

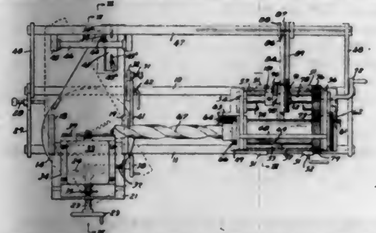
DRILL GRINDING APPARATUS

Walter F. Bannister, Birmingham, Ala., assignor of forty-nine per cent to Herbert G. Hard, Birmingham, Ala.

Application April 17, 1939, Serial No. 268,240
9 Claims. (Cl. 51—219)

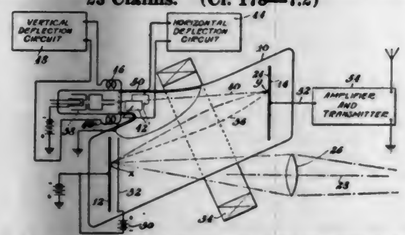
1. A machine for grinding twist drills comprising a grinding wheel, means to move the drill being ground axially thereof into and out of engagement with the grinding wheel, means

to move said grinding wheel radially of said drill, and means responsive to said radial move-



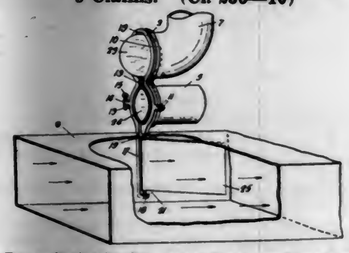
ment to vary the extent of movement of the drill axially into engagement with the grinding wheel to determine the axial clearance.

2,258,728
TELEVISION TRANSMITTING DEVICE
Alda V. Bedford, Collingswood, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application September 29, 1934, Serial No. 746,094
23 Claims. (Cl. 178—7.2)



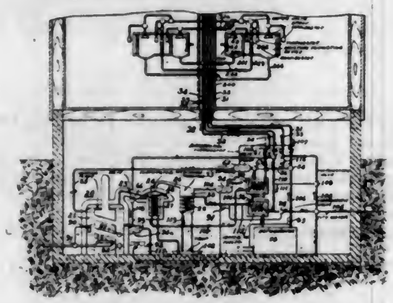
1. A television transmitting device comprising a tube, an imperforate screen disposed within said tube and provided with a continuous photosensitive surface, a second screen disposed within said tube and provided with a mosaic surface, means for projecting onto said continuous photosensitive surface an optical image of the subject for transmission whereby photo-electrons are caused to be emitted from said surface, means for causing the electrons emitted to travel toward and to become focused upon said mosaic surface, means within the tube for developing a ray of electrons and directing the same at said second screen, and means for deflecting said ray to cause the same to scan said second screen.

2,258,729
DRAFT REGULATOR FOR HOT AIR FURNACES
Millard Whyte Best, Hamilton, Ontario, Canada
Application March 6, 1941, Serial No. 381,928
5 Claims. (Cl. 236—10)



1. In a hot air furnace, the combination with the draft and check dampers and the air heating chamber in the furnace having a cold air inlet, of a horizontally swingable member positioned within the path of the natural flow of air drawn into the furnace air heating chamber and gradually swinging under the impingement of an increasing air flow velocity to gradually move the draft damper towards a fully closed position and the check damper towards a fully open position.

2,258,730
REFRIGERATING APPARATUS
Francis Russell Bichowsky, Ann Arbor, Mich., assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware
Application March 4, 1930, Serial No. 433,146
Renewed October 19, 1939
15 Claims. (Cl. 261—9)



1. An apparatus for conditioning air in a plurality of rooms of a building, which apparatus comprises a central plant for maintaining a main body of liquid at the proper temperature and partial water vapor pressure, means for circulating streams of said liquid between the various rooms and the said main body of liquid, means for contacting said streams of liquid with the air in said rooms, means for automatically controlling the flow of liquid in said means for contacting in accordance with the temperature and humidity of the contacted air.

4. A method of conditioning gas which includes the steps of contacting said gas with a circulated hygroscopic liquid cooled to such an extent that said gas is dehydrated without substantial change of dry bulb temperature, and contacting said gas with a spray of water whereby said temperature of the gas is lowered by evaporation of some of said water and its humidity raised to the desired degree.

2,258,731
COMBINATION LAMP AND FAN UNIT
Alexander E. Blumenthal, Pittsburgh, Pa.
Application April 14, 1938, Serial No. 201,865
14 Claims. (Cl. 230—249.5)

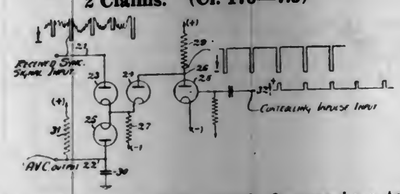
1. A fan for a room or similar enclosure, comprising a rotatable propeller for propelling the air-flow axially thereof; means for rotating said propeller; a tubular shield and air deflector member about said propeller, having an intermediate portion in close proximity to said propeller; tubular, flared, concave outward, air inlet and air outlet deflectors having one of their ends within, and spaced from, said member, but in proximity to said propeller, and having their other ends extending beyond said member, said deflectors being flared from said propeller for quietly guiding the air-flow in gentle curved arcs directly to

and from said propeller, which arcs are substan-



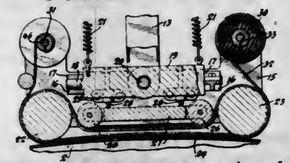
tially tangent, at said propeller, to a line parallel to said axial direction for the air-flow.

2,258,732
ELECTRIC SIGNAL PULSE CONTROLLING CIRCUITS
Alan Dower Blumlein, Ealing, London, and Eric Lawrence Casling White, Hillingdon, England, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application December 22, 1938, Serial No. 247,164
In Great Britain December 24, 1937
2 Claims. (Cl. 178—7.3)



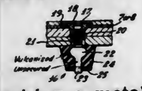
2. An electron switch circuit for use in a television receiving circuit wherein picture and synchronizing signals are received and wherein an automatic volume control voltage is developed in accordance with the intensity of the received synchronizing signals comprising a pair of electron discharge devices each including a cathode and an anode, means for connecting each of the cathodes together, means for connecting the anodes to a pair of conductors of dissimilar potential, means including a high impedance for maintaining one of the conductors at a positive potential with respect to a point of fixed potential, a condenser connected between the said one conductor and the point of fixed potential, a third electron discharge device including a cathode and an anode, means for connecting the cathode of said third electron discharge device to the cathodes of said pair of devices, means including an impedance for connecting all of the cathodes to a source of potential negative with respect to said point of fixed potential, means for maintaining the anode of said third discharge device positive with respect to said cathodes and with respect to said pair of conductors, the other of said pair of conductors being adapted to have the received synchronizing signals applied thereto, and means for intermittently impressing negative control potential impulses on the anode of said third discharge device in synchronism with the application of the received synchronizing signals to said other conductor whereby, during the application of the control impulses, the potential of the said one conductor may be intermittently brought to the potential then present on said other conductor to develop an automatic volume control voltage across said condenser in accordance with the intensity of the synchronizing signals as received.

2,258,733
SANDING MACHINE
Tracy F. Brackett, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 30, 1940, Serial No. 354,865
8 Claims. (Cl. 51—189)



1. In a device of the character described, a reciprocating sanding head including a pair of spaced drums, an endless belt embracing the drums, an abrasive strip in frictional engagement with one face of the belt, an unwinding roll for one end of the strip, a winding roll for the other end of the strip, a crank for rotating one of said drums to feed a given length of strip from the unwinding roll, and a flexible motion transmitting connection between the winding roll and said crank to rotate the roll for taking up slack in the forwardly fed strip and to introduce lost motion in compensation for variations in builtup roll diameter.

2,258,734
PEG FOR ATHLETIC SHOES
David R. Brady, Highland Park, Mich., assignor to David R. Brady and J. Windsor Davis, as joint trustees for the Brady Research Company, Detroit, Mich.
Application June 22, 1939, Serial No. 280,648
4 Claims. (Cl. 36—59)

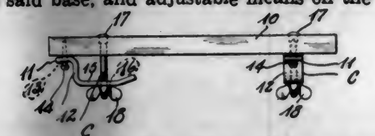


1. A peg comprising a metal element having anchoring means and a post, an elastic sheath around said post, and a reinforcing element secured to the sheath and unsecured with respect to the post, said reinforcing element having an opening through which said post is adapted to project when the sheath is compressed.

2,258,735
DETACHABLE SUPPORT
Leo L. Brancheau, Bay City, Mich.
Application October 26, 1939, Serial No. 301,333
1 Claim. (Cl. 248—226)

The combination of an elongated base for an article and having a flat under-side, adjustable clamps arranged associated with the base at diagonally located points thereof adjacent to one longer and one shorter edge of said base, each clamp comprising a bar-like body having a substantially straight intermediate portion, an outer end portion at substantially right angles thereto

with an apertured curved terminal for a rocking bearing and an inner end portion forming a biting jaw angled to said intermediate portion in the direction of the under-side of the base, a fastener freely engaged through the apertured terminal for loosely fastening it to the said base, and adjustable means on the base



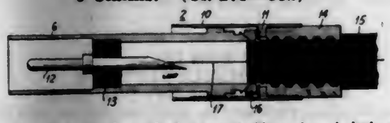
and engaged with the intermediate portion for adjustment of the bar-like body toward and away from the base for releasably biting engagement of the jaw, the said outer end portion being adapted to space the jaw from the under-side of the base and the apertured terminal with the cooperating fastener positively linking the clamp to the base.

2,258,736
MERCURY INTERRUPTER
William S. Brian, Owensboro, Ky., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 19, 1938, Serial No. 241,383
3 Claims. (Cl. 200—113)



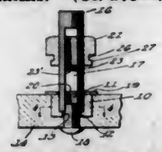
1. In a circuit interrupter, two mercury pools, means for restricting a body of mercury interconnecting the two pools, means for applying a potential difference across the two pools to cause current flow therethrough and through the restricted mercury portion to cause heating and vaporization of the mercury and additional means for heating the restricted portion of mercury comprising a member immersed in and insulated from the restricted portion of mercury and having a comparatively high I^2R drop.

2,258,737
PLUG AND SOCKET CONNECTION
Cecil Oswald Browne, West Acton, London, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application January 19, 1940, Serial No. 314,599
In Great Britain January 19, 1939
5 Claims. (Cl. 173—332)



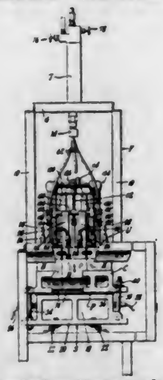
1. A plug and socket connection for joining a high frequency coaxial cable to high frequency apparatus comprising an inner and outer conductor, an insulating core located within the outer conductor, a socket portion in the form of a long thin metallic tube connected to the outer conductor and located at one end of said insulating core, a second insulating core located within said long thin metallic tube, a first metallic member secured at the central axis of said second insulating core and connected to the inner conductor, a plug portion in the form of a second metallic tube connected to the high frequency apparatus, a third metallic tube concentrically located within and connected to said second metallic tube, a third insulating core, and a second metallic member having contact engaging means for said first mentioned metallic member.

2,258,738
BINDING POST
Stephen N. Buchanan, Washington, D. C.
Application June 11, 1940, Serial No. 339,967
3 Claims. (Cl. 173—259)



2. A device of the class described comprising an anchor member having a threaded opening, an externally threaded post having a diametrical slot extending from one end of the post and terminating short of the other end of the latter, the slotted end of the post being threaded in said opening and being provided with internal threads, a screw engaged with said internal threads of said post and securing the post in said opening, and a nut on the external threads of said post.

2,258,739
WELDING
James H. Bucknam, Cranford, and Winslow B. M. Clark, Roselle, N. J., assignors to The Linde Air Products Company, a corporation of Ohio
Application October 31, 1939, Serial No. 302,100
8 Claims. (Cl. 113—59)

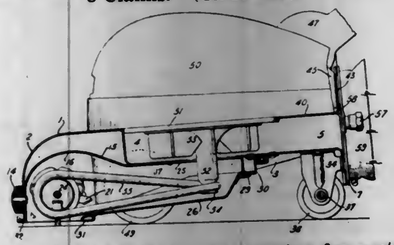


1. A method of simultaneously welding an entire seam which comprises arranging metallic members to be weld united with their adjacent edges in substantially abutting relation to form a line to be welded; clamping such members in position to be welded; disposing at a short distance beneath such line to be welded means having a high coefficient of heat conductivity; impinging against said line to be welded a series of closely spaced oxy-fuel gas heating flames substantially coextensive in length with such line; oscillating said series of heating flames longitudinally of said line throughout a distance of

the order of the spacing between such flames; continuing such heating until the metal of said edges fuses, commingles, and drops onto such means; and thereafter withdrawing the heating flames to permit the fused metal to solidify in contact with such means.

4. Welding apparatus comprising, in combination, means for supporting members to be welded with their adjacent edges in substantial abutment to form a welding line; heat conductive means disposed directly beneath said members and having a depressed upper surface portion aligned with said edges; means for directing simultaneously against substantially the entire length of such welding line a series of closely spaced oxy-fuel gas heating flames, said series of heating flames being substantially coextensive in length with the edges of the members to be welded; and means for oscillating said series of heating flames longitudinally of the edges of said members a distance of the order of the spacing between such heating flames.

2,258,740
SUCTION CLEANER
Vernon E. Carlson, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application January 28, 1939, Serial No. 253,277
8 Claims. (Cl. 15—16)

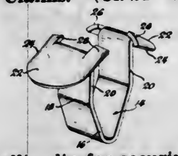


1. A fabricated sheet metal casing for suction cleaners, comprising outer and inner sections having spaced top wall portions forming a double-walled nozzle chamber with the marginal portions of said sections interlocked together around the nozzle mouth to form the front and side lips thereof, said inner section having a rearwardly extending portion underlying a fan chamber formed between said sections and itself forming the top and side walls of an air passage from said nozzle chamber to said fan chamber, and a removable plate fitting over the bottom of said inner section to complete said inlet passage and having a transversely extended marginal portion at its forward edge forming the rear lip of said nozzle mouth.

2,258,741
ADHESIVE AND METHOD OF PREPARING SAME
Charles H. Champion and Fred H. Denham, Westport, Conn., assignors to R. T. Vanderbilt Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application August 13, 1938, Serial No. 224,729
6 Claims. (Cl. 106—210)

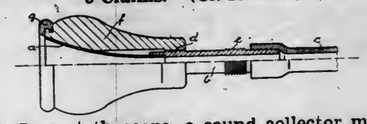
1. The method of making an adhesive composition which comprises mixing starch and water with an amylolytic enzyme, heating said mixture above the gelatinizing temperature of the starch but below the temperature at which the enzyme is destroyed, said heating being continued until the mixture has attained a viscosity substantially less than that desired in the adhesive composition, then heating said mixture at a temperature sufficiently high to destroy the enzyme, cooling the mixture below the gelatinizing temperature of the starch, adding raw starch and then heating the mixture to gelatinize the added raw starch.

2,258,742
MOLDING CLIP
Bart Cotter, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 2, 1940, Serial No. 312,088
5 Claims. (Cl. 24—73)



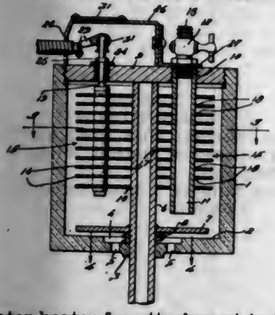
1. In a metallic clip for securing a molding or the like in place on an object, a body part capable of being passed through and retained in an opening in the object, lateral arms on the body part, said arms each comprising a single thickness of metal and having their ends projecting away from each other and engaging and holding the molding or the like to hold it to the object, fingers on the arms forming continuations of the outside edges thereof, said fingers extending directly toward each other and being substantially co-planar with the arms, said fingers in the final position of the clip adapted to have their end edge faces in abutting relation to prevent too close an approach of the arms to each other.

2,258,743
STETHOSCOPE
Albert Dax, Budapest, Hungary
Application April 7, 1939, Serial No. 266,483
In Hungary October 9, 1937
3 Claims. (Cl. 181—24)



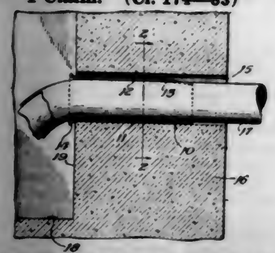
1. In a stethoscope, a sound collector member shaped to form a sound collecting chamber having relatively thin walls surrounding an opening adapted to be placed against a part of the body that is examined and a duct portion adjoining said chamber through which the sound vibrations of the chamber are conveyed to the observer; and a massive member movably mounted on the exterior of said sound collector member; the outward surface of said collector member and the inward surface of said massive member having cooperative interlocking portions for adjustably maintaining said massive member in or out of contact engagement with the thin walls of said chamber; said sound collecting chamber, and said massive member being so proportioned and designed that when said massive member is out of engagement with the chamber, said sound collector member has greater sensitivity for one type of characteristic body sounds, and that when said massive member is in engagement with said chamber, said sound collector member has greater sensitivity for another type of characteristic body sounds.

2,258,744
ELECTRIC WATER HEATER
John A. Des Rosiers, Windsor, Ontario, Canada
Application December 6, 1940, Serial No. 368,941
3 Claims. (Cl. 219—39)



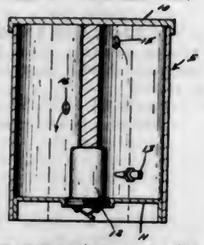
1. A water heater for attachment to the faucet of a source of supply comprising a container for the water having a central aperture in the bottom thereof and a plurality of drain apertures in said bottom grouped around said central aperture, a detachable closure for said container, a water inlet pipe depending from said closure into said container at one side thereof and terminating in spaced relation to said bottom to fill said container and be submerged in the water during heating of the latter, a discharge in said casing depending out of the same by way of said central aperture and vertically slidable in the latter for downward movement to submerge the upper end thereof in the water, a valve member constructed and arranged to close said drain apertures and move said discharge pipe downwardly and operative by the pressure of water in said casing, and an electrical heating unit suspended from said closure in said casing.

2,258,745
DUCT LEADER
William R. Dewey, Detroit, and Ray E. Spokes, Ann Arbor, Mich., assignors to The American Brake Shoe and Foundry Company, New York, N. Y., a corporation of Delaware
Application April 22, 1939, Serial No. 269,382
1 Claim. (Cl. 174—83)



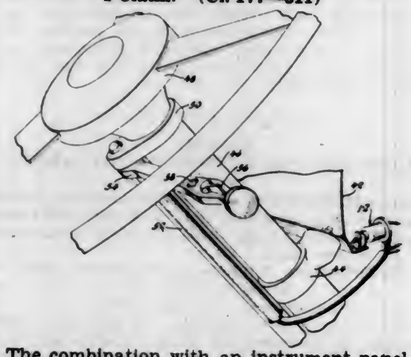
A duct leader or the like through which electric power, telephone and like cables may be led into manholes, buildings and the like, comprising a generally tubular body of composition material including a mixture of asbestos and rubber cured in situ, said body having a smooth inner surface and a roughened outer surface, said body having a generally annular lip or flange formed at one extreme end of said body and extending circumferentially around said body on the radially outer side thereof, said lip or flange being adapted to bear against the wall which defines and surrounds one end of said manhole or like opening when said duct leader is installed therein, said body, due to its rubber and asbestos content being cured in situ, being sufficiently innately resilient to tend to retain its initial size and having a slot extending from end to end therein whereby the said body may be compressed and passed into a manhole or like opening and thereafter be freed to expand and engage the roughened surface thereof with the wall of said opening to insure retention of said duct leader or the like in said opening, and said body being chamfered at the end of said slot opposite the end thereof on which said lip is formed so as to facilitate compression and insertion of said body into an opening.

2,258,746
STEAM GENERATOR
Jacob I. Dickman, Los Angeles, Calif., assignor to Simon Dickman and David Dickman, both of Los Angeles, Calif.
Application February 8, 1941, Serial No. 378,080
4 Claims. (Cl. 219—38)



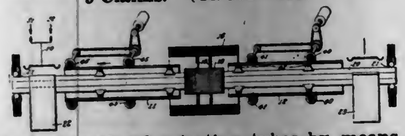
1. In a steam generator, a casting having a plurality of chambers, an electric heater arranged in said casting with a portion of the heater extending into each of said chambers, said chambers having restricted ports providing communication from one to another, means for introducing water into one of the chambers for discharge against said heater for the generation of steam, and a steam outlet means connected to another of said chambers.

2,258,747
DIRECTION SIGNAL
Harry C. Doane, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 2, 1939, Serial No. 259,421
1 Claim. (Cl. 177—311)



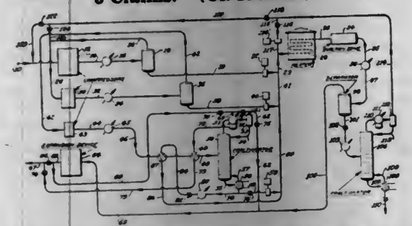
The combination with an instrument panel, a steering wheel column having a rigid connection with the panel and a gear control handle mounted on the column, of a direction signal system comprising an electrically actuated signal, a control switch mounted on said handle, and a vibration producing interrupter and audible signal device incorporated in the signal system between the signal and switch and means mounting said device on the instrument panel for the transmission of vibrations produced thereby through the panel and into the steering wheel column.

2,258,748
TUBE TESTER
Harcourt C. Drake, Hempstead, N. Y., assignor to Sperry Products, Inc., Hoboken, N. J., a corporation of New York
Application November 5, 1940, Serial No. 364,383
9 Claims. (Cl. 175—183)



1. In a device for testing tubes by means of an energizing coil inserted in the interior of the tube and detector means cooperating with the tube, means whereby tubes may be passed continuously over said coil in a single direction, said means comprising a shaft for supporting said coil, a plurality of current contact means, means whereby each of said contact means may be connected to said shaft for supplying current from a source of electrical energy to said coil and may be disconnected from said shaft to permit a tube to be passed over said shaft, and means whereby certain of said contact means are rendered effective to energize said coil when certain other of said contact means are rendered ineffective so as to permit a tube to be passed over said shaft.

2,258,749
TREATMENT OF HYDROCARBON FLUIDS
Gerald L. Eaton, Glen Osborne, Pa., assignor to The Polymerization Process Corporation, Jersey City, N. J., a corporation of Delaware
Application June 4, 1938, Serial No. 211,835
3 Claims. (Cl. 196—10)



3. A process for treating hydrocarbon gases to produce higher boiling hydrocarbons which comprises subjecting a gaseous mixture containing hydrocarbons having at least two carbon atoms per molecule to compression, cooling the compressed gases and separating the resulting condensate from uncondensed gases, passing the condensate separated from the compressed and cooled gases through a conversion zone maintained under conditions of temperature and pressure effective to convert low-boiling hydrocarbons contained in said condensate to higher boiling normally liquid hydrocarbons, fractionating the conversion products to separate a condensate therefrom, passing gases uncondensed in said fractionating operation through an expansion mechanism whereby the pressure on the gases is reduced and the gases are cooled, and employing the cooled gases leaving said expansion mechanism for cooling the compressed gases.

2,258,750
TERMINAL BLOCK
Benjamin Eichwald, New York, N. Y.
Application December 12, 1940, Serial No. 369,874
6 Claims. (Cl. 173—324)



1. A terminal block comprising, in combination, a main supporting member having thereon a plurality of electrical terminals each comprising an elongated tube of flexible sheet material of good conductivity having the intermediate portion thereof flattened, a clamping strip overlying the flattened portions of the several tubes and secured to said supporting member holding the terminals in definite spaced relation thereon, soldering material in each tube on each side of said flattened portion, each tube beyond said soldering material being reduced in diameter to form in conjunction with said flattened portion, reservoirs for the soldering material, the opposite ends of each tube having openings of sufficient size to permit the insertion of electrical conduction wires into the soldering material in said reservoirs.

2,258,751
METHOD OF MAKING WELDED TOOL JOINTS
Seth Evans, Houston, Tex., assignor to Hughes Tool Company, Houston, Tex., a corporation of Delaware
Application April 27, 1940, Serial No. 331,917
4 Claims. (Cl. 29—157)

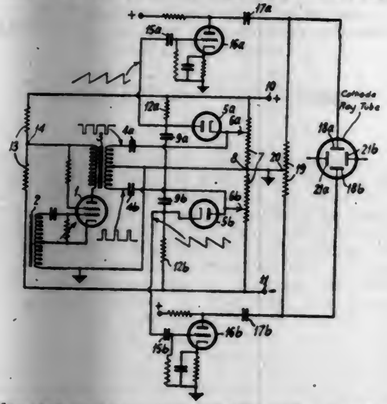


1. In welding a tool joint to a drill pipe end where the wall thickness of the joint is greater than that of the pipe, the steps of enlarging the diameter of the pipe end, heating the adjacent ends of said joint and pipe to a plastic state, pushing the said ends forcibly together to upset the plastic metal at the ends, and cutting away the metal thus upset to the same outer and inner diameter as the tool joint end so that the upset metal on the inner surface will form a thickened end upon the pipe side of the weld line.

2,258,752
SAW-TOOTH WAVE GENERATOR CIRCUIT ARRANGEMENT
David John Fewings and Roland John Kemp, Chelmsford, England, assignors to Radio Corporation of America, a corporation of Delaware
Application October 3, 1939, Serial No. 297,658
In Great Britain October 6, 1938
3 Claims. (Cl. 250—36)

1. A system for producing complementary potential variations of saw tooth wave form com-

prising means for producing a series of negative impulses of a predetermined frequency and for simultaneously producing a series of positive impulses of the same frequency and substantially in phase therewith, a first and a second condenser, means for charging said condensers at opposite polarities and at a substantially uniform rate, a first and a second diode, means for effectively connecting the said first and second diodes in parallel with the said first and second



condensers, means for applying the produced negative and positive series of impulses to the cathode and anode of the first and second diodes respectively to substantially instantaneously discharge said condensers, whereby two series of voltage variations of saw tooth wave form may be produced, the voltage variations being of opposite polarity and substantially in phase, and means for applying said saw tooth wave form voltage variations to a utilization device.

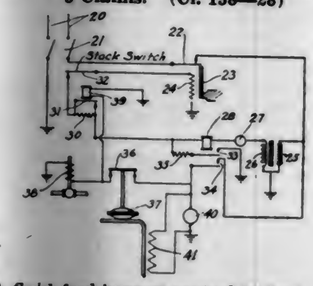
2,258,753

BURNER CONTROL SYSTEM

Lawrence L. Finnigan, Seattle, Wash.

Application October 11, 1938, Serial No. 234,348

5 Claims. (Cl. 158—28)



1. A fluid fuel burner control system, comprising: a fuel burner; a fuel heater; a motor and pump for circulating fuel through said burner and said heater; a thermostatic switch having a temperature responsive actuating element heated by means of an electrical resistance; actuation of said switch stopping said motor; means for simultaneously starting the operation of said motor, and for causing a current to flow through said resistance which will effect operation of said switch at the end of a predetermined time period; and means responsive to the temperature of the fuel for preventing or allowing the initial delivery of fuel from said burner to a combustion chamber and for decreasing the current flow through said resistance if said means does not allow fuel to be delivered, to affect the length of said time period and to permit circulation by said motor and heating by said heater of said fuel before delivery.

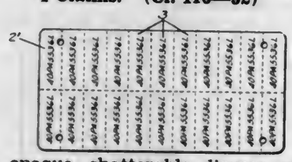
2,258,754

FRANGIBLE LICENSE PLATE FOR AUTOMOBILES AND THE LIKE

Leo Gill, Allentown, Pa., assignor of thirty per cent to David R. Diehl, Weissport, Pa.

Application February 24, 1940, Serial No. 320,552

4 Claims. (Cl. 116—32)



1. An opaque shatterable license plate for automobiles and like vehicles bearing similar license identifying indicia on both its front and rear faces, the front face having a single display showing of said indicia of large regulation size, and the rear face having a repetitious multitudinous array of greatly reduced size reproductions of said indicia, so that shattered fragments of the broken plate will bear one or more of said reduced size reproductions of said identifying indicia.

2,258,755

PROCESS FOR THE MANUFACTURE OF DYED GELATIN LAYERS FOR PHOTOGRAPHIC PURPOSES

Erich Glaser, Brussels-Uccle, Belgium, assignor, by mesne assignments, to Chromogen, Incorporated, a corporation of Nevada

No Drawing. Application June 19, 1939, Serial No. 279,994. In Germany June 23, 1938

7 Claims. (Cl. 95—7)

1. A process for producing colloid layers which comprises the steps of preparing an aqueous solution of a colloid and a sparingly water-soluble substance selected from the group consisting of dyes, dye-forming substances, splittable dye derivatives and splittable derivatives of dye-forming substances, said solution containing sufficient water to dissolve substantially all of said sparingly water-soluble substance and to form a solution having a relatively low concentration of said substance, treating the aqueous solution with an electrolyte to flocculate the colloid together with substantially all of said substance, separating the flocculate from the aqueous phase, washing and melting the flocculate and coating it on to a carrier.

2,258,756

HYDRAULICALLY CONTROLLED BRAKE

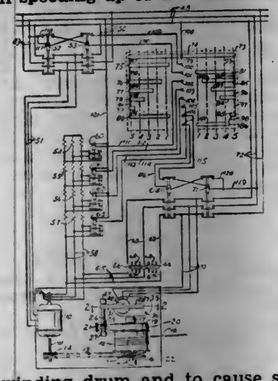
Donald C. Gray, Rose Township, Ramsey County, Minn., assignor to American Hoist & Derrick Company, St. Paul, Minn., a corporation of Delaware

Application October 26, 1940, Serial No. 363,034

15 Claims. (Cl. 192—2)

1. An apparatus for controlling speed while paying out the line of an overhauling load on a winding drum of a hoist, comprising a main electric motor for rotating said winding drum to drive said overhauling load in downward direction, means operatively connecting said main

electric motor to said winding drum, a brake for the main electric motor and winding drum, means urging said brake toward braking position, a supply circuit for said main electric motor, a secondary circuit adapted to be energized through the medium of said supply circuit, hydraulically operated means including an auxiliary electric motor, means for connecting said main electric motor in said supply circuit thus to cause the main electric motor to drive said overhauling load in downward direction and for simultaneously connecting said auxiliary electric motor in said secondary circuit thus to cause said hydraulically operated means to be actuated at times while the main electric motor is driving said overhauling load in downward direction to permit the urging means to move the brake toward braking position with speeding up of the main electric mo-



tor and winding drum and to cause said brake to be moved away from braking position against the action of said urging means with slowing down of said main electric motor and winding drum, and means for causing said main electric motor to drive said overhauling load in downward direction at increased speed and for simultaneously disconnecting the auxiliary electric motor from said secondary circuit and connecting said auxiliary electric motor in said supply circuit thus to cause said hydraulically operated means to be actuated at other times while said main electric motor is driving said overhauling load in downward direction to cause said brake to be released from braking position against the action of said urging means.

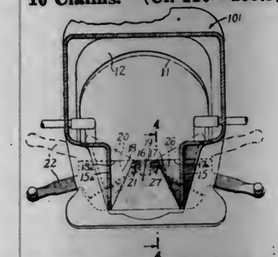
2,258,757

STOKING MECHANISM

William Thompson Hanna, Cincinnati, Ohio

Application January 27, 1938, Serial No. 187,152

10 Claims. (Cl. 110—105.5)



8. In a stoker, the combination with a locomotive firebox having a coal entrance of, a conduit for transferring coal and delivering it to said entrance, said conduit terminating in a coal-conditioning chamber mounted adjacent said coal entrance, said chamber having a delivery opening comprising a ledge extending across said entrance and over which coal flows into said entrance, the side walls of said chamber diverging and at least one of the top and bottom walls of said chamber being provided with inwardly projecting centrally located portions for causing the coal moving therethrough to spread therein and flow over the sides of said ledge, said ledge having vertically adjustable side portions each of which is adjustable so as to position its ledge surface at varying angles to the horizontal and thus concentrate the coal flow at the center of said delivery opening or at either side thereof.

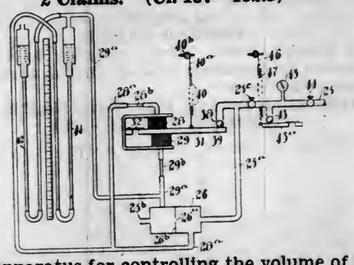
2,258,758

APPARATUS FOR CONTROLLING THE VOLUME OF FLOW OF FLUIDS

Herbert E. T. Haultain, Toronto, Ontario, Canada

Application April 10, 1939, Serial No. 267,007

2 Claims. (Cl. 137—152.5)



1. Apparatus for controlling the volume of flow of a fluid including a fluid supply pipe having a relief opening and a valve for controlling the flow through said pipe; a valve for varying the leakage through the relief opening, the pipe being provided with an apertured partition; a pivoted arm for actuating the leakage varying valve; means controlled by the difference in pressure on opposite sides of the partition for actuating the arm, the said means including expansible devices engaging opposite sides of the arm, the expansible device for moving the arm and thus the leakage varying valve towards the relief opening being positioned farther from the pivot of the pivoted arm than the other expansible device; and an automatic pressure regulating valve having a continuous leak positioned in the supply pipe at the side of the said flow controlling valve remote from the apertured partition and the relief opening.

2,258,759

SOUND REPRODUCER

Ralph H. Heacock, Oaklyn, N. J., assignor to Radio Corporation of America, a corporation of Delaware

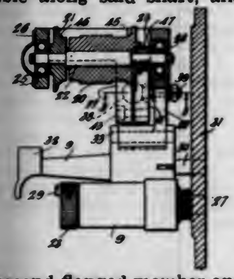
Application August 31, 1939, Serial No. 292,929

7 Claims. (Cl. 271—2.3)

1. In apparatus of the class described, a pivoted bracket provided with a latch, a member hinged to said bracket, spring means biasing said member in one direction about said hinge, a spherical member mounted on said hinged member, and a pressure roller supporting member secured to said spherical member by members having concave faces in frictional engagement with said spherical member.

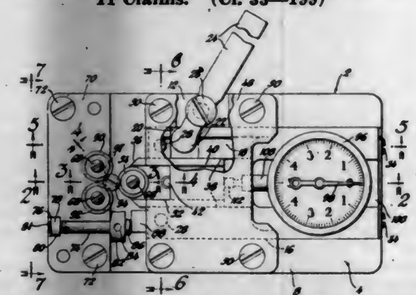
4. A pressure roller for apparatus of the class

described, including a shaft, a flanged member longitudinally secured on said shaft, an opposing flanged member integral with an intermediate barrel movable along said shaft, and a spring



urging said second flanged member and said barrel toward said first flanged member, the said integral members being formed of a single piece of material.

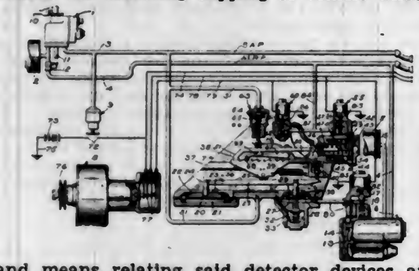
2,258,760
THREAD GAUGE
Carl Hecker, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 16, 1939, Serial No. 279,429
11 Claims. (Cl. 33—199)



1. In a screw thread gauging device, a base, a plurality of circumferentially ribbed gauging rolls mounted on the base, a slide mounted on the base, means constantly urging the slide toward the rolls, means to limit the sliding movement of the slide toward the rolls, a second slide mounted in the first slide, a circumferentially ribbed gauging roll mounted on said second slide and adapted to cooperate with the plurality of rolls on the base to determine the pitch of the threads, means constantly urging said second slide toward the stationary rolls, an indicating gauge mounted on the first slide and operable by the second slide, and manual means to withdraw the first slide from the stationary rolls to enable the insertion of a screw.

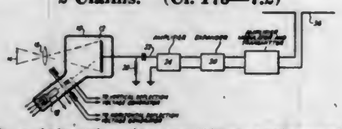
2,258,761
BRAKE CONTROL APPARATUS
Ellis E. Hewitt, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application September 28, 1940, Serial No. 358,746
10 Claims. (Cl. 303—21)

1. In a brake system for a train of vehicles, in combination, a pipe extending throughout the train and being arranged to have selected pressures established therein, control means on each vehicle in the train for effecting an application of the brakes in accordance with the pressure established in said pipe, adjusting means associated with each control means for changing the relationship between the degree of application of the brakes and the pressure in said pipe, a wheel slip detector device associated with each vehicle for detecting slipping of vehicle wheels,



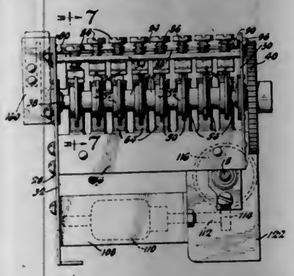
and means relating said detector devices and said adjusting means whereby a single detector device on a vehicle having wheel slipping controls the adjusting means on that vehicle in one manner and controls the adjusting means on vehicles having no slipping wheels in a different manner.

2,258,762
TELEVISION SYSTEM
Willard Hickok, Bloomfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 10, 1938, Serial No. 239,783
2 Claims. (Cl. 178—7.2)



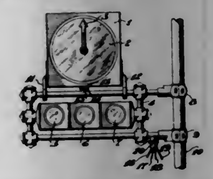
1. In a television transmitting system wherein a transmitting tube is provided for converting an optical light image into a series of electrical signals representative of the light values of the image and in which the response characteristics of the transmitting tube are such that signals corresponding to light values in excess of a predetermined amount are attenuated, means for amplifying said series of produced electrical signals including an electron discharge tube having a cathode, a first control electrode, a second control electrode and an anode, a resistance for connecting the cathode to a point of fixed potential, means including a load resistance for maintaining the anode positive with respect to the cathode and with respect to the point of fixed potential, means for applying the series of produced electrical signals between the first control electrode and the point of fixed potential, means including an electronic device connected to said second control electrode for varying the potential of said second control electrode with respect to the point of fixed potential in response to the signal strength of the series of produced electrical signals to increase the gain of the electron discharge amplifying tube when the intensity of electrical signals representing light values is in excess of the said predetermined amount in proportion to their intensity, whereby the over-all characteristics of the transmitting tube and the amplifier will be such that a substantially direct relationship exists between the strength of the signals and the value of light projected on the light responsive electrode of the tube.

2,258,763
REMOTE AUTOMATIC RADIO CONTROL
Robert H. Hill, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 28, 1938, Serial No. 216,301
2 Claims. (Cl. 200—6)



1. In a control device, a frame, a shaft mounted for rotation in the frame, a plurality of cams mounted on the shaft, a plurality of pivoted followers on the frame, a member having a flange extending from each of the followers, a second shaft in the frame, switching means operated by the rotation of the second shaft, means extending from the second shaft and under the flange of each follower member and spring means on the member and engaging the last-named means to allow relative movement whereby the depression of any follower on the cam will actuate the switching means.

2,258,764
TRAFFIC SIGNAL
Patrick G. Hughes and Paul O. Kock, Cincinnati, Ohio, assignors, to themselves and Carl R. Karst, Cincinnati, Ohio
Application November 16, 1939, Serial No. 304,764
5 Claims. (Cl. 177—337)



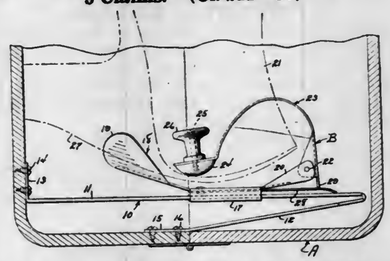
1. A signalling device comprised of a circuit including a red light and a circuit including a green light, said circuits including, in common, a primary controller for energizing the lights one after another consecutively for signalling cycles, the said controller usually operating to control the green light for a predetermined interval of time, but capable of being controlled manually for controlling the green light for any desired period of time, a motor, electric circuit means for energizing the motor from the circuit including the green light, an indicator driven by the motor through a cycle of indication during the interval of time the green light normally is energized, said electric circuit for energizing said motor including switch means for deenergizing the motor when the indicator completes one cycle of indication, and circuit switching means for energizing the motor from the red light circuit when the indicator has not completed a cycle of indication before the green light signal is deenergized.

2,258,765
RADIATING APPARATUS AND METHOD
Robert F. James, Mahwah, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 11, 1934, Serial No. 734,620
14 Claims. (Cl. 176—124)



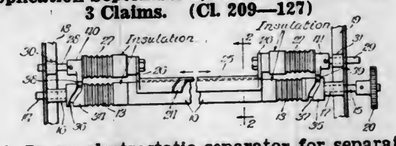
2. An ultra-violet light generator comprising a tubular envelope transparent to light above about 2500 A. U., but absorbent to nearly all radiations below that wave length, containing a pair of non-thermionic solid main electrodes disposed one at each end, said envelope also containing a rare gaseous filling, admixed with mercury vapor, at a low pressure, and said generator being operable at low current densities to produce a discharge having a large proportion of its radiations between 2500 and 2800 A. U., so as to be particularly effective for bactericidal and fungicidal purposes, while weak for producing taste and odor changes in food irradiated thereby.

2,258,766
SHOE HOLDER
Louie Jensen, Racine, Wis.
Application June 17, 1940, Serial No. 341,029
5 Claims. (Cl. 211—37)



1. A shoe holder of the kind described comprising a bracket having a track portion, a runner movable on the track portion, shoe saddling means on said runner, a clamp included in said shoe saddling means for engaging a shoe when fitting the saddle, and spring means on the runner and engaging the track portion and the said clamp for frictionally holding the runner in an adjusted position on the track portion and also for tensioning the said clamp.

2,258,767
ELECTROSTATIC SEPARATING APPARATUS
Herbert B. Johnson, Rochester, N. Y., assignor to Ritter Products Corporation, Rochester, N. Y., a corporation of New York
Application September 1, 1939, Serial No. 292,980
3 Claims. (Cl. 209—127)

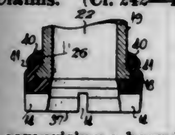


1. In an electrostatic separator for separating a product comprising mixed particles, in combination, a rotatable cylindrical electrode, wiper means containing abrasive material cooperating

with said electrode for polishing the same and extending substantially the entire length thereof, and pin and cam means operatively interconnecting said electrode and said wiper means whereby rotation of the former causes slight relative longitudinal movement between said electrode and wiper means

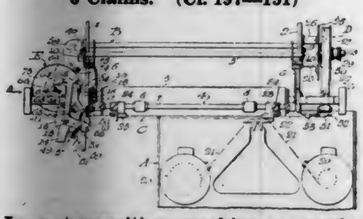
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2,258,768
BOBBIN
Avery C. Kimbirl and Edgar A. Terrell, Charlotte, N. C., assignors to The Terrell Machine Company, Incorporated, a corporation of North Carolina
Application April 6, 1939, Serial No. 266,355
3 Claims. (Cl. 242—46.2)



2. A bobbin comprising a barrel and a resilient base having its upper end recessed to fit over the lower end of the barrel, interlocking means between the barrel and the base and external means covering the upper portion of the base for retaining the base in position on the bobbin barrel and for guarding the upper portion of the base from contact with exterior objects.

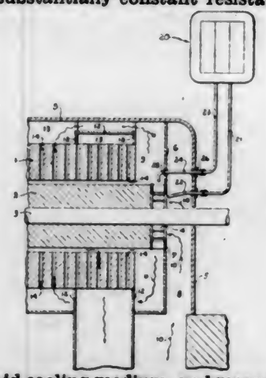
2,258,769
TYPEWRITING MACHINE
John Joseph Kittel, St. Albans, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a corporation of New York
Original application April 25, 1938, Serial No. 204,235. Divided and this application October 19, 1939, Serial No. 300,278
6 Claims. (Cl. 197—151)



1. In a typewriting machine, a carriage; a platen journaled thereon for line spacing movements; a line spacing lever pivotally mounted on the carriage; a ribbon feed roll journaled on the carriage; a pinion having driving connection with said feed roll; and a gear segment mounted for oscillatory rotary movement together with said line spacing lever about the pivot of said line spacing lever and meshing with said pinion.

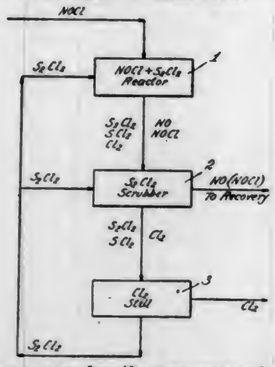
2,258,770
MEANS AND METHOD OF CONTINUOUSLY INDICATING THE RATE OF ROTATION OF SELF-VENTILATED MACHINES
Harold A. Kleinman, Moline, Ill., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 23, 1938, Serial No. 220,947
5 Claims. (Cl. 171—252)

1. In combination, a dynamo-electric machine having a stator member, a housing at least partially enclosing the stator member, a rotor member, a ventilating fan on the rotor member for causing a gaseous cooling medium to flow through the housing, said housing providing a path of substantially constant resistance for the



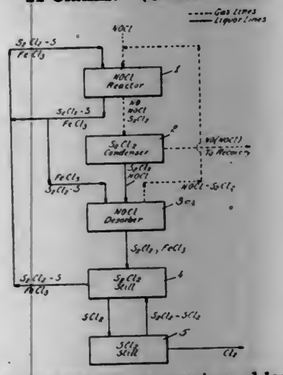
flow of said cooling medium, and means for measuring the difference in pressure of said gas on the intake and discharge sides of said fan, said means being calibrated to indicate the speed of rotation of the rotor member.

2,258,771
PROCESS FOR THE RECOVERY OF CHLORINE FROM NITROSYL CHLORIDE-CONTAINING GASES
William C. Klingelhoefer, Syracuse, N. Y., assignor to The Solvay Process Company, New York, N. Y., a corporation of New York
Application November 4, 1938, Serial No. 238,806
6 Claims. (Cl. 23—219)



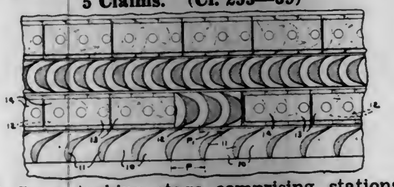
1. In a process for the recovery of elemental chlorine from nitrosyl chloride-containing gases, the steps which comprise mixing sulfur monochloride vapors with an approximately equimolecular amount of nitrosyl chloride, passing the mixture of vapors through a container heated to between about 100° and about 500° C. to form a reaction product having a higher chlorine content than the sulfur monochloride and comprising sulfur dichloride, cooling the hot reaction product leaving the container rapidly to a temperature between about 20° and about 40° C., contacting the reaction product containing nitric oxide, chlorine and sulfur dichloride, with liquid sulfur monochloride, to effect reaction between chlorine in said reaction product and the liquid sulfur monochloride, and distilling the solution thus obtained to recover elemental chlorine.

2,258,772
PROCESS OF RECOVERING CHLORINE FROM NITROSYL CHLORIDE-CONTAINING GASES
William C. Klingelhoefer, Syracuse, N. Y., assignor to The Solvay Process Company, New York, N. Y., a corporation of New York
Application November 4, 1938, Serial No. 238,807
11 Claims. (Cl. 23—219)



1. In a process of recovering chlorine from nitrosyl chloride-containing gases, the steps which comprise reacting nitrosyl chloride with a sulfur-sulfur monochloride solution to produce sulfur monochloride, distilling the sulfur monochloride thus obtained in the presence of a relatively small amount of a catalyst which causes an increase in the rate of formation of sulfur dichloride from sulfur monochloride to produce a composition of considerably higher chlorine content than the sulfur monochloride and comprising sulfur dichloride, and distilling the high chlorine-content composition to recover elemental chlorine therefrom.

2,258,773
ELASTIC-FLUID TURBINE
Reinout P. Kroon, Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 2, 1941, Serial No. 386,442
5 Claims. (Cl. 253—39)



1. In a turbine stage comprising stationary vanes, moving blades each having such natural frequency as to be likely to be resonant with elastic fluid flow disturbances due to the presence of the vanes, and means for connecting together in groups the blades of the first moving row of the stage; the vane pitch, the blade pitch and the number of blades connected together in each group having the relation,

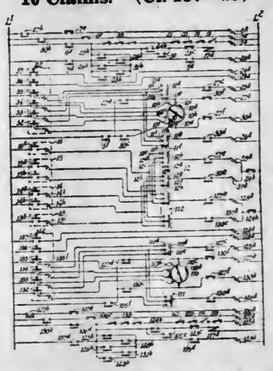
$$p = p_1 \frac{n}{m}$$

where p is the vane pitch, p_1 the blade pitch, n the number of blades connected together in each group, and m is a whole number which is neither equal to nor a multiple of n.

2,258,774
MANUFACTURE OF ABRASIVE PRODUCTS
Joseph N. Kuzmick, Passaic, N. J., assignor to Raybestos-Manhattan, Inc., Passaic, N. J., a corporation of New Jersey
No Drawing. Application January 24, 1939, Serial No. 252,547
8 Claims. (Cl. 51—309)

4. An indurated abrasive product comprising abrasive particles bonded with an organic bond, the said organic bond having metallic particles distributed in situ therein, being incorporated in the abrasive product in the indurating thereof, the said metallic particles being in the proportion of 10% to 50% by weight on the organic bond and being selected to have a melting point in the range of grinding temperatures of the abrasive product.

2,258,775
ELECTRIC CONVEYOR SYSTEM
Eivind U. Lassen, Whitefish Bay, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application November 18, 1939, Serial No. 305,101
10 Claims. (Cl. 187—29)

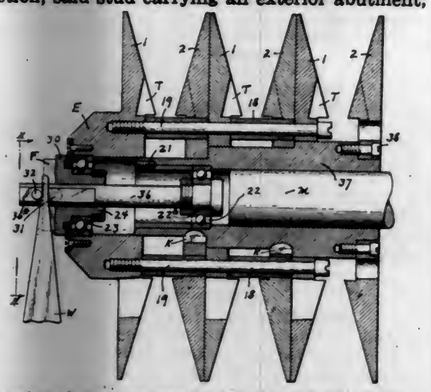


1. A conveying system, comprising a car, car actuating means, a plurality of landing push button switches, at least one on each landing to be served by said car, a plurality of car push button switches in the car, at least one for each landing, said push button switches being operable to start said car actuating means to move said car to the corresponding landing and being provided with electromagnetically releasable mechanical latching means to retain them in their operated position, and means controlled by said car actuating means to cause the latter to respond in a predetermined order to the control by said push button switches, irrespective of the order of actuation of the latter, said last named means including means to energize said latching means to cause return of the respective switches to their inoperative position in said order and thereby stop said car actuating means when said car reaches the respective landing.

2,258,776
VARIABLE SPEED MECHANISM
Arthur W. L'Hommedieu and Eric Hawkinson, Chicago, Ill., assignors to Chas. F. L'Hommedieu & Sons Co., Chicago, Ill., a corporation of Illinois
Application April 19, 1940, Serial No. 330,568
11 Claims. (Cl. 74—230.17)

1. In an expansible pulley, the combination of

axially stationary and slidable complementary sections, a nonrotatable axial stud, having a rotatable connection within and to the stationary section, said stud carrying an exterior abutment,



an axial abutment carried by the slidable section and spaced adjacent to and inwardly of the exterior abutment, and a two-faced wedge acting between said abutments for moving the slidable section toward the stationary section.

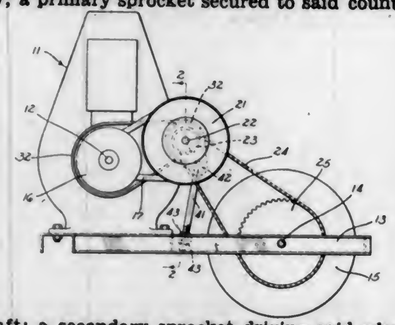
2,258,777
PACKAGING DEVICE
Irving S. Lermer, Newark, N. J., assignor to Hygienic Tube & Container Corporation, Newark, N. J., a corporation of New Jersey
Application June 10, 1939, Serial No. 278,395
2 Claims. (Cl. 206—42)



1. In a packaging device for pills, capsules and the like, a sheet of transparent material having a plurality of spaced semi-spherical depressed portions arranged in rows and adapted to receive the articles being packaged, a second sheet of transparent resilient material positioned above said first sheet and having a plurality of apertures directly above the depressed portions in the first sheet, said second sheet having a plurality of inwardly directed prongs surrounding each aperture, said prongs being substantially triangular in shape and inclined upwardly towards each other, said prongs being resiliently, hingedly connected with said second sheet and overhanging the depressed portions to releasably, resiliently hold the articles downwardly in said depressed portions and means to secure said sheets together, said sheets having perforations between said rows to enable the ready removal of a row when so desired.

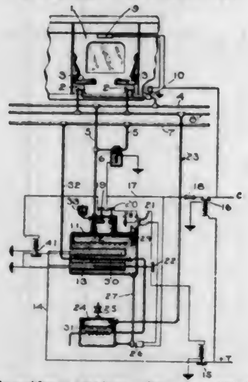
2,258,778
CHAIN ADJUSTMENT
Howard B. Lewis, Venice, Calif., assignor to Salsbury Corporation, Inglewood, Calif., a corporation of California
Application September 30, 1940, Serial No. 359,060
3 Claims. (Cl. 180—70)

1. In a vehicle, having a main frame, a driving wheel, and an engine mounted on said frame, mechanism through which said engine drives said wheel comprising: a primary pulley rigidly secured to the shaft of said engine; an arm secured to said engine in such a manner that it can be rotated about the axis of said engine shaft; a countershaft turning in bearings carried on the movable end of said arm; a secondary pulley secured to said countershaft; a belt connecting said pulleys and through which power is transmitted from said primary pulley to said secondary pulley; a primary sprocket secured to said counter-



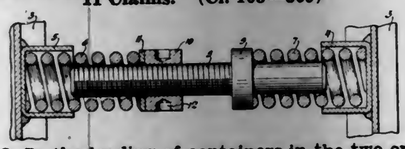
shaft; a secondary sprocket driving said wheel; a chain connecting said sprockets and through which said power is transmitted from said primary sprocket to said secondary sprocket; and a member of adjustable length connecting said arm with said frame in such a manner that the position of the arm may be adjusted to regulate the distance between the centers of said sprockets.

2,258,779
STEAM HEATING SYSTEM FOR VEHICLES
Maurice Loiseau, Paris, France, assignor, by mesne assignments, to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application March 23, 1939, Serial No. 263,608
In France July 21, 1938
2 Claims. (Cl. 219—39)



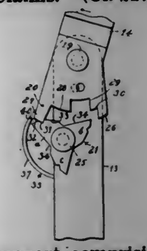
1. In a heating system for a vehicle, in combination, radiator apparatus, a boiler device adapted to supply vapor thereto, a condensate reservoir adapted to receive liquid from said radiator apparatus, electrical heating means for said boiler device, and control apparatus therefor comprising electroresponsive pump means operative to return liquid from said reservoir to said boiler device, a control circuit, a relay operative when deenergized to open said control circuit, a power circuit through which current may be supplied for energizing said relay, a supply relay adapted to be energized for connecting said electrical heating means to said power circuit, a first branch circuit for connecting said control circuit to said supply relay, switch means responsive to boiler pressure and temperature for controlling said first branch circuit, a second branch circuit for connecting said control circuit to said pump means, and switch means responsive to a predetermined fall in the level of liquid in said boiler to open said first branch circuit while closing said second branch circuit.

2,258,780
CUSHION ATTACHMENT
Neil M. Loney, Royal Oak, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 17, 1940, Serial No. 357,153
11 Claims. (Cl. 105—369)



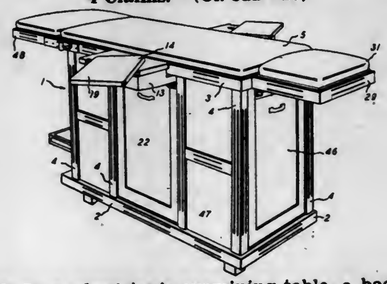
2. In the loading of containers in the two ends of a box car from a central side door opening with the containers placed against the end walls and against each other successively, means to resist displacement of the loaded containers including a pair of axially aligned spreader springs exerting a spreading force against adjacent containers at the door opening and a spreading jack axially aligned with the springs between their adjacent ends and provided with bearing portions seating the springs at their said adjacent ends and with locating terminal portions piloted within the endmost coils of said springs.

2,258,781
LID SUPPORT
Walter R. Lustig, Rockford, Ill.
Application June 18, 1937, Serial No. 148,829
13 Claims. (Cl. 217—60)



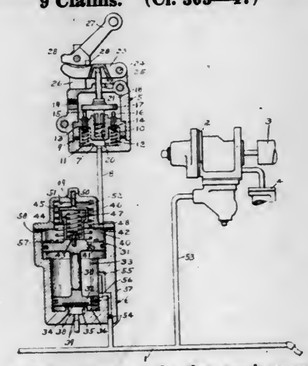
1. In a lid support comprising an arm pivotally attached to a lid, and another arm pivotally attached to a receptacle on which the lid is hinged, said arms being pivotally connected at their free ends, pawl and ratchet means for releasably locking said arms in unfolded relation supporting the lid in raised position, comprising a ratchet and a plural toothed rotary pawl one of which is movable relative to the other with one of said arms so that the pawl and ratchet move into and out of mesh and the pawl turns progressively in one direction to and from locking position relative to the ratchet, said ratchet having two abutments spaced in the direction of oscillatory movement of the arms, said abutments being so spaced and proportioned in relation to the shape and spacing of the pawl teeth to provide an extension limit stop and retracting limit stop in alternate lid lifting and lowering movements, the pawl having at least three radial teeth in equally circumferentially spaced relation, each generally triangular in form, straight on one side and having an outwardly facing shoulder on the other side, the ratchet having a reset notch between the two abutments to allow entry of the end of a tooth of the pawl in the indexing rotation of the pawl while meshed with the ratchet.

2,258,782
PHYSICIAN'S EXAMINING TABLE
Rogers W. McKean, Fort Worth, Tex.
Application December 19, 1939, Serial No. 309,983
4 Claims. (Cl. 311—10)



2. In a physician's examining table, a body, a pair of arm rests horizontally and pivotally supported within the said body, said arm rests each comprising a longitudinally positioned axle attached to the said body, lateral bracket arms connected to the said axle at their inner ends, a cross member connecting the outer ends of the said bracket arms, and panels hingedly attached at their lower edges to each side of the said body for engaging the under sides of each of the said arm rests.

2,258,783
BRAKE CONTROL MEANS
Donald L. McNeal, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application June 28, 1940, Serial No. 342,928
9 Claims. (Cl. 303—47)



1. In a fluid pressure brake equipment of the type comprising a brake pipe and a brake controlling mechanism operative upon a reduction an emergency rate for effecting an application of the brakes, in combination, an application valve in brake pipe pressure at either a service rate or device subject to brake pipe pressure and an op-

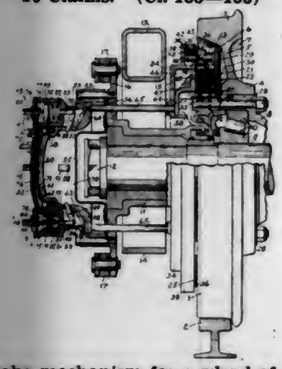
posing control pressure and operative upon reductions in the control pressure at different rates to effect a reduction in brake pipe pressure at either a service rate or an emergency rate, and valve means selectively operative to effect reductions in the control pressure at said different rates for controlling the operation of said application valve device.

2,258,784

BRAKE MECHANISM

Donald L. McNeal, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application September 28, 1940, Serial No. 358,749
16 Claims. (Cl. 188—153)



1. A brake mechanism for a wheel of a vehicle truck having an axle carried by said wheel and a journal box journalled on said axle and comprising in the space between said wheel and the adjacent end of said journal box an annular rotatable friction brake element secured to rotate with said wheel, and a non-rotatable brake element arranged to be moved axially relative to said rotatable brake element into frictional engagement therewith to effect braking of said wheel, piston means carried by the opposite end of said journal box and connected to said non-rotatable brake element and operative by fluid under pressure to effect interengagement of said brake elements for braking said wheel, spring means carried by said journal box at said opposite end thereof and connected to said non-rotatable brake element for actuating same, and means operative by fluid under pressure for energizing said spring means and operative upon the release of fluid under pressure for rendering said spring means effective to actuate said non-rotatable brake element.

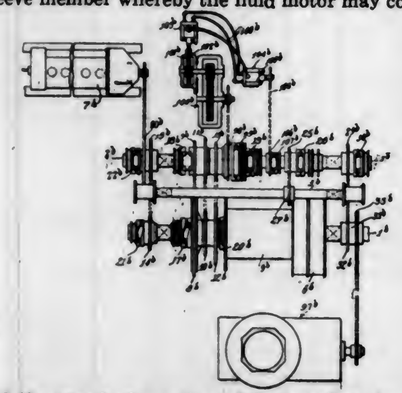
2,258,785

DRAWWORKS

John S. Morgan, Jr., Manhattan Beach, Calif., assignor to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania

Original application December 21, 1935, Serial No. 55,591. Divided and this application April 29, 1939, Serial No. 270,797
3 Claims. (Cl. 254—187)

1. In a rotary drilling rig, the combination of a drawworks having a drumshaft and a driveshaft, a spooling drum on the drumshaft, a sleeve member rotatably mounted on the drive shaft, a fluid motor, means including a variable displacement fluid pump driven by the drive shaft to actuate said fluid motor, transmission connections between the sleeve member and the spooling drum and between the fluid motor and the sleeve member whereby the fluid motor may con-



trol the speed of rotation of the spooling drum, and means to selectively vary the displacement of the fluid pump to effect variations in the speed of said fluid motor.

2,258,786

CATALYTIC HYDROCARBON CONVERSION

Ralph M. Melaven, Highland, Ind., and Rodney V. Shankland, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana

No Drawing. Application January 19, 1939, Serial No. 251,738
4 Claims. (Cl. 196—52)

3. The process of converting hydrocarbon oils into gasoline which comprises vaporizing said oils and subjecting the vapors thereof at a conversion temperature to the action of a catalyst prepared by precipitating active silica by the action of a substantial excess of inorganic acid on a silicate, treating said active silica with an acid solution of a copper salt whereby a copper compound is adsorbed thereon and thereafter drying the treated silica catalyst.

2,258,787

CATALYTIC CONVERSION OF HYDROCARBON OILS

Ralph M. Melaven, Highland, Ind., and Rodney V. Shankland, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana

No Drawing. Application January 25, 1939, Serial No. 252,774
4 Claims. (Cl. 196—52)

1. The process of converting heavy hydrocarbon oils into gasoline comprising vaporizing said oils and subjecting the vapors at a temperature between about 700 and 1050° F. to the action of a catalyst consisting essentially of silica gel promoted by titanium, said catalyst being made by treating said gel with a titanium compound in an acid solution and thereafter washed and dried.

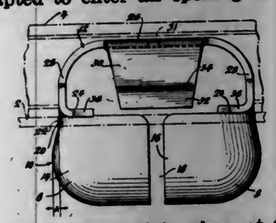
2,258,788

REVEAL MOLDING CLIP

Engelbert A. Meyer and Bart Cotter, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application August 23, 1940, Serial No. 353,836
7 Claims. (Cl. 24—73)

1. In a clip to secure a molding in place on an object, a head part and a securing part, said securing part comprising two semi-bulbous members extending beyond the full length of the clip and adapted to enter an opening in the object



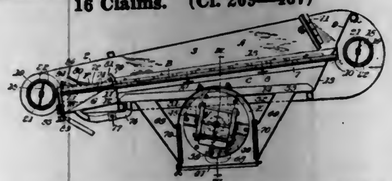
and be tightly retained in place at the edge of the opening around the entire periphery of the bulbous members, and means on the head to retain a molding strip.

2,258,789

METHOD OF AND APPARATUS FOR SEPARATION OF MATERIALS

Thomas Hubbard Morgan, Kittanning, Pa., assignor to S. S. Bruce, and H. C. Oliver, Pittsburgh, and T. Hubbard Morgan, Kittanning, Pa., trustees

Application January 13, 1938, Serial No. 184,805
16 Claims. (Cl. 209—467)



1. In a separator device, the combination with a table including a material-receiving element, of a pneumatically operable vibrator for the table, a flexible mounting for resiliently supporting the table including a pair of spaced apart flat springs and rotatable members in which the springs are located and movable therewith, and cooperating means for both adjusting the directional thrust of the vibrator and for varying the direction of flex ing of the springs in relation to said material-receiving element.

14. In the herein described method of separation of material including the vibration and flotation of the material, the steps of vibrating the material by a pneumatically operable vibrator, effecting flotation of the material by a constant flow of air passed entirely through the depth of the material, and pulsating said air flow by the added exhaust fluid from the vibrator.

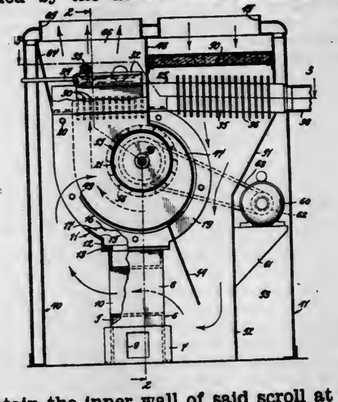
2,258,790

AIR TEMPERING DEVICE

Harry S. Murphy, Buffalo, N. Y., assignor to Coreco, Inc., Buffalo, N. Y., a corporation of New York

Application July 25, 1939, Serial No. 286,390
9 Claims. (Cl. 126—110)

1. An air tempering device, comprising a rotary fan wheel carrying blades to discharge air centrifugally outward, a double walled cast iron scroll forming an enclosed chamber and surrounding said fan wheel and cooperating with the blades of said fan wheel to discharge air through an outlet at the enlarged part of said scroll, separate side plates secured to the sides of said cast iron scroll at least one of which is formed to provide an air inlet adjacent the axis of the fan wheel and means for passing a tempering medium through the enclosed chamber provided by the double walls of said scroll to



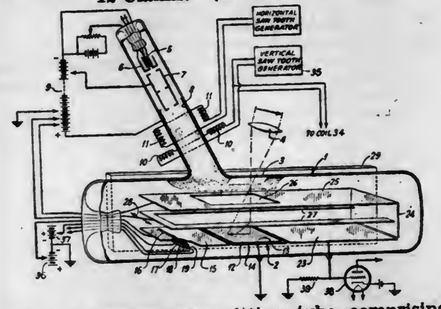
maintain the inner wall of said scroll at a temperature substantially different from the air drawn in said inlet to temper this air before being discharged from said outlet.

2,258,791

IMAGE TRANSMITTING TUBE

Herbert Nelson, Bloomfield, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application January 31, 1939, Serial No. 253,763
12 Claims. (Cl. 178—7.2)



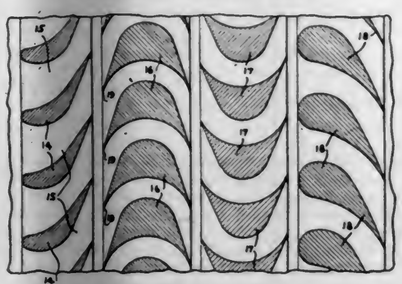
1. A television transmitting tube comprising an evacuated envelope, a light sensitive mosaic electrode having the property of liberating electrons when scanned by a high velocity electron beam positioned in said envelope to have focused thereon an optical image, an electron gun exposed to said mosaic electrode to generate and direct a beam of electrons on said electrode, means to scan the beam from said gun over said mosaic in two mutually perpendicular directions, an elongated cathode parallel to one of said directions of scanning and having a length substantially equal to the dimension of said mosaic electrode in the direction of said one of said directions of scanning to generate a sheet-like beam of electrons said cathode lying in substantially the same plane as the plane of said mosaic electrode, magnetic means to sweep said sheet-like beam along arced paths of progressively increasing length over said mosaic electrode in a time and space sequence following the scanning of the beam of electrons from said gun and means to collect electrons liberated from the surface of said mosaic electrode.

2,258,792
TURBINE BLADING
Winston R. New, Springfield, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 12, 1941, Serial No. 388,197
4 Claims. (Cl. 253—69)



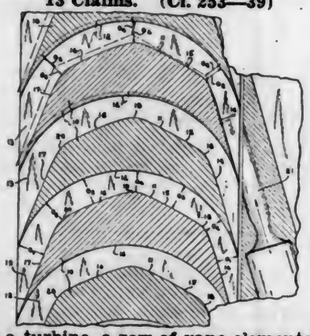
1. In a full-peripheral admission reaction turbine designed for a relatively small expansion ratio and a narrow range of stage velocity ratios, a plurality of successive stages, each stage including a pair of rows of relatively movable blades; the blades having a height dimension h and a chord dimension l sufficiently large in relation to height to give an aspect ratio, h/l, of the order of four as a maximum at the low-pressure end and decreasing therefrom toward the high-pressure end of the turbine because of decrease in blade height, and having such gauging, o/s, where o is the minimum opening between adjacent blades and s is the blade pitch, that, for the flow area ratio, $h/l \times o/s$, necessary for the development of the desired power, optimum stage efficiency is attained by making the gauging smaller at the high-pressure end than at the low-pressure end of the turbine.

2,258,793
ELASTIC-FLUID TURBINE
Winston Randolph New, Springfield, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 19, 1940, Serial No. 324,743
11 Claims. (Cl. 253—39)



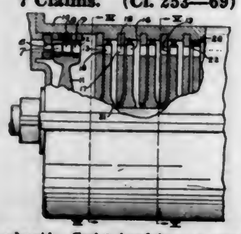
1. In an elastic-fluid turbine, a plurality of stages, each including stationary and moving rows of blades, the initial stage including means for converting heat energy of elastic fluid into velocity energy such that elastic fluid is supplied to blades thereof at super-acoustic velocity, the first row of blades of the initial stage receiving elastic fluid at super-acoustic velocity having sharp inlet edges, and the remaining blades each being of foil section and having well-rounded inlet edges so that those blades which encounter a sub-acoustic inlet velocity can accommodate a wide range of variation in the angle of approach of the elastic fluid.

2,258,794
ELASTIC FLUID TURBINE
Stewart Way, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 16, 1940, Serial No. 335,465
13 Claims. (Cl. 253—39)



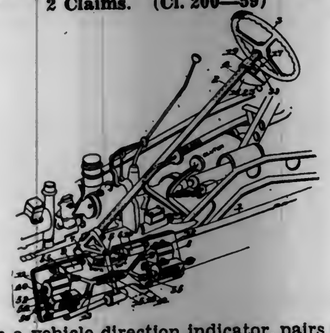
1. In a turbine, a row of vane elements having inlet and outlet edges and convex and concave faces extending therebetween and providing passages for elastic fluid delivered thereto at super-acoustic velocity, said passages having the convex faces thereof formed by flat portions, including flat portions extending to the inlet and outlet edges of the vane elements, and three or more corner portions joining successive flat portions and said passages providing pressure conditions about each corner portion such that the latter is capable of inducing, without other mechanical constraint, turning of the fluid stream in its passage without compression shocks.

2,258,795
ELASTIC-FLUID TURBINE
Winston R. New, Springfield, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Continuation of application Serial No. 380,029, February 21, 1941. This application June 14, 1941, Serial No. 398,004
7 Claims. (Cl. 253—69)



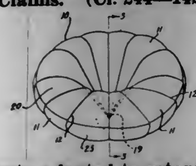
1. In an elastic fluid turbine, a multiple velocity abstraction stage followed by a plurality of other stages; said multiple-velocity abstraction stage including first and second rows of moving blades separated by a row of reversing blades; said first row of moving blades having sharp inlet edges and the second row of moving blades being of foil section having inlet edges sufficiently well-rounded to cause the streamlines of elastic fluid approaching at sub-acoustic velocity to accommodate themselves to the blades over a wide range of variation in the angle of approach of elastic fluid; said second row of moving blades being disposed in a pitch to chordal dimension ratio equal to or less than ⅔ and greater than ⅓ and the foil section of each such blade having a camber dependent upon the stage velocity ratio at which maximum efficiency is sought such that, as such velocity ratio is decreased, the camber is increased and vice versa, and the amount of camber being equal to or greater than ¼ of the chordal dimension of the foil section; and said other stages including stationary and moving blades each of foil section and having an inlet edge sufficiently well-rounded to cause streamlines of elastic fluid approaching at sub-acoustic velocity to accommodate themselves to the blade over a wide range of variation in the angle of approach of the elastic fluid.

2,258,796
VEHICLE DIRECTION SIGNALING APPARATUS
David B. O'Kelly, Bishopville, S. C.
Application December 10, 1937, Serial No. 179,212
2 Claims. (Cl. 200—59)



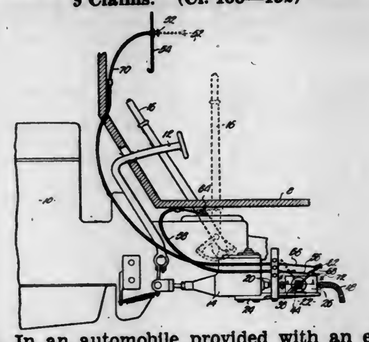
1. In a vehicle direction indicator, pairs of axially confronting switches, each switch of each pair having a contact rod, a pair of forked links having the forks loosely connected to the respective pairs of rods, and having slotted portions in overlapping relationship to register the slots at the outer extremities of said portions to delineate a hole, and a stud carried by a steering gear-arm which is situated medially of the switch pairs, said stud occupying the hole and being adapted to move idly in one slot in pushing against the contiguous extremity of the other slot when actuating the respective switch pair.

2,258,797
PARACHUTE
John Overbeke, Cleveland Heights, Ohio
Application September 15, 1938, Serial No. 230,077
4 Claims. (Cl. 244—142)



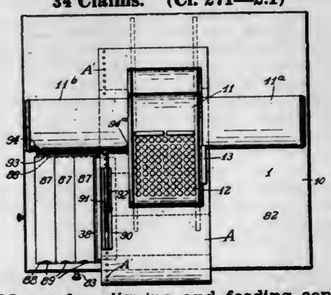
1. A parachute adapted to retard the speed of a falling body comprising an unbroken circular spread of material having downwardly turned edges, a center portion turned downwardly to form a closed wedge-shaped lateralwise protuberance located substantially along one diameter of the unbroken circular spread and inside the parachute as the parachute is in operative position, center shroud means attached to said closed lateralwise protuberance and adapted to hold the body, and peripheral shroud means attached to the downwardly turned edges and adapted in cooperation with the center shroud means to hold the body, said shroud means arranged when the parachute opens to cause the center shrouds attached to the closed lateralwise protuberance to take the weight of the falling body before the peripheral shroud means takes the weight.

2,258,798
VEHICLE BRAKE LOCK
Audie Ross Patrick, Kansas City, Mo.
Application December 16, 1940, Serial No. 370,336
9 Claims. (Cl. 188—152)



1. In an automobile provided with an emergency braking system and a fluid braking system, having a manually controlled lever, the combination of means for precluding release of the fluid braking system after the said lever has been moved to the brake-setting position, said means being connected to parts of the emergency braking system for movement thereby to the operative condition as the said parts of the emergency braking system are moved to their brake-setting position, said means having a manually operative connection extending to a point close to the driver's seat for moving the same to an inoperative condition.

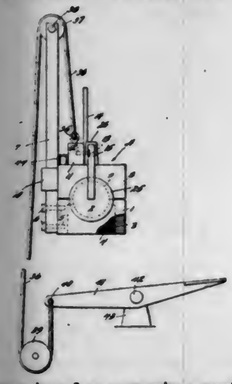
2,258,799
SHEET ALIGNING AND FEEDING APPARATUS
Walter B. Payne, Rochester, N. Y., assignor to The Todd Company, Inc., Rochester, N. Y., a corporation of New York
Application June 18, 1937, Serial No. 148,973
34 Claims. (Cl. 271—2.1)



1. Means for aligning and feeding continuous perforated sheets, comprising a plurality of endless carriers, spaced rotatably mounted sup-

porting members for each carrier, the supporting members of said carriers being spaced corresponding distances apart and those of one carrier being positioned a predetermined distance in advance of those of another carrier, a plurality of sheet feeding devices each pivotally connected with said carriers for advancement thereby, means on said devices for engaging the sheets in the perforations thereof to advance the sheets in a predetermined direction, and operating means for the carriers.

2,258,800
APPARATUS FOR STRAIGHTENING FILLED CANS
Jack Pearlman, East Hempstead, Long Island, and Hjalmar Kittilsen, Springfield Gardens, N. Y.
Application June 15, 1939, Serial No. 279,362
10 Claims. (Cl. 153—32)

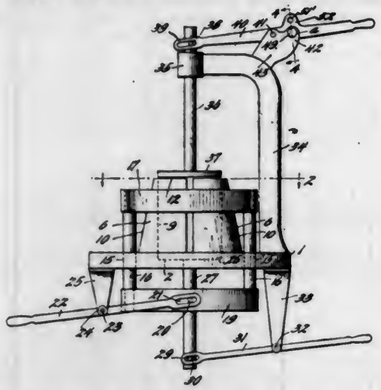


1. An apparatus for removing surface irregularities from filled cans comprising a recessed die for receiving the upper half of the circumference of a filled can, means engaging the ends of the can and maintaining the latter in said recess, said means including end plates, means for receiving the lower half of the circumference of the can, and means for elevating and dropping said first mentioned die to impact the lower half of the circumference of said can with said receiving die.

2,258,801
DEVICE FOR STRAIGHTENING FILLED CANS
Jack Pearlman, East Hempstead, Long Island, and Hjalmar Kittilsen, Springfield Gardens, N. Y.
Application November 9, 1939, Serial No. 303,666
8 Claims. (Cl. 153—48)

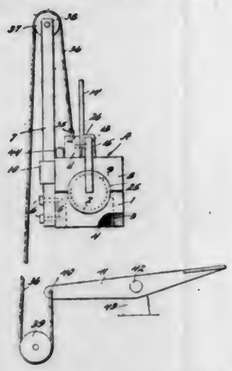
1. A device of the character described for removing surface irregularities from filled cans including means for engaging the opposite ends of a filled can, a plurality of die means for simultaneously imparting a series of impacts to the circumferential surface of the can while the first mentioned means are retained in non-yielding and co-extensive engagement with the opposite ends of the can, means operable to effect simultaneous movement of said die means in can impacting direction, and means for automatically moving said die means to expanded position upon removal of said operable means.

7. A device for removing irregularities from filled cans including a base portion, means for supportingly engaging one end of a filled can associated with said base, said means being vertically adjustable, means for compressingly engaging the other end of said can, means supported by said base for effecting vertical adjustment of said last mentioned can engaging means and operable to maintain the same in can engaging or disengaging positions, automatically expansible die means adapted to embracingly and simultaneously impart a series of impacts to the cir-



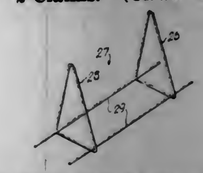
cumferential surface of the can while the ends of the can are engaged by, respectively, said supporting and compressing means, ring means operable to control the movement of the dies in can engaging direction, and means for elevating said can supporting means to effect ejection of the can after the removal of its surface irregularities.

2,258,802
METHOD FOR STRAIGHTENING AND TESTING FILLED CANS
Jack Pearlman, East Hempstead, Long Island, and Hjalmar Kittilsen, Springfield Gardens, N. Y.
Original application June 15, 1939, Serial No. 279,362. Divided and this application March 23, 1940, Serial No. 325,620
2 Claims. (Cl. 153—32)



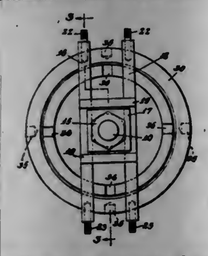
2. A method for removal of surface irregularities from filled cans consisting in applying pressure to the opposite ends of the can by rigid surfaces, and then subjecting the can to sudden impact to generate forces circumferentially of the can while at the same time surrounding the can with non-yielding reaction surfaces whereby the generated forces will react with the various surfaces of the can to remove all irregularities therefrom.

2,258,803
BIRDPROOFING
Julius Stanley Peles, New York, N. Y.
Application May 24, 1939, Serial No. 275,469
2 Claims. (Cl. 20—1)



2. Birdproofing material comprising a plurality of longitudinal wires and a plurality of transverse interconnecting members each in the form of a wire triangle having a rounded apex, said longitudinal wires being affixed to said triangular members in the corners thereof remote from their rounded apexes with the bases of said triangles running between and holding the longitudinal wires apart and together forming a base for the material.

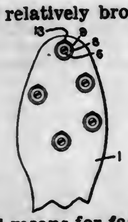
2,258,804
PRESSURE CHAMBER
Hans Pfleumer, New Brunswick, N. J., assignor to Rubatex Products, Inc., New York, N. Y., a corporation of Delaware
Application April 26, 1938, Serial No. 204,482
5 Claims. (Cl. 220—55)



1. In combination, a pressure chamber having an open end, a closure member and a gasket positioned between a periphery of said closure member and the internal surface of the open end of said pressure chamber, a pressure sleeve in screw thread engagement with said pressure chamber in said open end, said closure member being positively positioned by means of a rigid member comprising a thrust ring, said thrust ring being in screw-thread engagement with said pressure sleeve, said closure member being positioned in spaced relation from said pressure sleeve whereby a predetermined pressure is maintained upon said gasket.

2,258,805
CALK FOR ATHLETIC SHOES AND THE LIKE
Fred C. Phillips, Stoughton, Mass.
Application May 27, 1940, Serial No. 337,457
6 Claims. (Cl. 36—59)

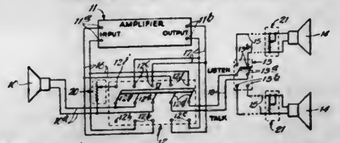
1. A calk for athletic shoes and the like comprising a substantially circular, concave, sheet metal plate having a peripheral rim portion to engage firmly the under face of the sole with integral inwardly extending prongs adapted to be embedded in the sole and having an integral V-shaped ground-engaging member bent substantially perpendicularly outwardly from said plate at or beyond the periphery thereof and presenting a thin ground-penetrating edge and angularly disposed relatively broad ground-engaging surfaces, and means for fastening the central portion of said plate to the sole.



2,258,806
PRODUCTION OF LUBRICANTS
Mathias Pier, Heidelberg, and Friedrich Christmann, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to William E. Currie, New York, N. Y.
No Drawing. Original application January 19, 1935, Serial No. 2,586. Divided and this application November 19, 1937, Serial No. 175,494. In Germany January 20, 1934
15 Claims. (Cl. 260—139)

1. A composition of matter comprising a synthetic product of high molecular weight prepared by condensation, by means of a catalyst of the Friedel-Crafts reaction, of a mixture of an organic compound selected from the class consisting of unsaturated- and halogen-containing compounds having a long hydrocarbon chain and a substance selected from the class consisting of elementary sulphur and reactive organic sulphur compounds possessing anti-oxidant properties.

2,258,807
COMMUNICATION SYSTEM
Roy S. Pitkin, Jr., Minneapolis, Minn.
Application January 5, 1940, Serial No. 312,540
11 Claims. (Cl. 179—1)

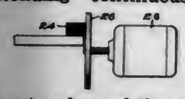


1. The combination with a two-way telephonic intercommunicator station including a combined microphone and reproducer means, a common electronic amplifier for both outgoing and incoming signals and a talk-listen switch, of means associated with said station for imposing a limit on the intensity of signals handled thereby below the maximum signal handling capability of said station, and means operating responsive to operation of said switch for maintaining said limiting means in substantially ineffective condition while said switch is set in only one of the respective talk and listen positions thereof whereby the full signal handling ability of said station will be available only when said switch is in said one position.

2,258,808
PRODUCTION OF ARTICLES WITH VISCOUS COATINGS
Robert W. Polley, Nashua, N. H., assignor to Nashua Gummed and Coated Paper Company, Nashua, N. H., a corporation of Massachusetts
Application July 24, 1940, Serial No. 347,255
4 Claims. (Cl. 164—17)

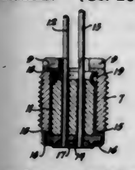
4. A method of making articles of sheet material which have at least a partial coating of

viscous material which comprises assembling as a pile sheets from each of which a plurality of such articles may be cut and having a coating thereon extending continuously across lines



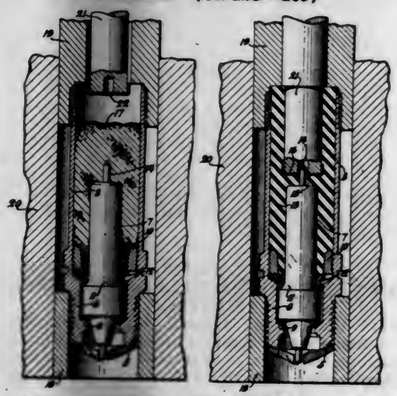
corresponding to edges of the articles to be cut, press-cutting the pile along said lines and operating on the sides of the pile sections with a rapidly rotating tool to cut away a slight depth thereof where the coating extends to said sides.

2,258,809
THERMOCOUPLE
Hector Rabezzana, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 28, 1939, Serial No. 301,793
5 Claims. (Cl. 136—4)



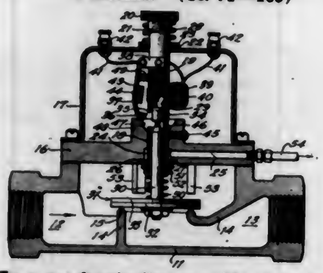
1. A thermocouple comprising a hollow tubular shell having an internal abutment adjacent its upper end; a vertically movable supporting member within said shell and having two passages extending longitudinally therethrough; two wires of different materials extending one through each of said passages; a metallic connecting member whereby the inner ends of said wires are connected with one another and against which the lower end of said supporting member abuts; and an annular holding member between said abutment and the upper end of said supporting member.

2,258,810
SHIELDED AIRCRAFT SPARK PLUG
Hector Rabezzana and Alexander J. Battey, Flint, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 5, 1940, Serial No. 312,476
2 Claims. (Cl. 123—169)



1. A spark plug comprising a hollow metallic shell or casing threaded at its lower end to screw into an opening in an engine cylinder and having a lower portion for housing an insulating member, and having also an upper shield portion; an insulating member located within the lower and extending into the upper shield portion of said shell, and the upper end of which insulating member is smaller in diameter than the interior of said shield portion so as to provide an annular space between the two; means for securing said insulating member in place within the lower portion of said shell; and a tubular lining member of plastic material molded in place within said annular space and in intimate contact with the interior of said shield portion and with the exterior of the upper end of said insulating member, and which lining extends above the upper end of said insulating member.

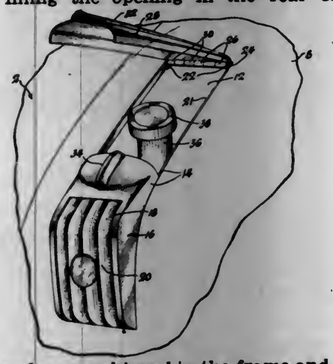
2,258,811
ELECTROMAGNETICALLY CONTROLLED OPERATOR
William A. Ray, Glendale, Calif.
Application May 27, 1940, Serial No. 337,480
4 Claims. (Cl. 74—469)



1. In a mechanically operable and electromagnetically controlled operator, in combination: a first member adapted to be moved mechanically; a latch carried by said first member; electromagnetic means comprising a core element, having an energizing coil, and an armature element cooperable with said core; one of said electromagnetic elements being mounted on said first member and the other on said latch; said latch being movable with respect to said first member between a first position wherein said electromagnetic elements are in engagement with each other, and a second position, wherein said elements are out of engagement; means biasing said latch to said second position; said core being adapted when energized to magnetically hold said armature in engagement therewith only when the electromagnetic elements are first mechanically brought to that position, whereby said latch is maintained in said first position against the force of said bias; a second member adapted to be operated by the movement of said first member only when said latch is magnetically held in said first position; and means, so positioned as to be engaged by said latch when said first member is initially moved, for moving said latch to said first position.

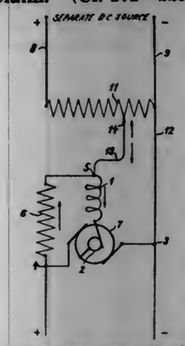
2,258,812
REAR FENDER
Arthur Ross, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 16, 1939, Serial No. 295,189
3 Claims. (Cl. 280—152)

1. In a rear fender construction for a motor vehicle, said fender having an opening, a frame rigidly mounted in the opening, said frame having an opening at each end thereof, a stationary tail light window rigidly mounted in and completely filling the opening in the rear of the



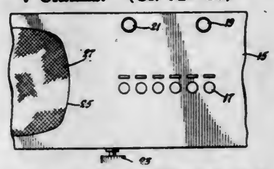
frame, and a cover hinged to the frame and when closed concealing the front opening therein and forming a continuation of the upper part of the frame, said cover when open enabling access to a fuel inlet beneath the fender.

2,258,813
EXCITING DIRECT CURRENT GENERATOR
Ludwig Schön, Essen-Margarethenhohe, Germany
Application March 20, 1939, Serial No. 262,899
In Germany April 4, 1938
1 Claim. (Cl. 171—229)



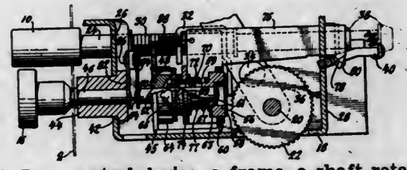
In a device of the class described, a direct current generator comprising an exciting winding; an armature comprising a winding and a commutator; brushes bearing on said commutator; lead means permanently connected to one segment of said commutator; a source of variable controlling voltage; means forming a separate exciting circuit including said exciting winding, and said source of variable controlling voltage, in which circuit one end of said exciting winding is connected to said lead means, and said source of variable controlling voltage is connected to the other end of said exciting winding and to one of said brushes; and means forming a self-exciting circuit comprising a fixed resistance having one end connected to said other end of said exciting winding and its opposite end connected to a second one of said brushes, said fixed resistance being of at least approximately the lowest value capable of preventing self-excitation of said generator by said self-exciting circuit when said variable controlling voltage is zero.

2,258,814
MECHANICAL DRIVE
Bertram A. Schwarz, James G. Funk, and Howard M. Steizl, Kokomo, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 16, 1939, Serial No. 309,530
7 Claims. (Cl. 74—10)



1. In a mechanical drive comprising a rotatable shaft, driving and holding means for said shaft, disconnecting means for said driving and holding means, angularly adjustable means on said shaft, motion transmitting means operatively connected to said angularly movable means, axially movable means on said shaft, means on said shaft urging said non-rotatable means into frictional engagement with said angularly adjustable means so that said motion transmitting means may be moved when said shaft is rotated by said driving means, manual means for moving said axially movable means into tighter frictional engagement with said angularly adjustable means and for rendering said disconnecting means operative, and manually operable means initially movable to operate said disconnecting means and to thereafter move said motion transmitting means a given amount.

2,258,815
TUNING MECHANISM
Bertram A. Schwarz and Ludwig Fichter, Kokomo, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 17, 1940, Serial No. 346,032
13 Claims. (Cl. 74—10)

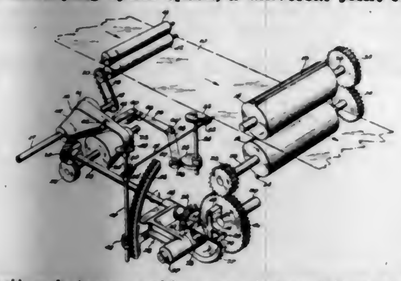


1. In a control device, a frame, a shaft rotatably mounted in the frame, a gear mounted thereon, a second shaft mounted in the frame for both rotative and axial movement, driving means on the second shaft adapted to engage the gear in a given position, means for locking said second shaft in one extreme axial position, means to move said second shaft axially upon rotation thereof and means to rotate the second shaft whereby such rotation will cause axial movement to locked position when the driving means will be in engagement with the gear to drive the first shaft.

2,258,816
CYCLICAL KNIFE ADJUSTMENT
Albert F. Shields, Jamaica, N. Y., assignor to S. & S. Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y., a corporation of New York
Application February 10, 1940, Serial No. 318,294
19 Claims. (Cl. 164—68)

1. A means for cyclically varying the speed of rotation of a shaft while maintaining a constant

average speed of rotation thereof; said means comprising a power transmitting shaft rotatable at unvarying cyclic speed, a universal joint con-



nection between said power transmitting shaft and said first mentioned shaft, and means for varying the angle between said shafts.

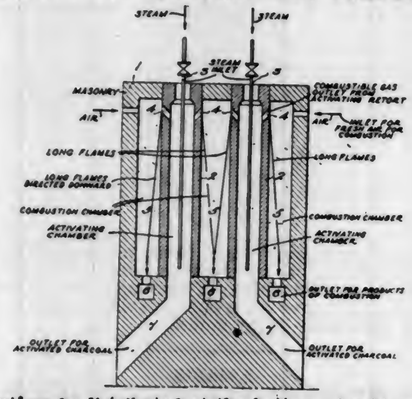
2,258,817
VOTING MACHINE
Ransom F. Shoup, Ardmore, Pa., assignor to The Shoup Voting Machine Corporation, Philadelphia, Pa., a corporation of Delaware
Original application January 12, 1939, Serial No. 250,478. Divided and this application April 10, 1941, Serial No. 387,832
2 Claims. (Cl. 74—491)



1. In a voting machine, a channel member having in its side walls alined apertures with radially extending notches, a shaft extending through said apertures and having an enlarged head, an arm arranged between one wall and said head and having an aperture with radial notches through which said shaft passes, co-acting means on said head and arm for interconnecting said arm and said shaft, pins extending radially through said shaft with the ends of one pin engaging said one wall of the channel member, and a handle having a hollow slotted hub fitting over the end of said shaft with the ends of the remaining pin arranged in the slots in said hub.

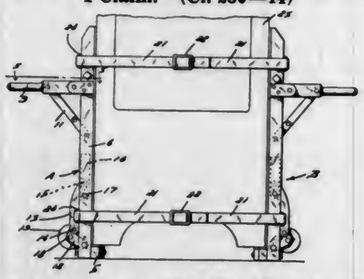
2,258,818
APPARATUS FOR PRODUCING ACTIVATED CARBON
Fritz Sitte, Ratibor, Germany, assignor to Chemical Marketing Company Inc., New York, N. Y.
Application February 26, 1940, Serial No. 320,777
In Germany November 14, 1938
5 Claims. (Cl. 202—124)

1. An apparatus for the activation of carbonaceous materials which comprises an oven, a plurality of vertical retorts in said oven, means for introducing carbonaceous material to be activated into said retorts, means for introducing steam into said retorts at a point near the bottom of a column of carbonaceous material to be activated, conduit means near the upper extremities of said retorts for removing combustible gas from said retorts, said conduit means extending in a downwardly inclined direction from the exterior of said retorts to the interior thereof, means in the upper portion of said oven for the introduction of air to support combustion of said combustible gases for heating said retorts, outlet means in the lower portion of said oven for the removal of the products of the combustion of said combustible gases, said outlet means being



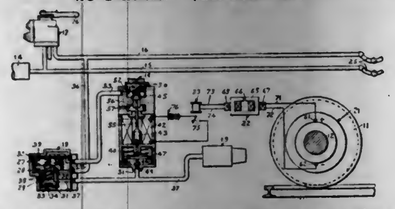
uniformly distributed at the bottom of said oven to provide uniform flow of said combustion gases for heating said oven from the top to the bottom thereof; means to create a flow of burning combustible gases from the tops of said retorts to said outlet means whereby said retorts are heated throughout the height thereof, and means for removing activated carbonaceous material from said retorts.

2,258,819
CARRIER
Edward O. Sohn, Zumbrota, Minn.
Application January 28, 1941, Serial No. 376,371
1 Claim. (Cl. 280—44)



A carrier of the class described comprising a horizontally arranged cross bar, a pair of spaced uprights having their lower ends connected to the outer face of the cross bar, means for connecting the uprights together in spaced relation, a pair of bellcranks having one end pivotally connected to the inner edges of the uprights adjacent the lower ends thereof, a rod extending between the bellcranks and having its ends connected with the heels of the bellcranks, rollers carried by the rod, said bellcranks extending outwardly from the uprights, a pair of arcuate links pivotally connected to the other ends of the bellcranks, a treadle member of inverted U-shape having the terminals of its limbs pivotally connected to the inner edges of intermediate portions of the uprights and means for pivotally connecting the upper ends of the links with the intermediate portions of the limbs of the treadle member, whereby upward movement of the treadle member will cause the links to lift the bellcranks to raise the rollers off a surface on which the carrier rests and downward movement of the treadle member will swing the bellcranks downwardly to place the rollers against the surface and lift the carrier with its lower end above the surface.

2,258,820
BRAKE CONTROL MEANS
Andrew J. Sorensen, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application September 29, 1939, Serial No. 297,103
26 Claims. (Cl. 303—21)

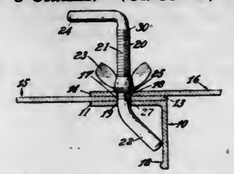


1. Vehicle wheel brake control apparatus of the type for preventing the sliding of the wheels comprising, in combination, means under the control of the operator for controlling the application and release of the brakes associated with a vehicle wheel, a direct-current generator adapted to supply a voltage corresponding substantially to the rotative speed of the vehicle wheel, voltage translating means having a primary winding on which the generator voltage is impressed and a secondary winding in which a voltage is induced proportional to the rate of change of voltage impressed on the primary winding and of opposite polarity depending upon whether the generator voltage is increasing or decreasing, electroresponsive means on which the voltage induced in the said secondary winding is impressed and operatively responsive only to a voltage of that polarity occurring when the vehicle wheel decelerates and in excess of a certain value occurring only when the vehicle wheel decelerates at a slipping rate, and brake control means effective during an application of the brakes in response to the operation of the electroresponsive device for effecting a rapid release of the brakes on the wheel independently of the operator controlled means so as to prevent sliding of the wheel.

2,258,821
METHOD OF PREPARING A HYDROCARBON OIL HAVING DRYING OIL CHARACTERISTICS
Herbert M. Steininger, Kansas City, Mo., and Roy J. Diwoky, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application July 30, 1938, Serial No. 222,116
3 Claims. (Cl. 196—50)

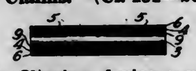
1. The method of preparing a hydrocarbon oil having drying oil characteristics which comprises reforming a heavy naphtha at a temperature ranging from about 980° F. to about 1250° F. and under pressures ranging from about atmospheric pressure to about 750 pounds per square inch, recovering a motor fuel distillate having an octane number of at least about 65 and a reformer tar, and reducing said reformer tar to obtain at least two fractions, at least one of said fractions having a Saybolt Universal viscosity between about 35 seconds and about 100 seconds at 100° F. and a Hanus iodine number between about 75 and about 100.

2,258,822
RIVETING CLAMP
Joseph Thomas Sturgiss and Henry Singer, Honolulu, Territory of Hawaii
Application November 28, 1939, Serial No. 306,572
8 Claims. (Cl. 85—1)



1. A riveting clamp comprising abutment means adaptable to be inserted through an opening, a threaded portion above said abutment portion, a manually operable nut engaging said threaded portion, and a finger piece above and offset from said threaded portion.

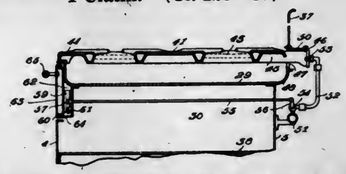
2,258,823
SMOKE FILTER
John G. Tarrant, New York, N. Y.
Application February 7, 1938, Serial No. 189,159
6 Claims. (Cl. 131—208)



1. A smoke filtering device comprising a roll of absorbent textile material, a coating having an opening therein and made of gas and water impervious material, and an outer opaque coating capable of being stained throughout its thickness by matter absorbed in the filter and transmitted through said opening.

3. A smoke filtering device comprising a roll of absorbent textile material in convolute windings about an absorptive core which is relatively more compact in relation to the remainder of said roll.

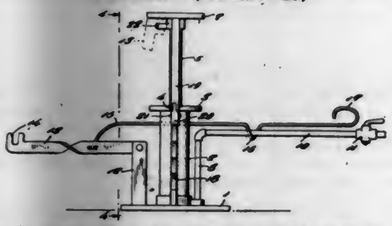
2,258,824
CONVERTIBLE GAS AND COAL RANGE
Jacob Teller, Chicago, Ill., and Arthur P. Schulz, Michigan City, Ind., assignors to G. & J. Teller, Chicago, Ill., a partnership composed of Grace Teller and Jacob Teller
Application February 7, 1938, Serial No. 189,214
1 Claim. (Cl. 126—39)



In a cooking range, a body having front and rear walls, a splasher back forming an upward continuation of the rear wall and having an opening at its lower edge, a door hinged to the top of

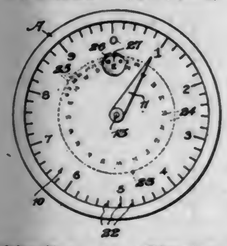
said opening and selectively opening and closing the opening, a manifold fixedly supported from the said back wall, a pipe leading from said manifold and having a forwardly directed terminal nozzle alined with said opening, a removable range top member supported at its front edge from said front wall and extending rearwardly to the rear wall, a gas burner carried by the range top member, and a fuel conduit carried by the range top member and communicating with the burner, said conduit having an opening at its rear end adapted to fit removably on said nozzle.

2,258,825
PNEUMATIC JACK
Herbert Bert Thompson, Pittsburgh, Pa., assignor of twenty-five per cent to Archie H. Ward and twenty-five per cent to Samuel J. Redd, both of Pittsburgh, Pa.
Application October 3, 1940, Serial No. 359,613
2 Claims. (Cl. 121—40)



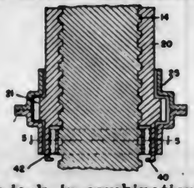
2. A pneumatic jack comprising a base, a cylinder, for the reception of air under pressure, rising from said base, a rod extending slidably into the upper end of the cylinder, a piston on the lower end of said rod operable in the cylinder, a seat on the upper end of the rod, a lip below said seat, a safety catch pivotally mounted for swinging movement in a vertical plane on the base and engageable with said lip for securing the seat in elevated position, and means for actuating said safety catch.

2,258,826
INSTRUMENT FOR USE IN FLYING AIRCRAFT
Eilet M. Torkelson, Elizabeth, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application November 18, 1936, Serial No. 111,485
Renewed August 11, 1938
16 Claims. (Cl. 73—4)



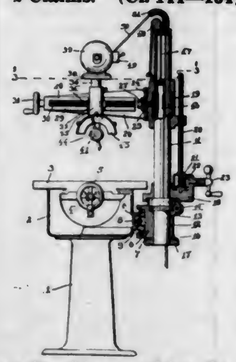
2. In combination, an altimeter including a fixed altitude scale, a pointer movable responsive to changes in altitude of the altimeter to indicate on said scale the altitude of the altimeter, an index, and a direction scale movable with said pointer and cooperating with said index to indicate a definite direction for any given position of said pointer.

2,258,827
LIFTING JACK
Irwin Tracht, Pontiac, Mich., assignor to The American Forging & Socket Company, Pontiac, Mich., a corporation of Michigan
Application May 23, 1940, Serial No. 336,780
1 Claim. (Cl. 254—98)



In a lifting jack, in combination with a standard and a screw shaft supported thereby in upstanding position, a traveler threaded upon said screw shaft, means for turning said traveler to move the same along the screw shaft, comprising a handle rotatable with relation to said traveler, pawl and ratchet means providing a one directional drive between said handle and traveler and permitting rotation of the latter in response to reciprocatory actuation of said handle, spring means maintaining the pawl means and ratchet means in operative engagement with predetermined force and exerting a drag upon said traveler during return movement of said handle, a load-supporting element actuable along said screw shaft by said traveler, and friction spring means housed within said traveler and engaging the screw shaft and imposing frictional resistance to rotation of the traveler which exceeds the drag exerted upon the traveler by said first mentioned spring means, the threads of said screw shaft are flat-topped in cross section, said friction spring means comprising a flat band wide enough to bridge a plurality of threads, engaging the tops of said threads and the interior of said traveler, and trapped within an internal slot in the latter.

2,258,828
UNIVERSAL PATTERN MAKING MACHINE
Henry L. Trebert, Canandaigua, N. Y.
Application January 23, 1939, Serial No. 252,388
2 Claims. (Cl. 144—134)

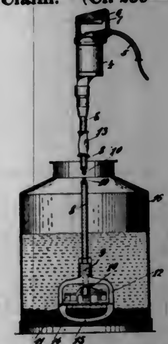


1. In a woodworking machine the combination of a base, a carriage movable laterally on said base, an upright revolvably mounted on said carriage, means movable with said carriage for revolving said upright on said carriage, a collar on said upright revolvably therewith, an arm movable on said upright projecting at right angles therefrom, a feed screw revolvable on said collar parallel to said upright and in threaded engagement with said arm for movement of said arm on said upright, a head movable on said arm, a post revolvably mounted in said head to one side of said arm, a spindle bearing at the bottom of said post extending transversely thereof for revolvable adjustment with said post at the bottom of said arm, a spindle in said bearing, a cutter carried by said spindle, driving means at the top of said post for revolvable adjustment with said post, and means connecting said driving means with said spindle.

2,258,829
METHOD OF GROUND FIXATION WITH BITUMENS
Jacob van den Berge and Folkert Dijkstra, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application June 26, 1939, Serial No. 281,224. In the Netherlands July 8, 1938
11 Claims. (Cl. 61—36)

1. The process of impermeabilizing porous structures comprising the steps of preparing a pumpable solution of asphaltic bitumens in a hydrocarbon solvent of aliphatic character, said solution having a viscosity sufficiently low to penetrate said structure and introducing said solution into said porous structure and allowing said solution to set to a gel within the pores of said structure.

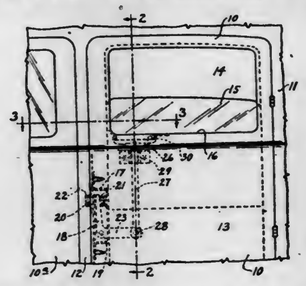
2,258,830
ELECTRIC STIRRING APPARATUS ACTUATED BY HAND
Paul Vollrath, Cologne-on-the-Rhine, Germany
Application March 16, 1940, Serial No. 324,259
In Germany October 11, 1938
1 Claim. (Cl. 259—133)



Electric hand apparatus for stirring liquid with stiff sediment, comprising a driving motor having a casing and a shaft, a tube fixed to said casing through which said shaft extends, a stirring tool fixed to said shaft beyond the end of said tube, a cage surrounding said tool and fixed to said tube, and a blade extending from said cage and having a scraping edge for scraping the sediment from the bottom of a vessel containing the liquid to be stirred.

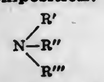
2,258,831
DOOR LATCH AND LOCK
Roger H. Watts, Chicago, Ill.
Application November 7, 1938, Serial No. 239,267
4 Claims. (Cl. 292—227)

4. The combination with a vehicle door having spaced walls and having a hand opening in each wall, of a vertical latch plate pivotally mounted between said walls adjoining the swinging vertical edge of the door, a latch carried by said plate and projecting from the swinging edge of the door, an arm fixed at substantially right angles to said plate adjacent each wall of the door, and individual means coacting with each hand opening and one of said arms for moving said plate about its pivot and out of its normal position.



2,258,832
INSECTICIDAL OIL SPRAY
Alfred W. Weitkamp, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application August 26, 1939, Serial No. 292,069
8 Claims. (Cl. 167—28)

1. The method of preventing the separation of insoluble deposits from tree spray oils containing hydroxy esters of high molecular weight organic acids and polyhydroxy alcohols of the class consisting of glycol and glycerol as emulsifiers and containing an oil soluble toxic of the class consisting of nicotine and oil soluble nicotine compounds, which method comprises adding a stabilizer to such oil sprays in amounts greater than 0.1% and less than 1.0%, said stabilizer being selected from the class of chemical compounds having the following composition:

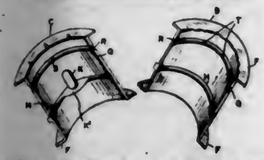


in which R′ is a lower alkyl radical, R″ is a lower alkanol radical and R‴ is selected from the group consisting of hydrogen, lower alkyl radicals and lower alkanol radicals.

2,258,833
INSECTICIDAL OIL SPRAY
Elmer W. Adams, Hammond, Ind., and Thomas E. Sharp, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application August 26, 1939, Serial No. 292,070
6 Claims. (Cl. 167—28)

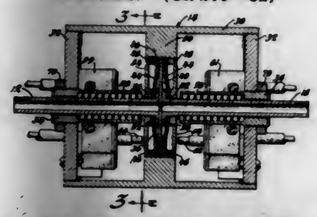
3. The method of preventing the separation of insoluble deposits from tree spray oils containing an hydroxy ester of high molecular weight organic acids and polyhydroxy alcohols of the class consisting of glycol and glycerol and containing an oil soluble toxic of the class consisting of nicotine and oil soluble nicotine compounds, which method comprises adding a mahogany soap to such oil sprays in amounts greater than 0.1% and less than 1.0%.

2,258,834
REAR MAIN BEARING SHELL FOR INTERNAL COMBUSTION ENGINES
Albert B. Willi, Grosse Pointe, Mich., assignor to Federal-Mogul Corporation, Detroit, Mich., a corporation of Michigan
Application August 28, 1939, Serial No. 292,211
6 Claims. (Cl. 308—240)



1. A bearing shell adapted for lodgement in a housing whose wall is traversed by passages connected with the crankcase and with the oil lead respectively of an internal combustion engine, the concave surface of said shell being provided with a pair of grooves and the convex surface of said shell being provided with a single groove in substantial registry with one of said first-mentioned grooves and connected therewith by a wall-traversing aperture, and the other of the grooves on the concave surface of the shell being also provided with a wall-traversing aperture adapted for positioning in operative proximity to the oil lead passage in the housing while the apertures connecting the specified registering grooves are located at the positioned bottom portion of the bearing shell in approximately 60° spaced relation to one another for registry with the recited and correspondingly positioned apertures in the housing, whereby the bearing as a whole is rendered subject to an approximately balanced pressure as regards the otherwise oil-filled spaces provided by its contourings.

2,258,835
FLOW SWITCH
Fred Williams, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 12, 1940, Serial No. 340,058
3 Claims. (Cl. 200—81)



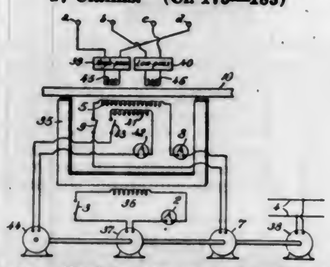
1. In a flow switch device; a hollow cylindrical body member; two adjustable end plates therefor; a first sleeve adjustably secured by one end thereof to one of the two end plates; a second sleeve adjustably secured by one end thereof to the other of the two end plates; a flanged inlet tube extending through the first sleeve; a flanged outlet tube extending through the second sleeve; a plate between the flanges of the inlet and outlet tubes having an orifice therein in alignment with the inlet and outlet tubes, said orifice being of smaller area than the cross-sectional area of passages in the inlet and outlet tubes; two flexible diaphragms, one on each side of the plate, both diaphragms having their outer peripheries in liquid sealing engagement with the outer edge of the plate and one diaphragm having an inner portion in liquid sealing relation with the flange of the inlet tube and the other diaphragm having an inner portion in liquid sealing relation with the flange of the outlet tube; a spring between the flanged inlet tube and one of the sleeves normally biasing the flange of said inlet tube toward said plate; a second spring between the flanged outlet tube and the other of said sleeves normally biasing the flange of said outlet tube toward said plate; a first and normally open switch carried by the end plate on the inlet side; a second and normally closed switch carried by the end plate on the outlet side and being in series with the first switch; means fixed to said inlet tube and moved with the tube by fluid pressure built up between the orifice plate and diaphragm on the inlet side when fluid flows therein to close the normally open switch; and means fixed to the outlet tube and movable by said tube for opening the normally closed switch should pressure build up between the orifice plate and diaphragm on the outlet side.

2,258,836
CATHODE HEATER
Ernst Willner, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany, a corporation of Germany
Application June 19, 1940, Serial No. 341,260
In Germany June 29, 1939
5 Claims. (Cl. 250—27.5)



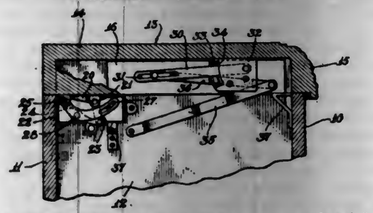
3. An indirectly heated cathode comprising a metal sleeve, a heating element in said sleeve comprising a coil of wire coated with insulating material, means for stiffening the ends of said coil comprising solder material adhesively joining adjacent convolutions of the ends of said coil.

2,258,837
ELECTRICAL TESTING
Theodor Zuschlag, West Englewood, N. J., assignor to Magnetic Analysis Corporation, Long Island City, N. Y., a corporation of New York
Application May 18, 1939, Serial No. 274,309
17 Claims. (Cl. 175—183)



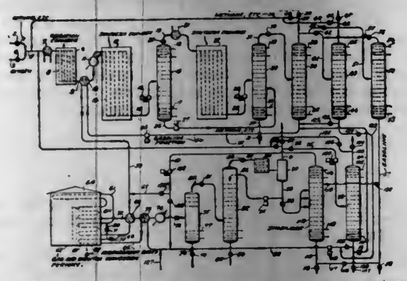
1. In a method for electrically testing a magnetizable body for physical defects which involves inducing in a testing circuit an alternating voltage having an amplitude influenced by said body, the improvement which comprises subjecting said body to a first magnetic field in a manner substantially to periodically saturate said body magnetically, subjecting the thus periodically-saturated body simultaneously to the action of a second magnetic field of different frequency than said first field, and investigating the amplitude of the voltage induced in said testing circuit while said body is subjected to both of said fields.

2,258,838
CHEST STRUCTURE
Gedor W. Aldeen, Rockford, Ill., assignor to American Cabinet Hardware Corp., Rockford, Ill., a corporation of Illinois
Application October 12, 1938, Serial No. 234,533
4 Claims. (Cl. 206—10)



1. A tray support and operator for a chest having a hinged lid and a horizontal tray located at the top of the chest when the lid is closed and above the body and extending forwardly from the lid when the lid is opened, said tray support and operator comprising, in combination, a plate secured to the lid and located above the tray when the lid is open, a link pivotally attached at one end to said plate and having a longitudinal slot in its other end, said plate having a slot through which said link extends to limit the swinging movement thereof, an attaching strip secured to the tray and having a pivot at its rear end located in said longitudinal slot, and a second link pivotally secured at one end to the front end of said attaching strip and at its other end to the chest.

2,258,839
MOTOR FUEL PRODUCTION
Harold V. Atwell, White Plains, N. Y., assignor to Process Management Company, Inc., New York, N. Y., a corporation of Delaware
Application October 30, 1937, Serial No. 171,919
4 Claims. (Cl. 196—9)



1. The method for converting the normally liquid and normally gaseous hydrocarbon products of the reaction of carbon monoxide and hydrogen which comprises separating from the said reaction products a fraction predominating in normally liquid constituents and including at most a minor proportion of hydrocarbons boiling above the gasoline boiling range, admixing with said fraction a substantial proportion of normally gaseous hydrocarbons from a source set forth below, subjecting the resulting mixture to elevated conditions of temperature and pressure to effect conversion of normally liquid and normally gaseous constituents thereof to gasoline of high antiknock value, separating from the resulting conversion products gasoline constituents and a normally gaseous fraction predominating in C_3 and C_4 hydrocarbons, controlling the separation of the conversion products to effect inclusion in said normally gaseous fraction of a substantial proportion of the relatively low-boiling normally liquid constituents of the said conversion products and admixing at least a portion of said gaseous fraction with said first-mentioned fraction as described.

2,258,840
BRUSH
Archibald S. Beman, Oakland, Calif., assignor of one-half to Weare C. Little, Piedmont, Calif., and by decree of court one-half to Sallie W. Beman
Application April 15, 1938, Serial No. 202,251
4 Claims. (Cl. 15—135)



1. For use with a collapsible tube having an open neck end threaded exteriorly of said neck, a brush and base support therefor, a conduit carried by said support extending into the base of said brush and having a tapered portion extending exteriorly from said support for insertion into the open neck of said tube, an interior threaded portion in said support and surrounding said conduit portion adjacent said tapered portion and adapted to engage said tube neck as the latter is expanded by being forced onto said tapered portion of said conduit to cut new threads or modify existing threads to seal said neck to said support.

2,258,841
FOUNTAIN PEN
Laszlo Jozsef Biro, Buenos Aires, Argentina, assignor to Luis Lang, Buenos Aires, Argentina
Application April 23, 1941, Serial No. 389,830
19 Claims. (Cl. 120—43)

1. In a fountain pen of the type adapted to be charged with writing material of a pasty consistency, a hollow barrel, a closure removably supported on said barrel at the forward end thereof, said closure having a bore extending

longitudinally therethrough and communicating with the interior of the barrel, the forward portion of said closure having a transversely extending supporting face on all sides of the forward end of said bore, said closure having a hollow nose portion extending forwardly from said supporting face, a ball on said supporting face in line with said bore, the forward edge of the hollow nose portion being curled over to provide a circular edge of smaller diameter than the ball, the said parts being so constructed and arranged that



the ball is rotatably held between said curled edge and supporting face to permit a thin film of ink to be carried by the ball from within to outside the curled edge for writing purposes, said nose portion being formed with an ink receiving cavity laterally around the ball from the supporting face to the curled edge, a removable container for pasty ink in said barrel, a piston in the container, and a piston rod for said piston and removable from the container while the container is being removed from the barrel.

2,258,842
ADJUSTABLE-WIDTH TAIL-GATE SPREADER
Ivan Brockett, Hayward, Calif.
Application January 12, 1940, Serial No. 313,488
5 Claims. (Cl. 221—144)



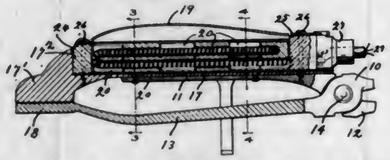
1. In an aggregate distributor having a hopper having a continuous discharge opening extending throughout the width thereof and a gate therefor for controlling the volume of aggregates distributed through said opening, and means related to said gate and associated with said hopper and manually adjustable throughout the length thereof for limiting distribution of aggregate to any selected portion along the width of the discharge opening; said means comprising a gib extending throughout the width of the gate; lip extensions slidably supported on said gib and projecting beyond the lip of said gate and manually releasable coupling means for locking said extensions in abutting series, separation of any two lip extensions providing a passage for aggregates passed by said gate and of a width corresponding to the degree of separation between the extensions.

2,258,843
BLANKING DIE
Arthur H. Brown, Denver, Colo.
Application September 16, 1940, Serial No. 356,911
2 Claims. (Cl. 164—119)



2. A blanking die comprising, a base having an opening forming a female die, a flexible resilient jaw of substantially greater width than thickness having one end autogenously welded to the upper surface of the base, the under surface of the jaw being spaced from the upper surface of the base from its point of attachment thereto to its free end, a male die member immovably attached to the under surface of the free end of the jaw in position to enter the die opening in the base when the jaw is flexed toward the latter, that portion of the jaw between its point of attachment to the base and the adjacent edge of the male die being upwardly concave whereby the cutting edge of the male die will be upwardly inclined with respect to the upper surface of the base when the parts are in normal position and whereby the cutting edges of the dies will approach parallelism as the jaw is flexed in its movement towards the base.

2,258,844
DEVICE FOR STRAIGHTENING HAIR
Walter Brown and Lillian B. Brown, Cleveland Ohio
Application June 22, 1940, Serial No. 341,902
2 Claims. (Cl. 219—24)



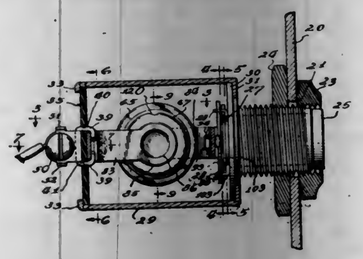
1. A device for straightening hair, comprising a pair of crossed members pivoted together, each member consisting of a handle portion and an arm portion, the arm portion of one member carrying a flat head forming a presser plate, and the arm portion of the other member carrying a large head forming an ironing element, an electric heating unit comprising a plurality of sections, each section having four open channels, the sections being arranged end to end and alternately reversed and together providing a continuous conduit for the resistance wire and resistance wire arranged in said conduit.

2,258,845
CLIP NUT
James P. Burke, Knoxville, Tenn., assignor to Bert L. Quarnstrom and F. L. McLaughlin, both of Detroit, Mich.
Application December 29, 1939, Serial No. 311,626
11 Claims. (Cl. 85—32)



1. A clip nut composed of sheet metal bent into U-shape and having two substantially parallel planar arms adapted to engage opposite sides of a supporting member, one of the arms of the U being longer than the other and both being of substantially the same width, the longer arm having bolt receiving means thereon disposed outwardly from the free end of the shorter arm, said longer arm being adapted to be inserted through an aperture adjacent a bolt hole in a supporting member in such manner that the two arms have flat contact with opposite faces of the supporting member with the portion connecting the two arms extending through the aperture and the bolt receiving means aligned with the hole, and means on one of said arms comprising at least one prong struck therefrom and extending between and generally in the direction of the two arms and adapted to engage one edge of the aperture to hold said connecting portion of the U in pressure contact with an opposed edge of the aperture.

2,258,846
COMBINED OVERTURN AND IGNITION SWITCH
Joseph F. Courtney, Chicago, Ill.
Application February 21, 1941, Serial No. 379,938
17 Claims. (Cl. 200—44)

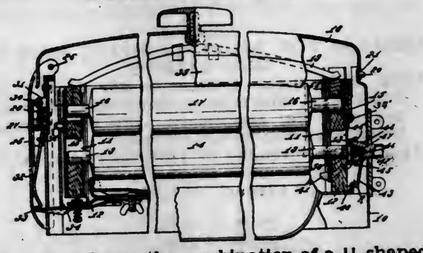


4. In a combined overturn and ignition switch, the combination of a tumbler barrel housing with a tumbler barrel rotatably mounted in said housing and controlled by a key, a switch supporting frame carried by said tumbler barrel housing and extending axially therefrom, and a mercury switch assembly carried by an insulating member and adapted to be brought into actuating position with respect to said tumbler barrel when said insulating member is secured to said frame, said mercury switch assembly comprising an insulating plate, a pair of aligned bearing arms carried by said plate, a mercury switch, and a pair of electrical conductors carried by the terminals of said switch and rotatably mounted on said arms.

2,258,847
METHOD OF PREPARING METAL DITHIOCARBAMATES
Howard I. Cramer, Cuyahoga Falls, Ohio
No Drawing. Application May 20, 1938, Serial No. 209,142
21 Claims. (Cl. 260—429)

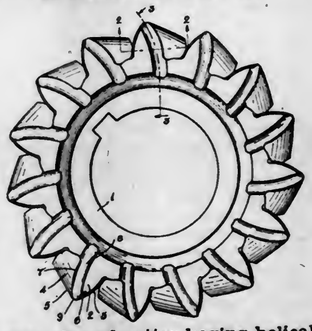
1. The method of preparing metal dithiocarbamates comprising reacting a secondary mixed alkyl aryl-containing amine with carbon disulphide and a metal salt of a weak acid, the metal component thereof being that of the desired dithiocarbamate, said reaction being carried out in a solvent medium in which the reacting constituents and the reaction by-products are soluble, and the desired metal dithiocarbamate insoluble.

2,258,848
ROLL STOP FOR WRINGERS
William O. Duke, Salem, Ohio, assignor to Mullins Manufacturing Corporation, Salem, Ohio, a corporation of New York
Application January 18, 1939, Serial No. 251,453
5 Claims. (Cl. 68—253)



1. In a wringer, the combination of a U-shaped base frame having a vertical bearing-guide at each end, a top bar for bridging between the upper ends of the bearing guides, connecting means anchoring one end of the top bar to the subjacent portion of the base frame and permitting vertical swing of the top bar relative to the base frame, quickly releasable means for anchoring the other end of the top bar to the base frame in depressed bridging position, bearing blocks in the said guides for upper and lower rolls, a lower roll journalled in the lower bearings, a clutch element shiftable axially of the lower roll, clutch means carried by the lower roll and axially mateable with said clutch element, a spring biasing the clutch element to inactive position, a rocker fulcrumed in the base frame with one arm engaging the clutch element in opposition to its spring bias, and a vertically shiftable push bar slidably mounted in the base frame with one end in engagement with the rocker and the other end so positioned as to be separably engaged by the top bar and shifted to move the clutch element through the rocker to clutching engagement with the lower roll only when the top bar is in its lowest bridging position on the main frame.

2,258,849
GEAR CUTTER
Anton Erhardt, Cleveland, Ohio, assignor to The National Tool Company, Cleveland, Ohio, a corporation of Ohio
Application September 27, 1938, Serial No. 231,893
11 Claims. (Cl. 29—103)



1. A gear shaped cutter having helical cutting teeth with a cutting edge formed by the intersection of a side face and a groove in the end face,

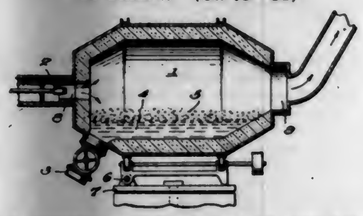
said groove extending from the base to the crown of the tooth and having one edge coinciding with the normal tooth edge along both the side and the crown, the bottom of said groove coinciding with the line of intersection of the crown surface and of the flat end surface of the tooth.

2,258,850

PROCESS FOR DESULPHURIZING IRON OR IRON ALLOYS

Fritz Eulenstein, Cologne-on-the-Rhine, and Adolf Krus, Sturzelberg uber Neuss, Germany, assignors to Sachtleben Aktiengesellschaft, Cologne-on-the-Rhine, Germany

Application November 21, 1939, Serial No. 305,554
In Germany October 29, 1937
12 Claims. (Cl. 75—51)



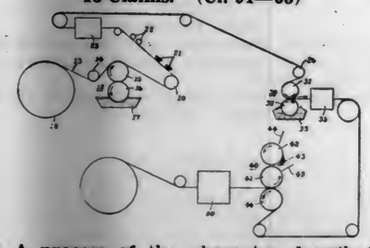
1. A process for desulphurizing iron and iron alloys comprising treating such metal in the molten state in a horizontal rotary furnace with a substantially dry, non-molten material mainly comprising lime and containing a sufficient amount of lime that such material remains substantially dry and non-molten during the entire treatment, and during such treatment heating the metal directly with combustion gases.

2,258,851

MANUFACTURE OF GREASEPROOF MATERIAL

Harry C. Fisher, Cincinnati, and Walter E. Sooy, Middletown, Ohio, assignors to The Gardner-Richardson Company, Middletown, Ohio, a corporation of Ohio

Application August 26, 1939, Serial No. 292,066
13 Claims. (Cl. 91—68)



5. A process of the character described for effecting the application of a greaseproof surfacing film to a sheet of paper having a lower flexible surface coating thereon which comprises applying to said lower surface coating of the sheet a lower coating of film-forming greaseproof cellulose material dissolved in an organic solvent under pressure such as to effect the intimate incorporation and bonding of the formed film to and upon said flexible surface coating, and thereafter preforming an overlying film of greaseproof cellulose material dissolved in an organic solvent by passage of a solution thereof through a nip composed of oppositely rotating rolls, and bringing such preformed film on the roll while still wet with solvent into transferring relation with the sheet to apply said preformed film as an overlying greaseproof coating onto said lower film to be intimately and homogeneously united with said lower film through the action of said solvent and maintained in secure bonded relation with said sheet of paper through the action of said lower film.

2,258,852

DUST GUARD COVER

Harry J. Horn and Fred A. Frederick, Lansing, Mich., assignors to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan

Application March 15, 1940, Serial No. 324,218
2 Claims. (Cl. 286—6)



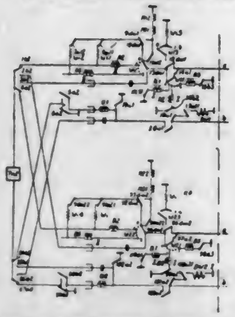
1. In a journal box having a dust guard chamber and an opening therein defined in part by a pair of substantially parallel spaced apart imperforate wall portions, a cover for the opening which comprises a top wall adapted to overlie the opening and a pair of spaced apart resilient legs adapted to be received in the opening between said spaced apart walls, each of said legs having its free end bent back upon itself to form a laterally and rearwardly extending projection which is pressed into biting engagement with the adjacent chamber wall when both legs are inserted in said chamber opening whereby to resist removal of the cover from the journal box the length of the legs being less than the corresponding dimension of said wall portions.

2,258,853

TELEPHONE SYSTEM

Eugen Jauch, Berlin-Siemensstadt, Germany, assignor to Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung, Berlin, Germany, a corporation of Germany

Application July 31, 1939, Serial No. 287,511
In Germany August 8, 1938
9 Claims. (Cl. 179—18)



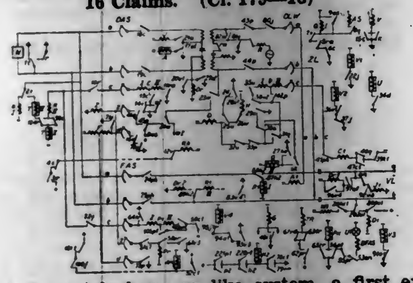
1. In a telephone system having main and subexchanges with trunk lines connecting the two, subscriber's lines in the sub-exchange normally connected to two of said trunk lines, all battery feed for said lines and connections therefrom supplied from the main exchange over said trunk lines, and switching arrangements in said subexchange operated responsive to a call from a subscriber's line in the sub-exchange to set up a connection over one of said trunk lines, said arrangements controlled by means in the main exchange to determine the trunk line over which the connection will be extended.

2,258,854

AUTOMATIC TELEPHONE SYSTEM

Josef Kuchley, Berlin-Siemensstadt, and Walter Pinell, Falkensee, near Berlin, Germany, assignors to Fides Gesellschaft für die Verwaltung und Verwertung von Gewerblichen Schutzrechten m. b. H., Berlin, Germany

Application December 17, 1938, Serial No. 246,336
In Germany December 23, 1937
16 Claims. (Cl. 179—18)



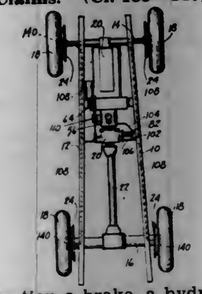
1. In a telephone or like system, a first exchange having one or more trunk lines outgoing to a second exchange, a calling subscriber's line in the first exchange, means local to said first exchange controlled over said calling line at times to extend a connection from said calling line to the line of another subscriber in the same exchange and at other times to extend a temporary connection from said calling line to one of said trunk lines, a calling device at the calling station operated by the subscriber thereat at said other times to control switching apparatus at the second exchange over said temporary connection and said trunk line, and means for releasing said temporary connection before completion of the controlling of said switching apparatus at the second exchange and, at substantially the same time, substituting another connection for said temporary connection, said calling device thereafter controlling the switching apparatus at said second exchange over said other connection and said trunk line.

2,258,855

BRAKE

Ludger E. La Brie, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application April 5, 1934, Serial No. 719,158
21 Claims. (Cl. 188—140)



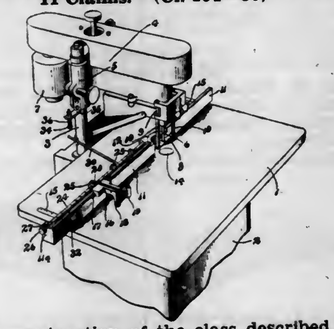
1. In combination a brake, a hydraulic system for applying said brake including a master cylinder, a mechanical servo unit for applying pressure to said master cylinder, a pedal for operating said mechanical servo unit, and an auxiliary cylinder connected to said panel and to said hydraulic system for causing a reaction upon said pedal proportionate to the applying force developed by said mechanical servo unit.

2,258,856

ATTACHMENT FOR PAPER DRILLING MACHINES

James Edgar Lee, Grand Haven, and Freeman Barney, Spring Lake, Mich., assignors to The Challenge Machinery Company, Grand Haven, Mich., a corporation of Michigan

Application November 8, 1939, Serial No. 303,374
11 Claims. (Cl. 164—86)



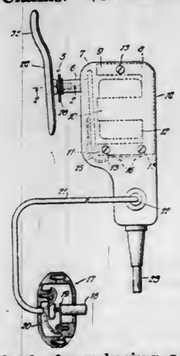
1. A construction of the class described comprising, an elongated stop gauge bar, an end gauge member slidably mounted for movement lengthwise of the stop gauge bar, said end gauge member extending forward from the stop gauge bar substantially at right angles thereto and having a longitudinal slot in its upper side, a lever of less width than the slot pivotally mounted between its ends on the end gauge member and located in said slot, spring means normally elevating the outer end of the lever and depressing the rear end thereof, a second spring means engaging against a side of the lever to normally move the same toward one side of the slot, and stop blocks adjustably mounted on said back gauge member having upper portions in the path of movement of the rear end of the lever whereby when the end gauge member is moved in one direction said lever comes against a stop block and is held in a fixed position from which it may be released by elevating the rear end of said lever or depressing the front end thereof.

2,258,857

MECHANICAL DISTRACTION METHOD AND DEVICE

George C. McCann, Danville, Ill.

Application January 9, 1939, Serial No. 249,978
3 Claims. (Cl. 128—41)



1. The method of producing a distraction and numbing effect upon a patient as an aid to dental operations and the like, which method comprises

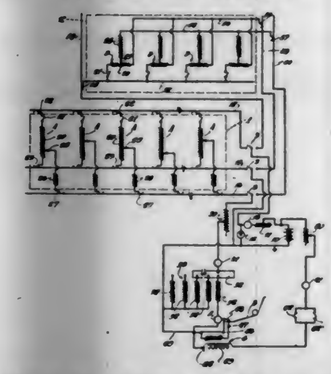
the application during the operation of a vibratory contact element to the skin surface adjacent the ear of the patient and setting up by means of said vibratory element an additional noise extraneous to the noise of the driving of the element and to the vibrations set up in the ear canal by the vibratory effect of the element upon the flesh and bone of the patient and tending to overcome noises incident to the operation.

2,258,858
SHEATHING
Joseph W. Meadowcroft, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 15, 1939, Serial No. 261,967
4 Claims. (Cl. 189—34)



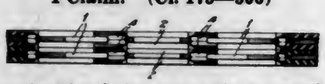
1. A corrugated metal backed skin structure comprising a flexible skin sheet having a plurality of parallel, uniformly spaced, small offset portions, said offset portions dividing the sheet into alternate parallel substantially similar width flat strips, every other parallel strip lying in one plane and the alternate strips lying in another plane closely spaced therefrom, the distance between said planes being of the order of the thickness of said skin sheet, said offset portions having cross sectional dimensions which insure the flexibility of the skin longitudinally thereof and a corrugated metal sheet backing the skin sheet and spot welded thereto, the corrugations of the backing sheet being transverse to said offset portions.

2,258,859
MACHINE FOR ANALYZING CURVES OR GRAPHS
Leon V. Mitelman, Chicago, Ill.
Application August 18, 1939, Serial No. 290,843
19 Claims. (Cl. 235—61)



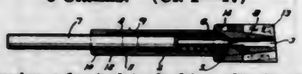
1. Means for analyzing a graph, comprising an analyzer movable over the graph in a direction parallel to the abscissa and including electric circuit controlling means moved by the graph to produce an electric potential which varies in amount as a function of the ordinates of the graph, a recording instrument responsive to said potential, and means for moving a recording tape for said instrument in synchronism with the movement of the analyzer.

2,258,860
CONTACT BANK FOR AUTOMATIC SWITCHES IN TELEPHONE SYSTEMS
Karl Noack, Berlin-Friedenau, Germany, assignor to Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung, Berlin, Germany, a corporation of Germany
Application May 18, 1939, Serial No. 274,373
In Germany May 27, 1938
1 Claim. (Cl. 175—306)



In a contact bank, two supports, a row of spaced apart contact terminals clamped betwen said two supports, each contact having a portion lying under one edge of one of said supports and another portion projecting beyond said one edge, said one support formed from a flat sheet of insulating material and having a plurality of tongues along said one edge, each tongue bent downwardly between two adjacent ones of said contact terminals to substantially close the opening between said two contacts.

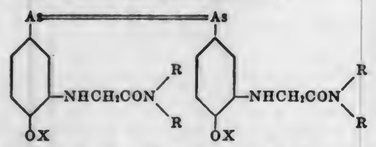
2,258,861
CLIP APPLYING DEVICE
Arthur D. Park and Milton G. Brown, Lancaster, Pa., assignors to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application September 23, 1939, Serial No. 296,170
6 Claims. (Cl. 1—47)



1. A device adapted to hold a clip in predetermined position while it is being secured in a wallboard assembly and to secure such clip in fixed position in the assembly, comprising a hollow body, a portion of said body being adapted to receive a nail, brad or similar fastening means, magnetized clip supporting means placed adjacent the nail receiving portion of said body, a punch adapted to move axially of said body to force a nail through a held clip and into the assembly thereby securing the clip in fixed position in the assembly, and means to retract said punch to its original position.

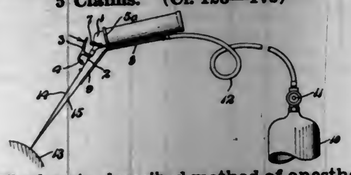
2,258,862
SUBSTITUTED META-N GLYCINYL PARA-HYDROXY ARSENO BENZENES
George W. Raiziss, Le Roy W. Clemence, and Abraham I. Kremens, Philadelphia, Pa., assignors to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois
No Drawing. Original application January 30, 1933, Serial No. 654,240. Divided and this application July 12, 1937, Serial No. 153,200
1 Claim. (Cl. 260—445)

A compound having the formula



where X is a lower alkyl group and R is selected from the group consisting of hydrogen and phenyl groups.

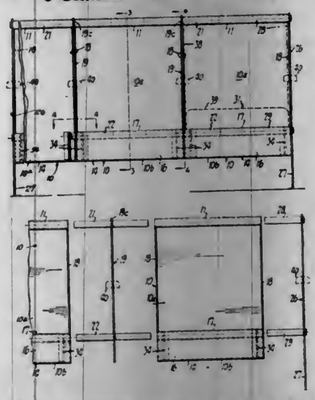
2,258,863
METHOD OF ANESTHETIZING
Earle Wayne Reynolds, Grand Rapids, Mich., assignor of one-half to James A. Rickert, Grand Rapids, Mich.
Application March 27, 1939, Serial No. 264,297
5 Claims. (Cl. 128—173)



1. The herein described method of anesthetization which consists, in projecting a highly volatile liquid in a continuous stream against a selected portion of the surface of tissue to be anesthetized, and simultaneously directing a continuous stream of gas under constant pressure against said surface at substantially the same selected surface portion, so that the two streams will meet at substantially their point of contact on said tissue.

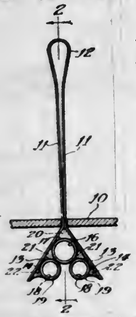
5. In a construction of the class described, a holder for a container of highly volatile liquid, said container having a small diameter outlet beyond an end of the holder, means for closing said outlet adapted to be manually moved to open position, a bendable tube of small diameter connected to said holder and having a free end portion extending beyond the outlet end of the container, and means for selectively controlling the passage of an oxygen carrying gas through said tube, said bendable tube at its free section being capable of change of position so as to bring the path of the liquid projected from the container and of the gas passing from the tube into convergence at a preselected point beyond the outlet ends of said tube and container.

2,258,864
THEATER CHAIR
Charles Rieger, San Francisco, Calif.
Application August 8, 1938, Serial No. 223,569
9 Claims. (Cl. 155—86)



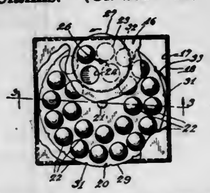
4. In a chair construction, a plurality of separable chair units removably attached together in side-by-side relationship to form a group of chairs, a supporting foot at each end of the group, the space intervening between said feet being substantially unobstructed, and a sectionalized support structure providing a structural beam extending between the ends of said group and serving to support the chair units against downward forces and serving to transmit all such downward forces to said feet, said support structure including portions of said chair units.

2,258,865
THERMORESPONSIVE RESTRAINING DEVICE
William L. Roessner, La Grange, Ill., assignor to Bertha MacGregor Roessner, trustee, also known as Bertha L. MacGregor
Application October 25, 1940, Serial No. 362,722
5 Claims. (Cl. 169—42)



5. A thermo-responsive restraining device comprising a link member having two substantially parallel flexible arms, the ends of the arms being spread apart, a spacer formed from readily fusible solder located between said spread apart ends and connected along only a portion of its side edges to the inner surfaces of said ends, that portion of the spacer nearest the parallel arms of the link being not connected to said spread apart ends and therefore free to pass from its position between said ends when the adhering portion of the spacer has melted under influence of heat, and a plurality of hollow tubular members in the spacer, the tubular members removed from the apex of the spacer being located at opposite sides of the spacer closely adjacent the spread apart ends of the arms in reinforcing relation and heat conveying relation to said ends.

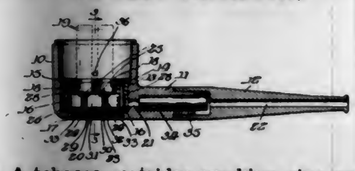
2,258,866
DISPENSING CONTAINER
Roy S. Sanford, Oakville, Conn., assignor to The Autoyre Company, Incorporated, Oakville, Conn., a corporation of Connecticut
Application August 18, 1939, Serial No. 290,721
10 Claims. (Cl. 206—42)



1. In a container for dispensing food or medicinal capsules or like articles, a body section, a cover section therefor, a rotatable plate housed in said sections, said rotatable plate having a plurality of rows of recesses therein arranged in concentric circles of different diameters on the axis thereof, one of said sections being provided with an opening for each of said rows through which an article may be removed from one of

said recesses thereof, and a closure disc normally closing each of said openings of said section and having a single aperture for selectively registering with one of said openings upon movement of said disc to dispense only the article contained in one of said recesses in one of said rows.

2,258,867
SMOKING PIPE
Ralph H. Sherlock, Berwyn, Ill.
Application September 16, 1940, Serial No. 356,926
8 Claims. (Cl. 131—183)



1. A tobacco cartridge smoking pipe comprising a bowl and a stem structure extending therefrom, a transverse wall dividing said bowl into an upper combustion chamber and a lower suction chamber communicating with the stem structure bore, said wall having passageways between the combustion chamber and the suction chamber for receiving tobacco cartridges to be smoked, ejector plungers in said suction chamber normally forming seats for the cartridges, and means operable from outside the bottom of said bowl for shifting said plungers for ejection of the remains of the smoked cartridges from said passages.

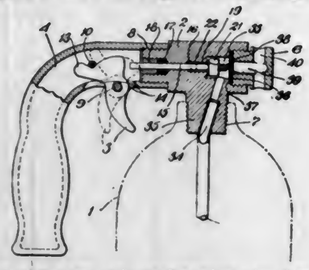
2,258,868
FUSEE AND METHOD OF MAKING SAME
Louie A. Sherman, Florissant, Mo., assignor to Safetee Torpedo Corporation, St. Louis, Mo., a corporation of Missouri
Application February 17, 1938, Serial No. 190,965
16 Claims. (Cl. 102—24)



6. That method of constructing a fusee which comprises providing a cylindrical shell closed at an end, disposing a predetermined quantity of flame-producing combustible material within the shell, endwise compressing said material for forming an outwardly opening recess at the exposed end thereof, disposing the mass of friction-ignitable striker material within the shell at the open end thereof, and pressing an apertured close-fitting disk within the shell upon said mass for compacting the mass within said recess and extruding a portion thereof outwardly through and beyond the disk aperture in the formation of a readily accessible striker-head.

2,258,869
HIGH PRESSURE FLUID MEDIUM CONTAINER AND CONTROL VALVE THEREFOR
Archie Towart, Jr., Caldwell, N. J., assignor to Specialties Development Corporation, Bloomfield, N. J., a corporation of New Jersey
Application March 3, 1938, Serial No. 193,713
8 Claims. (Cl. 221—73.5)

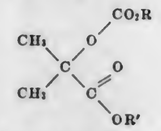
1. In combination, a container adapted to releasably store a fluid medium under pressure, a valve body secured to the container having an inlet passage, a valve chamber, and a discharge passage, safety release means closing said valve chamber and including a fluid medium passage, adapted to release the fluid medium upon its attaining a predetermined unsafe pressure, a seat formed between said discharge passage and valve chamber, a freely floating compressible valve disc in said valve chamber, normally not seated and adapted upon fluid medium being introduced under high pressure through the discharge passage



for the purpose of recharging to be thrown against said safety release means, permitting free entry of the fluid medium into the container, and further adapted upon cessation of the recharging pressure through the discharge passage to be seated and retained upon said seat by means of the pressure of the fluid medium now within the container, means to prevent entry of the compressible valve disc in the fluid medium passage of the safety release means, and means to unseat said valve disc normally out of contact therewith.

2,258,870
PHENOLIC ESTERS OF CARBONIC DERIVATIVES OF ALPHA-HYDROXYISOBUTYRIC ACID
Jack T. Thurston, Cos Cob, and Donald W. Kaiser, Springdale, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application November 6, 1940, Serial No. 364,556
10 Claims. (Cl. 260—463)

1. Compounds having the following general formula:

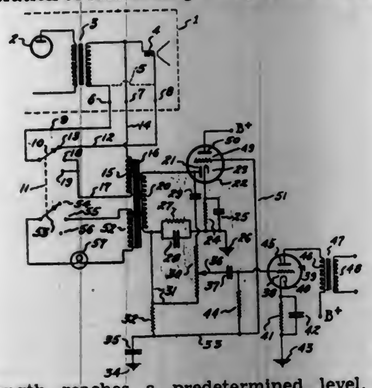


in which R is a member of the group consisting of alkyl, aralkyl, carbocyclic, and heterocyclic radicals and R′ is an aryl radical.

2,258,871
AUTOMATIC VOLUME CONTROL MEANS FOR FACSIMILE SYSTEMS
Frank L. Wedig, Jr., Cincinnati, Ohio, assignor to The Crosley Corporation, Cincinnati, Ohio, a corporation of Ohio
Application October 26, 1938, Serial No. 237,107
10 Claims. (Cl. 178—6.6)

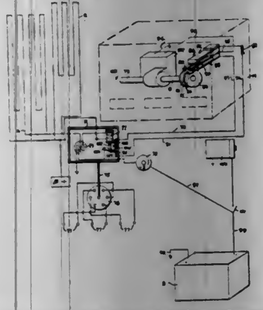
1. In a facsimile system employing recurring synchronizing impulses, receiving means including amplifying means, means for generating from a received signal a direct current automatic volume control biasing voltage, means for applying said voltage to said amplifying means, and time

delay means in connection with said generating means to prevent the biasing voltage so generated from diminishing substantially between said synchronizing impulses, and means in connection with said generating means for preventing the generation of said biasing voltage until the signal



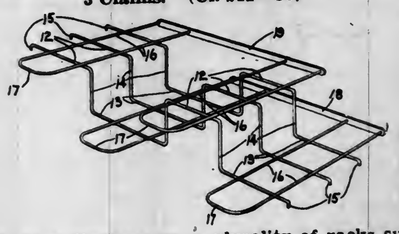
strength reaches a predetermined level, said means for generating the said biasing voltage being a diode rectifier, and said means for preventing the generation of said voltage comprising thermionic means for biasing said diode with a voltage which must be overcome by the signal voltage.

2,258,872
START AND STOP MECHANISM
Joseph Weisinger, New York, N. Y.
Application August 27, 1938, Serial No. 227,069
3 Claims. (Cl. 235—30)



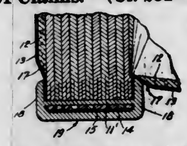
1. A device of the character described comprising in combination with a flagless taximeter mounted on a vehicle, a taximeter shaft having predetermined positions in which the taximeter is made operative and inoperative respectively, an electric motor driving said taximeter shaft, controlling means adapted for controlling said motor for alternately positioning said taximeter shaft to said operative and inoperative positions of said taximeter, said controlling means including an electric switch having two positions the first of which closing a first circuit for starting said motor to turn said shaft from an inoperative position of said taximeter to an operative position thereof, the second position of said switch closing a second circuit for starting said motor to turn said shaft from an operative position of said taximeter to an inoperative position thereof, switch operating means effective for causing said switch to move from said second position to said first position, and means for causing return of said switch from its first position to its second position when said operating means become ineffective, said switch operating means being effective when and as long as a passenger is within said vehicle, and including a device adapted to be actuated by body capacity.

2,258,873
HAT DISPLAY CASE
Paul G. Williams, Grand Rapids, Mich., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich., a corporation of Michigan
Application October 18, 1939, Serial No. 299,947
3 Claims. (Cl. 211—30)



2. In a display case, a plurality of racks supported one over the other, each of said racks including a plurality of elongated spaced apart rods each having elevated and depressed portions therein in horizontal alinement, a plurality of rods extending transversely of each of said portions to thereby provide article displaying supports, a bar connecting the ends of the rods extending transversely of the elevated portions, and a bar connecting the ends of the rods extending transversely of the depressed portions, to strengthen the rack.

2,258,874
BOOKBINDING
Robert Alonzo Williams, Chicago, Ill.
Application November 16, 1937, Serial No. 174,871
21 Claims. (Cl. 281—26)



1. A book including leaves having a substantially rigid backbone of mouldable material cast onto the binding margin thereof, said backbone having integral portions each interlocked in cut-out portions formed in the binding margin of said leaves.

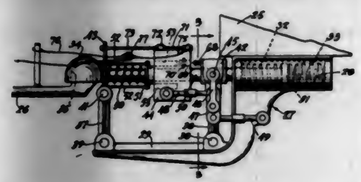
2,258,875
METHOD OF MAKING REFLECTORS
George Arras, Chicago, Ill.
Application March 7, 1938, Serial No. 194,262
8 Claims. (Cl. 113—116)



1. The method of making shades and reflectors which consists in forming a metal sheet with a central permanently rounded portion having a connected flat ring and an outwardly flaring rim,

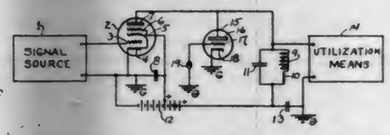
in pressing opposite sides of the rim toward each other, and in distorting the ring without distorting the central rounded portion to which it is connected.

2,258,876
TRAILER BRAKE AND THE LIKE
Thomas A. Banning, Jr., Chicago, Ill., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application June 21, 1939, Serial No. 280,236
15 Claims. (Cl. 188—142)



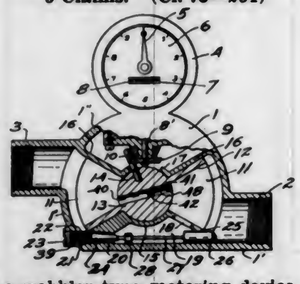
1. The combination with a tractor unit having power drive and braking mechanisms and a trailer unit having braking mechanisms thereon including a source of fluid pressure supply on said trailer unit for said trailer braking mechanisms, of means to automatically control actuation of said trailer braking mechanisms by the power of said fluid pressure supply and according to running and accelerating and decelerating conditions of said tractor unit, said means comprising a draw bar on the trailer unit, a connection between said draw bar and the trailer unit permitting longitudinal movement of the draw bar with respect to the trailer unit, spring means tending to centralize the draw bar in such longitudinal movement, a control valve carrried by the draw bar, a momentum body carried by the draw bar and longitudinally movable with respect thereto, spring means to resist advancing movements of the momentum body on the draw bar, differential connections between the control valve, momentum body, and trailer unit whereby movements of the draw bar with respect to the trailer unit tend to cause valve movements in corresponding directions, and whereby movements of the momentum body with respect to the draw bar tend to cause valve movements corresponding thereto, a fluid pressure connection to the valve, a fluid release connection from the valve, and a connection from the valve to the braking mechanism of the trailer unit.

2,258,877
ELECTRICAL CIRCUIT DAMPING
Alfred W. Barber, Flushing, N. Y.
Application January 26, 1939, Serial No. 252,901
6 Claims. (Cl. 250—20)



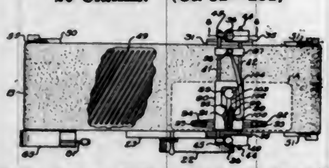
1. In an electrical signal amplifier, a vacuum tube loaded with a circuit having less than critical damping and an additional vacuum tube for at least critically damping said circuit periodically at a rate of change high compared to the rate of change of said signals.

2,258,878
FLUID METERING DEVICE
Carlos J. Bassler, Alhambra, Calif., assignor, by mesne assignments, to Bank of America National Trust and Savings Association
Application February 20, 1939, Serial No. 257,378
5 Claims. (Cl. 73—254)



1. In a wabbler type metering device having a casing and divided into a plurality of chambers, one of the chambers having connection with an inlet pipe and another of the chambers having connection with an outlet pipe, means intermediate said chambers to be set in motion by fluid flowing between the inlet and outlet pipes, there being a plurality of passages connecting said chambers, one of the passages having a thermostatic element and valve means for compensating for fluid volumetric differences due to temperature changes of the fluid, and another passage having a check valve means to compensate for large pressure differences due to changes in fluid pressure drops across the device, said latter two means being exposed to the fluid passing through the device from the inlet pipe to the outlet pipe so as to be operative at substantially the same periods of time.

2,258,879
SURFACING MACHINE
John Y. Blazek, Bedford, and Vernon R. Roy and Gilbert E. Sears, Cleveland, Ohio, assignors to Lempco Products, Inc., Bedford, Ohio, a corporation of Ohio
Application November 4, 1939, Serial No. 302,906
20 Claims. (Cl. 51—151)

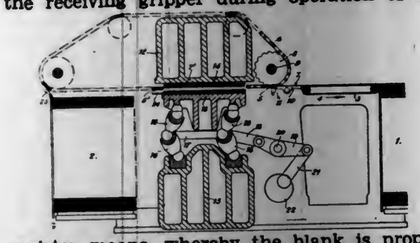


13. In a device of the character described, the combination of a stationary plate, an abrasive bearing strip on one side of said plate, a slideway on the other side of said plate and means engaging said slideway for reciprocating an article on said abrasive strip.

2,258,880
PLATEN PRESS FOR WORKING CARDBOARD BLANKS
Henri Bobst, Prilly, near Lausanne, Switzerland
Application January 22, 1941, Serial No. 375,398
In Switzerland February 27, 1939
4 Claims. (Cl. 164—87)

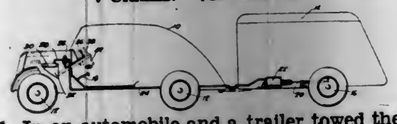
1. In a press having devices for working blanks, a pair of chains, bars attached to said chains and grippers associated with said bars, means to register one of said bars when a blank is being received and means to register another bar when a blank is being worked, said means being operated

simultaneously, a gauge adapted to arrest a blank adjacent the receiving gripper and means to close the receiving gripper during operation of said



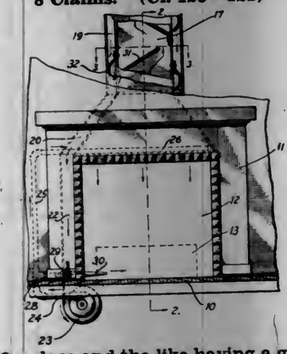
register means, whereby the blank is properly located with respect to the gripper and the gripper is subsequently located relative to said devices.

2,258,881
BRAKE
Jesse B. Brown, Detroit, Mich., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application May 20, 1938, Serial No. 209,004
7 Claims. (Cl. 188—3)



1. In an automobile and a trailer towed thereby, a braking system comprising brakes on the trailer, a power cylinder on the trailer operatively connected to the trailer brakes, a control valve on the automobile for controlling the power cylinder, means on the automobile for actuating the control valve positioned remotely therefrom, and a Bowden cable and conduit connecting the control valve and the valve actuating means, said automobile having brakes and means for actuating them, and said control valve actuating means including separable members connected in the automobile brake actuating means to be separated by actuation thereof and having the Bowden conduit connected to one of said members and having a lever pivoted on one of said members and engageable with the other and connected to the Bowden cable.

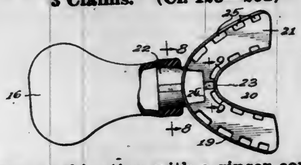
2,258,882
FIREPLACE CONSTRUCTION
Charles V. Craig, Boise, Idaho
Application July 15, 1939, Serial No. 284,768
8 Claims. (Cl. 126—121)



1. A fireplace and the like having a grate open-

ing therein, a flue in communication therewith, and power means for positively projecting jets of air downwardly and across the grate opening to form an air curtain, which is interposed between the air in the room and the combustion area of the grate.

2,258,883
RINSER FOR TEETH AND GUMS
Edward P. Cressler, Newton, Kans.
Application February 21, 1938, Serial No. 191,711
3 Claims. (Cl. 128—231)



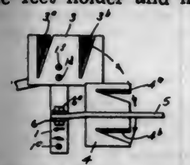
1. The combination with a rinser comprising a plate contoured to fit within the mouth and adapted to lie horizontally between the mandibular and maxillary teeth at the center and on both sides of the mouth and having a wall rising above, and depending from, the plate along its lingual margin and a tubular stem extending forwardly from the plate and adapted to discharge liquid both above and below and both to the right and left, the stem being adapted to pass out between the lips and be sealed thereby—of a non-elastically collapsing packaging cartridge having a corkable neck, the neck being fitted over the end of the tubular stem to mount the cartridge on the rinser, whereby the cartridge, when filled and distended by liquid, may be collapsed to force the liquid inwardly through the stem to the rinser within the mouth.

3. A rinser for teeth and gums comprising a structure to be placed within the mouth comprising a partition-like horizontal plate of arcuate jaw-shaped contour adapted to be received between the mandibular teeth and the maxillary teeth, a wall extending above and below the plate along its lingual edge and adapted to lie lingually of the teeth, the outer edge of the plate being contoured to extend into substantially sealing proximity to the cheeks and lips, the rinser also comprising a tubular structure forming a medially forwardly extending liquid passage, the tubular structure being adapted to pass out between, and be sealed by, the lips, the passage discharging liquid rearwardly both above and below the plane of the plate and against the forward portion of the wall in turn to divide the liquid stream right and left, whereby liquid discharged rearwardly through the passage is divided four ways, namely, both right and left and both above and below the plane of the plate, the outer end of the tubular structure being conformed to receive the discharge end of a bulb, the structure of the rinser being of relatively rigid material, but with a medial section of relatively flexible material inserted between its right and left halves to permit the rear ends to swing together and spread apart to fit different shapes of jaws.

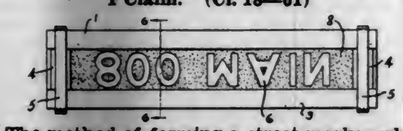
2,258,884
POULTRY TENDON PULLER
Benjamin J. Duffy, Sr., Burbank, Calif.
Application August 25, 1939, Serial No. 291,880
2 Claims. (Cl. 17—11.3)

2. A poultry tendon puller comprising a feet holder having a pair of substantially V-shaped spaced grooves angularly disposed in cross section relative to said feet holder, a leg holder

having similar arranged and shaped grooves arranged to be positioned in alignment with the grooves of the feet holder and means for separating said holders by an outward movement relative to one another, or a lateral movement relative to one another whereby tendons may be pulled and the feet completely severed by either an outward or lateral movement only, or a combination of both.

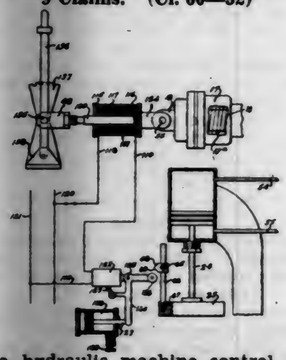


2,258,885
METHOD OF MAKING MARKERS
Holmes Duke, Beaumont, Tex.
Application July 3, 1939, Serial No. 282,638
1 Claim. (Cl. 18—61)



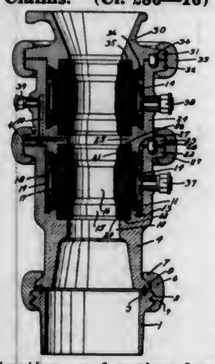
The method of forming a street marker which comprises adhering designating characters to a flexible false mold bottom with the surfaces of said characters adjacent the bottom in sealed relationship throughout with said bottom, locating said bottom in a mold, filling the mold with concretious material in plastic state to a depth approximately equal to the thickness of the characters, vibrating the mold to cause said material to pack, filling the mold with additional concretious material, allowing all of said material to set to form a block with said characters permanently set therein, removing one side and the ends of the mold and turning the block to a position to expose said bottom, then stripping the bottom from said block to expose said characters.

2,258,886
MECHANISM FOR VARYING THE SPEED OF HYDRAULIC PRESS RAMS
Walter Ernst, Mount Gilead, Ohio, assignor to The Hydraulic Development Corp. Inc., Wilmington, Del., a corporation of Delaware
Application July 21, 1938, Serial No. 220,554
9 Claims. (Cl. 60—52)



1. In a hydraulic machine control circuit, a pump, a hydraulic ram, means for causing said pump to move said ram, said means comprising a fluid flow-controlling member for controlling the fluid flow from said pump and an operated device for initiating a movement of said flow-controlling member to a predetermined position and for holding said member in that position, electric means associated with said device and adapted when energized to cause movement of said flow-controlling member in one direction in response to the operation of said device, means responsive to a predetermined travel of said ram for effecting de-energization of said electric means, and means responsive to the de-energization of said electric means to cause movement of said flow-controlling member in another direction to temporarily slow down the speed of travel of said ram beyond said predetermined travel without changing the direction of travel.

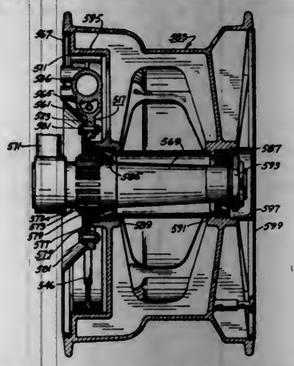
2,258,887
STUFFING BOX
James C. Fortune, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas
Application February 5, 1940, Serial No. 317,270
4 Claims. (Cl. 286—16)



1. In combination, a housing having a zone of enlarged inner diameter adapted to receive a packing, an annular packing within said housing, said housing being formed with opposed annular shoulders at the ends of said zone adapted to provide abutments for the ends of said packing, one of said ends being formed separately from the remainder of the housing, and means for securing said end to the remainder of the housing, said packing having a relatively flexible intermediate zone and relatively rigid end zones adapted to engage said abutments, and having a flexible annular part adapted to form a seal between the parts of said housing, and a spacer ring interposed intermediate the said end zones and adapted to abut upon the said relatively flexible intermediate zone of said packing and the adjacent wall of the said housing.

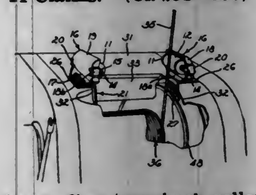
2,258,888
BRAKE
Frederick C. Frank, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Original application June 22, 1934, Serial No. 731,939, now Patent No. 2,208,575, dated July 23, 1940. Divided and this application June 8, 1938, Serial No. 212,447
2 Claims. (Cl. 188—152)

1. In a wheel structure for airplanes, a stub axle formed with splines, an internally grooved sleeve complementing said splines and secured to said axle thereby, a brake including stator



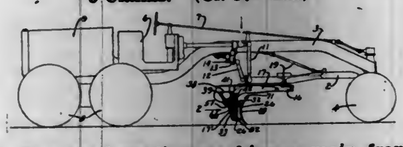
members and rotor members, a supporting spider for the stator members of said brake, and means for securing said spider to said sleeve.

2,258,889
CABLE SPOOLING DEVICE
Adelbert M. Graham, Beverly Hills, Calif., assignor to Walter G. L. Smith, Los Angeles, Calif.
Application July 31, 1939, Serial No. 287,600
11 Claims. (Cl. 254—190)



1. A cable spooling turn-back roller assembly, comprising: a frame having a plane supporting face formed with at least two parallel slots intersecting said face and adapted to be rigidly secured in a position stationary with respect to the axis of a cable drum, with said face substantially perpendicular to the cable line; a roller; and a bearing support for said roller having a plane face cooperating with said plane supporting face and having clamping means associated with said plane face and cooperating with said slots, said clamping means being arranged on a center line parallel to the axis of said roller.

2,258,890
ROAD GRADER
Carl A. Gustafson, Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application October 7, 1940, Serial No. 360,011
5 Claims. (Cl. 37—156)



1. In a road grading machine, a main frame, a grader blade supporting frame mounted underneath said main frame, said grader blade supporting frame being connected at its front to said main frame and being suspended at its rear from said main frame by spaced lift links, a grader blade structure including a grader blade and spaced rails rigidly secured at the back of said blade and extending longitudinally thereof, bracket means having guideways in which said rails are relatively slidable to enable endwise adjustment of said blade structure with respect to said grader blade supporting frame, means pivotally connecting said bracket means to said grader blade supporting frame to enable adjustment of the pitch of said blade, one of said rails having a plurality of spaced recesses, and a locking pin mounted for axial movement in said bracket means to engage selected of said recesses to lock said blade structure in endwise adjusted position.

2,258,891
SYSTEM OF NOTATION
Charles E. Harrington, New Rochelle, N. Y.
Application February 12, 1937, Serial No. 125,440
4 Claims. (Cl. 283—9)

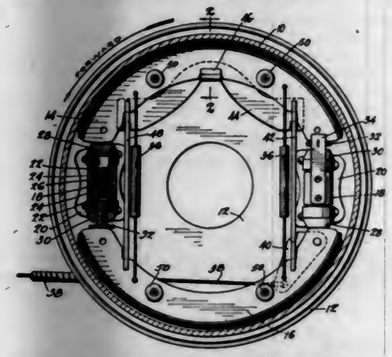


3. An article bearing upon the material thereof a group of aligned identifying marks composed of one or more units of a complete set of distinctive symbols or characters of uniform overall width and height circumscribable by symmetrical outlines of corresponding area, said symbols or characters having predetermined formations and lay-outs differing contrastingly from one another so that when any one symbol or character is superimposed upon any one of the others, the major portions of the superimposed symbols or characters lie out of coincidence with each other to render any obliteration or addition in an attempt to fraudulent alteration more easily detectable by inspection of the material upon which the alteration is made, and said aligned units within said uniform outlines having the contrasted predetermined formations thereof of corresponding area to present a symmetrical appearance, and each being laid out to touch the outlines thereof at a plurality of points in predetermined positions differing contrastingly from the positions of the touching points of all of the other unit symbols or characters, and said aligned units being readily distinguishable from one another by a person having knowledge of the system upon comparison of the contrasted characteristic features of the formation and lay-out of one unit with those of contiguous units so that a fraudulent alteration resulting in a unit deviating from true formation or lay-out may be more readily detected.

2,258,892
ETHERS OF POLYGLYCEROLS
Benjamin R. Harris, Chicago, Ill.
No Drawing. Application August 25, 1938, Serial No. 226,688
8 Claims. (Cl. 260—615)

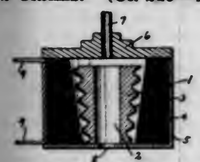
1. Ethers of polyglycerols wherein at least one hydroxyl hydrogen of the polyglycerols is replaced by a lipophile radical of at least six carbon atoms, said ethers having at least one free polyglycerol hydroxy group.

2,258,893
BRAKE
William J. Humphrey, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application November 15, 1939, Serial No. 304,451
4 Claims. (Cl. 188—106)



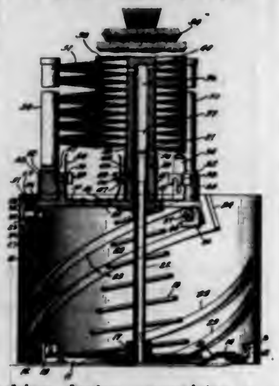
2. A brake comprising a drum, a pair of shoes which are individually shiftable, means for anchoring each of the said shoes at either end in accordance with the direction of drum rotation, fluid actuators between the ends of the shoes at opposite sides of the brake, a balanced applying lever having between its ends means for thrusting against a generally central part of one shoe to apply it to the drum, thrust members extending from the ends of the lever to opposite ends of the other shoe and one of which engages one end of the other shoe, an operating lever pivoted to the other end of said other shoe and to the second one of said thrust members, and applying means acting on said operating lever.

2,258,894
METHOD OF HARD SURFACING METAL BODIES
Nathan Janco, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas
Application May 13, 1940, Serial No. 334,848
2 Claims. (Cl. 219—10)



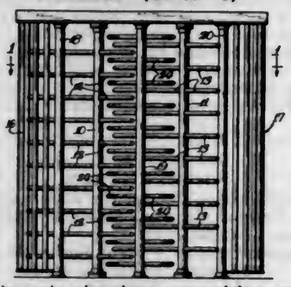
1. A method of embedding particles of tungsten carbide in the surface of a softer metal body comprising coating the outer surface of said body with particles of tungsten carbide carried in a binder having the property of facilitating wetting of the tungsten carbide particles with the metal of said body when fused, passing an electric current through said coated body at a frequency sufficiently high to produce a skin effect, thereby causing the major portion of the current to be concentrated in the outer coated surface of said body, continuing the passage of the high frequency electric current through said body until the surface of the body which has been coated, and substantially that surface only, but not the tungsten carbide, is fused and the fused metal has wetted the solid particles of tungsten carbide to embed said particles in the surface of the body, whereby said fused body metal constitutes the sole anchoring means for said particles and then immediately stopping the flow of current to permit cooling and hardening of the fused surface.

2,258,895
WASHING DEVICE
Bruno K. Jakubowski and Alois J. Wolski, Chicago, Ill.
Application February 26, 1940, Serial No. 320,858
5 Claims. (Cl. 15—76)



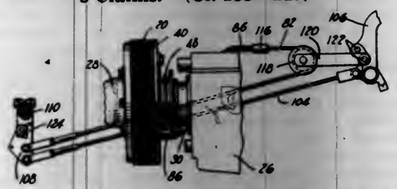
5. A washing device comprising a casing, a stationary shaft positioned within said casing, a carriage slidably mounted upon said shaft for a vertical movement, a brush mounted upon said carriage, a plurality of spiral tracks upon said casing, and guiding members mounted upon said carriage and entering said tracks for imparting a rotary movement to said carriage and to said brush during the vertical movement of said carriage.

2,258,896
TURNSTILE
Rudolph F. Kelker, Jr., Evanston, Ill.
Application May 13, 1939, Serial No. 273,471
3 Claims. (Cl. 39—3)



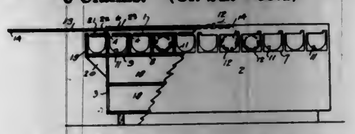
1. A twin gate structure comprising confronting cage segments, a pair of interlapping turnstiles occupying the space therebetween, said turnstiles comprising radiating arms in interjacent planes, and an interposed barrier structure comprising posts in front and rear of the interlapping portions of said turnstiles and superposed barrier bars carried by and extending between said posts in planes interjacent with the planes of revolution of the turnstile arms, said barrier bars and posts forming a barrier structure gradually increasing in width from the posts to the transverse center of the gate structure and substantially occupying the space traversed in common by the two turnstiles, said turnstiles being centered adjacent to the opposite sides of the widest portion of said barrier structure.

2,258,897
MECHANICAL SERVO BRAKE
Ludger E. La Brie, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application July 26, 1935, Serial No. 33,301
8 Claims. (Cl. 188—140)



1. In a mechanical servo power brake, a friction drum rotatable by the wheels of a vehicle, friction means radially movable for engaging said drum, a support for said friction means rotatable in either direction, means to apply said friction means to the drum, a vehicle brake linkage actuated in one direction by rotation of said support means in either direction, and a reaction connection between said applying means and said vehicle brake linkage.

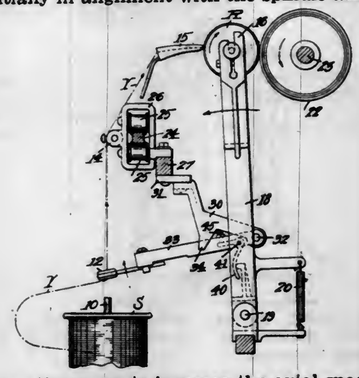
2,258,898
ROLLED MATERIAL CUTTING TABLE
Frederick A. Lang, Tacoma, Wash.
Application May 24, 1941, Serial No. 395,115
6 Claims. (Cl. 242—55.4)



1. In a rolled material cutting table, the combination of a holding cabinet; a compartment therein, extending transversely thereof, adapted to hold a roll of material, and opening through the side of the cabinet; a passage through the top side of the cabinet and leading from said compartment and alined with one side thereof; and a sliding table mounted on said cabinet and above the top side thereof, and adapted to be slid therealong to expose the open end of said passage, whereby a roll of material held in said compartment may be partially unrolled therefrom to pass through said passage and to lie a measured distance upon said sliding table.

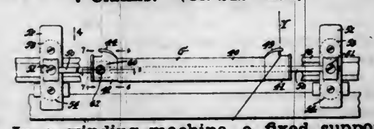
2,258,899
YARN TWISTING AND WINDING APPARATUS
Royal Little, Providence, R. I., and Pacific J. Thomas, Scranton, Pa., assignors, by direct and mesne assignments, to U. S. Textile Machine Company, Scranton, Pa., a corporation of Pennsylvania
Application October 7, 1940, Serial No. 360,058
8 Claims. (Cl. 57—62)

1. Apparatus for twisting and winding yarn comprising a twister spindle rotated at constant speed and on which a supply spool is mounted, a take-up roll on which the twisted yarn is wound, means to drive said roll at constant yarn-surface speed, a yarn guide interposed between said spindle and said take-up roll and positioned substantially in alignment with the spindle axis, and



automatic means to increase the axial spacing of said yarn guide from said spindle and spool in predetermined positive and direct relation to the increase in diameter of the yarn mass on the take-up roll.

2,258,900
YARN AND TAIL GUIDE FOR WINDING MACHINES
Royal Little, Providence, R. I., and Pacific J. Thomas, Scranton, Pa., assignors, by direct and mesne assignments, to U. S. Textile Machine Company, Scranton, Pa., a corporation of Pennsylvania
Application October 7, 1940, Serial No. 360,059
7 Claims. (Cl. 242—157)

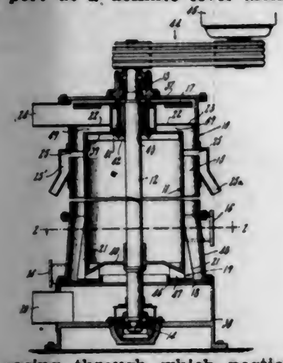


1. In a winding machine, a fixed supporting rod, a one-piece yarn and tail guide loosely mounted on and entirely supported by said rod, said guide having a portion with an axially elongated and substantially cylindrical yarn-guiding surface and having an integral tail-winding hook at each end of said body portion, and said guide being axially and angularly adjustable on said rod, and a single device effective to locate and secure said guide in both axially and angularly adjusted position on said rod.

2,258,901
CLASSIFIER
Henry G. Lykken, Minneapolis, Minn.
Application May 29, 1937, Serial No. 145,496
19 Claims. (Cl. 209—144)

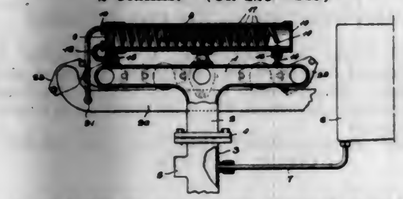
1. A machine for classifying pulverized material containing particles of different sizes, comprising a cylindrical casing, a cylindrical rotor within said casing and concentric with and spaced from said casing to form a classifying chamber therebetween which is narrow as compared to the diameter of said rotor, means for feeding the material and a gaseous medium to the classifying chamber, means for driving said rotor at high speed to maintain a vortex of said material in gaseous suspension, means for causing the suspended material to rise in the classify-

ing chamber during the vortex action, and a tapping port at a definite level along the side



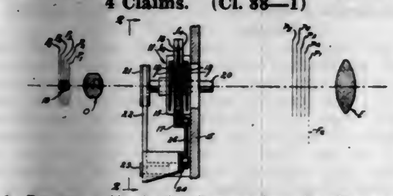
of the casing through which particles of the suspended material of a predetermined size pass from said chamber.

2,258,902
EXHAUST GAS RETURN DEVICE FOR INTERNAL COMBUSTION ENGINES
Joseph Marx and Harry P. Siegler, Cincinnati, Ohio
Application April 27, 1939, Serial No. 270,368
2 Claims. (Cl. 123—119)



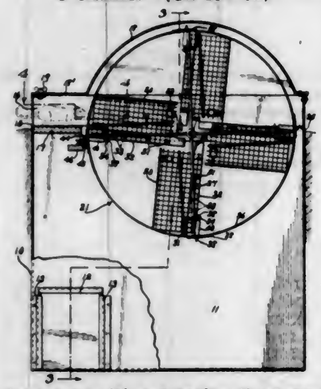
1. In a device for treating portions of the fuel charge in an intake manifold, the combination with an internal combustion engine, an intake manifold, an exhaust manifold, an elongated chamber, conduits connecting the end portions of said chamber with spaced portions of said intake manifold, a conduit connecting the exhaust manifold with one end portion of said chamber, and a spiral tube arranged in said chamber, one end of said tube being connected to and communicating with said exhaust connection, and the other end of said tube terminating adjacent to and coaxial with the adjacent end of an intake conduit connection.

2,258,903
VARIABLE FOCUS SYSTEM FOR OPTICAL INSTRUMENTS
George A. Mitchell, Pasadena, Calif.
Application August 7, 1939, Serial No. 288,798
4 Claims. (Cl. 88—1)



1. In an optical viewing system having an objective lens which views a three-dimensional field and forms a series of optical images, of axially spaced planes in the field, in image planes spaced along the optical axis of the objective lens in proximity to a fixed viewing plane; variable glass path means for moving said optical images along the optical axis into coincidence with said fixed viewing plane without moving the images laterally concomitantly with their axial movements, said variable glass path means comprising exclusively a wedge prism set including three wedge prisms each disposed across the optical axis between the objective lens and the image planes, said set including two spaced exterior wedge prisms arranged with their tapers in the same direction and an intermediate wedge prism between the two exterior prisms arranged with its taper directed oppositely to that of the two exterior prisms, said prism set being symmetric with relation to a central plane through the intermediate prism and normal to the optical axis, the outer faces of the exterior prisms being normal to the optical axis, and the inner faces of the exterior prisms being parallel to the respective opposed faces of the intermediate prism, and means supporting the prisms in the relative positions herein defined, said means including guiding means allowing, and restricting the prisms to, relative movements between the exterior prisms and the intermediate prism in a plane parallel to one of the defined faces of the prisms.

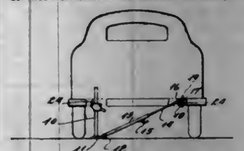
2,258,904
ANIMAL TRAP
John D. Murphy, Chicago, Ill.
Application October 5, 1940, Serial No. 359,818
5 Claims. (Cl. 43—72)



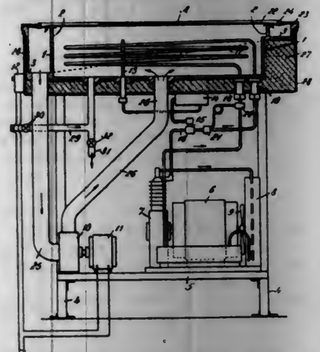
1. A trap comprising a casing the lower part of which provides a chamber for confining trapped animals, wheel means rotary on the upper part of the casing and containing a plurality of cages mounted in succession thereon, an entrance channel on the casing wherewith either of the cages is adapted to register, and trip means including a treadle and latch means on each cage, said latch means being released by the animal on the treadle in the cage, whereupon the wheel means rotates to drop the animal from that cage into the confining chamber, and the latch means on the following cage functions automatically to secure it in its operative position.

2,258,905
ATTACHMENT FOR AUTOMOBILE JACKS
Ernest D. Peterson, Jennings, Kans.
Application November 17, 1939, Serial No. 305,028
11 Claims. (Cl. 254—134)

10. A jack applicable to the bumper of an automobile for lifting the automobile, and a brace connected with a basal portion of the jack to extend in a direction transversely of the automobile and means at the outer end of the brace for fixed connection with a rigid part of the automobile.

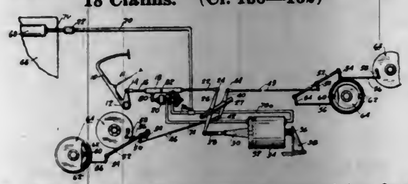


2,258,906
COOLER
Frank T. Powers, Glen Cove, N. Y.
Application September 7, 1940, Serial No. 355,860
7 Claims. (Cl. 62—11)



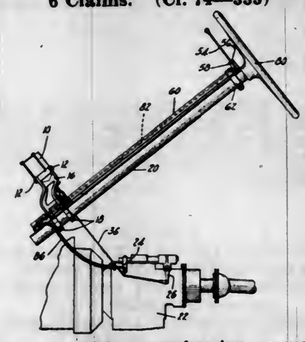
1. The method of cooling heated photomechanical printing plates which includes bringing the back of the heated plate into contact with one surface of a sheet of thin, flexible, liquid-impervious, membranous material, the opposite surface of which is simultaneously in contact with a cooling liquid maintained at a temperature substantially below the temperature to which it is desired to cool the plate.

2,258,907
BRAKE
Earl R. Price, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application April 4, 1938, Serial No. 199,787
18 Claims. (Cl. 188—152)



1. A vacuum braking system comprising brake operating linkage, a vacuum suspended vacuum power cylinder operably connected to said linkage, a brake pedal, a brake rod extending from said pedal and operably connected to said linkage, a valve carrier interposed between separate portions of the brake rod comprising two parts having a limited relative movement, a valve lever pivoted at spaced points on said two parts, and a valve operably engaged by said lever and secured to one of said parts, said valve having a control element actuated by said lever and a pressure responsive element constructed and arranged to react on the said control element to oppose movement thereof toward the brake "on" position.

2,258,908
TRANSMISSION CONTROL
Harold W. Price, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application October 28, 1938, Serial No. 237,458
6 Claims. (Cl. 74—335)

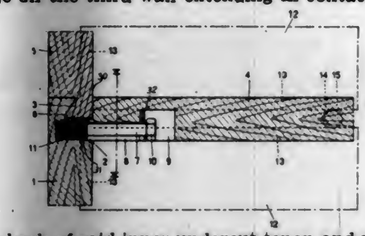


1. A gear shifting mechanism comprising a plurality of shift rails, shift rail selecting means and means operable to move a selected rail to establish different gear relations, manually operated means for operating the shift rail selecting means and power means for actuating the means for moving a selected rail, said power means including a pressure differential operated motor and a two-part valve mechanism for controlling the flow of fluid into and from said motor to control the energization thereof, a manually operated valve operating selector member mounted adjacent the steering wheel of the vehicle, said member being movable in at least two different planes when being operated to control the operation of said valve mechanism and the aforementioned manually operable shift rail selecting means, and force transmitting means interconnecting said selector, two-part valve mechanism and rail moving means and serving, when actuated by the selector and the power element of the motor, to effect different rates of movement of the two parts of the valve mechanism, said force transmitting means including a crank, a valve operating power lever, a manually operated valve operating lever shorter than said valve operating power lever and movable relative thereto when the valve mechanism is being lapped, a pin interconnecting said crank and levers at one end thereof, means pivotally connected to the other end of said valve operating power lever and serving to connect said lever with one of the parts of said two-part valve mechanism, and other means pivotally connected to the other end of said manually operated valve operating lever and serving to connect said lever with the other part of said two-part valve mechanism.

2,258,909
JOINT FOR ARTICLES OF FURNITURE
Max Alexander Reens, Amsterdam, Netherlands
Application January 17, 1940, Serial No. 314,303
In the Netherlands January 27, 1939
4 Claims. (Cl. 20—92)

1. Joint for three walls, two of which extend

in substantial alignment, comprising in combination, an outer undercut tenon on that edge of one of said aligned walls which adjoins the other aligned wall, an inner undercut tenon on the corresponding edge of the other aligned wall, an edge on the third wall extending in contact with



the back of said inner undercut tenon and means for locking said third wall to that one of said aligned walls which carries the outer tenon, and thereby also locking said two tenons in interlocking engagement.

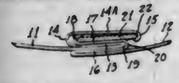
2,258,910
COMPOSITION OF MATTER AND PROCESS FOR PRODUCTION THEREOF
Clarence Simnett, Astoria, Long Island, N. Y., assignor to Rinaldo Solari
No Drawing. Application September 29, 1938, Serial No. 232,454
2 Claims. (Cl. 44—7)

1. A composition of the class described comprising:

	Parts
Kerosene	95
Naphthalene	1
Rosin	1
Methyl alcohol	1
Caustic soda (10%) solution	2

prepared substantially as described.

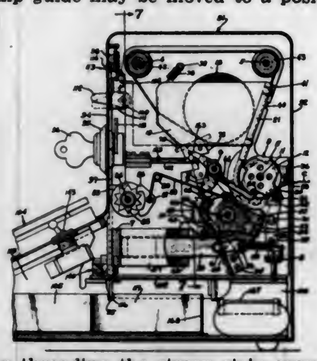
2,258,911
STOVEPIPE
Stan Skoko, Clackamas County, Oreg.
Application January 26, 1940, Serial No. 315,804
2 Claims. (Cl. 138—74)



1. A stove pipe, comprising a cylindrical section split longitudinally thereof, one edge of the split provided with an outwardly and inwardly turned portion having a downwardly hooked portion beyond the split, the opposite edge of the split provided with an outwardly and inwardly turned portion having an upwardly hooked end beyond the split and adapted to intermesh with the first mentioned portion, and a wedge between the hooked ends and adapted to separate the same for drawing the edges of the split together.

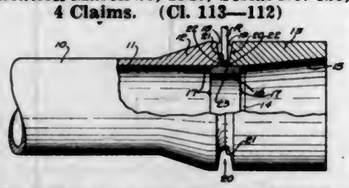
2,258,912
STAMP DISPENSING MACHINE
Herbert Steen and George R. Sutherland, Chicago, Ill.
Application May 23, 1939, Serial No. 275,238
15 Claims. (Cl. 164—42)

1. A stamp dispensing machine comprising a holder for a roll of stamps in strip form, a feed roll, a mechanism for intermittently operating the feed roll, manually operable means for controlling the operation of said mechanism, a stamp guide for holding the stamp strip in feeding engagement with the feed roll, means whereby the stamp guide may be moved to a position to



facilitate threading the stamp strip around the feed roll, when reloading the machine, and a member associated with the stamp guide and adapted to facilitate severing or detaching the dispensed stamp from the stamp strip.

2,258,913
METHOD OF BUTT WELDING
Albert L. Stone, Palos Verdes Estates, Calif., assignor to Hydril Company, Los Angeles, Calif., a corporation of Nevada
Application March 20, 1940, Serial No. 325,014
4 Claims. (Cl. 113—112)

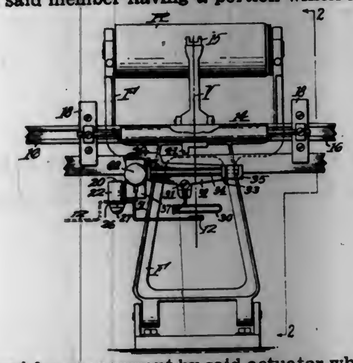


1. The method of forming an internally-flush, butt-weld between a pair of tubular members, that includes arranging said members in axial alinement with their opposed ends having portions, at least longitudinally spaced to form an outwardly opening, annular welding groove, applying a tightly fitting metal ring to the inner peripheral walls of the members and extending from member to member, depositing weld material in the bottom of said groove and causing it to penetrate said ring, filling the groove with weld material to weld-integrate the ends of the two members to one another and to said ring, and cutting said ring with its weld-material-content from the bores of the now weld-integrated members.

2,258,914
STOP MOTION FOR TWISTING AND WINDING MACHINES
Pacific J. Thomas, Scranton, Pa., assignor to U. S. Textile Machine Company, Scranton, Pa., a corporation of Pennsylvania
Application February 12, 1940, Serial No. 318,532
6 Claims. (Cl. 242—37)

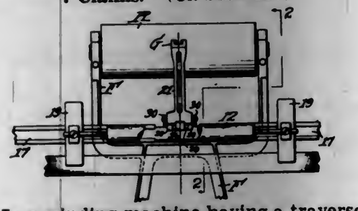
1. In a winding machine of the "up-twister" type, in combination, a take-up roll, a swinging frame on which said roll is pivotally supported, a tension bar having a slidable connection with

said frame, a tension spring connecting said frame and said bar, a latch-pin with which said bar may be manually engaged, a detecting member, a cross rod on which said member is pivoted, and a positively moved actuator for said member, said member having a portion which is posi-



tioned for engagement by said actuator when said member is out of yarn engagement and which is clear of said actuator when said member is engaged by the yarn, and said cross rod overlying the latched portion of said bar and being effective to depress and release said bar when said member is engaged and moved by said actuator.

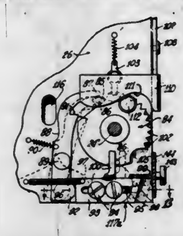
2,258,915
TRAVERSE YARN GUIDE
Pacific J. Thomas, Scranton, Pa., assignor to U. S. Textile Machine Company, Scranton, Pa., a corporation of Pennsylvania
Application February 12, 1940, Serial No. 318,533
7 Claims. (Cl. 242—157)



1. In a winding machine having a traverse rod, in combination, a traverse yarn guide, a bearing bracket secured to said traverse rod and having spaced conical bearing recesses, and a pivot stud on which said yarn guide is mounted and which is provided with conical end portions seated in said spaced conical recesses of said bearing bracket.

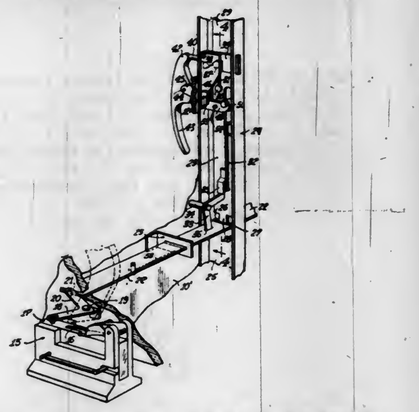
2,258,916
VENDING MACHINE
Walter A. Tratsch and William Patzer, Chicago, Ill.
Application March 3, 1938, Serial No. 193,681
8 Claims. (Cl. 194—93)

7. A coin control including an oscillable member, and a locking member arranged for movement in a direction toward and away from said oscillable member into and out of position for locking engagement therewith, a coin receptacle including a stationary coin engaging member and a moveable coin engaging member, spring means normally urging said locking member in a direction away from the oscillable member and into operative engagement with said movable coin engaging member, spring means normally urging said moveable coin engaging member in a direction toward said stationary coin engaging member to bear against said locking member so as to move the latter into locking position upon



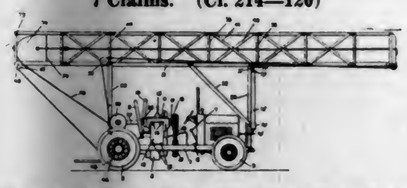
movement of said oscillable member when there is no coin in the receptacle, said coin engaging member being prevented from moving the locking member into locking position as aforesaid by engagement with a coin in the receptacle.

2,258,917
LATCH CONTROL
William Patzer and Walter A. Tratsch, Chicago, Ill.
Application February 19, 1941, Serial No. 379,558
2 Claims. (Cl. 292—1)



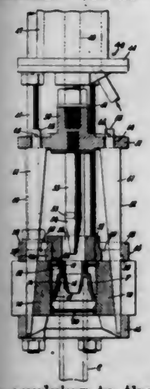
1. In a coin-controlled latch means for a vending machine including a cabinet having a plurality of normally latched doors, in combination, a series of shiftable blocks, spring means normally urging said blocks into an initial position each block having abutting opposite end portions, bolt means slidably arranged in said cabinet for movement transversely of said shiftable blocks and having a plunger portion thereof extending exteriorly of said cabinet, handle means on each of said doors adapted to engage and depress said plunger when the handle is grasped and pulled to open said door, cam means on said bolt means adapted to disengage said door from normally latched condition, and roller means on each of said shiftable blocks and engageable by said cam means when the bolt means is shifted as aforesaid to effect shifting movement of said blocks against the action of said spring means, said last-named movement of an intermediate bolt means blocking like movement of any of the remaining shiftable blocks.

2,258,918
SELF-PROPELLED TILTING HOIST
Harold A. Wagner and Gustave H. Wagner, Portland, Oreg.
Substituted for abandoned application Serial No. 164,154, September 22, 1937. This application May 21, 1940, Serial No. 336,438
7 Claims. (Cl. 214—120)



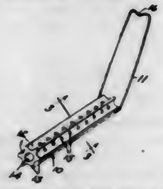
1. In a device of the class described, the combination of a truck, a pair of traction driven wheels and a pair of steering wheels associated with the truck, a standard transmission and a compound transmission associated with the truck and adapted to be driven by the prime mover of the truck, a third transmission superposed upon the compound transmission, driving instrumentalities for driving the third transmission, a winding drum associated with the third transmission and adapted for being driven thereby, and a tower supporting platform superposed the truck and supported by the truck, a plurality of sheave blocks associated with the truck and platform, and a hoisting line trained about the respective sheaves and about the winding drum.

2,258,919
MEANS FOR APPLYING HOSE COUPLINGS
Archibald L. Wallace, Northport, N. Y., assignor, by mesne assignments, of one-half to Archibald L. Wallace, and one-half to Cherryfield Corporation, a corporation of Delaware
Original application July 2, 1937, Serial No. 151,600. Divided and this application February 26, 1938, Serial No. 192,766
4 Claims. (Cl. 29—88.2)



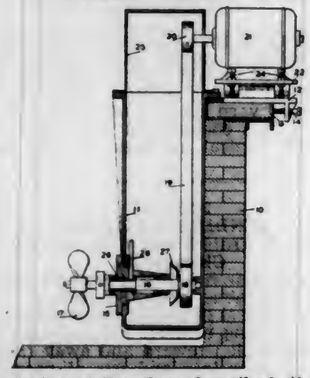
1. Means for applying to the end of a flexible hose a fitting comprising a metallic annular attaching member having double walls splayed divergently to provide an intermediate V-shaped channel wherein may be inserted readily an end of said hose, said means comprising an axially reciprocating plunger having a central forming means including a wedging boss of suitable diameter to enter the axial bore of said member and wedge the inner of said walls outwardly by axial movement of said plunger and a concentric forming-means adapted to pass over the exterior wall of said member, both forming means being of adequate length to engage, and to deform into retentive engagement with the hose end, said attaching walls in opposed clamping disposition and longitudinally reciprocating wedging means for radially moving said concentric means, the last mentioned wedging means and said plunger being secured together against relative movement.

2,258,920
HAIR CURLER
George Yates, Glendale, Calif., assignor to Ross MacFadden, Hollywood, Calif.
Application October 14, 1940, Serial No. 361,018
2 Claims. (Cl. 132—41)



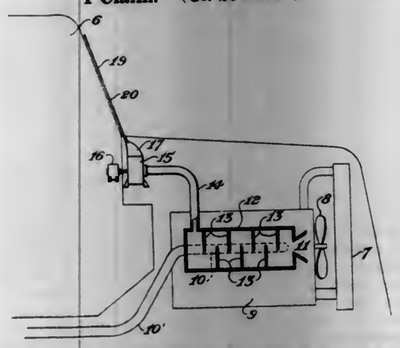
2. In a hair curling device, an elongated body member adapted to receive hair wound thereon, said member having a plurality of concavities in its periphery extending along its entire length, said member having a bore extending through its entire length, and a plurality of openings extending transversely of the length of the body member from the bottom of said concavities to the bore, whereby the edges of said openings are out of contact with hair wound upon the body member and air is free to circulate through the bore and the concavities.

2,258,921
APPARATUS FOR PICKLING METAL ARTICLES
Lafe Young and Milo N. Be Dell, Alton, Ill., assignors to Laclede Steel Company, St. Louis, Mo., a corporation of Missouri
Application January 22, 1940, Serial No. 314,948
1 Claim. (Cl. 266—7)



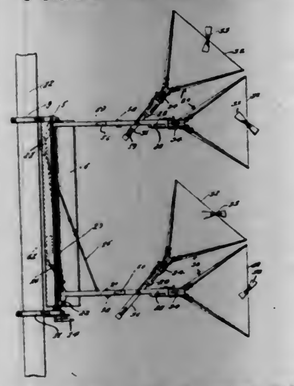
In a device of the class described, the combination with a pickling tank, of a caisson adjacent one end of the tank, an approximately horizontal propeller shaft extending through the wall of said caisson, a propeller on said shaft in the tank, driving means for the shaft, said means including a driving belt extending upwardly through the caisson, and a rotary deflector on the shaft adjacent the belt to protect the latter from fluid entering the caisson around the shaft.

2,258,922
MOTOR VEHICLE ACCESSORY
Ray L. Albee, Midland, Mich.
Application April 4, 1939, Serial No. 265,980
1 Claim. (Cl. 20—40.5)



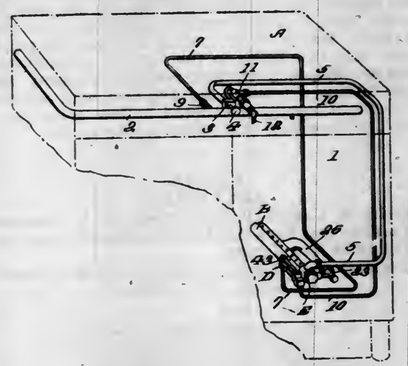
An air distributor head for discharging heated air upon the external surface of both panes of the rearwardly sloping V-type windshield of a motor vehicle, said distributor having a base near the base of the windshield and a relatively narrower apex substantially above the base, the central axis of the distributor lying along the junction of the two said panes, and, extending between said base and said apex on each side of said distributor, a thin slit so disposed with respect to the pane as to direct heated air, which is expelled therethrough, solely in a thin film-like stream over substantial portions of and contiguous to the respective panes of the said windshield.

2,258,923
TRAIN ORDER CRANE
Hurley L. Brown and Woneta M. Brown, Van Buren, Ind.
Application September 18, 1940, Serial No. 357,308
5 Claims. (Cl. 258—2)



1. In a train order crane, a casing, means for supporting said casing, main arms carried by the casing for movement into and out of said casing, said arms normally projecting horizontally from the casing, auxiliary arms pivoted on said first-mentioned arms to assume a position parallel with the first-named arms by gravitation and a position angularly to said first-mentioned arms by manual operation thereof, train order holders removably secured on said arms and each including a removable order carrying element, trip devices on said first-mentioned arms to releasably secure the auxiliary arms in the second-named position, and means for connecting the order carrying elements of the order holders of the first-mentioned arms to said trip devices for actuating the latter on the removal of said last named order carrying elements from the respective holders therefor.

2,258,924
AUTOMATIC FUEL CONTROL
Isaac V. Brumbaugh, Lester S. Kauffman, and Harold C. Reinhart, St. Louis, Mo., assignors to American Stove Company, St. Louis, Mo., a corporation of New Jersey
Application November 18, 1939, Serial No. 305,199
7 Claims. (Cl. 158—115)



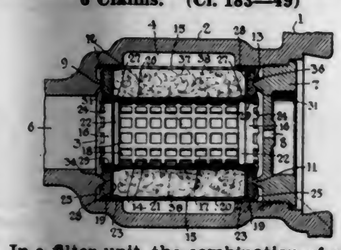
1. In a gas range the combination of a combustion chamber having a main burner, a fuel manifold connected with said main burner, a combined safety and controlling gas valve housing, a combined safety and main gas controlling valve in said housing, a thermal member located inside of said chamber and operatively connected with said valve, a fuel conduit outside of said chamber and connected with said housing and having a manually operated valve outside of said chamber for controlling the flow of fuel to said valve housing, a pilot light within said chamber and located under said thermal member for slightly expanding said thermal member when burning to partially open said combined main gas controlling and safety valve, and a booster burner located wholly within said chamber and under said thermal member within said chamber to quickly furnish additional expanding heat directly thereto to cause said main controlling valve to fully open and feed a full supply of gas to said main burner for the purpose described, and a fuel conduit connecting said pilot burner with said manifold extending outside of and independent of said combined safety and main gas control valve housing, the last said conduit having a manual control for said fuel conduit located outside of said chamber, said parts operating as and for the purpose described.

2,258,925
COMBINATION KNITTING NEEDLE AND RULE
Jean M. Burg, Philadelphia, Pa.
Application May 16, 1941, Serial No. 393,849
1 Claim. (Cl. 66—117)



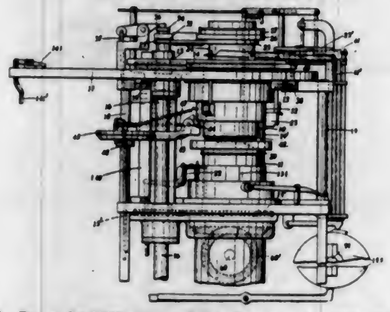
In combination with a knitting needle, a rule and means for securing the rule to the knitting needle, said knitting needle consisting of a body having a side portion thereof reduced longitudinally, said rule being in the form of an elongated element disposed in the reduced portion, said body having a reduced pointed end, said elongated element having a tapered hollow point structure for receiving the point of the needle.

2,258,926
AIR FILTER
Charles A. Campbell, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application January 12, 1939, Serial No. 250,662
6 Claims. (Cl. 183—49)



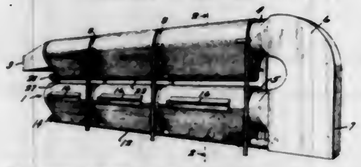
1. In a filter unit, the combination of a foraminous tubular body member; a foraminous tubular core member arranged within said body member in spaced relation thereto, said body member being provided with an internal projection spaced inwardly of one end of the unit and said core member being formed with an annular external rib also spaced inwardly of said end of the unit; a porous fabric sleeve on the core member covering the openings therein; a rigid annular thrust member arranged between the body and core members with its outer rim bearing on said projection on the body member and the sleeve tightly clamped between the inner rim of the thrust member and the rib on the core member; an annular washer between the body and core members and engaging the outer face of the thrust member; and bent-over lugs on the adjoining ends of the body and core members for clamping said parts in assembled and sealed relation.

2,258,927
KNITTING MACHINE
Albert Victor Clarke, Leicester, England
Application November 22, 1937, Serial No. 175,943
In Great Britain November 23, 1936
17 Claims. (Cl. 66—14)



1. In a knitting machine having a needle bed and needles therein, relatively movable cams for actuating said needles, an instrument bed provided with instruments arranged for cooperation with the needles, relatively movable means for operating said instruments, and driving means for effecting relative movement between the needle bed and its cams and between the instrument bed and the instrument-moving means, wherein the instrument bed is displaceable into and out of operative association with the needle bed under power applied through said driving means, means for placing a restraint upon the relative movement between said instrument bed and the instrument-moving means, for effecting said displacement.

2,258,928
APPARATUS FOR CLEANING COTTON
James Franklin Graham, West Memphis, Ark.
Application December 13, 1938, Serial No. 245,492
7 Claims. (Cl. 19—72)



1. An apparatus for removing foreign substances from cotton fibers after said fibers have left the gin comprising a lower flue provided with longitudinal corrugations, an upper flue having transversely extending corrugations, an elbow joining said lower and upper flues, means to admit the cotton fibers and air from the gin into the lower flue so that they travel in a transverse direction to said corrugations whereby the foreign substances will be removed from the cotton, apertures in said corrugations through which the foreign substances are discharged, a conveyor positioned beneath the flue onto which the foreign substances are deposited, said elbow being adapted to change the movement of the cotton fibers and air currents leaving the lower flue so that the movement of the fibers and air currents will be in a direction transverse to the corrugations in the upper flue whereby the foreign substances still remaining in the cotton fibers will fall through apertures in the corrugations of the upper flue, a conveyor located beneath said upper flue onto which the foreign substances are deposited and means to convey the foreign substances deposited onto the upper conveyor to the conveyor associated with said lower flue.

2,258,929
EAR PROTECTOR
Addie B. Graves, Redding, Calif.
Application January 29, 1940, Serial No. 316,264
8 Claims. (Cl. 132—45)

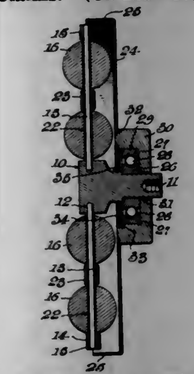


1. An ear protector, comprising a shell formed of a heat insulating material, of essentially permanent character, and a liner of essentially ephemeral or temporary character removably fitted in and spaced from the inner surface of the shell.

2,258,930
METAL DRAWING PROCESS
Rudolf Haefner, Frankfort-on-the-Main-Romerstadt, and Max Schunck, Oberursel, near Frankfort-on-the-Main, Germany
No Drawing. Application January 21, 1939, Serial No. 252,208. In Germany January 25, 1938
2 Claims. (Cl. 205—21)

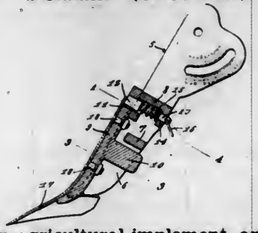
1. The process which comprises applying to metal to be drawn a coating composition comprising a solution of a non-sulphurized bitumen of 20° to 100° Celsius softening point in about an equal weight of a volatile solvent for the bitumen, and after evaporation of volatile solvent from the said applied composition, subjecting the so treated metal to a drawing operation.

2,258,931
MASSAGING AND INVIGORATING DEVICE
Francis C. Heer and Louis Liebl, Sr., Lindenhurst, N. Y.
Application May 28, 1940, Serial No. 337,728
3 Claims. (Cl. 128—57)



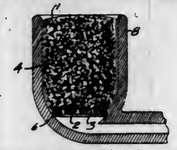
2. A device of the class described having an exposed mounting member of cup shape, a relatively short rotatable hub having an end portion journaled centrally of the mounting member and adapted at said end portion for attachment to a driving means mounted independently of the device, an anti-friction bearing means located within said mounting member and consisting of inseparable race members rigid respectively with the mounting member and hub, one of the race members being of greater diameter than and enclosing the other race member, rods mounted by the hub and radiating therefrom at the end portion thereof opposite to said mounting member, and skin-contacting elements journaled on said rods.

2,258,932
AGRICULTURAL IMPLEMENT
James W. Jacobs, Lorenzo, Tex.
Application February 5, 1940, Serial No. 317,412
2 Claims. (Cl. 97—198)



1. In an agricultural implement, an implement carrying shoe having an elongated body provided with a latch slot, a projection extending rearwardly from the shoe body having oppositely directed flanges at the outer end, a foot member including a pair of longitudinally extending sections connected at intermediate portions by transverse bridge forming webs, the lower parts of the said foot sections having an increasing taper from the lower end to tightly engage the projection on the shoe section and the flanges thereon when the said shoe projection is slid into fully assembled position, a transversely slidable latch mounted on one of the bridge webs, and spring means on the said latch adapted to yieldingly force one end of the latch into the shoe slot to releasingly lock the shoe on the foot.

2,258,933
TOBACCO PIPE BOWL FILLER
David P. Knob, Long Beach, N. Y.
Application September 25, 1940, Serial No. 358,189
5 Claims. (Cl. 131—3)

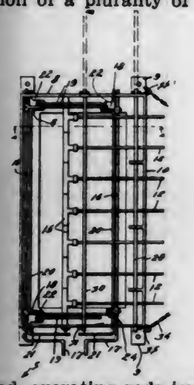


1. A smoking-pipe cartridge comprising a container in the form of a flexible, inverted sack, a ventilating disk in the lower end portion of the sack, a binder circumscribing the lower end portion of the sack and holding it on the disk, and smoking-material in the sack.

2,258,934
OIL WELL RACK DEVICE
Robert O. Laird, Cement, Okla., and Needum W. Friddle, Kellerville, Tex.
Application November 7, 1940, Serial No. 364,736
5 Claims. (Cl. 211—60)

2. In a well derrick rack, a frame, a shaft mounted on said frame for sliding movement

toward and from one side of the frame, fingers carried by said shaft and slidably engaging said frame and adapted to extend outwardly from said side of the frame to define spaces for the accommodation of a plurality of well tubes ar-

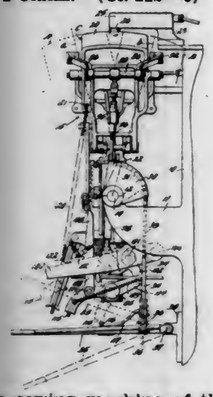


ranged on end, operating rods journaled in said frame and including handles, crank arms secured to said rods, ratchet bars journaled on said crank arms and in engagement with said shaft and arranged in pairs with the pairs of ratchet bars disposed in opposed relation.

2,258,935
ALLOY STEEL ROLL
Harold A. Lomax, Wyomissing, Pa.
No Drawing. Application May 18, 1939, Serial No. 274,446
5 Claims. (Cl. 80—58)

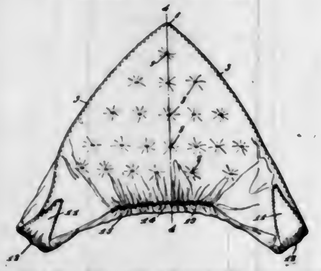
1. A mill roll for rolling hot metal comprising a steel alloy containing from .80% to 1.90% of carbon, from .80% to 1.10% of manganese, .35% silicon, .45% chrome, .35% molybdenum, and from 1.25% to 1.90% nickel.

2,258,936
BROOM MACHINE
Edmund McCaffray, Baltimore, and Charles E. Oyler, Halethorpe, Md., assignors to Edmund McCaffray and B. M. McCaffray, trading as The Baltimore Broom Machine Company, Baltimore, Md.
Application November 14, 1939, Serial No. 304,400
1 Claim. (Cl. 112—6)



In a broom sewing machine of the class described, in combination, a main frame, sewing mechanism thereon, a broom carrier frame provided with trunnions supported in fixed bearings carried by said main frame for limited swinging movement from an initial idle position for the insertion of a broom to be sewed, to an operative position with respect to said sewing mechanism, from which latter position the carrier frame may be fed back to the initial position during the sewing operation, means for swinging said carrier frame from said initial idle position to said operative position comprising a pedal fulcrumed on said frame at a point below the trunnion mounting of said carrier, a peripherally grooved pulley segment fixed upon one of the trunnions of said carrier, a chain secured to said segment, trained through said groove, and connected with said pedal, whereby the depression of said pedal causes the trunnion to rock and the carrier frame to swing into operative position.

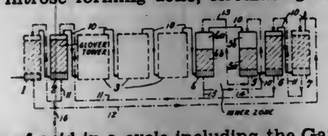
2,258,937
SHOULDER PAD
Lettie Nielsen, Hyde Park, Utah
Application July 15, 1940, Serial No. 345,617
2 Claims. (Cl. 2—268)



1. A shoulder pad for garments, comprising a body having a relatively long outer end and front and rear side edges converging into an apex providing the inner end of the body, said body including a covering made from a single blank of fabric folded to provide substantially triangular upper and lower cover portions having their free edges stitched together to provide a closed pocket, wadding within the pocket and being bunched to provide a raised roll portion along the length of said outer end, said wadding gradually decreasing in thickness from the roll portion to the apex, quilting stitches connecting the cover portions and extending through the wadding to hold the roll portion in shape and to provide mounded portions paralleling the roll portion from the latter to the apex, and said pocket at the central portion of the length of said outer end and along the bottom of the roll portion being stitched in gathered formation to draw the ends of the roll portion toward each other for inwardly curving said outer end and to curve the body upwardly along the length of the roll portion to the apex for shaping the under face of the pad to fit the shoulder of the wearer.

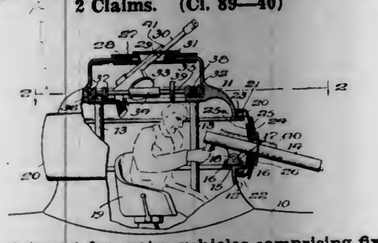
2,258,938
PROCESS FOR THE MANUFACTURE OF SULPHURIC ACID
Hugo Petersen, Berlin-Steglitz, Germany
Application June 2, 1938, Serial No. 211,439
In Germany September 27, 1937
1 Claim. (Cl. 23—168)

A process for the production of sulphuric acid comprising passing SO_2 gas in admixture with a relatively small quantity of nitric and nitrous oxides successively through a Glover tower, an acid production zone wherein the greater proportion of the gases is dissolved and converted to sulphuric acid in a high nitrose containing acid, then in admixture with the reduced oxides of nitrogen set free by the converting acid to a reoxidation zone wherein the reduced oxides are oxidized, then through a combining or nitrose forming zone wherein the oxides are removed, and finally through a Gay-Lussac tower, circulating one portion of acid successively through the nitrose forming zone to remove the aforementioned oxides from the gas to form the aforementioned high nitrose containing acid, then through the acid producing zone, and back to the nitrose forming zone, circulating another



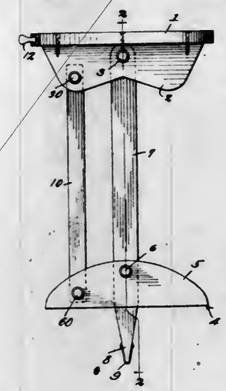
portion of acid in a cycle including the Gay-Lussac and Glover towers, heating the acid entering the Glover tower in order to expel nitrous oxide therefrom to enrich the gas leaving the Glover tower and oxidized in the reoxidation zone, maintaining the first portion of acid at a concentration capable of dissolving SO_2 gas and also of forming nitrose, and diverting a part of the first acid portion leaving the production zone and low in nitrose into the second acid portion, and wherein an oxidation zone is provided having at least 60% of free space and independently sprayed with a cold acid of such strength that no N_2O_3 is withdrawn from the gas passing therethrough.

2,258,939
ARMED TANK CONSTRUCTION
John Morris Poche, Gulfport, Miss., assignor of one-half to Lucas Vaccaro, New Orleans, La.
Application October 2, 1939, Serial No. 297,603
2 Claims. (Cl. 89—40)



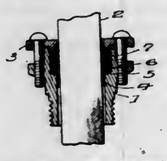
2. A turret for motor vehicles comprising fixed, vertically spaced upper and lower side wall sections, a gun support within the turret, means for pivotally mounting a gun on said support with the gun barrel projecting outwardly through the space between said wall sections, a lateral flange on each of said upper and lower wall sections, a circular way formed in the flange of the lower wall section, said gun support being revoluble around the turret in said way, a circular closure member for the space between said wall sections rotatably supported by said flanges, there being an opening for the gun barrel in said closure, said closure and gun being revoluble around said turret in unison with one another, and a shield substantially closing the opening in said closure, said shield having reversely bent portions embracing opposite sides of said closure around said opening.

2,258,940
FOLDING STOOL
Samuel W. Stanton, Madison, Fla.
Application March 12, 1940, Serial No. 323,605
2 Claims. (Cl. 155—151)



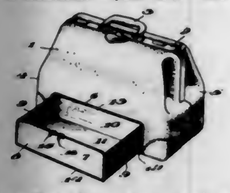
1. A foldable and portable stool comprising a seat, a base, a single post, means for pivotally assembling the upper end of the post with the seat, at a place directly below the geometrical center of the seat, means for pivotally assembling the intermediate portion of the post with the base, at a place midway between the ends of the base, the post extending below the base to form a ground-entering prong of such length as to afford practical and substantial support against lateral tilting, the base being narrower than the seat, a single brace disposed at one side of the post, means for pivotally assembling the upper end of the brace with the seat, and means for pivotally assembling the lower end of the brace with the base, all of the means specified being so located that the stool may be folded to bring the post and the brace into edge-to-edge longitudinal contact.

2,258,941
DOUBLE SEAL CONNECTOR
Albert J. Wayman, Youngstown, Ohio
Application May 19, 1939, Serial No. 274,648
6 Claims. (Cl. 285—6.5)



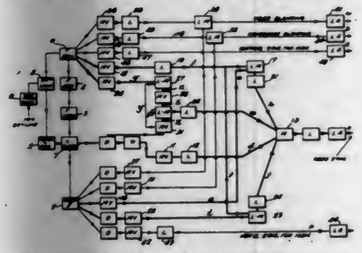
1. A connector for an electric cable comprising a sleeve surrounding said cable and providing an annular space therein surrounding said cable, a ring of adhesive plastic sealing compound surrounding said cable in said annular space, a stopper ring of resilient water-impervious material surrounding said cable adjacent said ring of plastic material, and means for compressing said ring of resilient material against said ring of plastic material, whereby said ring of plastic compound forms a water-tight seal between said cable and said sleeve, and said stopper ring forms a second water-tight seal between said cable and said sleeve.

2,258,942
HAND TRAVELING BAG
David E. White, Cleveland, Ohio, and John M. Mason, Washington, D. C.; said Mason assignor to said White
Application January 13, 1941, Serial No. 374,288
4 Claims. (Cl. 190—52)



1. In a traveling bag, an opening in the wall of the said bag, a slide fastener strip extending around the edges of said opening, the ends of the strip being spaced apart at one side edge of the opening, a drawer supported in said bag with the drawer front fitting in said opening and closing said opening when in closed position, a slide fastener strip attached to the peripheral edges of said drawer front, and a slide constructed and arranged to slide on both of said fastener strips to secure said drawer in said opening in the closed position of said drawer, said slide serving in its unfastened position as a drawer pull.

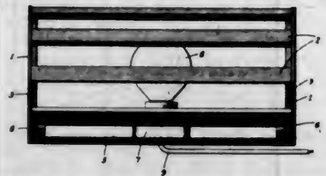
2,258,943
SYNCHRONIZING SIGNAL GENERATOR
Alda V. Bedford, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 30, 1938, Serial No. 243,238
19 Claims. (Cl. 178—69.5)



1. The method of producing a synchronizing signal comprising comparatively high frequency horizontal synchronizing impulses and comparatively low frequency vertical synchronizing impulses which comprises producing impulses occurring at said high frequency, producing impulses occurring at said low frequency, producing additional impulses occurring at a frequency at least as high as said high frequency and in harmonic relation thereto, and so combining all of said impulses that said additional impulses determine the timing of the front edges of said horizontal and vertical synchronizing impulses.

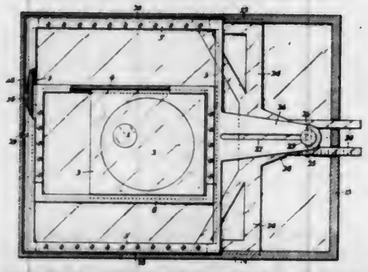
2,258,944
BED WARMER
Bailey O. Bethell, Manteca, Calif.
Application December 12, 1939, Serial No. 308,819
2 Claims. (Cl. 219—45)

1. In a bed warmer, an elongated cage including rigid end members, said cage being initially open from end to end at the bottom, a separate bottom plate for the cage, an electric globe assembly mounted on the upper surface of said bottom plate, and means removably mounting said bottom plate in position on the cage; said means comprising friction catch units connecting between said end members and the bottom



plate, each catch unit comprising one element mounted on the inner face of one of said end members, and a cooperating element mounted on and upstanding from the adjacent portion of the bottom plate.

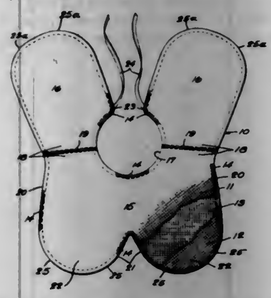
2,258,945
CAMERA TO GIVE PERSPECTIVE TO MOVING PICTURES
Francis M. Brooke, Bryn Mawr, Pa.
Application June 28, 1940, Serial No. 343,016
7 Claims. (Cl. 88—16.6)



4. In moving picture apparatus, a camera supporting-frame, a slide in said frame, an eccentric cam in the slide; a second frame in which the supporting-frame is reciprocative; a pivot at one end of the second frame, and means at the opposing end thereof for variably controlling its angular movement; and means whereby the eccentric cam is rotative to effect conjoint reciprocation of the slide in one direction with alternate movements of the camera supporting-frame in an intersectingly related direction.

2,258,946
PROTECTIVE GARMENT
Virginia H. Chadwick, Louisville, Ky., assignor to Earnshaw Knitting Company, Newton, Mass., a corporation of Massachusetts
Application August 16, 1940, Serial No. 352,901
2 Claims. (Cl. 2—46)

1. A bib for an infant-attending person having a neck opening sufficiently large to be unaffected by any motion of the person's head, two shoulder covers disposed at opposite sides of said opening and having substantially the same spread as the person's shoulders, and front and back covers depending from opposite sides, respectively, of said shoulder covers, said front cover having its lower portion in form of two rounded and slightly outwardly flaring flaps which substantially cover the person's breasts but do not materially extend therebeyond and are partially parted from each other by a V-shaped notch in the lower edge, the outer surface of said front cover being uninterrupted to provide a smooth uniform surface

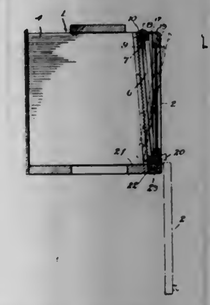


and the side edges of said flaps merging gradually into the outer edges of said shoulder covers.

2,258,947
PRODUCTION OF ITACONIC AND CITRACONIC ANHYDRIDES
Joyce H. Crowell, Orchard Park, N. Y., assignor to National Aniline and Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application September 21, 1939, Serial No. 295,917
5 Claims. (Cl. 260—341)

1. The method of making itaconic and citraconic anhydrides, which comprises thinly distributing anhydrous citric acid in contact with a heating medium maintained at an absolute pressure between 10 mm. and 350 mm. of mercury, and maintained at a temperature sufficient to produce from said anhydrous citric acid vapors at a temperature between 190° and 270° C.

2,258,948
BOOKCASE UNIT
Nijah I. Garrison, Oklahoma City, Okla.
Application September 27, 1940, Serial No. 358,641
12 Claims. (Cl. 312—109)



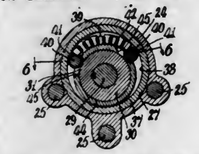
11. A drop-door bookcase unit comprising a casing body having an open front and a bottom, a door which in its closed position in said open front has its lower end resting on said bottom, means connecting the upper end of said door with said body for movement to the closed and open position and so that the door may pivot out of its closed position to clear the forward edge of said bottom and then drop under its own weight to its open position fully clear of said open front, and means coacting with said first means to counterbalance the weight of the door as it drops to its open position.

2,258,949
ROCK DRILL
Elmer G. Gartin, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application October 8, 1937, Serial No. 167,874
Renewed December 18, 1939
14 Claims. (Cl. 255—45)



1. In a rock drill feeding means, the combination with a hammer motor within which longitudinal vibrations occur during the operation thereof and a guide shell on which said motor is slidably guided, of means controlling the movement of said motor along said guide shell comprising frictional control means automatically operative to prevent movement of said motor along said guide shell in one direction while permitting free movement of said motor in the opposite direction, said control means comprising relatively rotatable threadedly engaged members and a rotatable cam frictionally engageable with the threads of one of said members to prevent relative rotation therebetween in one direction while permitting free relative rotation in the opposite direction.

2,258,950
INTERMITTENT GRIP DEVICE
John C. Curtis, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application April 5, 1941, Serial No. 387,093
22 Claims. (Cl. 188—81)

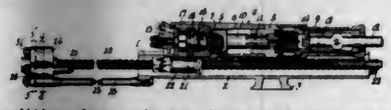


1. In a mechanism of the character described, the combination of a rotatable element to be controlled, and means normally operative to preclude material rotation of said rotatable element in one direction while permitting free rotation thereof in the opposite direction including a control member rotatable with said rotatable element, a reaction member, gripping means operative to engage said members to lock the latter against rotation in one direction while permitting free relative rotation thereof in the opposite direction, and means for mounting said reaction member for free rotation so that the same may rotate into different positions when said gripping means is released, said reaction member presenting a circumferentially continuous surface surrounding its axis of rotation and engageable by said gripping means.

2,258,951
ROCK DRILL
John C. Curtis, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application February 14, 1938, Serial No. 190,356
Renewed November 4, 1939
18 Claims. (Cl. 255—45)

1. In a rock drilling mechanism, the combination of a rock drill, a guide therefor, said rock

drill having a motor of the reciprocating piston, hammer type in which alternating tendencies to longitudinal movement forwardly and rearwardly along said guide are produced during running of the motor, and means controlled by said alternating tendencies to movement forwardly and rearwardly for effecting feed of said rock drill along said guide comprising cooperating elements, of which one is rotatably mounted, respectively carried by said guide and said motor and mutually interengaged so that movement of said motor along said guide is precluded except upon rotation of said rotatable element, means normally operative to preclude material rotation of said rotatable element in one direction while



permitting free rotation thereof in the opposite direction including a control member rotatable with said rotatable element, a reaction member, gripping means operative to engage said members to lock the latter against rotation in one direction while permitting free relative rotation thereof in the opposite direction, and means for mounting said reaction member for free rotation so that the same may rotate into different positions when said gripping means is released, said reaction member presenting a circumferentially continuous surface surrounding its axis of rotation and engageable by said gripping means.

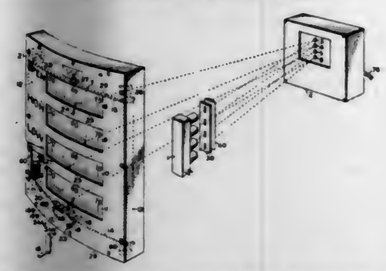
2,258,952

QUOTATION SYSTEM

Raymond M. Hicks, Westfield, N. J., and Merton L. Haselton, Rye, N. Y., assignors to The Teleregister Corporation, New York, N. Y., a corporation of Delaware

Application May 16, 1939, Serial No. 273,880

11 Claims. (Cl. 177—353)



7. A system of the character disclosed comprising a storage device settable to different positions in accordance with the fluctuating prices of stocks or other items, a plurality of index devices each representing a different scale of values and adapted for use in setting said storage device, a posting device having an indicating member settable to different positions and controlled at a distance by the position of said storage device, an adjustable indicia bearing scale upon which are posted the item prices in accordance with the settings of said indicating member, means for adjusting the position of said scale at a distance in accordance with the particular index device employed with the storage device, and means controlled by said adjusting means for indicating at a distance the position of the adjustable scale.

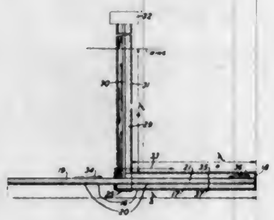
2,258,953

ANTENNA SYSTEM

William H. C. Higgins, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 26, 1939, Serial No. 286,680

9 Claims. (Cl. 250—33)



1. A method of matching a load comprising an antenna input impedance to the impedance of a transmission line over a band of frequencies which comprises determining the termination resistance value of a circuit having an input reactance substantially equal at each frequency in the band to the input reactance of said antenna, and connecting to the antenna input terminals an auxiliary line having a length of approximately a quarter wave-length at one of said frequencies and a characteristic impedance depending upon the value of said resistance and the value of the input impedance of the entire load including the input impedances of said antenna and said auxiliary line.

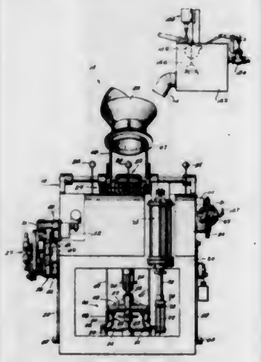
2,258,954

HAT-BLOCKING MACHINE

Axel Jensen, Danbury, Conn., assignor to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware

Application February 1, 1940, Serial No. 316,707

5 Claims. (Cl. 223—7)



1. In a hat-blocking machine the combination of crown-expanding means; banding means; brim-stretching means; fluid-pressure means for concurrently operating said crown-expanding, banding and brim-stretching means; and means for delaying operation of at least one of said means operated by said fluid-pressure means including a separate fluid-pressure-regulating means.

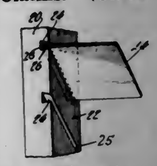
2,258,955

BUILDING CONSTRUCTION

Stuart G. Meek, Larchmont, N. Y., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York

Application April 20, 1939, Serial No. 268,853

7 Claims. (Cl. 98—121)



1. A building construction comprising spaced louver posts of a masonry material defining an opening therebetween, slots in said posts extending from a side edge substantially across opposed faces thereof, louver blades comprising a hardened asbestos-cement composition including end portions inserted in opposed of said slots, a resilient packing material extending between said blades and the walls of said slots, and a caulking composition substantially filling the remaining space within said slots.

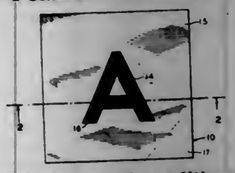
2,258,956

STEEL PLATE FOR LITHOGRAPHIC PRINTING

William N. Misuraca, Merrick, N. Y., assignor to Misuraca, Inc., Branchville, N. J., a corporation of New Jersey

Application September 14, 1938, Serial No. 229,809

4 Claims. (Cl. 41—41.5)



1. A method of preparing a lithographic printing member, which comprises graining the surface of a thin steel plate, applying a light sensitive film to the grained surface, exposing said film to light through a film having a design thereon, developing the exposed plate to eliminate the sensitive film from the unexposed printing areas, coating at least the bare printing areas with a heat reacting synthetic resinous composition which may be converted to the insoluble state at a temperature above 300° F., removing all coating material from the non-printing areas of the plate, and applying a desensitizing solution including gum arabic and chrome alum to the non-printing areas of the plate.

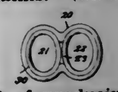
2,258,957

LINGERIE SLIDE BUCKLE AND LOOP AND METHOD OF PRODUCING THE SAME

Samuel Orenbach, Brooklyn, N. Y.

Application August 18, 1939, Serial No. 290,718

2 Claims. (Cl. 29—3)



1. The method of producing an integral lingerie strap slide element having a pair of slide openings at right angles to the plane of the slide element consisting in forming from sheet metal a flat blank having a pair of openings therein corresponding substantially in contour to the shape of and of lesser size than the openings to be produced in the finished slide and having an outer marginal rim conforming substantially in contour to the marginal shape of the finished slide and of greater area than that of the finished slide and with a transversely extending medial web integrally connected to the opposite sides of said rim between said openings, pressure stamping said blank to enlarge said openings and to bend the free edge portions of said rim and web in a direction to form the rim and web into channel-shape in cross section and then bending the free edge portions of said rim and web to dispose the free edges thereof into adjacent closed relation.

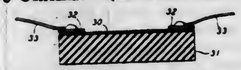
2,258,958

CONDUCTIVE DEVICE

Gerald L. Pearson, Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 13, 1939, Serial No. 284,164

9 Claims. (Cl. 201—72)



1. A conductive device comprising a plurality of conducting particles embedded in a body of insulating material, whereby voids among said particles are filled with said material, said particles being held in mutual, microphonic contact by said material, said material having a thermal expansion coefficient widely different from that of said particles.

2,258,959

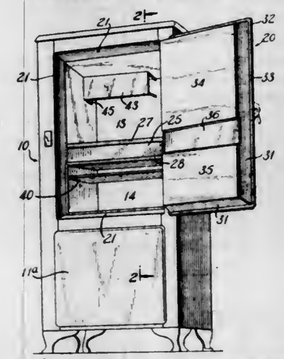
REFRIGERATOR

Thomas I. Potter, Buffalo, N. Y., assignor to Refrigeration Patents Corporation, Buffalo, N. Y., a corporation of New York

Application June 5, 1934, Serial No. 729,072

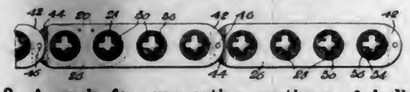
Renewed September 15, 1938

18 Claims. (Cl. 62—116)



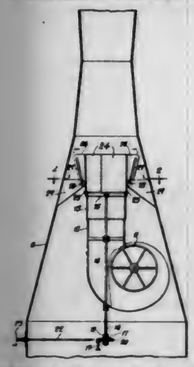
18. A household refrigerator comprising a cabinet provided with separate tanks thermally insulated from each other and from the outside atmosphere and constituting chambers to be maintained at different temperatures, a common door for closing the openings of said tanks, and sealing means between the door and the cabinet for sealing said chambers from communication with each other.

2,258,960
PIPE RACK
Hazen L. Rymal, Refugio, Tex.
Application March 11, 1939, Serial No. 261,297
9 Claims. (Cl. 211—60)



2. A rack for supporting sections of hollow pipe in substantially vertical position with the weight of the sections of pipe resting on the lower ends thereof, comprising a plurality of elongated metal plates adapted to be arranged on a base adjacent one another, said plates having a plurality of means each adapted to position the open lower end of a section of pipe, and means for adjustably securing said plates together at their ends, whereby adjacent plates may be adjusted with respect to one another on the base to arrange the sections of pipe as desired.

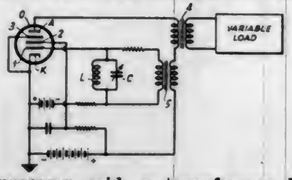
2,258,961
EJECTOR DRAFT CONTROL
George W. Saathoff, South Orange, N. J., assignor to Prat-Daniel Corporation, Port Chester, N. Y., a corporation of New York
Application July 26, 1939, Serial No. 286,521
7 Claims. (Cl. 230—99)



1. Apparatus of the type described which comprises an exhaust stack having an inner surface contracting toward the outlet, an ejector nozzle within the contracting part of said stack and spaced from the wall of the stack to form an annular passage, a blower to withdraw gases from said stack and force them at an increased velocity through said nozzle, and means to vary the cross sectional area at the outlet of said nozzle and the longitudinal position of said nozzle in the contracted part of said stack.

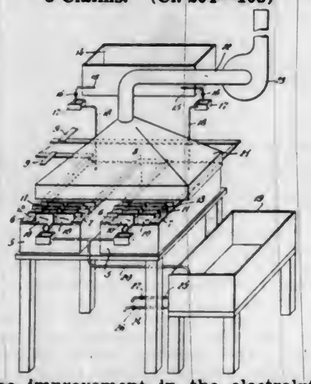
2,258,962
REGENERATIVE OSCILLATOR
Karl Scherer, Berlin, Germany, assignor to "Fides" Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten m. b. H., Berlin, Germany, a corporation of Germany
Application December 31, 1938, Serial No. 248,719
In Germany January 3, 1938
3 Claims. (Cl. 250—36)

1. An oscillation generator circuit arrangement comprising an electron discharge tube having a cathode, an anode and a plurality of grids, including a control grid, a screen grid and a suppressor grid, a resonant input circuit connected between the cathode and said control grid, an output circuit connected from the cathode through a source of potential to the anode, the overall impedance of said output circuit being substantially equivalent to the impedance of said tube, means including said source for rendering said screen grid positive with respect to the cathode, a direct connection between the cathode and



said suppressor grid, a transformer having a highly resistive primary in said output circuit and a secondary in circuit with a variable load, a second transformer having a relatively low resistance primary in said output circuit for deriving feed-back therefrom, and means including a secondary winding in the last said transformer for applying said feed-back energy to said input circuit substantially free from effects of variation of said load.

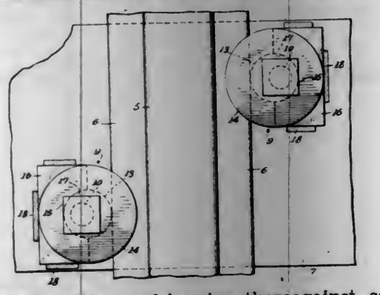
2,258,963
PRODUCTION OF TELLURIUM
Wesley G. Woll, Tottenville, N. Y., and Robert T. Gore, Drexel Hill, Pa., assignors to International Smelting & Refining Company, New York, N. Y., a corporation of Montana
Application July 20, 1939, Serial No. 285,500
5 Claims. (Cl. 204—105)



1. The improvement in the electrolytic production of metallic tellurium which comprises electrodepositing metallic tellurium in reguline state as a firm adherent deposit upon a suitable cathode at a current density of from 10 to 20 amperes per square foot of cathode surface from a caustic alkali electrolyte containing not less than about 50 grams per liter of tellurium as an alkali-metal tellurite.

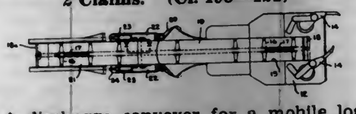
2,258,964
RAIL SECURING MEANS
Robert F. Wood, Glenside, and Robert Seeman, Willow Grove, Pa.
Application June 25, 1940, Serial No. 342,192
4 Claims. (Cl. 238—341)

1. Rail securing means comprising a rail support, a rotatable cam member mounted on the support and constructed to apply a variable lateral pressure against the rail base, and a locking member secured to the rail support beside the cam member and after the cam member is in



adjusted position and bearing thereagainst, said rotatable cam member and locking member having abutting cam faces arranged relative to the rotatable member to prevent turning movement thereof.

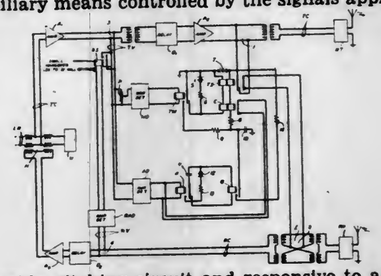
2,258,965
DISCHARGE CONVEYER FOR LOADING MACHINES
George Baechli, Franklin, Pa., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application June 4, 1940, Serial No. 338,771
2 Claims. (Cl. 198—121)



1. A discharge conveyer for a mobile loading machine, comprising a front section having an upper deck and a lower deck, a rear section having a lower deck hinged to the lower deck of the front section and an upper deck provided with a downwardly curved forward edge adapted to extend underneath the upper deck of said front section, and means for varying the elevation of said rear section relative to the front section including opposed brackets secured to the front and rear sections of said conveyer on each side thereof, a nut journaled in each of said brackets, and a bolt having right and left hand threads on its opposite ends threaded into the opposed nuts on each side of said conveyer, whereby turning of the bolt in one direction will lower said rear section and turning in the opposite direction will elevate said rear section.

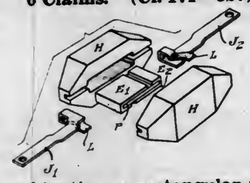
2,258,966
CONTROL OF TRANSMISSION IN TWO-WAY SIGNALING SYSTEMS
Bjorn G. Bjornson, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 12, 1940, Serial No. 360,898
7 Claims. (Cl. 178—44)

1. In combination with a two-way signal transmission system including at a terminal thereof signal transmitting and receiving paths and a signal-controlled switching circuit for directionally controlling signal transmission in said paths while preventing singing and suppressing echoes, means to improve the operation of said switching circuit from the standpoint of reducing the probability of signal transmission lockouts for a given amount of protection against signal clipping, comprising a circuit for producing a time hang-over in the operation of said switching circuit with cessation in the controlling signals and auxiliary means controlled by the signals applied



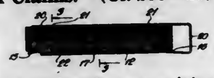
to said switching circuit and responsive to a reduction in their amplitude level below the predetermined value required to cause operation of said switching circuit to adjust the time constant of the hang-over producing circuit in accordance with the characteristics of the subsequently applied signals.

2,258,967
ART OF MOUNTING PIEZOELECTRIC CRYSTALS
Samuel A. Bokovoy, Audubon, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 29, 1940, Serial No. 343,140
6 Claims. (Cl. 171—327)



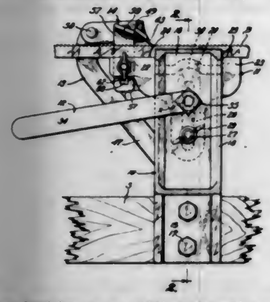
1. In combination, a rectangular piezo-electric crystal having major and minor faces, a pair of electrodes each partially covering two major and three minor faces of said crystal and means for applying a clamping force to said crystal through its partially covered major faces.

2,258,968
RAZOR BLADE PACK
Arthur J. Briggs, Syracuse, N. Y., assignor to Magazine Repeating Razor Company, New York, N. Y., a corporation of New Jersey
Application January 29, 1941, Serial No. 376,431
11 Claims. (Cl. 206—16)



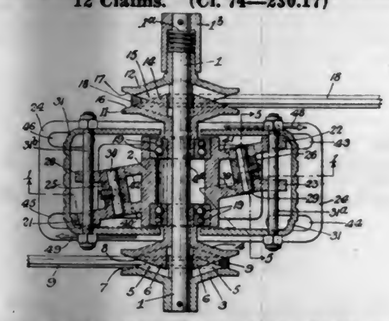
1. A razor blade pack, comprising a stack of razor blades, each blade being provided with a plurality of nubs in one face and a plurality of indentations in the other, the nubs of each blade being nested in the indentations in a contiguous blade, the nubs and indentations sloping away from the surface of the blade and toward one end thereof at an angle small enough so that a blade may by an endwise sliding motion be dislodged from the blade contiguous to it, and a clamp serving to hold said stack in assembled condition.

2,258,969
SAW VISE
Claude E. Brown, Santa Ana, Calif.
Application July 26, 1939, Serial No. 286,580
3 Claims. (Cl. 76—77)



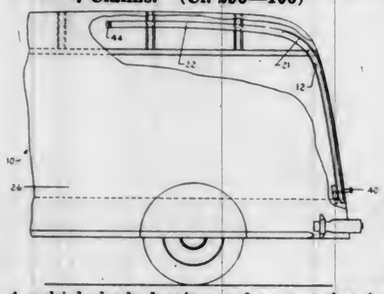
1. A saw holder comprising a pair of normally open jaws operable when closed to grip a saw blade, a rest for shiftably supporting the blade, means supporting the rest on the jaws for adjustment whereby the rest may support the saw blade between the jaws with its toothed edge above the jaws, means for moving the jaws together to hold the blade, a shiftable member engageable with the teeth of the blade to advance the blade when the jaws are open, a single means for successively operating the jaw closing means and the said member, a spring blade for cooperating with the teeth of the blade, and means adjustably supporting the spring blade on the rest to slope downwardly and forwardly relative to the direction of advancement of the blade so that its lower edge cooperates with the rear edges of the teeth to prevent retrograde movement of the blade.

2,258,970
VARIABLE SPEED TRANSMISSION DEVICE
Marc A. Buettell, Sycamore, Ill., assignor to Ideal Commutator Dresser Company, Sycamore, Ill., a copartnership composed of John Walker Becker and Louis C. Becker
Application August 20, 1938, Serial No. 225,841
12 Claims. (Cl. 74—230.17)



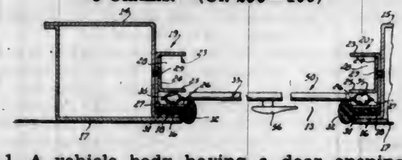
1. A variable speed transmission device for use with driven and driving belts comprising a shaft, two sheaves thereon, each having two relatively adjustable elements between which the driven and driving belts are received, mechanism for shifting the position of the elements of the sheaves relative to each other to vary inversely the distance of the portion of the belt engaging faces of one sheave engaged by its associated belt from the shaft with relation to the portion of the other sheave engaged by its associated belt, a shifting device for said mechanism and a casing located between the sheaves for covering said mechanism, said casing connected with said shifting mechanism so as to move therewith.

2,258,971
LIFT DOOR
Philip Carlson, Long Hill, Conn.
Application February 21, 1939, Serial No. 257,607
7 Claims. (Cl. 296—106)



1. A vehicle body having a door opening in its rear end and vertical posts at each side of said opening, an outer covering for said body including portions projecting slightly inwardly into the space between said posts, a channel member including vertical portions secured to each of said posts and having their open sides facing one another, said members spaced slightly from the projecting edges of said covering whereby to provide vertical slots at each side of the door opening between said members and the projecting edge portions of the body covering, said channel members including upper horizontal portions extending forwardly in the vehicle body and curved portions connecting said vertical and horizontal portions, said members having openings in their outer flange portions adjacent the upper portion of said door opening, a door comprising inner and outer one-piece panels of metal connected at their lower ends, heat and cold insulating material between said panels, said door having the vertical edge portions of its inner panel against the outer faces of the inner flanges of said channel members, said door when closed having the vertical edge portions of its outer panel in said vertical slots, said outer door panel including a portion extending through the openings in the outer flanges of said channel members whereby as the door is raised to open position its upper portion moves completely into the curved and horizontal portions of said channel members, and said door panels resilient whereby to permit of the door moving through the curved portions of said channel members as the door is moved to and from open position.

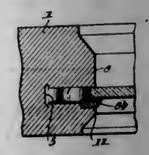
2,258,972
LIFT DOOR
Philip Carlson, Long Hill, Conn.
Application October 19, 1940, Serial No. 361,861
8 Claims. (Cl. 296—106)



1. A vehicle body having a door opening, a vertical metal door post at each side of said

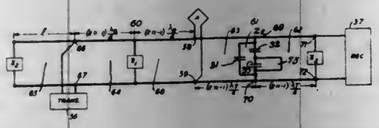
opening and each including an integral flange projecting into said opening, channel means including vertical portions secured to each of said posts with their open sides facing one another, said channel means each including horizontal portions connected with said vertical portions, a door slidable in said channel means, said channel means spaced slightly from the flanges of said posts, and a weather strip wedged in the spaces between said flanges and channel means and including bead portions substantially engaging said door when the latter is in the vertical portions of said channel means.

2,258,973
WINDOW SASH
George C. Cross, Sioux Falls, S. Dak., and John A. Loetscher and Ray A. Arduser, Dubuque, Iowa, assignors to Farley & Loetscher Manufacturing Company, Dubuque, Iowa, a corporation of Iowa
Application April 27, 1939, Serial No. 270,410
2 Claims. (Cl. 20—56.1)



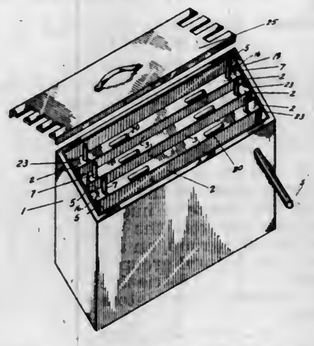
1. A window sash comprising a frame forming an opening for a pane of glass, two of the edge faces of said frame on opposite sides of said opening being grooved to receive the corresponding edges of said pane of glass, one of said grooves being substantially deeper than the groove opposite, and a spring mounted in the bottom of the deeper of said grooves and bent into the form of a bow, the portion of said spring in contact with the edge of said pane being beveled, whereby lateral pressure is exerted on said pane to hold it against rattling in said frame.

2,258,974
WAVE TRANSMISSION NETWORK
Clarence H. Dagnall, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 5, 1938, Serial No. 238,965
17 Claims. (Cl. 178—44)



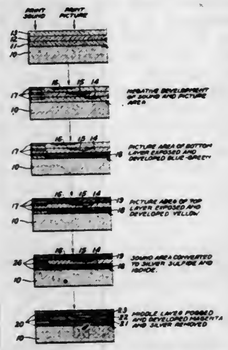
1. A frequency-selective wave transmission network for attenuating waves of one frequency f_1 while transmitting waves of a different frequency f_2 comprising an impedance branch which includes two reactors connected in series, a third reactor connected in shunt with said two reactors, and a fourth reactor connected in shunt with one of said two reactors, said fourth reactor having a reactance at the frequencies f_1 and f_2 which is of opposite sign to the reactance of said other three reactors at said frequencies and one of said reactors being a section of transmission line.

2,258,975
FREEZING UNIT
Edward H. Davis, Baltimore, Md.
Application August 9, 1939, Serial No. 289,291
2 Claims. (Cl. 62—159)



1. In an ice-cube maker, the combination of an external casing, adapted to hold a supply of water, and a plurality of watertight, sealed magazines held in spaced relationship within the casing, said magazines having each a plurality of relatively short rigid tubes extending through the same transversely from wall to wall below the normal water level and open at the ends to allow the filling water to stand internally within them, and conductor connections to the magazines arranged to provide for the circulation of freezing fluids therein and around the external peripheral surfaces of the tubes situated between the walls of the individual magazines to directly cool and refrigerate the water filling the interior of said tubes.

2,258,976
PHOTOGRAPHIC SOUND TRACK
Le Roy M. Dearing, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application May 3, 1940, Serial No. 333,203
4 Claims. (Cl. 95—2)



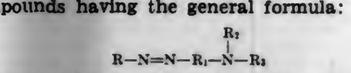
1. The method of producing a sound track in a photographic film, which comprises printing the sound track image on the film, developing the film to a negative sound image, and treating the sound track area of the film with a combined sulfiding and iodizing bath to form a combined silver sulfide and silver iodide sound track in the film.

2,258,977
AZO COMPOUNDS AND MATERIAL COLORED THEREWITH

Joseph B. Dickey and James G. McNally, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application September 22, 1939, Serial No. 296,116
8 Claims. (Cl. 260—153)

1. The nuclear non-sulfonated monoazo dye compounds having the general formula:



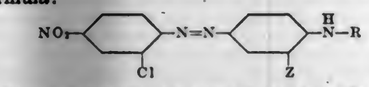
wherein R and R_1 each represents the residue of and aryl nucleus of the benzene series containing but one benzene nucleus, R_2 represents a member selected from the group consisting of hydrogen, an alkyl group, an allyl group, a cycloalkyl group and a furyl group and R_3 represents the residue of a 1,3,5-triazine nucleus joined through a nuclear carbon atom to the nitrogen atom shown.

2,258,978
AZO COMPOUNDS AND MATERIAL COLORED THEREWITH

Joseph B. Dickey and Max M. Levine, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application April 27, 1940, Serial No. 332,040
4 Claims. (Cl. 260—205)

1. The azo dye compounds having the general formula:



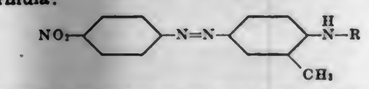
wherein Z represents a member selected from the group consisting of methyl and methoxy and R represents a member selected from the group consisting of β-hydroxyethyl, monohydroxypropyl and glyceryl.

2,258,979
AZO COMPOUNDS AND MATERIAL COLORED THEREWITH

Joseph B. Dickey and Max M. Levine, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Original application April 27, 1940, Serial No. 332,040. Divided and this application December 30, 1940, Serial No. 372,358
4 Claims. (Cl. 260—205)

1. The azo dye compounds having the general formula:



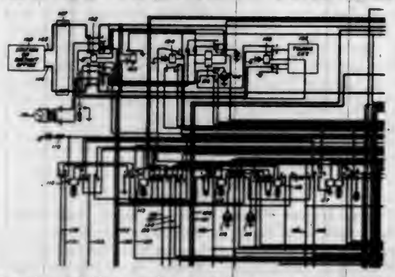
wherein R represents a member selected from the group consisting of β-hydroxyethyl, monohydroxypropyl and glyceryl.

2,258,980
TELEPHONE SYSTEM

Lloyd L. Eagon, Great Neck, and James B. McKim New York, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application April 18, 1940, Serial No. 330,254
9 Claims. (Cl. 179—27)

1. In an automatic switching telephone system, trunk circuits for incoming calls from call stations and outgoing calls to call stations, operators' positions, means in a trunk circuit responsive to an incoming call for controlling the selection of an idle operator's position and for actuating equipment in said position, signaling means in said operator's position for indicating faulty

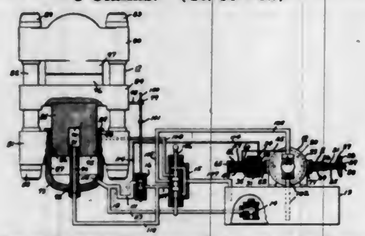


operation of the equipment in an associated trunk circuit, lock-out means individual to each trunk circuit for removing said trunk circuit from service and rendering it non-selectable, and means in said operator's position for operating the lock-out means in a trunk circuit so connected with said position.

2,258,981
SELECTIVE DELIVERY REDUCTION MEANS FOR VARIABLE DELIVERY PUMPS

Walter Ernst, Mount Gilead, Ohio, assignor to The Hydraulic Press Corp. Inc., Wilmington, Del., a corporation of Delaware

Application September 16, 1938, Serial No. 230,260
8 Claims. (Cl. 60—52)

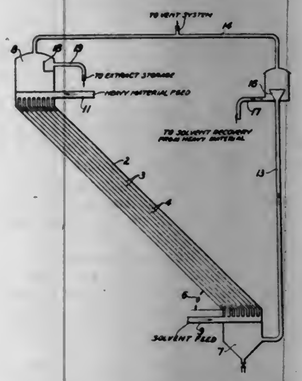


1. In a hydraulic circuit, a main cylinder, a main plunger therein, a variable delivery pump hydraulically connected to said main cylinder and having a movable flow control element, yielding means for urging said flow control element in a flow-increasing direction, an auxiliary cylinder, an auxiliary piston therein connected to move said flow control element in a flow-reducing direction, a control cylinder constantly connected to the pump discharge, a control piston in said cylinder, said control piston being movable independently of said auxiliary piston and being responsive to a predetermined pressure in said control cylinder for moving said flow control element to its zero delivery position, means responsive to the travel of said main plunger to a predetermined position during its advancing stroke for admitting pressure fluid to said auxiliary cylinder, whereby to reduce the flow from said pump to said main cylinder and to reduce the speed of said main plunger, and means responsive to a predetermined point of travel of said main plunger during its retraction stroke for causing said main plunger to convey fluid pressure to said auxiliary piston for actuating the same so as to move said flow control element to a restricted delivery position.

2,258,982
EXTRACTION APPARATUS

Jack J. Gordon and John H. Zeigler, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application December 8, 1938, Serial No. 244,654
6 Claims. (Cl. 23—270.5)

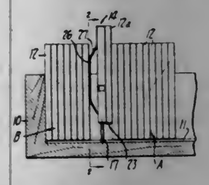


2. Apparatus for countercurrent, liquid-liquid extraction without substantial emulsification, comprising at least one elongated duct, broad and long relative to its thickness, said duct being positioned at an angle to the vertical, thus providing an upper top surface and a lower bottom surface, the duct terminating in chambers, individual feed means for the duct, flaringly constructed to extend across substantially the entire width of the upper surface of the duct and positioned to feed against this surface of the duct, and a similar feed means at the other end of the duct positioned to feed against the other surface of the duct.

2,258,983
PROGRESSIVE SEPARATOR

Valentine F. Greaves, Oakland, Calif.

Application May 13, 1940, Serial No. 334,861
8 Claims. (Cl. 312—92)

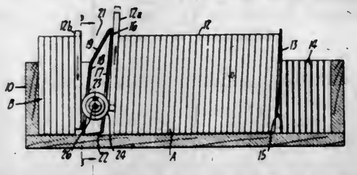


1. A progressive separator for use with a series of projection slides having a pre-arranged sequence and a container for said series of slides having means for maintaining said slides elevated from the bottom thereof, said separator being adapted for disposition in said container to separate the series of slides into one group which are to be projected and another group which have been projected, said separator having means projecting toward the group of to be projected slides and adapted for movement beneath the next adjacent slide of said one group to lift said slide into accessible position for easy removal for projection.

2,258,984
PROGRESSIVE SEPARATOR

Valentine F. Greaves, Oakland, Calif.

Application May 13, 1940, Serial No. 334,860
9 Claims. (Cl. 312—92)

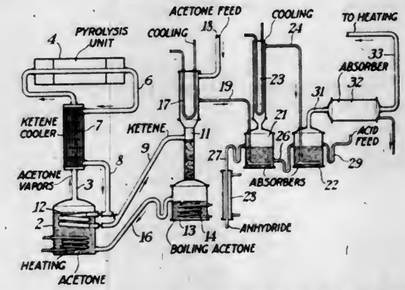


1. A progressive separator for use in a container having a series of pre-arranged projection slides disposed therein in row formation, said progressive separator being adapted to separate the series of slides into a group which are to be projected and a second group which have been projected, said separator being formed at its upper portion to define a guide opening leading to said projected group, said separator carrying means operable to elevate the next slide of the to-be-projected group, said separator also being movable along said container as the slides are successively removed and replaced.

2,258,985
PROCESS FOR THE MANUFACTURE OF KETENE

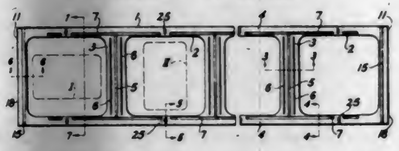
Frederick J. Hopkinson, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application January 5, 1937, Serial No. 119,087
5 Claims. (Cl. 260—550)



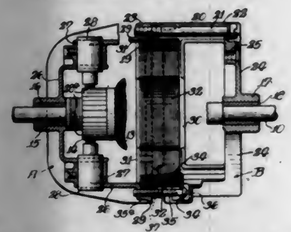
3. A process for the pyrolysis of a ketenizable substance to ketene which comprises passing a quantity thereof to heating between 500° C. and 1000° C., converting only one-twentieth to one-third of the substance per pass to ketene, said heating being graduated, by baffled contact with heating gases, so that the heating at the start and toward the completion thereof is lower than at an intermediate point, cooling said ketene in the presence of the unconverted substance by countercurrent passage in heat transfer relationship with vapors of ketenizable substance having a boiling point not substantially greater than the boiling point of said unconverted substance, out of direct admixture with the ketene, thereby preventing overcooling of the ketene-containing reaction mixture, further cooling the ketene-containing mixture to cause the condensation of the ketenizable substance in admixture with the ketene, thereby permitting the separation of the ketene and immediately heating the liquid that is condensed to drive off any ketene dissolved therein.

2,258,986
MULTIPLE COMPARTMENT LANTERN SLIDE HOLDER
Miller B. Hutchison, Jr., Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application November 26, 1940, Serial No. 367,204
3 Claims. (Cl. 88—26)



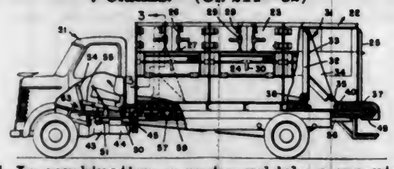
1. A lantern slide carrier comprising a thin springy sheet metal frame of greater length than breadth, a plurality of apertures in the frame plate having cross bars therebetween, folds along the top and bottom of the frame plate outwardly and toward each other forming lantern slide mount receiving grooves, the edge of the folds being bent toward the frame plate and forming parallel springy rails on which a lantern slide mount may slide, rounded formings on the frame plate opposite the bent-over rails on which the lantern slide mounts may slide, said rails also stiffening the frame plate, formings extending across the width of the frame plate carried at the ends thereof, of a width substantially equal to the thickness of a lantern slide mount, and including a flange bent downwardly toward the frame plate, a rounded forming extending parallel to the ends of the frame plate into which the ends of the end formings are folded, and strengthening ribs formed in the cross bars between the apertures in the frame plate to oppose transverse flexing thereof.

2,258,987
MOTOR FRAME CONSTRUCTION
William B. Kochner, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application May 29, 1940, Serial No. 337,810
5 Claims. (Cl. 172—36)



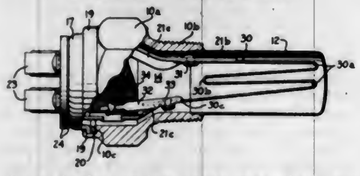
1. In a motor frame construction, a pair of frame members, means to connect said frame members together, a motor shaft bearing carried by each of said frame members, said bearings being aligned with each other when said frame members are so connected together, a pile of field laminae enclosed within said frame members, one of said frame members having a seat against which one side of said pile of laminae engage, perforated projections from the opposite side of said pile of laminae, and tie bolts extending along and exteriorly of the periphery of the laminae and extending through said projections to connect them with said last mentioned frame member to retain said laminae against said seat.

2,258,988
REFUSE TRUCK
Louis A. Le Laurin, San Antonio, Tex.
Application July 30, 1940, Serial No. 348,404
7 Claims. (Cl. 214—82)



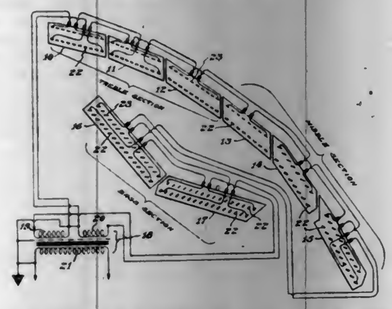
1. In combination, a motor vehicle, a receptacle body mounted thereon, a plurality of top closures for said body, a plurality of side closures for said body, a pair of end closures for said body, locking means for all said closures, a transverse compression plate mounted for longitudinal movement in said body for compression of material therein, an angularly projecting portion from lower end of said compression plate said projecting portion being inclined toward the rear of said body for the purpose of assuring uniform compression of material at different body levels, wiping means attached to lower edge of said angular projection for prevention of wedging of material under said compression plate, a gusset formed integral with said compression plate and projecting through a longitudinal slot in floor of said body for connection to actuating means, wheels supporting front portion of said compression plate and engaging floor of said body, wheels mounted on rear end of said gusset for engagement with under sides of said longitudinal slot in floor of said body, a driving sprocket located at front of said body, an idler sprocket located at rear of said body, a chain passing around said sprockets and connecting at its ends with said gusset extension through said longitudinal slot in floor of said body, reversible power transmission means between said driving sprocket and motor of said vehicle, manually operable control means for said power transmission means, means operable by said chain for disengaging clutch of said motor when said compression plate approaches the limits of its longitudinal travel and means co-active with said chain and said manually operable control means for said power transmission means to permit re-engagement of said clutch when said manually operable control means is moved to neutral or reverse position.

2,258,989
BIMETALLIC TEMPERATURE INDICATOR
Joseph I. Liner, Toledo, Ohio
Application May 20, 1939, Serial No. 274,860
4 Claims. (Cl. 201—48)



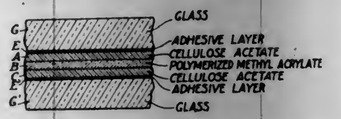
1. In a device of the class described, an elongated casing having an open end and provided with exterior attaching means, a cover for the open end of the casing adapted to form a tight seal with the casing, U-shaped bracket means positioned transversely on the cover to carry active elements projecting into the casing, comprising a folded bimetallic element anchored to one arm of the U-shaped bracket to extend substantially to the bottom of the casing and having a free end adapted to sweep the space between the arms of the U-shaped bracket, a resistance element positioned between the arms of the U-shaped bracket and transversely of the casing to cooperate with the free end of the bimetallic strip, so that variations in the temperature of the bimetallic strip will vary the position of the free end thereof in a proportion to the temperature, and binding posts placed in insulated relation on the outside of the cover for convenience in making connection with the active elements to extraneous electric circuits.

2,258,990
ELECTRIC PIANO
Ernest S. Lundie, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 30, 1940, Serial No. 326,825
3 Claims. (Cl. 84—1.15)



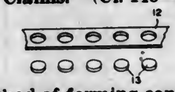
1. In an electric piano, a plurality of vibratible elements, a plurality of electro-magnetic pickups in cooperative relation with said elements, means connecting said pick-ups in two matched groups to two output transformer primaries, and ground connections at the high frequency end of each of said primaries.

2,258,991
MANUFACTURE OF LAMINATED GLASS
James G. McNally, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application March 2, 1937, Serial No. 128,650
1 Claim. (Cl. 49—92)



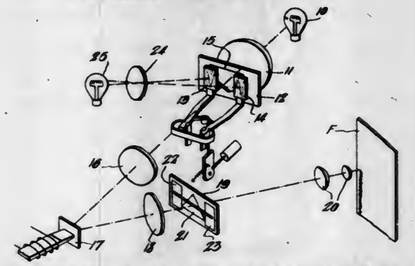
Laminated glass having a high degree of resistance to shattering under impact and under bending and twisting strains comprising sheets of glass bonded together through the medium of a composite, flexible, non-brittle, plastic sheet characterized by a high degree of resistance to shattering under bending and twisting strains, said sheet comprising two outer sheets of cellulose acetate having a relatively low degree of elasticity and plastic deformability laminated to an inner sheet composed of polymerized methyl acrylate of appreciable thickness, said inner sheet material having a higher degree of elasticity than the cellulose acetate sheets.

2,258,992
METHOD OF FORMING CONTACTS
William E. Mansfield, Garfield Heights, Ohio, assignor, by mesne assignments, to Cleveland Tungsten, Inc., Cleveland, Ohio, a corporation of Ohio
Application September 16, 1939, Serial No. 295,259
4 Claims. (Cl. 148—11.5)



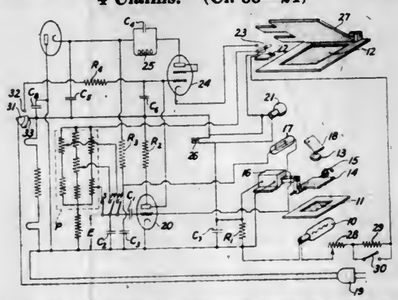
1. The method of forming contacts which comprises making disks from a fabricated ductile tungsten rod or strip, and then heating the disks at a temperature of 900° to 1600° C. in a nonoxidizing atmosphere for a sufficient length of time to cause a sufficient dispersion in the grain structure of the tungsten to render it nonductile.

2,258,993
SOUND RECORDING APPARATUS
Harry L. Matsinger, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application July 31, 1940, Serial No. 348,891
3 Claims. (Cl. 179—100.3)



1. In a sound-recording device including an illuminated aperture, a slit and means for vibrating an image of said aperture across said slit in accordance with sound waves to be recorded, the combination of light-reflecting means movable across said aperture in accordance with the envelope of said sound waves, and means for illuminating said light-reflecting means.

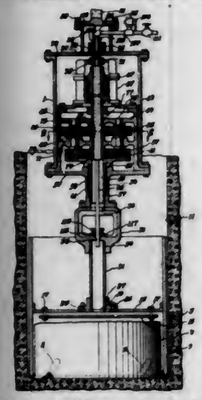
2,258,994
PHOTOGRAPHIC PRINTING APPARATUS
William E. Merriman and Bradshaw Burnham, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application December 14, 1939, Serial No. 309,222
4 Claims. (Cl. 88—24)



1. In photographic printing apparatus in which the discharge of a condenser determines the

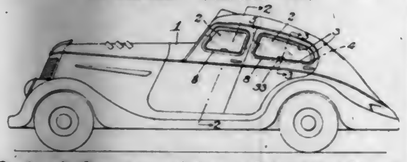
printing exposure interval, a light sensitive cell activated in accordance with the printing intensity for governing the discharge of the condenser, means for terminating the exposure when the condenser has been discharged to a predetermined value, and means actuated by the exposure terminating means for discharging the condenser below said predetermined value, whereby surges arising upon the sudden termination of the exposure will not bring about a repeat exposure.

2,258,995
DRILLING MECHANISM
Frank Miller, East Orange, N. J., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application March 23, 1940, Serial No. 325,485
2 Claims. (Cl. 255—4)



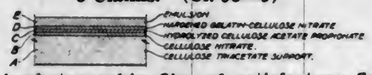
1. In a rotary drilling apparatus, a casing, a driving motor in the casing having a shaft, a series of reduction gears in the casing adapted to be driven by the motor, a sleeve on one of the reduction gears, a connector secured to the sleeve, a cutter element secured on the connector, a stuffing box in the connector, a tube extending through the motor and reduction gears and stuffing box terminating adjacent the cutter to supply shot thereto.

2,258,996
AUTOMOBILE VENTILATING DEVICE OR WINDOW
Willard L. Morrison, Lake Forest, Ill.
Application August 29, 1938, Serial No. 227,302
14 Claims. (Cl. 296—44)



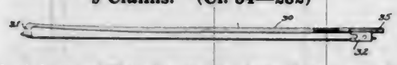
3. A window comprising a frame made up of the body sheets of the automobile having portions bent inwardly toward the window opening, a sealing device having a groove into which these bent portions are received, said sealing device extending around the window opening, the inwardly projecting portions of said body sheets at intervals having laterally projecting parts which fit into grooves in the sealing device, said inwardly projecting portions being separated to form a space, the sealing device having an opening registering with this space so that water may pass down in between the body sheets.

2,258,997
MANUFACTURE OF PHOTOGRAPHIC FILM
Gale F. Nadeau, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application November 26, 1940, Serial No. 367,179
3 Claims. (Cl. 95—9)



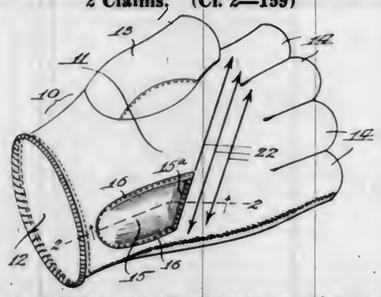
1. A photographic film of satisfactory flexibility and free from brittleness which comprises a cellulose triacetate support and a photographically sensitive colloid layer joined to the support by a composite intervening layer comprising a cellulose nitrate sub adhesively joined to the support, a hydrolyzed cellulose mixed organic acid ester sub adhesively joined to the cellulose nitrate sub and a mixed gelatin cellulose nitrate sub adhesively joined to the cellulose mixed organic acid ester sub, said intervening layer rendering the flexibility characteristics of the film as a whole independent of the degree of adherence existing between the photographically sensitive layer and the subbed support.

2,258,998
MUSICAL INSTRUMENT BOW
Martin Nebel, Philadelphia, Pa.
Application December 6, 1940, Serial No. 368,771
9 Claims. (Cl. 84—282)



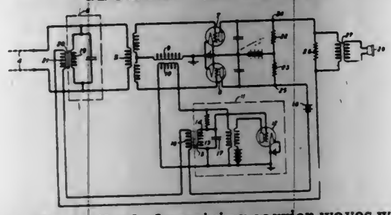
1. A bow of the character described comprising a flexible rod; a head element; a frog element; a strand unit including a plurality of loops of a single synthetic strand; and means engaging the loops of said unit and said head and frog elements respectively.

2,258,999
GOLF PLAYER'S GLOVE
Edward S. Nunn, Los Angeles, Calif.
Application April 21, 1939, Serial No. 269,146
2 Claims. (Cl. 2—159)



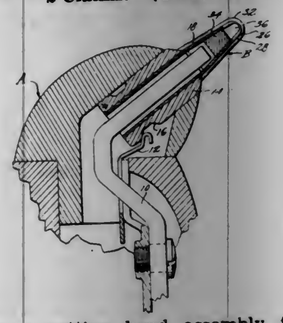
1. A golf player's glove having a palm portion and thumb and finger encircling members and a pad formed on and projecting upwardly from the palm portion of the glove adjacent the wrist encircling end thereof and on the side of the palm portion opposite from the thumb encircling member, which pad is disposed substantially in longitudinal alignment with the finger receiving members that encircle the third and little fingers of the hand to which the glove is applied, which pad is provided at its forward end with a shoulder that is inclined transversely of the glove and also inclined rearwardly with respect to the palm surface of the glove.

2,259,000
TRANSMISSION OF FREQUENCY MODULATED WAVES
Harry Nyquist, Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 21, 1938, Serial No. 209,183
14 Claims. (Cl. 250—20)



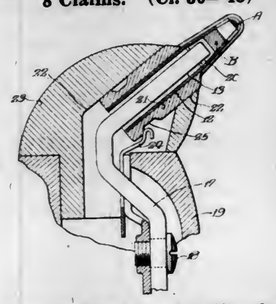
1. The method of receiving carrier waves which are frequency modulated in accordance with non-periodic signals and of reducing the effect of disturbing energy of frequencies differing from the instantaneous frequency of the received carrier waves which comprises highly attenuating all received components differing in frequency by more than a preassigned value from the instantaneous frequency of the received modulated waves so as to leave relatively unattenuated a band of substantially fixed width but the limiting frequencies of which constantly change and at any instant are determined by the instantaneous frequency of the received waves and frequency demodulating the unattenuated frequency band components whereby signals corresponding to the original modulations may be derived and noises incident to the attenuated frequency ranges may be eliminated.

2,259,001
HAIR CLIPPER
Raymond Knapp, Long Island City, N. Y., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application March 12, 1938, Serial No. 195,521
2 Claims. (Cl. 30—43)



1. In a cutting head assembly for a hair clipper the combination of a relatively thin outer shear plate having opposite flat sides disposed at an oblique angle to each other wherein the cutting portion extends in the form of a rounded edge tangent at each end to said sides, said cutting portion having slots extending through the rounded edge providing correspondingly rounded teeth having a thickness varying between a minimum thickness at the crown thereof and a maximum thickness at the base, an inner shear block having a rear face making equal angles at the edges with the flat sides of the shear plate and itself having flat sides disposed at an oblique angle to each other equal to the angle of sides of said outer shear plate fitting within the outer plate and adapted to move relative thereto in a longitudinal reciprocal direction only, said inner shear block having slots extending therethrough from one oblique side to the other with the bottoms of said slots parallel to the rear face of said inner plate and forming teeth adapted to provide both flat and curved shearing planes at the cutting portion of the plate, and spring pressed means for urging the inner shear block into close cutting relation with portions of the teeth at the sides and end of the outer plate so that a resultant portion of the force exerted by the spring acts against the obliquely positioned lateral faces.

2,259,002
CUTTERHEAD CONSTRUCTION FOR DRY SHAVERS
Raymond Knapp, Long Island City, N. Y., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application August 1, 1938, Serial No. 222,455
8 Claims. (Cl. 30—43)

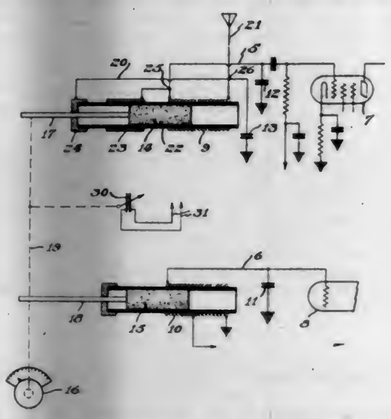


1. In a cutter head construction for dry shavers, an outer cutter plate formed of sheet metal, said plate having therein a plurality of spaced openings whereby the portions of the sheet metal between said openings form outer cutter teeth, an inner reciprocable cutter having teeth for shearing coaction with said outer teeth, a groove depressed in said outer cutter plate for each opening therein and terminating at an end of the opening, said inner cutter terminating at said ends of said openings and the metal of said outer cutter in which said grooves are formed, engaging the terminal end of said inner cutter, said grooves being arranged in a direction substantially lateral to the direction of reciprocation of said inner cutter plate relative to the skin of the user.

2,259,003
IMAGE REJECTOR CIRCUIT
John D. Reid, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application March 30, 1940, Serial No. 326,842
5 Claims. (Cl. 250—20)

1. A radio signal receiving system including a tunable signal circuit, variable inductance

means in said circuit, variable capacity means in shunt therewith, a common movable control element providing a combined magnetic tuning core for said inductance means and a variable control electrode for said capacity means, and a second electrode for said capacity means associated with said element and comprising a sleeve



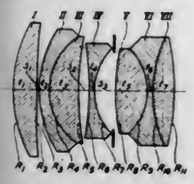
of conducting material into which said element moves from the inductance thereby to modify the tuning in opposition to the effect of the inductance variation, said sleeve being so shaped that a predetermined modification of the tuning of said device is effected in response to tuning movement of said element.

2,259,004

PHOTOGRAPHIC OBJECTIVE

Willy Schade, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application June 8, 1939, Serial No. 278,046
8 Claims. (Cl. 88—57)



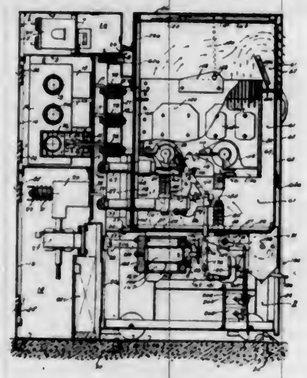
1. A highly corrected photographic objective of the unsymmetrical type comprising four components axially aligned and air spaced apart and in which behind the diaphragm there is a compound collective component having two oppositely curved cemented surfaces and in which there is a negative component immediately in front of the diaphragm and a plurality of positive components in front of the negative component, the objective being characterized by including three components in front of the diaphragm, the first one being collective, the second one being collective and compound with a cemented surface convex to the incident light, the index of refraction of the glass following this cemented surface being at least .04 greater than that of the glass preceding this surface, and the third one being a biconcave negative element and enclosing with the second component a biconvex negative air lens whose axial thickness is less than one-tenth of the focal length of the objective.

2,259,005

CIRCUIT CONTROLLING DEVICE

William M. Scott, Jr., Bryn Mawr, Pa., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa., a corporation of New Jersey

Original application August 27, 1938, Serial No. 227,089. Divided and this application April 25, 1940, Serial No. 331,507
20 Claims. (Cl. 200—147)



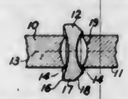
1. A circuit breaker comprising a rigid frame, a contact structure supported therefrom, a rigid contact arm movable between open and closed circuit positions and supported from said frame, an inflexible contact member for engaging said contact structure loosely pivoted to said arm for movement with and with respect to said arm, a secondary contact electrically connected to said contact structure and mounted for movement relative thereto, and a secondary contact immovably secured to said arm for movement therewith into and out of engagement with said first-named secondary contact.

2,259,006

LENS HOLDER

Arthur B. Simmons, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application October 25, 1939, Serial No. 301,195
20 Claims. (Cl. 88—57)



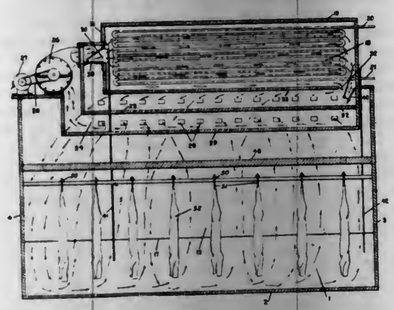
1. Means for holding a lens whose refracting faces are surfaces of revolution about the optic axis of the lens comprising two members of a clamp for clamping opposite faces of the lens symmetrically about the optic axis of the lens, each member having a smooth circular contacting surface of small radius of curvature in section whereby substantially a circumferential line contact is obtained with the surface of the lens, the circular contacting surfaces being concentric, parallel and movable only axially whereby a clamped lens will move laterally under a clamping pressure until the optic axis is concentric with the contacting surfaces.

2,259,007

CONSTRUCTION OF STORAGE COMPARTMENTS

Daniel D. Story, Charles Curtis Schlesser, and Edward E. Schlesser, Portland, Oreg.

Application November 12, 1938, Serial No. 240,028
5 Claims. (Cl. 62—102)



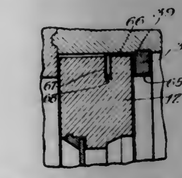
1. A curing chamber for fresh meat, said chamber being normally closed, means for supporting meat in a suspended condition and for conveying the suspended meat within the chamber, a coil box disposed on top of the chamber and running longitudinally of the top of the chamber, a refrigerated coil of pipe running longitudinally of the coil box, an air tunnel disposed beneath the coil box, a partition running longitudinally of the tunnel and dividing the tunnel into upper and lower passageways, a hood disposed within the curing chamber having skirts downwardly depending from the hood and at opposite edges of the hood, and the hood and the skirts being spaced from the walls, roof and the floor of the curing chamber, power means for circulating air from the curing chamber through the lower passageway of the air tunnel into the coil box and for recirculating the air into the curing chamber and means for predetermining the volume of air that is to be circulated.

2,259,008

WEATHER STRIPPING

Earl C. Swanson, Bayport, Minn., assignor to Andersen Corporation, Bayport, Minn., a corporation of Minnesota

Application October 22, 1938, Serial No. 236,475
4 Claims. (Cl. 20—52)



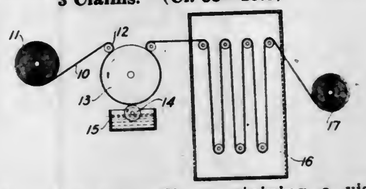
1. The combination with a window frame for sliding sashes having a parting stop forming one wall of the channel in which the sashes slide, of a weatherstrip having a portion fitting over said parting stop, a wing member extending laterally from said portion and into said channel, a rib at the outer edge of said wing member entering a groove in a sash stile, and a separate resilient member located between said wing member and the sash stile pressing against the latter.

2,259,009

ANTIABRASION COATING FOR PHOTOGRAPHIC FILM

Ralph H. Talbot, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application November 23, 1938, Serial No. 242,031
3 Claims. (Cl. 88—19.5)



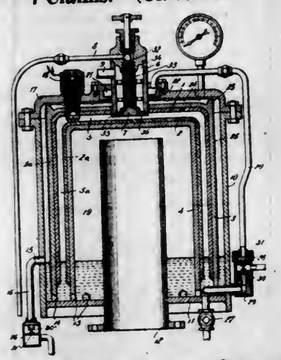
1. A photographic film containing a visible image and free from permanent abrasion comprising a developed, fixed, washed, and dried photographic film having thereon a coating of cellulose acetate phthalate of from 20% to 32% acetyl content and from 38% to 10% phthalyl content, which is removable in a 1% sodium carbonate solution.

2,259,010

APPARATUS FOR COMBUSTION OF FLUID FUEL

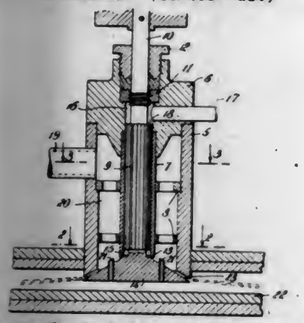
Edwin Taylor, Brooklyn, N. Y., assignor of two-fifths to William F. Doyle, Summit, N. J.

Application May 24, 1939, Serial No. 275,462
7 Claims. (Cl. 60—45)



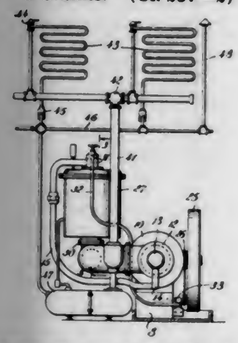
1. A generator adapted to produce a heat-conveying pressure fluid medium by effecting the substantially complete combustion of a fluid fuel which comprises coaxially aligned closely spaced members having bell-shaped portions, the adjacent surfaces of which have incorporated therein a catalytic material, said bell-shaped members providing between them a continuously open space for combustion of the fluid fuel and conduction of products of combustion, and means for injecting a combustible fuel mixture into said open space at substantially the center thereof, whereby said mixture expands freely between and in contact with the said adjacent surfaces radially outwardly from the point of injection, the injection of the combustible fuel mixture being in a direction substantially parallel to the confining walls of said open space so that contact of the combustible fuel mixture with said confining walls is primarily by said free expansion of the fuel mixture and so that there is no appreciable deflection of the fuel mixture by said confining walls until combustion of the fuel mixture has been initiated.

2,259,011
ATOMIZER FOR LIQUID FUELS
Edwin Taylor, Brooklyn, N. Y., assignor of two-fifths to William F. Doyle, Summit, N. J.
Application May 24, 1939, Serial No. 275,463
6 Claims. (Cl. 299—130)



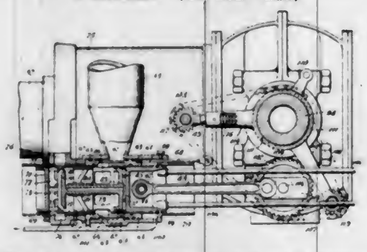
1. The method of obtaining improved atomization of a liquid combustible material in an atomizing device which comprises effecting the flow of said liquid in a path of substantially conical configuration, said conical path having an apex angle not less than about 90°, introducing a combustion-supporting medium to the liquid combustible material flowing in said path, conveying from a point in advance of the point of contact between the combustion-supporting medium and the liquid, an additional supply of combustion-supporting medium through said path of conical configuration and out of direct contact therewith, diverting said additional supply of combustion-supporting medium radially away from the axis of said conical configuration in a plane substantially perpendicular to said axis, and discharging the mixture of combustible material and combustion-supporting medium into the path of said diverted stream of combustion-supporting medium.

2,259,012
HEATING SYSTEM
Edwin Taylor, Brooklyn, N. Y., assignor of two-fifths to William F. Doyle, Summit, N. J.
Application May 24, 1939, Serial No. 275,464
9 Claims. (Cl. 237—2)



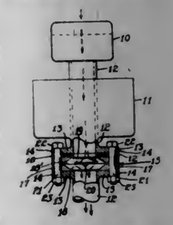
6. An apparatus for producing and radiating heat by the combustion of a fluid fuel which comprises a generator having a plurality of closely spaced combustion-catalyzing contact surfaces of refractory material defining a combustion zone, associated means for intimately mixing the fluid fuel with a combustion-supporting medium and for injecting the mixture intermediate the contact surfaces, the areas of said surfaces adjacent the point of injection of the fuel mixture increasing outwardly therefrom at a rate substantially in excess of a linear rate, said generator further having means for transforming a part of the sensible heat of said products of combustion into latent heat whereby a heat-conveying fluid medium is produced, a heat-radiating system connected to the outlet of said generator by a prime mover-compression means, said prime mover-compression means comprising axially spaced compressor cylinders separated by a prime mover cylinder of substantially larger diameter coaxial therewith, two rigidly joined axially spaced oppositely faced piston members, each having a prime mover portion movable in the prime mover cylinder and a compressor portion movable in the adjoining compression cylinder, said prime mover cylinder having a common intake and exhaust port near each end thereof adapted to deliver substantially all of the fluid medium from the outlet of said generator thereto to drive the rigidly joined piston members in unison and adapted to deliver the fluid medium from the cylinder to the heat-radiating system on the return stroke of the piston, and a hollow drive shaft comprising axially spaced sections journalled in opposing midlength positions in the wall of the prime mover cylinder with crank-arm sections attached to each of the shaft sections and connected by a crank pin, the drive shaft being connected with one of the compressor pistons by means of a connecting rod attached to the said crank pin and to a wrist pin associated with said compressor piston.

2,259,013
APPARATUS FOR PRODUCING POWER
Edwin Taylor, Brooklyn, N. Y., assignor of two-fifths to William F. Doyle, Summit, N. J.
Application May 24, 1939, Serial No. 275,465
4 Claims. (Cl. 121—144)



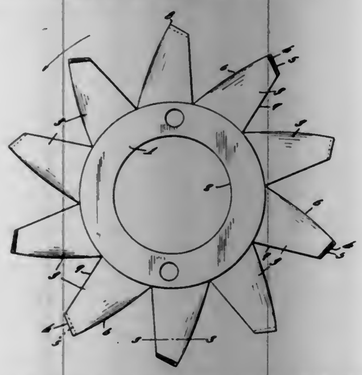
1. In a positive pressure engine assembly a valve mechanism for controlling the inlet and exhaust of the prime mover cylinders comprising an outer relatively fixed valve housing having an inlet opening for the pressure fluid medium and an outlet opening connected to a prime mover cylinder, an inner relatively movable cylindrical valve housing reciprocable in the outer housing and operatively connected with said prime mover, said inner housing being provided with a central pressure fluid chamber adapted to provide an intermittent passage for the pressure fluid between said inlet and outlet connections, an inner piston valve assembly within the inner housing operative by means of the pressure fluid to close and open the passage between the inlet and outlet connections, and an adjustable relatively stationary means for regulating the operation of said inner valve assembly by controlling the point of admission of pressure fluid medium whereby the time of connection between said inlet and outlet connections may be controlled.

2,259,014
FUEL AND AIR MIXING DEVICE
Clyde E. Upperman, Pittsburgh, Pa.
Application April 10, 1940, Serial No. 328,893
5 Claims. (Cl. 48—180)



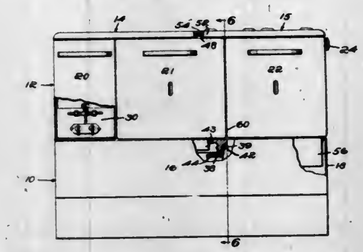
1. A fuel and air mixing device which comprises an elliptical body member having openings therethrough for fastening purposes and provided with a central mixing chamber which has its maximum effective cross-section substantially at the center of said body member and which decreases in size symmetrically toward the inlet and outlet ends of the chamber, a baffle positioned in said mixing chamber and having at least one flat disc-like surface disposed normal to the direction of fluid flow through said chamber and means for mounting said baffle substantially at the point of greatest diameter of said chamber, the relationship between the said chamber and the said baffle being such as to produce an anti-Venturi effect.

2,259,015
ROTARY CUTTER
Marshall C. Anderson and Owen Estes, Hines, Oreg.
Application December 5, 1939, Serial No. 307,681
1 Claim. (Cl. 143—140)



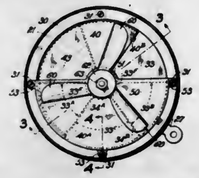
A rotary cutter comprising a disk, back pitched teeth projecting from the periphery of said disk, said teeth tapering in width outwardly and terminating in rearwardly inclined outer ends, said outer ends of the teeth being alternately beveled on opposite sides, said teeth tapering throughout their length from their leading edges to their trailing edges.

2,259,016
COOKING RANGE
Eugene L. Baker, Taunton, Mass.
Application June 14, 1939, Serial No. 279,031
6 Claims. (Cl. 126—39)



1. A sectional cooking range comprising a box-like base, a body comprising an oil burner section and a gas burner section, means for locating and supporting the oil burner section on one end portion of the base, and means for removably locating and supporting the gas burner section superposed over the remaining end portion of the base and juxtaposed against the oil burner section, the last named means including interlocking elements integral with one section and shaped to drop into interlocking engagement with complementary elements integral with the other section for locating and anchoring the gas burner section on and relative to the oil burner section.

2,259,017
MEASURING CLOSURE
Charles R. Bennett, Cleveland, Ohio
Application November 27, 1939, Serial No. 306,312
8 Claims. (Cl. 221—108)

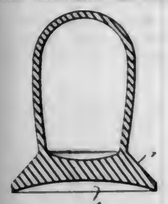


1. A measuring closure comprising in combination; a plate, a hood over a portion of said plate, a scoop slidable over said plate into and out of a position under said hood and being open on a face against said plate and having edges closely adjacent said plate defining said open face, and a bottom cover beneath said plate; said plate and hood being mutually fixed; said scoop and bottom cover being mutually fixed; edges defining apertures in the hooded portion of said plate and means for causing relative movement between said plate-hood group of elements and said scoop-cover group of elements.

2,259,018
DECOY DUCK
Robert W. Benson, Orion, Ill.
Application January 17, 1941, Serial No. 374,937
1 Claim. (Cl. 43—3)

For use as a decoy duck, a duck head adapted to be removably secured to any type of floatable body, said duck head comprising a hollow head portion simulating a duck's head and an integrally formed base portion, said base portion be-

ing bevelled and circular in form and having a



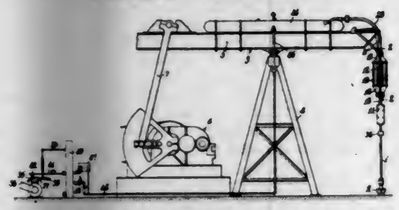
concavity and of a material to provide a vacuum cup.

2,259,019

APPARATUS FOR PUMPING OIL WELLS

Richard H. Carr, Chicago, Ill., and Kenneth A. Covell and Charles F. Terrell, Jr., Tulsa, Okla., assignors, by mesne assignments, to Sullivan Machinery Company, a corporation of Massachusetts

Application June 7, 1939, Serial No. 277,844
8 Claims. (Cl. 255—16)



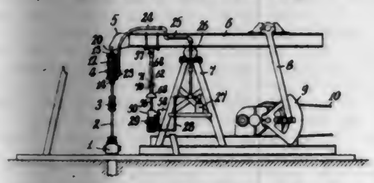
1. In an apparatus of the nature described, a cylinder, a piston therein, a connection with a substantial volume of gaseous fluid under pressure exceeding atmospheric opening through the side of the cylinder at a point spaced from one end of the latter, and a lateral opening communicating with atmosphere for the influx and discharge of fluid spaced from the other end of the cylinder a distance less than the length of said piston.

2,259,020

APPARATUS FOR PUMPING WELLS

Wade H. Wineman, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application December 9, 1938, Serial No. 244,783
17 Claims. (Cl. 255—16)



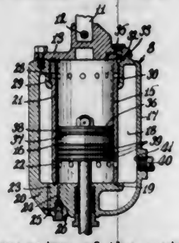
1. In an apparatus of the character described, the combination with a member to be reciprocated and a walking beam for reciprocating said member, of a fluid cushioning means connected between the operating end of said walking beam and said member to be reciprocated and including a cylinder containing a reciprocatory piston, and means for controlling the pressure of the fluid in the cylinder at the opposite sides of said piston including automatic check valve means opening inwardly into communication with the cylinder ends for supplying fluid thereto.

2,259,021

APPARATUS FOR PUMPING OIL WELLS

Wade H. Wineman, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application December 9, 1938, Serial No. 244,784
17 Claims. (Cl. 255—16)



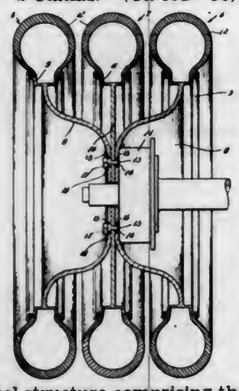
1. In an apparatus of the nature described, a cylinder, a piston therein, a connection with a substantial volume of fluid continuously under pressure exceeding atmospheric and opening through the side of the cylinder at a point spaced from one end of the latter, a lateral opening into said cylinder for the influx and discharge of fluid spaced from the other end of the cylinder a distance less than the length of said piston, and a one-way flow connection between said lateral opening and the adjacent end of said cylinder.

2,259,022

VEHICLE WHEEL

Claud William Clark, Meridan, Miss., and Wallace Prouty Edmonds, Emelle, Ala.

Application September 19, 1940, Serial No. 357,478
2 Claims. (Cl. 301—36)



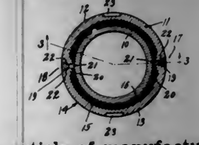
1. A wheel structure comprising three complete wheel units, each wheel unit embodying a body having an integral pneumatic tire-accommodating rim; the body portions of said wheel units having central portions thereof in intimate facial contact and apertured to receive the wheel-mounting bolts projecting from a conventional wheel brake drum for mounting the wheel structure on said drum, and the rims of said wheel units being of substantially the same diameter and in the same plane; the body of the intermediate wheel unit being of flat disk form, and the bodies of the wheel units at opposite sides of the intermediate wheel unit being of dished disk form, with the rims of the last-named wheel units laterally spaced from the rim of the intermediate wheel unit, and each wheel unit having the central portion of the body thereof provided on one face with a circular series of spaced grooves extending radially with respect to the center of said body, and on the opposite face thereof integral ribs of substantially the same longitudinal and transverse dimensions as said grooves, so that the ribs of one wheel unit seat in the grooves of an adjacent wheel unit to facilitate aligning the bodies of the wheel units to receive the wheel-mounting bolts of the brake drum, and the handling of the three-wheel units as a group.

2,259,023

GRIEF COLLAR

Harry H. Clark, Los Angeles, Calif., assignor to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application August 4, 1939, Serial No. 288,312
14 Claims. (Cl. 308—4)



4. As an article of manufacture, a grief collar for a well pipe, comprising a cylindrical steel sleeve surrounding the pipe, and formed as a pair of cooperating halves, a rubber insert associated with each of said halves, means to confine each rubber insert longitudinally within said sleeve, the halves being integrally joined by welding to maintain the rubber under compression between the sleeve and the pipe.

2,259,024

DRYING DRUM

Ralph E. Cleveland, Waterbury, Conn.

Application March 28, 1940, Serial No. 326,483
7 Claims. (Cl. 257—87)



2. A drying drum comprising a cylindrical shell of metal adapted to be rotated, a central heating chamber formed by said shell of metal heated by a vapor tending to condense with the formation of a pool of condensate at the bottom of said chamber and a film of condensate over the interior of said metal shell, a smooth coating of chromium over said inner surface and means for continuously wiping said chromium coating, whereby the said vapor condenses in the form of drops rather than in the form of a film and the heat efficiency of said drying drum is substantially increased.

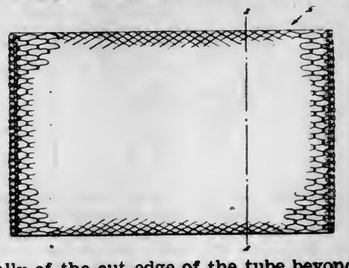
2,259,025

CLEANING DEVICE FOR POTS AND PANS AND THE LIKE

Daniel J. Cosgro, Cohoes, N. Y.

Application February 15, 1941, Serial No. 379,131
3 Claims. (Cl. 15—209)

1. A cleaning and scouring device of the character described, said device comprising a flat seamless tube of flat, flexible wire mesh, a line of lock stitch sewing paralleling each end of the tube and passing through the top and bottom plies of the tube, and an enveloping stitching on each end of said tube, said enveloping stitching comprising interconnected convolutions on the top and bottom of the end of the tube and comprising interlocking loops reaching from a point longitudinally inwardly from the line of lock stitch sewing and thereacross to a point longitudinally of the cut edge of the tube beyond the line of lock stitch sewing in protective relation to the upper and lower parts of the line of lock stitch sewing and the cut edges of the tube, said upper and lower convolutions being further interconnected above the said cut edge whereby the said interlocking loops of the upper and lower convolutions are in protective relation to said cut edge.



2,259,026

BACK COVERING FOR VEHICLE SEATS

Maria Angela Alvarez de González Pagliere, Buenos Aires, Argentina

Application July 24, 1939, Serial No. 286,217
2 Claims. (Cl. 155—182)



1. A covering for the back of the seats of automotive vehicles and the like, comprising, a stationary sheet having a slippery surface adapted to be mounted on the back of the seat and a facing sheet of non-slippery material, an insert sheet carried by the rear of the facing sheet and having a relatively slippery surface contacting the slippery surface of the stationary sheet, and means for resiliently connecting the facing sheet to the stationary sheet to permit relative movement therebetween.

2,259,027

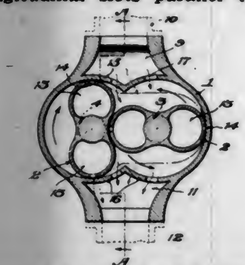
ROTARY COMPRESSOR

Pedro Ortiz de Zarate and Dudley Steward Drabble, Buenos Aires, Argentina

Application January 27, 1940, Serial No. 315,994
In Great Britain May 3, 1939
2 Claims. (Cl. 230—141)

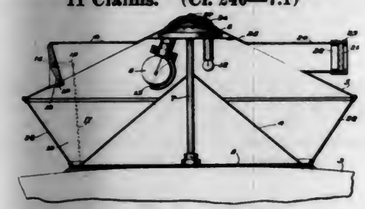
1. In a rotary compressor, a pair of impellers mounted with parallel axes, a casing surrounding said impellers, means for synchronously driving said impellers, said impellers having respective

peripheral contours that during rotation mutually substantially engage each other and substantially engage the inner surface of said casing, said impellers being hollow and being provided with longitudinal slots parallel to their axes



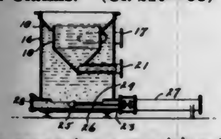
which extend the full axial length of said impellers and through the respective peripheral shells of said impellers providing a communicating channel between the hollow interior thereof and said casing.

2,259,028
AUTOMOBILE LIGHTING SYSTEM
Samuel Eliot, Newton, Mass.
Application October 7, 1938, Serial No. 233,730
11 Claims. (Cl. 240—7.1)



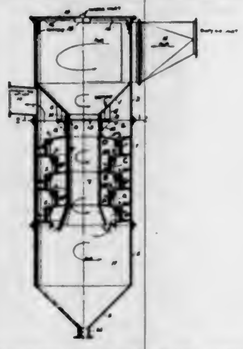
1. A lamp structure adapted to be mounted on the top of a motor vehicle and comprising two reflectors of generally conical shape, means supporting them in approximately horizontal positions, one above the other, and in approximately coaxial relationship to each other but spaced apart by a predetermined distance and with their convex surfaces upward, the adjacent surfaces of said members being reflecting, an electric lamp mounted between said reflectors, said upper reflector being apertured to provide a space through which light from said lamp may be directed forwardly to illuminate the road in front of the vehicle, and means cooperating with said lamp to confine and condense said light and to direct it in a wide beam relatively narrow vertically.

2,259,029
SLUDGE SEPARATOR
Ernest F. Fisher, Springfield, Ill.
Application July 23, 1937, Serial No. 155,316
4 Claims. (Cl. 210—58)



1. A sludge separator comprising in combination, a main tank provided with a tangential inlet at the side through which slurry enters tangentially to the side wall of the tank and an outlet at the bottom for the removal of sludge, a second tank open at the top supported in spaced relationship to and within said main tank, the wall of said second tank extending below and above said inlet but not above the wall of the main tank, a baffle means attached over substantially the entire circumference of the inner wall of the main tank above said inlet, the free edge of said means extending downwardly and away from said wall to a point below the top of said second tank, and means for removing clear liquid from said second tank.

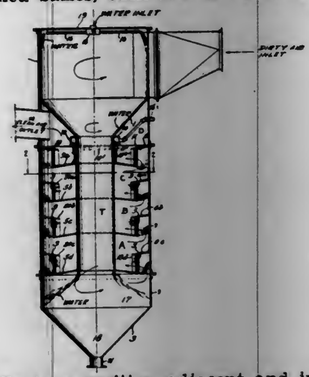
2,259,030
WET DUST COLLECTOR AND AIR WASHER
Ernest F. Fisher, Boston, Mass.
Application January 19, 1939, Serial No. 251,751
3 Claims. (Cl. 261—21)



1. A gas-cleaning apparatus comprising in combination a casing provided at the top with a tangential inlet, a collector below said inlet which creates an upper and lower compartment, an outlet provided in said casing below said collector, a vertical tube depending from said collector, a substantially horizontal ring-shaped baffle surrounding and attached to said tube, another substantially horizontal ring baffle attached to the inner wall of said casing below said outlet in staggered relationship to said first mentioned baffle, circularly disposed vertical swirl-producing vanes extending between said baffles and supported by one of said baffles, a blade ring attached to the free ends of said vanes, means to supply liquid within the casing and above said collector, and an opening provided in the wall of said tube to allow said liquid to drain over the outer surface of said tube, thence downwardly and over the surfaces of the attached baffle and said vanes.

2,259,031
WET DUST COLLECTOR AND AIR WASHER
Ernest F. Fisher, Boston, Mass.
Application January 30, 1939, Serial No. 253,551
2 Claims. (Cl. 261—21)

1. A gas-cleaning apparatus comprising a shell provided with a tangential inlet near the top, a collector which creates an upper and lower compartment within the shell, an outlet for cleaned gases in the lower compartment, a vertical tube open at both ends depending from the lower end of said collector, superposed ring-shaped baffles attached to the inner wall of said shell below said outlet and extending away from said wall superposed ring-shaped baffles of less diameter than the inner periphery of said first-mentioned baffles attached to and surrounding the outer surface of said tube, in staggered relationship to said first mentioned baffles, means below said collector for supplying liquid to the space above said baffles, swirl-producing vanes circularly supported about the periphery of said last-mentioned baffles, each row of vanes extending

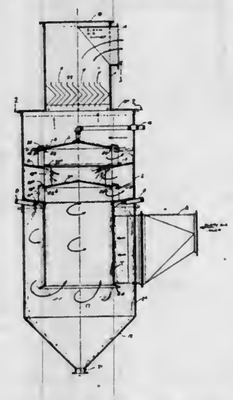


vertically to a position adjacent and in spaced relationship to said first-mentioned baffles, so that portions of said liquid within the lower compartment may flow downwardly and between said baffles and swirl-producing means.

2,259,032
GAS WASHER
Ernest F. Fisher, Boston, Mass.
Application February 9, 1939, Serial No. 255,388
8 Claims. (Cl. 261—18)

7. A gas cleaning column comprising in combination a cyclone separator at the top, an inlet in said cyclone separator, an opening in the bottom of said separator, a substantially vertical tube depending from said outlet, an outlet for cleaned gases in the wall of the column below said separator, a substantially horizontal annular upper baffle attached to and surrounding said tube, a substantially horizontal annular lower baffle attached to the inner wall of the column below said outlet and below said upper baffle, a cylindrical assembly comprising a blade ring and a plurality of vertically disposed swirl-producing vanes supported within the column and extending between said baffles, the diameter of said assembly being greater than the outer diameter of the upper baffle, said blade ring being positioned on a level with or above said upper baffle, means for supplying water to the stream of gases in the cyclone separator, means to supply oil to the surface of the upper baffle, and means to collect for recycling said oil after draining from said baffles and vanes.

2,259,033
LIQUID AND AIR CONTACT COLUMN FOR CLEANING AIR AND GASES
Ernest F. Fisher, Boston, Mass.
Application February 15, 1939, Serial No. 256,522
9 Claims. (Cl. 261—79)

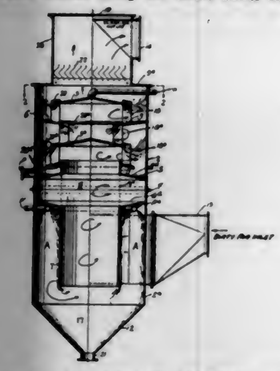


1. A gas cleaning apparatus comprising a column provided with a tangential inlet for gases to be cleaned at the bottom and an outlet for cleaned gases at the top, a substantially horizontal diaphragm provided with a central opening attached to the inner wall of the column between said inlet and said outlet, a substantially horizontal baffle means provided with a central opening spaced from the column supported above said diaphragm, a plurality of circularly disposed vertical whirl-producing vanes spaced from the column extending between said diaphragm and said baffle means, a substantially horizontal imperforate liquid distributing plate disposed to close said central opening to the flow of gas while permitting the distribution of washing liquid to said opening supported so that its outer edge lies just below the inner edge of said baffle means and above said diaphragm, and means to supply liquid to said distributing means.

2,259,034
GAS WASHER
Ernest F. Fisher, Boston, Mass.
Application March 6, 1939, Serial No. 260,031
2 Claims. (Cl. 183—28)

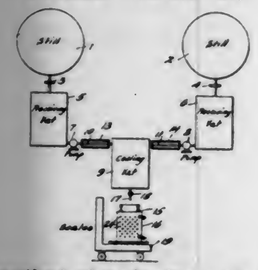
1. A gas cleaning apparatus comprising, in combination, a column provided with a tangential inlet at the bottom and an outlet at the top, a substantially annular trough attached to the inner wall of the column above the inlet and below the outlet, thus dividing the column into a cyclone separator in the bottom and a scrubbing chamber in the top, a substantially horizontal blade ring provided with a central opening disposed above said trough and below said outlet, a plurality of substantially vertical swirl-producing vanes circularly disposed between said trough and said blade ring, a substantially horizontal imperforate baffle disc, means to supply liquid to the upper surface of said baffle disc, said disc be-

ing disposed with its outer edge below the inner edge of said blade ring so that said liquid may



drain through the opening between them while not permitting gases to pass upwardly through it.

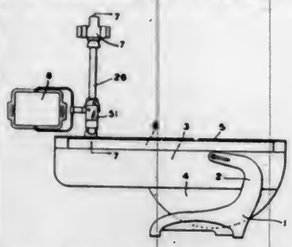
2,259,035
ROSIN PACKAGE
Charles Crum Gillican, Homerville, Ga., assignor, by mesne assignments, to The Glidden Company, Cleveland, Ohio, a corporation of Ohio
Application December 30, 1937, Serial No. 182,584
3 Claims. (Cl. 226—47)



1. The method of packaging rosin comprising introducing rosin into a carton having a paper base as its essential constituent, the inner wall of the carton carrying a coating or impregnation of sodium silicate minimizing the absorption of the rosin by the carton material, the rosin while it is being introduced into the carton being maintained at a temperature between 150° F. and 350° F., and cooling and solidifying the rosin in said carton and closing the same.

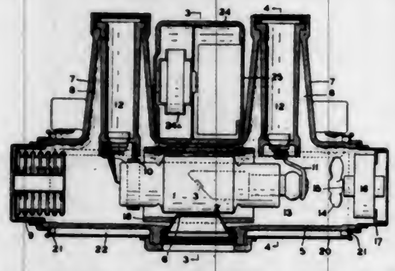
2,259,036
X-RAY APPARATUS
Edwin R. Goldfield, University Heights, and Edward B. Graves, South Euclid, Ohio, assignors to Picker X-Ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio, a corporation of Ohio
Application May 21, 1938, Serial No. 209,316
15 Claims. (Cl. 250—57)

1. Apparatus of the character described, comprising a tilting table, a carrier movably mounted upon said table for adjustment to various positions thereon, an X-ray tube stand including a column supported by said carrier at one side of said table and extending beyond the table face, a fluoroscopic screen unit supported by said column, and a pillar adapted to support an X-ray



tube and pivotally mounted upon said column on a horizontal axis above the table top.

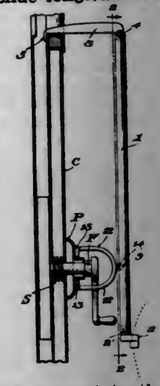
2,259,037
COOLING X-RAY TUBES
Edward B. Graves, South Euclid, Ohio, assignor to Picker X-Ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio, a corporation of Ohio
Application February 23, 1940, Serial No. 320,323
6 Claims. (Cl. 250—89)



1. In combination, a hollow shell provided with a chamber, an X-ray tube mounted in said chamber and spaced from the wall thereof, said shell providing one large liquid-tight chamber adjacent said tube and without external passages, said chamber being filled with a heat conducting electric insulating liquid, an impeller within said chamber for causing motion of said liquid to conduct the heat produced by said tube to the shell wall for dissipation thereby, means mounted on said shell for operating said impeller, a hollow casing enclosing said shell and spaced therefrom to form an annular cavity through which air may flow for absorbing heat from the shell wall and dissipating it by convection, and means mounted on said shell for causing air flow through said cavity.

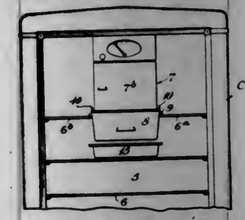
2,259,038
AUTOMOBILE TOOL
Ennis A. Gulley, Winchester, Ind., assignor of one-half to E. Reed Abel, Winchester, Ind.
Application October 17, 1940, Serial No. 361,626
8 Claims. (Cl. 254—131)

5. A tool for removing door and window handles and the like including a lever, means to engage over and rearwardly of the bottom of a window opening or the like movably connected to the lever at one end of the latter, a rigidly formed presser device having means thereon to engage the finishing plate of the handle structure, and rigid means integral with the lever to guidingly receive said presser device and to enable same to slide longitudinally of the lever, to



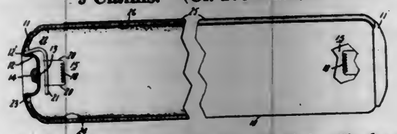
also rotate with respect to the lever and to tilt or rock relative to the lever.

2,259,039
REFRIGERATING APPARATUS
Robert Winter Hull, Connersville, Ind.
Application May 6, 1938, Serial No. 206,455
3 Claims. (Cl. 62—89)



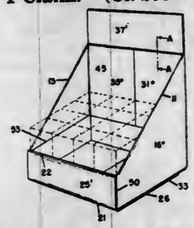
1. In a refrigerator having a food storage compartment with an evaporator therein and one or more shelves on which articles of food may be disposed, a tray providing a storage space in addition to the shelf space for articles of food best preserved in a dry cold atmosphere, means supporting the tray beneath and in close to the evaporator, said tray having substantially closed side walls and a bottom wall which is at least in part of open construction to permit the cold air from the evaporator to circulate downwardly through the tray and maintain the interior of the tray at approximately evaporator temperatures and to also permit free drainage of moisture from the tray, the top open area of said tray approximating the bottom area of the evaporator.

2,259,040
ELECTRIC DISCHARGE LAMP
George E. Inman, East Cleveland, Ohio, assignor to General Electric Company, a corporation of New York
Original application April 22, 1936, Serial No. 75,772. Divided and this application August 6, 1938, Serial No. 223,493
9 Claims. (Cl. 176—122)



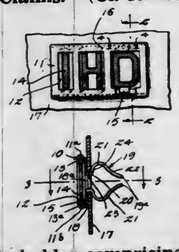
7. The combination of an electric discharge lamp comprising a sealed elongated container, a gaseous atmosphere therein including mercury vapor, widely spaced thermionic electrodes in said container, a layer of fluorescent material surrounding the discharge path between said electrodes, said fluorescent material comprising mainly an oxygenous salt particularly responsive to radiation of 2537 angstroms wave length and means for supplying electrical energy to said lamp, the amount of energy supplied and the construction and arrangement of parts being such that the lamp will consume at least ten watts per foot length of said container and the mercury vapor pressure will remain during operation of the order of several microns.

2,259,041
DISPLAY CARTON
Daniel A. Larkin, Sandusky, Ohio, assignor to The Hinde & Dauch Paper Company, Sandusky, Ohio, a corporation of Ohio
Application January 23, 1939, Serial No. 252,407
1 Claim. (Cl. 206—44)



A blank of rectangular outline adapted to be formed into a carton, said blank comprising front and rear panels interposed with side panels, top closure panels respectively bendably connected to the top edges of the said front, rear and side panels, each of said top closure panels being of rectangular shape and stiff throughout its entire area, and being each of a height equal to half the width of said rear panel, a diagonal bend line from the top edge of each side panel to a point substantially below the top edge of the front panel, said diagonal bend lines running at 45° to said respective top edges, and a bend line across said front panel connecting said points, said front panel being separated from said side panels by full cuts extending from said cross bend line to the top edge, and transversely divided by a second cross bend line at a distance above the first-named bend line equal to the distance of the first-named bend line above the bottom.

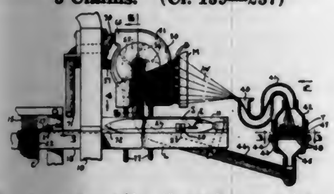
2,259,042
AUTOMOBILE INITIAL HOLDER
Henry Lawrence Moyer, Richmond, Va.
Application November 7, 1939, Serial No. 303,293
5 Claims. (Cl. 40—142)



1. An article holder comprising an upstanding body plate merging at its top into an upwardly.

rearwardly and downwardly directed flange and at its bottom into a downwardly, rearwardly and upwardly directed flange, said flanges coacting with the inner face of said plate to form a pair of oppositely disposed channels for receiving the article to be held, a rear upstanding base plate having the upper and lower lengthwise marginal portions of its forward face secured to the rear side walls of said channels, said front plate being formed with an opening for exposing the article in the holder, a rearwardly extending resilient locking device for the holder secured to said base plate, and said front plate being formed with upper and lower retaining means, for receiving extensions on the ends of the article bordering the upper and lower walls of said opening and each formed of a pair of spaced detents between which the extensions on the ends of the article are positioned.

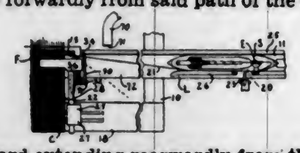
2,259,043
PNEUMATIC THREAD CONTROL SYSTEM FOR LOOMS
Oscar V. Payne, Leicester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application April 15, 1940, Serial No. 329,715
5 Claims. (Cl. 139—257)



1. In a pneumatic thread removing system for a weft replenishing loom having a lay along which a shuttle travels in a given path, the loom having a reserve bobbin from which a weft end extends into the intake mouth of a pneumatic thread holder, and the loom having a thread extending from the selvage of the cloth along said given path of the shuttle, that improvement comprising a pneumatic thread remover having an outlet mouth facing in a direction transverse of the path of the shuttle, a pneumatic pump, pneumatic connections leading from the thread holder to said pump and other pneumatic connections leading from the pump to the thread remover, said pump operating to draw air into the intake mouth of the holder through the first named pneumatic connections to the pump to tension said weft end and blow the air which is drawn into the intake mouth through the second named pneumatic connections away from the pump and out of the outlet mouth of the remover across the path of the shuttle and against the thread attached to the selvage to move the last named thread away from said given path of the shuttle.

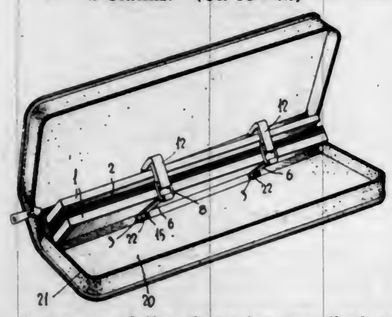
2,259,044
THREAD PLACER FOR CUTTING MECHANISM
Oscar V. Payne, Leicester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Original application April 15, 1940, Serial No. 329,715. Divided and this application March 25, 1941, Serial No. 385,117
6 Claims. (Cl. 139—260)

1. In a pneumatic thread removing system for a loom having a temple and a lay along which a shuttle travels in a given path, the loom having a thread attached to the selvage and extending along said path of the shuttle away from the cloth, the loom having also a thread cutter on the temple adjacent to the selvage having a given range of cutting operations, pneumatic means to direct a blast of air against said thread to move the same forwardly from said path of the shuttle,



and a guard extending rearwardly from the temple over the lay and under the thread and between the cutter and said pneumatic means to position and thread for cutting by the cutter, the blast of air acting on the thread tending to hold that part of the thread between the selvage and the guard taut and within the range of operations of the cutter.

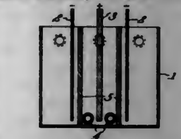
2,259,045
NECKTIE PRESSER
Clarence J. Powell, Charleston, W. Va.
Application December 31, 1940, Serial No. 372,693
2 Claims. (Cl. 38—72)



1. A presser of the character described comprising rigid cover boards each hingedly mounted along an edge thereof with their hinged edges a fixed distance apart, smooth substantially rigid presser leaves disposed between said boards and movable independently of said boards to provide presser spaces of variable number and extent between said leaves and boards, said leaves and boards having registering apertures adjacent the hinged edges of the boards, a guide rod extending through said apertures and beyond the outer faces of said boards, said rod permitting free hinged movement of said leaves and boards while preventing substantial longitudinal movement of said leaves and said rod having means on its end portions to engage and limit the swinging movement of the boards on their hinges, and means for clamping the boards together in substantially parallel relation to apply pressure to articles placed in said presser spaces between said boards.

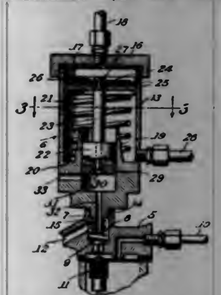
2,259,046
TREATMENT OF SEWAGE BY ELECTRO-DIALYSIS
Lawrence M. Roberts, Bridgewater Township, Somerset County, N. J., assignor to Research Corporation, New York, N. Y., a corporation of New York
Application November 18, 1936, Serial No. 111,499
5 Claims. (Cl. 204—151)

1. In the method of treating sewage involving subjecting the sewage to electro-dialysis in the cathode compartment of an electrolytic cell against sludge separated therefrom in the anode compartment through a diaphragm the step which consists in introducing a gas into the sludge in



the anode compartment during the electrodialysis thereof in quantity only sufficient to produce a mild agitation thereof adjacent the diaphragm.

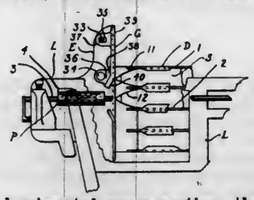
2,259,047
AUTOMATIC FUEL CUTOFF
Archibald J. Scott, Jr., West Warwick, R. I., assignor of one-half to Fred D. Briggs, East Greenwich, R. I.
Application June 6, 1939, Serial No. 277,740
4 Claims. (Cl. 123—196)



1. An automatic fuel cut-off of the character described for internal combustion engines having a fuel supply including a fuel pump and a lubricating system having a pipe line through which the lubricant is circulated under pressure, comprising, a housing adapted to be attached to the fuel pump, means for connecting said housing to one end of the pipe line of the lubricating system, one end of said housing being formed with an inwardly projecting annular member defining a chamber, a vertical shaft movable within said chamber and supporting on one end thereof a piston, the other end of said shaft supporting sealing cup-like members having engagement with the walls of said housing, means within said housing surrounding said annular member for urging said cup-like members and shaft against the pressure of the lubricating system, said housing having a conduit formed in one wall thereof communicating with said chamber for admitting atmospheric air therein, said piston normally maintaining said conduit closed, and means for providing communication between said chamber and the fuel pump to admit air to said fuel pump upon an abnormal decrease of pressure in the lubricating system at the time the said means within the housing will raise said piston to uncover the air admitting conduit of said chamber.

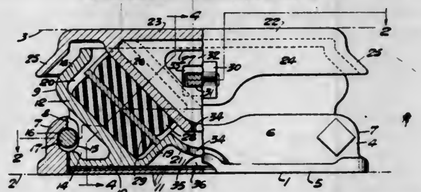
2,259,048
SHUTTLE PLACER
Joseph Stuer, Lawrence, Mass.
Application December 28, 1940, Serial No. 372,125
3 Claims. (Cl. 139—252)

1. The combination in a drop box loom including a frame and battery carried thereby together with a lay which carries a vertically reciprocating drop box with a plurality of shuttle cells, a picker and a drop box guide pierced with an adjusting bolt hole and positioned opposite the outer end of the drop box; of a vertical shuttle guide of L-



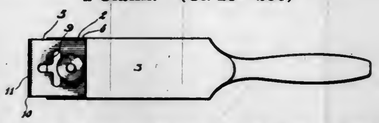
shape in horizontal cross section, the guide having a horizontal adjusting slot; with an adjusting bolt which passes through the slot in the shuttle guide and through the hole in the drop box guide.

2,259,049
SIDE BEARING
Horace G. Swan, East Aurora, and Frederick G. Suckow, Bowmansville, N. Y., assignors to The Symington - Gould Corporation, Rochester, N. Y., a corporation of Maryland
Application September 8, 1939, Serial No. 294,016
20 Claims. (Cl. 308—138)



1. A side bearing, in combination, a housing having spaced inclined walls, peripheral means outstanding from each wall forming pockets, a cap having a bearing plate normally spaced above said housing, inclined walls depending from said bearing plate and being spaced from said peripheral means, and compressed rubber means positioned in said pockets and interposed between said housing and cap inclined walls for resiliently resisting a downward and longitudinal movement of said cap with respect to said housing.

2,259,050
FILE CLEANING DEVICE
Elmer A. Thurston, Davenport, Iowa, assignor to The Cincinnati Tool Company, Cincinnati, Ohio, a corporation of Ohio
Application July 18, 1939, Serial No. 285,113
1 Claim. (Cl. 15—236)



A file cleaning device comprising a backing having a recess therein presenting a shoulder, a rectangular plate of ductile metal removably positioned in the recess with one edge protruding beyond the end of the backing and the opposed edge supported by the shoulder, the said plate having a plurality of interconnected slots therein, and an adjustable fastening element secured to the backing and extending through one of the slots, said slots being constructed and

arranged relative to the shoulder and the end of the backing in such manner that, upon the wearing of any exposed edge, the plate may be reversed to expose the opposed edge, and the worn edge be supported against the shoulder presented by the recess.

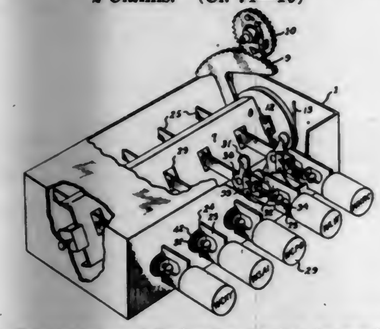
2,259,051

PUSH BUTTON TUNING DEVICE

Howard J. Tyzzer, Cincinnati, Ohio, assignor to The Crosley Corporation, Cincinnati, Ohio, a corporation of Ohio

Original application February 24, 1938, Serial No. 192,258. Divided and this application August 24, 1938, Serial No. 226,520

2 Claims. (Cl. 74—10)



1. In an automobile tuning device, in combination with a mechanism to be tuned, a member pivoted to swing on an axis, a connection between said member and said mechanism, a plunger longitudinally movable transversely to said axis, and means on said plunger for swinging said member to a determined angular position when said means is brought thereagainst, said means comprising a portion of said plunger for engaging said member at one side of its axis, and adjustable means on said plunger for engaging said member at the other side of its axis.

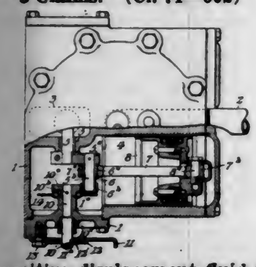
2,259,052

FLUID METER

Joseph C. Woodford, Wayne, Pa., assignor to John Wood Manufacturing Company, Inc., Conshohocken, Pa., a corporation of Delaware

Application December 19, 1939, Serial No. 309,949

3 Claims. (Cl. 74—602)



1. In a positive displacement fluid meter having a casing containing a piston cylinder and a piston mounted to reciprocate in said cylinder; the combination with a crank-shaft having an eccentric pin for effecting reciprocation of said piston; of an eccentric bushing sleeve mounted to be turned on said pin and having a cylindrical outer surface in eccentric relation to the axis of said pin; a piston rod pivotally connected with said piston and with said bushing sleeve; a gear on one end of said bushing sleeve in concentric relation with the axis of said crank pin; a normally stationary shaft, in axial alignment with said crank-shaft, and having a gear rigidly mounted thereon and in mesh with said first gear; means at the outer end of said normally stationary shaft for turning it and thereby varying the eccentricity of the axis of said bushing sleeve with respect to the axis of said crank-shaft, including a key plate operatively engaging the outer end of said normally stationary shaft, a lever loosely mounted on the latter shaft, and a clamping screw carried by said lever and engaging said plate; and means for securing said lever in adjusted position in rigid relation with said casing.

2,259,053

LIMITER

Constantine P. Xenis, Little Neck, Long Island, N. Y.

Application June 6, 1939, Serial No. 277,741

8 Claims. (Cl. 200—133)



7. A limiter including an integral section having cable receiving terminals, an intermediate section of relatively reduced width adjacent each of the terminals and of relatively increased width intermediate the portions of reduced width, a heat resisting housing formed with an internal bore corresponding to the external diameter of the terminals, said housing being divided longitudinally into sections for convenient application and having a length at least equal to that of the intermediate section of the limiter, the internal wall of the housing having spaced inwardly extending partitions disposed respectively adjacent the ends of the portion of increased width of the intermediate section, the abutments defining an annular channel surrounding the portion of increased width and dividing such annular channel from the remaining length of the bore of the housing.

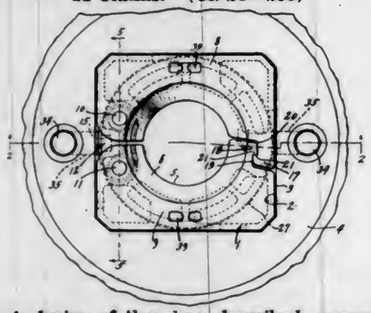
2,259,054

SLIP BUSHING

Forrest J. Young, Los Angeles, Calif., assignor to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application March 22, 1940, Serial No. 325,371

11 Claims. (Cl. 24—263)



1. A device of the class described, comprising in combination a pair of complementary segments adapted to define a central opening to receive pipe engaging elements, a link member pivotally connected to each segment near one end so that their free ends may swing horizontally to and from a position to encircle a pipe, the axes of said pivotal connections being substantially equidistant from the axis of the pipe, and interengaging means formed integral with the free ends of said segments adapted to prevent separation of said segments when the pipe engaging elements are in operative position.

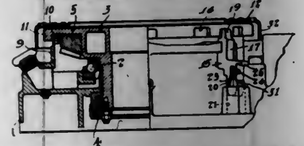
2,259,055

ROTARY MACHINE

Lewis E. Zerbe, Moneta, and Forrest J. Young, Los Angeles, Calif., assignors to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application October 3, 1939, Serial No. 297,688

12 Claims. (Cl. 255—23)



1. In a rotary machine, the combination of a base, a table rotatably mounted on the base, a locking element carried on the table, a pawl supported on the base and adapted to engage said locking element to prevent rotation of the table in one direction, said pawl being adapted for pivotal movement in a plane positioned substantially at right angles to the plane of rotation of the locking element, and cooperating means on the table and the pawl adapted to cause the pawl to pivot away from the table upon rotation of the table in the other direction.

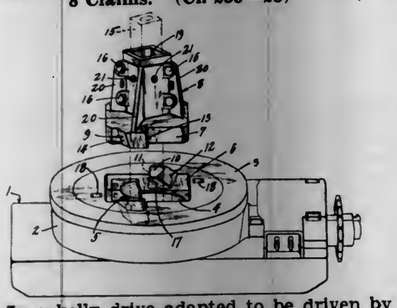
2,259,056

ROTARY MACHINE

Lewis E. Zerbe, Moneta, Calif., assignor to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application December 27, 1938, Serial No. 247,755

8 Claims. (Cl. 255—23)



1. In a kelly drive adapted to be driven by a rotary member, the combination of a bushing adapted to be received in driving engagement by said rotary member, said bushing and rotary member having driving faces, each of said driving faces having a substantially upright inclined surface arranged so that driving contact between said driving faces produces a downward force on said bushing, and means to resist said downward force including inclined companion surfaces on said bushing and rotary member, each of said companion surfaces being inclined in the same direction as said driving faces and being disposed on a greater angle from the vertical than the angle of said inclined driving faces.

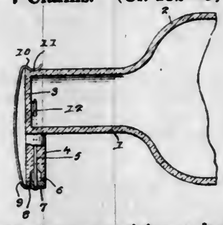
2,259,057

HAIR AND SCALP TONIC APPLICATOR

John A. Zimmerla, Cumberland, Md.

Application April 28, 1941, Serial No. 390,833

7 Claims. (Cl. 132—9)



1. An applicator comprising a hollow body integral with a container for receiving its contents, parallel tubular discharge members secured to the body at its outer end for passage of the contents therethrough, said discharge members being arranged at an angle with respect to the body, the major portions of the bores of the discharge members being of relatively small diameter, and the outlet ends of said discharge members being counterbored.

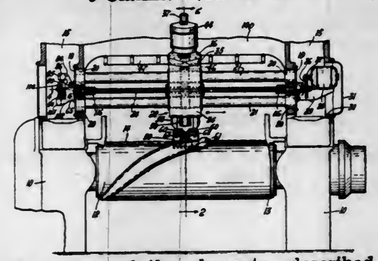
2,259,058

MIXING MILL

Raymond W. Allen, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application September 29, 1939, Serial No. 297,061

9 Claims. (Cl. 18—2)



1. In a mill of the character described, the combination of a scraper blade engageable with one of the mill rolls, a reversible feed screw having operative connection with the said blade for impelling it edgewise back and forth along the mill roll, a cam shaft, means for oscillating the latter through the agency of the reverse rotation of the feed screw, a second feed screw having operative connection with the scraper blade for raising and lowering it relatively of the mill roll, a reversible electric motor driving said second feed screw, a reversing starting switch in the electric circuit of said motor, said circuit including a torque-limit relay for stopping the motor, and cam means on the cam shaft for operating said starting switch after the first mentioned feed screw has made a determinate number of revolutions in either direction.

2,259,059

CHAIN ORNAMENT

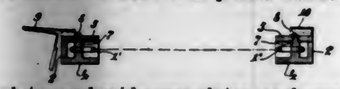
Adolph Better, New York, N. Y., assignor to Reinad Novelty Co., Inc., New York, N. Y.

Application July 10, 1941, Serial No. 401,724

6 Claims. (Cl. 63—4)

1. An ornament composed of a plurality of parallel, flexible linkages and end pieces, each

end piece having a base plate and a cover plate secured parallel thereto at a distance allowing for the thickness of said linkages, a plurality of pegs secured in said end pieces between said



base plates and said cover plates, each one of said pegs passing through an end link of one of said linkages, and means for releasably locking said end pieces to one another.

2,259,060

BALL

William T. Brown, Short Hills, N. J., assignor to A. G. Spalding & Bros. Inc., Chicopee, Mass., a corporation of Delaware

Application March 19, 1940, Serial No. 324,748
4 Claims. (Cl. 273—62)

1. A resilient playing ball, at least ninety-five



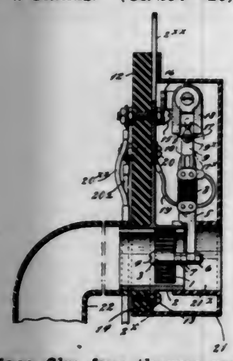
percent of the weight of the same being of exactly the same specific gravity, said ball including a plurality of members, one of said members being a cover and one of said members being a winding of a filament containing neoprene, rubber and blanc fixe, said filament being shaped, tensioned, and wound in such a manner that the winding, consisting of said stretched filament and interstices, possesses exactly the same specific gravity as the cover.

2,259,061

THERMORESPONSIVE DEVICE

Pierre L. Caffier, Brooklyn, N. Y.

Application July 30, 1937, Serial No. 156,428
2 Claims. (Cl. 297—16)



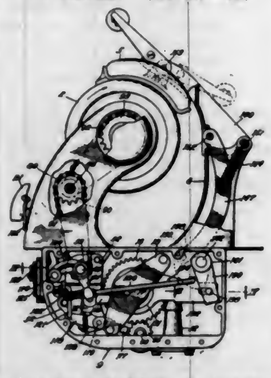
1. A surface film-free thermo-responsive element reacting to variations in temperature of air at atmospheric pressure, comprising a spiral bimetallic spring having closely wound convolutions, a device operatively connected to and adapted to be thrown into action by said element, a tubular wall surrounding the spring and spaced therefrom approximately the same distance as the spacing between the convolutions, and means for causing a continuous air stream of high velocity to pass in direct and intimate contact with all the surfaces of the spring transversely thereof.

2,259,062

IRONER ROLL RELEASE

John A. Castricone, Peoria, Ill., assignor to Altorfer Brothers Company, Peoria, Ill., a corporation of Illinois

Application January 13, 1938, Serial No. 184,821
11 Claims. (Cl. 38—61)



9. In an ironing machine, an ironer roll; a cooperating ironing shoe; a motor; a clutch; manual control means for said clutch; rotary power transmission means adapted to be driven by said motor and to impart rotary movement to said ironer roll at certain times during the operation of the machine; oscillatory power transmission means adapted to be driven by said motor and to impart successive to-and-fro partial rotations to said ironer roll at certain times during the operation of the machine; a selector clutch whereby driving connection may alternately be established between either of said power transmission mechanism and said ironer roll to impart either constant rotary movement or oscillatory movement to said ironer roll; and means responsive to the operation of aforementioned manual clutch control means to move said selector clutch to a neutral position such that said ironer roll will be disengaged from mechanical connection with either of said power transmission mechanisms, and free from manual rotation.

2,259,063

COMPLEX DIARYL GUANIDINE METAL SALT ADDITION COMPOUNDS AND PREPARATION THEREOF

Arnold R. Davis, Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application August 3, 1940, Serial No. 351,156
6 Claims. (Cl. 260—429)

1. The complex addition compounds of a diaryl guanidine and a salt of the group consisting of the chlorides and sulfates of zinc, aluminum, cadmium and tin.

2,259,064

PREPARATION OF COMPLEX DIARYL GUANIDINE METAL SALT ADDITION PRODUCTS

Arnold R. Davis, Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application August 3, 1940, Serial No. 351,157
4 Claims. (Cl. 260—429)

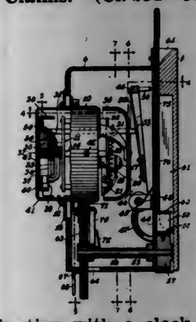
1. The process of preparing complex addition compounds of a diaryl guanidine and a metal salt of the group consisting of the chlorides and sulfates of zinc, aluminum and cadmium and the chlorides of tin which comprises, dissolving the metal salt in water, adding the diaryl guanidine in solid form thereto, and heating the mixture to fusion.

2,259,065

WATCHMAN'S CLOCK

Adolph C. Erisman, Port Richmond, and Michael C. Smith, Elmhurst, N. Y.

Application November 14, 1939, Serial No. 304,286
16 Claims. (Cl. 234—37)



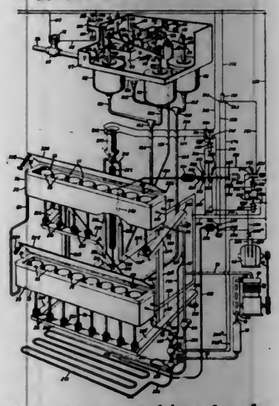
1. In combination with a clock works having energizing means and means for limiting each operation of said clock works to a definite period of time, means actuated concurrently with the operation of said energizing means for recording each operation of the clock works.

2,259,066

REFRIGERATING MACHINE

Donald H. Gaston, Evansville, Ind., assignor to General Electric Company, a corporation of New York

Application June 16, 1938, Serial No. 214,090
43 Claims. (Cl. 62—4)



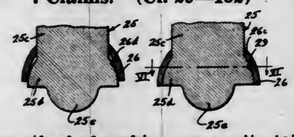
1. A refrigerating machine for freezing successive quantities of material and automatically ejecting the material therefrom when frozen comprising in combination a mold adapted to contain a material to be frozen, means for freezing the contents of said mold, and means including a reciprocable plunger in said mold and a thermally responsive element associated with said mold and arranged for causing operation of said plunger, said element being responsive to the temperature of said mold for initiating the ejection of the frozen material from said mold.

2,259,067

COMPOSITE JOINT STUD AND METHOD OF MAKING SAME

George H. Hufferd and Matthew P. Graham, Detroit, Mich., assignors to Thompson Products Incorporated, Cleveland, Ohio, a corporation of Ohio

Application May 18, 1939, Serial No. 274,327
7 Claims. (Cl. 29—152)



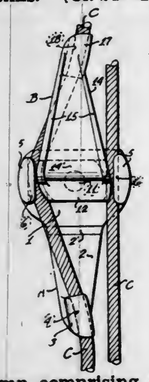
1. The method of making composite joint studs which comprises fabricating a stud body having a shank portion and a segmental spherical head portion converging into said shank portion, coining a flat sheet of metal into segmental spherical shape having an aperture therethrough, inserting the shank of the stud body through said aperture of the coined member and welding the coined member to the segmental spherical head of the stud body.

2,259,068

CABLE CLAMP

George McD. Johns, Sappington, Mo., assignor to Smithjohns, Inc., Sappington, Mo., a corporation of Missouri

Application December 16, 1940, Serial No. 370,279
9 Claims. (Cl. 24—134)



4. A cable clamp comprising a pair of rockably connected jaws channeled for eccentrically gripping a cable therebetween upon relative rotation with respect to each other, and means including arms on said jaws and channeled wings on the arms engageable with the cable for retaining the jaws in cable-gripping position when the cable is under tension.

2,259,069

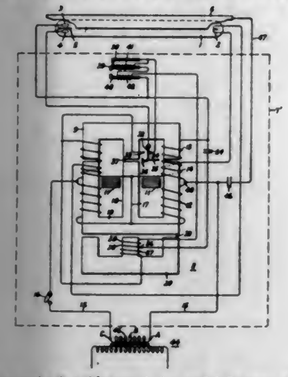
ELECTRIC DISCHARGE APPARATUS

Richard C. Kelting, Orange, N. J., assignor to General Electric Company, a corporation of New York

Application November 20, 1940, Serial No. 366,421
2 Claims. (Cl. 176—124)

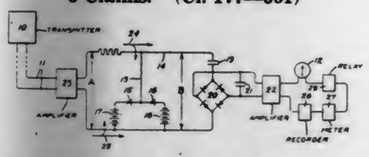
1. In combination, an electric discharge lamp comprising an enclosing envelope having a

cathode and a plurality of anodes therein, a step-up auto-transformer having the ends of its secondary arranged to be connected each with one of said anodes and its mid-point with said cathode, means for preheating said cathode, time delay means for applying a starting voltage between one of said anodes and said cathode, a re-



flector supported adjacent to said lamp and subject to cause premature starting thereof by capacitive action therewith and means for preventing said premature starting of said lamp comprising a capacitor operatively connected between said reflector and that end of the primary of said transformer whose voltage is nearer to that of the other of said anodes.

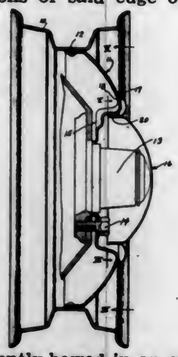
2,259,070
TELEMETERING RECEIVER
Eduard Krochmann, Grunau, Germany, assignor to General Electric Company, a corporation of New York
Application August 14, 1940, Serial No. 352,612
In Germany June 16, 1939
3 Claims. (Cl. 177—351)



1. In a system in which an alternating current varies in frequency, receiving apparatus for producing a direct current proportional to such variation in frequency comprising a condenser connected in series with a full wave rectifier and means for by-passing current around the condenser and rectifier only after the condenser has been charged to a predetermined voltage by each half-wave of the current.

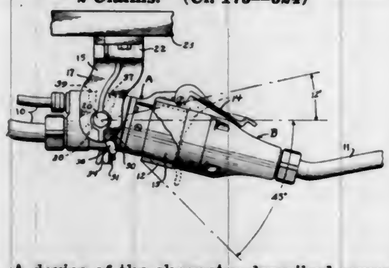
2,259,071
WHEEL STRUCTURE
George Albert Lyon, Allenhurst, N. J.
Application November 2, 1938, Serial No. 238,300
2 Claims. (Cl. 301—108)

1. In combination, a wheel including a central metallic shell part and a cover part detachably mounted thereon, said parts including telescoping portions with circularly arranged spacing means on one of said portions formed to separate said portions through a substantial part of their respective lengths with said telescoping portions in contact only at said spacing means, said cover part having its telescoping portion formed into a circular edge engageable with the exposed surfaces of the spacing means that upon said cover part being pressed in an axial direction onto said shell part alternate portions of said edge are resiliently bowed between the spacing means and the other portions of said edge of the spacing



means are resiliently bowed in an opposite direction whereby to wedge and detachably retain said cover part on said shell part solely by reason of said resilient bowing of said edge between said spacing means, said circular edge extending rearwardly and being slightly turned radially outwardly into a double thickness of metal to resist permanent indentation.

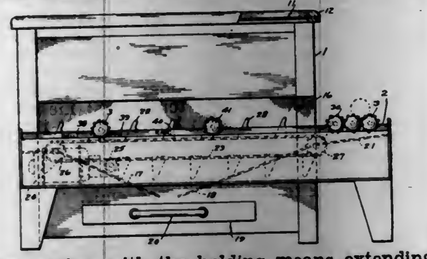
2,259,072
ELECTRICAL CONNECTOR
Thomas E. McDowell, Oak Park, Ill., assignor to The Pyle-National Company, Chicago, Ill., a corporation of New Jersey
Application April 29, 1940, Serial No. 332,209
2 Claims. (Cl. 173—324)



1. A device of the character described comprising an elongate structure arranged at one end for removable connection with a companion connector, a rotatable yoke member straddling said structure, trunnions supporting the structure on the yoke for tilting movement, oppositely extending springs anchored on said yoke with their free ends disposed adjacent said trunnions, and projections carried by said trunnions arranged to respectively engage and deflect said springs upon tilting movements of the structures from a normal position.

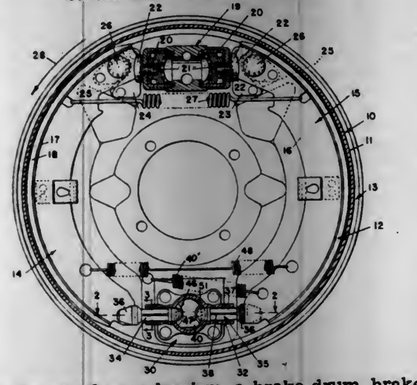
2,259,073
AUTOMATIC BROILER
Louis E. McGlaughlin, New York, N. Y.
Application July 3, 1940, Serial No. 343,840
13 Claims. (Cl. 53—5)

1. A broiler comprising a housing having a burner with a substantially unobstructed horizontal opening adjacent the burner, and holding means conveying products to be broiled through



the opening, with the holding means extending through a continuous opening in the side wall of the housing.

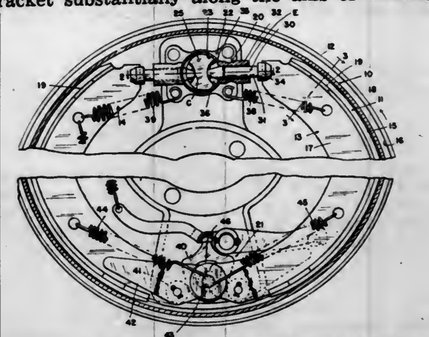
2,259,074
BRAKE MECHANISM
Frank L. Main, Birmingham, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application November 16, 1936, Serial No. 111,123
25 Claims. (Cl. 188—79.5)



1. In a brake mechanism, a brake drum, brake shoes supported within said drum for movement circumferentially of the drum and having the ends at one side of the drum spaced from each other, an adjustment device for the shoes, said device having a wedge supported between said ends of the shoes for movement circumferentially of the drum as a unit with the shoes the extent required for the full torque to be transferred through the wedge from one shoe to the other and having means effective upon axial movement of the wedge in one direction to differentially adjust the shoes, and means accessible from a point exteriorly of the drum for axially moving said wedge.

2,259,075
BRAKE MECHANISM
Frank L. Main, Birmingham, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application March 8, 1937, Serial No. 129,726
11 Claims. (Cl. 188—79.5)

2. In a brake mechanism, a brake drum, brake friction means supported within the drum for movement radially of the drum and having spaced ends, an adjustment device for the friction means including a bracket supported between the ends of the friction means for rocking movement about an axis substantially parallel to the axis of the drum, a member supported on the bracket and adjustable relative to the bracket substantially along the axis of rocking



movement of said bracket, and means carried by the bracket and operatively connecting said member to the ends of the friction means to adjust said ends upon movement of the member relative to the bracket.

2,259,076
COWL FASTENER
Roscoe I. Markey, East Orange, N. J., assignor to Pollak Manufacturing Company, Arlington, N. J., a corporation of New Jersey
Application July 25, 1940, Serial No. 347,376
10 Claims. (Cl. 24—221)

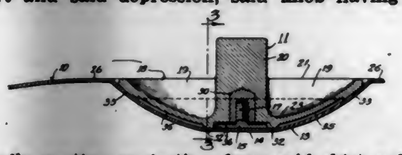


8. A device of the character described having in combination, a pair of cowl parts to be connected together, a headed stud carried by one of said cowl parts, said stud and its head being freely mounted in said cowl part, a cross member secured to the end of said stud opposite said head, the other of said cowl parts being provided with an opening, said opening being of sufficient size to permit said cross member passing therethrough, a resilient member formed of wire, and substantially U-shaped in plan view, said resilient member extending across said opening, the ends of its legs being secured to said second mentioned cowl part at one side of said opening and the closed portion of said U-shaped member extending beyond the opposite side of said opening, the free portion of said resilient member being out of the plane of said second mentioned cowl part, and said cross member on said stud being adapted to pass through and to co-operate with said resilient member to detachably secure said cowl parts together, and a reinforcement member interposed between said resilient member and its cowl part.

2,259,077
LID KNOB
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application June 15, 1939, Serial No. 279,275
3 Claims. (Cl. 16—121)

1. In a support having a depression, a knob of heat insulating material formed for securement

to said depression, said knob having a skirt shaped in general conformity with said depression, said skirt having spaced apart portions engageable with said depression, the intervening space affording heat insulation between said skirt and said depression, said knob having a



handle portion projecting from said skirt sufficiently to enable said handle to be firmly grasped between the thumb and finger, said skirt terminating substantially at the rim of said depression when said knob is secured in said depression.

2,259,078

COPPER-ZINC ALLOY

Wolf Johannes Müller and Moritz Niessner, Vienna, Germany, assignors to Aktiengesellschaft Dynamit Nobel, Pressburg, Slovakia, a company of Czechoslovakia

No Drawing. Original application June 25, 1938, Serial No. 215,856. Divided and this application March 13, 1941, Serial No. 383,154. In Austria July 21, 1934

1 Claim. (Cl. 75—155)

A corrosion-resistant copper-zinc alloy which is workable in the cold state, comprising copper in an amount of 30 to 45%, at least one metal of the group cobalt and nickel in an amount of 3 to 12%, manganese in an amount of 4 to 15%, iron 0.5 to 1.5%, and in a small but effective amount which is capable of increasing the corrosion-resistance of the alloy, chromium up to 3%, the zinc constituting substantially all the remainder.

2,259,079

CREEL MECHANISM OF WARPING FRAMES

Wilhelm Reiners, Walter Reiners, and Gustav Kahlisch, Gladbach-Rheydt, Germany, assignors to W. Schlafhorst & Co., Gladbach-Rheydt, Germany, a corporation of Germany

Application November 26, 1938, Serial No. 242,520
In Germany January 14, 1938
10 Claims. (Cl. 242—131)



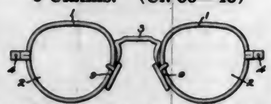
1. In a knotter for use with a creel having supply packages of thread arranged in a panel of tiers and rows, and tensioners to guide and tension the thread feeding from the supply packages and to hold the exhaust end of said thread, the tensioners being opposite the packages in similar arrangement and spaced therefrom to form a passage; a knotter unit comprising knotters mounted in a row in spaced relation on a support, the number and spacing of the knotters corresponding to the number and spacing of the tiers of packages and tensioners; means mounting said knotter support to travel sideways through the passage across the rows of packages and tensioners, in such position and direction that each knotter passes along a corresponding tier of the packages and tensioners; means for bringing together at each knotter, as it reaches in its travel a new row of packages and tensioners, the ends of the exhaust thread and supply thread of its tier; and means for actuating said knotters to tie said thread ends.

2,259,080

NOSE PAD OR GUARD FOR EYEGLASSES, SPECTACLES, AND THE LIKE

Ernest A. Ring, Providence, R. I., assignor of one-half to Francis M. Blakeney, East Providence, R. I.

Application February 7, 1940, Serial No. 317,709
5 Claims. (Cl. 88—48)



1. In eyeglasses, spectacles and like optical articles having a frame including a nose piece, a nose pad or guard having a basal element secured to the nose piece, and having a skin-contacting-in-use, tightly applied, laminated covering of polyvinyl acetal resin constituting a self-cushioning, plastic material that is very markedly self-cushioning in comparison with commercial zylonite and Celluloid, and, because of its said composition, being devoid of the generally recognized objections to rubber as a skin-contacting substance, said applied plastic material being tightly and permanently adherent to the said basal element and being, because of its said composition, inherently responsive to the body heat at the place of skin-contact in use, so as in use substantially to self-mold or self-cushion itself to the nose contour or nose formation of the wearer, said applied covering being strongly resistant against deterioration emanating from contact with the skin in the use of the said eyeglasses, spectacles and the like.

2,259,081

NOSE PAD OR GUARD FOR EYEGLASSES, SPECTACLES, AND THE LIKE

Ernest A. Ring, Providence, R. I., assignor of one-half to Francis M. Blakeney, East Providence, R. I.

Application February 13, 1940, Serial No. 318,700
4 Claims. (Cl. 88—48)



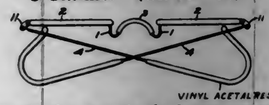
1. In eyeglasses, spectacles and like optical articles having a frame including a nose piece, a nose pad or guard having a basal element secured to the nose piece, and having permanently and tightly adherent thereto a laminated covering composition of polyvinyl acetal resin very markedly self-cushioning in comparison with commercial zylonite and Celluloid, and, because of its said composition, being devoid of the generally recognized objections to rubber as a skin-contacting substance, the said covering composition as applied to the said basal element consisting of a series of laminations of polyvinyl acetal resin, all finally completely bonded together while plastic under pressure, the laminations of the said series including two laminations at the opposite faces respectively of said basal element and another lamination encircling the perimeter of said basal element between said two laminations, the said covering being, because of its said composition, inherently responsive to the body heat of the area of skin-contact with the nose of the wearer, so as substantially to self-mold or self-cushion itself to the nose contour or nose conformation of the wearer, and also being strongly resistant to deterioration from such contact with the skin of the wearer, and being non-sticky in use.

2,259,082

COATED TEMPLE BOW

Ernest A. Ring, Providence, R. I., assignor of one-half to Francis M. Blakeney, East Providence, R. I.

Application July 11, 1940, Serial No. 344,865
5 Claims. (Cl. 88—52)



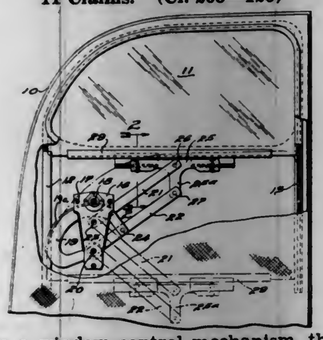
1. A temple for spectacle bows composed of a rod or strip-like, slender, metallic, very flexible core and an applied, tightly adherent, covering very flexible in its applied position as a unit with said core and extending throughout at least a prolonged continuous portion of the said core, said covering being composed of polyvinyl acetal resinous material applied to said core and very tightly compressed and compacted about said core and constituting, as so applied, compressed and compacted, a self-cushioning plastic material, said covering of polyvinyl acetal resin being, because of its said composition, inherently responsive to the body heat at the place of use, so as to adapt itself to the shape of the wearer's head formation at the area of use and being strongly resistant to deterioration from such contact in use, and because of its said composition being non-sticky in use.

2,259,083

WINDOW REGULATOR

John H. Roethel, Detroit, Mich., assignor to Marvel Equipment Corporation, Detroit, Mich., a corporation of Michigan

Application March 27, 1937, Serial No. 133,339
Renewed November 15, 1939
11 Claims. (Cl. 268—126)



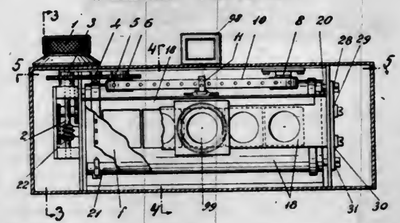
1. In a window control mechanism, the combination of a swinging regulator arm having a pair of vertically opposed rollers mounted thereon, and a guide member adapted to be secured to the lower edge of the window and comprising opposed relatively yieldable tracks held under compression between said rollers.

2,259,084

HAND CAMERA FOR THE PRODUCTION THEREWITH OF SMALL-SIZED PHOTOGRAPHS IN SERIES

Walter Rosenhaft, Rome, Italy

Application March 20, 1939, Serial No. 262,866
In Italy March 28, 1938
2 Claims. (Cl. 95—37)



1. A hand-camera for producing series of small-sized photographs, arranged in horizontal rows and vertical lines on a sensitive support by using a horizontally movable lens and a vertically movable quadrangular sensitive support, comprising means for the alternating horizontal movements of the lens holder, means for the periodical vertical movement of the sensitive support, means for suspending the horizontal movements of the lens holder during the vertical movement of the sensitive support, means for the exposure of the single fields of the sensitive support while protecting the other fields, light-tight means for the introduction and the discharge of the sensitive support and guide means for bending the sensitive support by 180° approximately on a horizontal middle line of the said support.

2,259,085

UREA-PHENOLIC BAKING LACQUER AND PROCESS OF MAKING SAME

John B. Rust, Verona, N. J., assignor to Ellis-Foster Company, a corporation of New Jersey

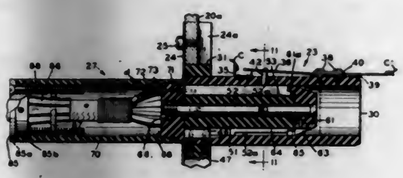
No Drawing. Application August 29, 1940, Serial No. 354,666
4 Claims. (Cl. 260—45)

1. Process of making a clear resinous composition which comprises heating at reaction temperature a mixture containing urea, biuret, a phenol, aqueous formaldehyde solution and a solvent miscible with the reaction mixture for about 10 minutes until partial reaction occurs, adding an acid catalyst and continuing heating until substantially all formaldehyde has reacted and finally distilling off water to produce a substantially anhydrous composition: the weight of urea varying from 1 to 10 times the weight of the phenol as the weight of biuret is varied from 0.1 to about 2.5% of the weight of the urea and the minimum weight of 37½% formaldehyde solution being calculated from the formula:

$$F=\left(9.3-\frac{254B}{U+B}\right)(U+B+P)-11.2P$$

where F is weight of said formaldehyde solution, U is weight of urea, B is weight of biuret, and P is weight of the phenol.

2,259,086
SWITCHBOARD PLUG AND JACK STRUCTURE
Joseph Schmid, New York, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application January 6, 1940, Serial No. 312,679
8 Claims. (Cl. 178—75)

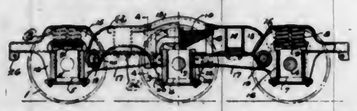


1. Switchboard plug and jack structure comprising a supporting framework, a jack comprising a shell having one end thereof secured to the supporting framework and forming the front opening of the jack for receiving a plug, a plurality of circuit-controlling contact members mounted on the outer surface of said jack shell and spaced around the periphery of said shell, said shell having apertured portions therein adjacent to said contact members, said contact members having contact elements projecting through said apertured portions into the interior of said shell and movable within said apertured portions, a plug comprising a body of insulating material adapted to be inserted in said jack shell, said plug body having a plurality of longitudinally extending slots in the outer surface thereof and spaced around the periphery of said body, conducting bars disposed in said slots and means for securing said bars in place, the spacing of said bars around the periphery of the plug body corresponding to the spacing of the contact elements around the periphery of said jack shell whereby when the plug is inserted a predetermined distance into the jack the various conducting bars will engage the various contact elements, respectively, to connect circuits through the plug and jack.

2,259,087
PROCESS FOR THE TREATMENT OF HIDES AND SKINS
Friedrich Schmitt, Chemnitz, Germany, assignor to American Hyalsol Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 28, 1939, Serial No. 259,005. In Germany February 28, 1938
15 Claims. (Cl. 149—2)

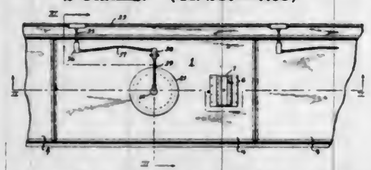
1. A process for the preparation of hides and skins for tanning whilst preserving the hairs characterised in that the hides and skins are first subjected to an alkaline soaking at a pH value betweent 8 and 11.8 and are then treated in an alkaline liming bath in presence of such fatty alcohol sulphuric acid esters as are easily soluble in water even in the form of their alkaline earth salts, the effective strength of the soaking solution and liming bath being insufficient either singularly or collectively to destroy the root hairs, and said esters being employed in an amount which has a dissolving action on intercellular albuminous material sufficient to effect together with the liming treatment the loosening of the root hairs.

2,259,088
RAILWAY TRUCK
William M. Sheehan, Philadelphia, Pa., and James C. Travilla, Jr., University City, Mo., assignors to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Application April 10, 1939, Serial No. 267,092
8 Claims. (Cl. 105—195)



1. In a railway truck, end and intermediate wheeled axles, journal boxes thereon, a load-receiving center frame having pedestals for slidably receiving the journal boxes of the intermediate wheeled axle, end frames movable relative to said center frame and having pedestals for the journal boxes of other wheeled axles, and having arms extending inwardly from the ends of the truck past the ends of said center frame and having pivotal connections thereto for supporting said center frame, and springs supporting said end frames from all of said axles independently of said center frame.

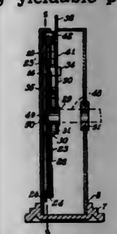
2,259,089
LIGHTING AND VENTILATING PANEL
Edward A. Sipp, Oak Park, and George K. Raider, Chicago, Ill., assignors to The Pyle-National Company, Chicago, Ill., a corporation of New Jersey
Application December 30, 1939, Serial No. 311,954
2 Claims. (Cl. 240—7.35)



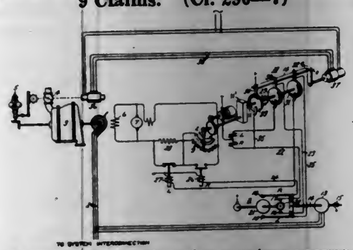
1. In a wall structure, a movable section comprising a facing panel, a backing panel rearwardly spaced from the facing panel, means hingedly supporting said panels for independent and unitary swinging movements, said panels having openings therein for the passage of a ventilating fluid through the section, and the facing panel having a window, light producing means supported between said panels for illuminating the space on the forward side of the facing panel through said window, an electric circuit conductor connected to the light producing means, said conductor having a portion extending generally along and adjacent to the hinge line of the panels, and means anchoring the ends of said portion, whereby deformation of the conductor during hinged movements of the panels is confined mainly to twisting.

2,259,090
REGISTERING MECHANISM FOR COIN BANKS
William Tamoschat, New York, N. Y., assignor to David H. Zell, Brooklyn, N. Y.
Application May 29, 1939, Serial No. 276,345
3 Claims. (Cl. 235—133)

1. In registering, mechanism a registering disk having peripherally spaced teeth, a manually movable operating member, an actuating pawl pivotally mounted on said member and having a part adapted to be positioned for engagement with one of said teeth to impart a step rotation to said registering disk in the movement of the operating member, a second registering disk concentrically related to the first named disk and having circumferentially spaced relatively yieldable parts, said tooth engaging part of the actuating pawl having a recess normally receiving the said spaced parts of the second named disk, and means on said first named disk adapted to coact with one of said resiliently yieldable parts, after a predetermined number of step rotations of the first named disk, to position said part for effective engagement by said pawl to impart a concurrent step rotation to the second named disk.

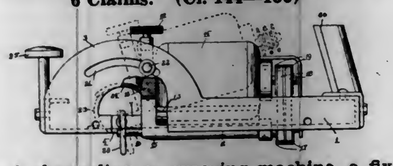


2,259,091
REGULATOR SYSTEM
Louis W. Thompson and Selden B. Crary, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application August 10, 1940, Serial No. 352,090
9 Claims. (Cl. 290—7)



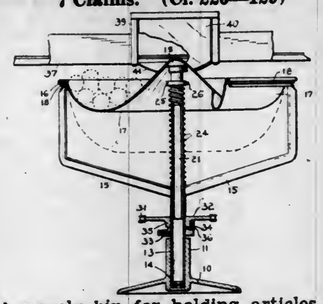
1. A regulating system for a prime mover driven synchronous generator comprising, in combination, an automatic rheostat voltage regulator, means for automatically limiting voltage lowering action of the rheostatic element of said regulator to a predetermined value, and means responsive to the generator load for varying said predetermined lower limit value inversely with the generator load.

2,259,092
CHANNELING OR GROOVING MACHINE
Henry L. Trebert, Canandaigua, N. Y.
Application January 23, 1939, Serial No. 252,387
6 Claims. (Cl. 144—136)



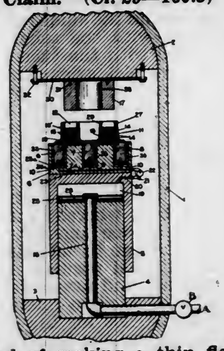
6. A channeling or grooving machine, a fixed sole at the bottom of the machine for movable support of the machine or movement of the work on the sole relative thereto, said sole having an elongated opening therethru extending longitudinally thereof in the direction of the movement of the machine or the movement of the work on the sole, a frame pivotally mounted on the machine for swinging movement relative to said sole, a spindle mounted to rotate in said frame and with said frame adjustable for angular movement in a vertical plane in said opening of said sole, and a cutter carried by said spindle substantially at the center of rotation of said frame on the machine.

2,259,093
SUPPLY BIN
Walter Lowell Waggoner, Wenatchee, Wash., assignor to Brogdex Company, Pomona, Calif., a corporation of Florida
Application October 6, 1939, Serial No. 298,341
7 Claims. (Cl. 226—129)



1. A supply bin for holding articles such as fruit and the like, comprising a bag made of flexible material and arranged to surround the fruit, means for holding the outer margin of said bag at a predetermined level, and vertically movable means for holding a central portion of said bag at different levels relative to that of said outer margin.

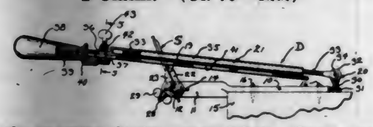
2,259,094
METHOD FOR MAKING BODIES OF COMPACTED POWDERED MATERIAL
Samuel K. Wellman, Cleveland Heights, Ohio, assignor to The S. K. Wellman Company, Cleveland, Ohio, a corporation of Ohio
Application January 9, 1939, Serial No. 249,899
1 Claim. (Cl. 29—160.5)



The method of making a thin flat briquette composed of powdered materials which are predominantly metallic and which, when compressed to form the briquette, impart to the briquette a tendency to expand along its major dimensions

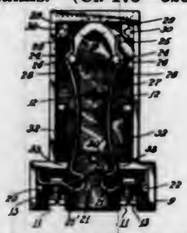
when the compacting pressure under which it is formed is released, said method comprising the steps of: providing a mold having a continuous and unjointed peripheral cavity wall and two mutually opposite walls both of which are disposed transversely to the peripheral cavity wall and one of which is movable toward the other to exert pressure on powdered metallic material surrounded by the peripheral wall; charging the aforesaid powdered material into the mold cavity to form therein a layer which may be compressed to the desired thickness between said opposite walls; moving one of the opposite mold walls toward the other and pressing with a pressure of more than a 1000 lbs. per square inch the powdered material within the mold to press the latter against the peripheral cavity wall and to compact and form it into a coherent briquette; continuously clamping at least the peripheral portions of the briquette between the said opposite walls of the mold under a positive pressure sufficiently great to prevent substantial expansion of the peripheral boundary of the briquette when the said peripheral cavity wall has been removed from restraining contact with the periphery of the briquette, said clamping pressure being not less than about 1,000 pounds per square inch and not more than the compacting pressure used in forming the briquette; effecting removal of the said unjointed peripheral cavity wall from all restraining contact with the periphery of the briquette while the latter is continuously clamped as aforesaid, by displacing the peripheral cavity wall parallel to the thickness of the briquette; and thereafter releasing said briquette from said clamping pressure to allow it to expand.

2,259,095
BLADE SHARPENER
Venry Aiello, Sr., Kenosha, Wis., assignor of one-third to Arthur K. Slack, Kenosha, Wis.
Application January 30, 1939, Serial No. 253,466
1 Claim. (Cl. 76—82.2)



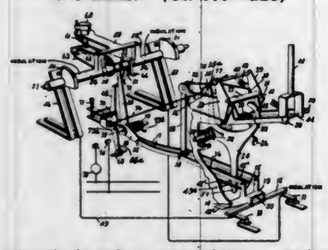
A sharpening device comprising, a frame, means for securing the frame to a support, a supporting rod connected to the frame, a guide rod pivotally secured to the supporting rod, a guide tube reciprocally mounted on the guide rod, an operating handle connected with the tube, a sharpening member connected with the tube and handle, a pair of spaced parallel arms on the frame, a transversely extending pivot bolt extending through and connecting said arms having a head on one end engaging the outer surface of one arm, and a nut threaded on the other end of the bolt for engaging the outer surface of the other arm, a blade clamp including a pair of companion jaws having hinge barrels rockably mounted on the bolt, whereby the jaws can be adjusted relative to one another, and whereby the clamp as a unit can be adjusted on the bolt to an angular adjusted position relative to the sharpening member, and means for holding the jaws in an adjusted position relative to one another, and hinge barrels for the innermost jaw being arranged beyond the hinge barrels of the outermost jaw for engagement by the inner faces of said arms, whereby said innermost jaw can be held against movement from a set position during adjustment of the outermost jaw relative to the innermost jaw.

2,259,096
SOCKET
Milton Alden, Brockton, Mass.
Application August 23, 1940, Serial No. 353,821
3 Claims. (Cl. 173—328)



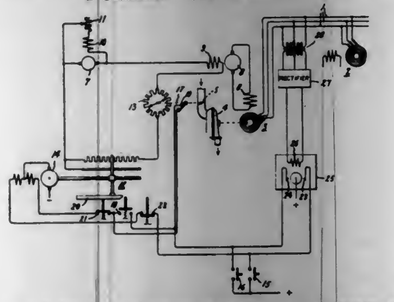
1. A tube socket comprising an insulating body containing two spaced spring contacts at least one of them being movable toward and from the other, said body having an opening in its face with an entrance at one end for introducing the prongs of a tube to engage the contacts, and a spring pressed guard plate mounted in the body and movable to cover said opening and guard the contacts, said guard plate being retractable at right angles to the direction of movement of a tube prong to admit the side-wise insertion of the prongs, whereby said guard plate will press against said tube prongs in a direction coincident with the movement of said prongs, so as to aid in the ejection of said prongs from the socket.

2,259,097
CIRCUIT BREAKER
James M. Anderson, Broomall, Pa., assignor to General Electric Company, a corporation of New York
Application January 5, 1940, Serial No. 312,530
19 Claims. (Cl. 200—116)



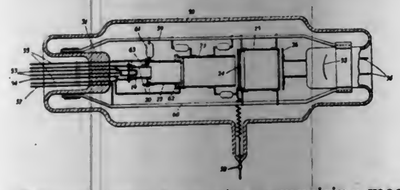
5. A circuit breaker comprising a switch arm, spring means biasing said switch arm to its open circuit position, a release arm, a toggle having one and connected to said switch arm and its other end connected to said release arm, thermal current responsive means normally holding said release arm in a predetermined position against the bias of said switch arm to its open position, an operating arm connected to make and break said toggle so as to move said switch arm between its open and closed circuit positions, a toggle spring for biasing said operating arm to a position to break said toggle and move said switch arm to said open circuit position, a pivoted latch for holding said operating arm against the force applied by said toggle spring, manual operating means for moving said latch to a position to release said operating arm whereby said switch arm is opened with a snap action, and means carried by said switch arm for moving said latch to its released position when said switch arm is opened by said thermal current responsive means in response to a predetermined current whereupon said toggle spring moves said operating arm to break said toggle and thereby return said current responsive release arm to a position to be secured by said thermal means.

2,259,098
REGULATING SYSTEM
Theophilus F. Barton, Upper Montclair, N. J., assignor to General Electric Company, a corporation of New York
Application August 10, 1940, Serial No. 352,100
4 Claims. (Cl. 290—7)



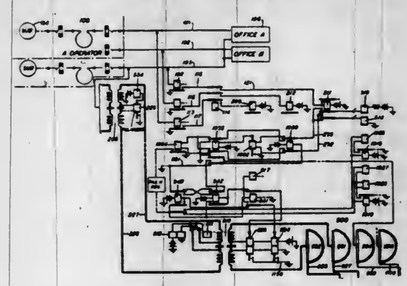
1. In a synchronous-to-synchronous power system, in combination, an alternator, a direct current excitation circuit for said alternator, automatic means for varying the current in said circuit in proportion to variations in kilowatt load on said alternator, manually operable means for raising and lowering the current in said circuit independently of said automatic means, and means responsive to the existence of a kilowatt load on said alternator which exceeds a predetermined value for restricting said manually operable means to a range of currents above a predetermined safe value for stability of said alternator.

2,259,099
ELECTRON DISCHARGE TUBE
Jean Bernamont, deceased, late of Paris, France, by Marguerite Clementine Elise Pinguet and Robert Emile Pietre, administrators, Paris, France, assignors to International Standard Electric Corporation, New York, N. Y.
Application June 24, 1939, Serial No. 280,927
In France June 25, 1938
2 Claims. (Cl. 250—151)



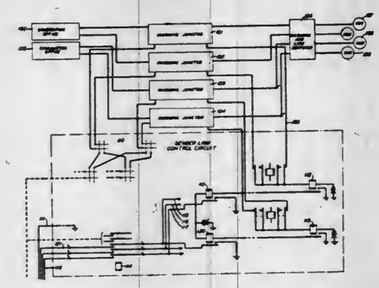
1. Electron beam apparatus comprising means for generating an electron beam, means for receiving said beam, means for deflecting said beam positioned between said generating means and said receiving means, and means for amplifying the deflection given to said beam by said deflecting means positioned between said deflecting means and said receiving means comprising a converging electron lens focussed on said beam at a point between said deflecting means and said generating means, said deflecting means comprising two semi-cylindrical electrodes, and said electron lens comprising a cylinder, said cylinder and said electrodes being coaxial.

2,259,100
OPERATOR'S POSITION CIRCUIT
Jack F. Dahl, Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 15, 1940, Serial No. 335,245
8 Claims. (Cl. 179—27)



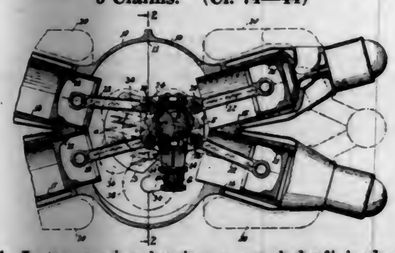
1. In a telephone system, trunks terminating at a single office, trunks terminating at a plurality of offices, operators' positions common to said terminating offices, means to connect said positions to said trunks, and means in said operators' positions for indicating whether a connected trunk terminates in one office or in a plurality of offices.

2,259,101
TELEPHONE SYSTEM
Richard C. Davis and James B. Newsom, Great Neck, N. Y., and Walter B. Strickler, East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 15, 1940, Serial No. 335,240
11 Claims. (Cl. 179—27)



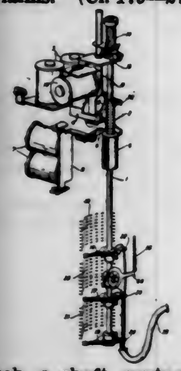
1. In a telephone system, a unitary register sender comprising an operator controlled registering device and a full mechanical registering device permanently connected over a plurality of conductors, and means for transferring registrations from said operator controlled device to said full mechanical registering device.

2,259,102
INTERNAL COMBUSTION ENGINE
Rudolph Daub, Paterson, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York
Application June 10, 1939, Serial No. 278,390
5 Claims. (Cl. 74—44)



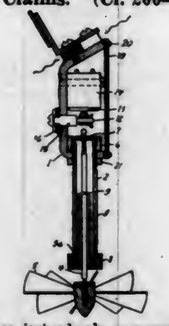
1. In an engine having a crankshaft including a crankpin, a bearing spool on the crankpin, a plurality of connecting rods journalled thereto, an auxiliary crankshaft parallel to the first having a crankpin of similar throw but of such length as to pass between the crankcheeks of the first crankshaft, an extension slidably carried on the spool and journalled on said auxiliary crankpin, and gearing between said crankshafts holding the crankpins in the same phase relation during shaft rotation.

2,259,103
AUTOMATIC SWITCHING DEVICE
Percy B. Drake, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 11, 1939, Serial No. 255,902
6 Claims. (Cl. 179—27.52)



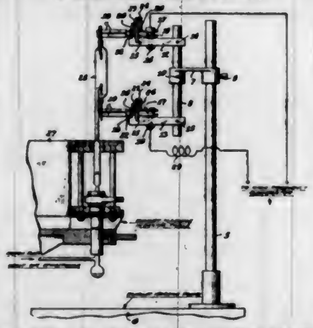
1. In a switch, a shaft, contact banks, wiper assemblies secured to said shaft and including projecting members, means for actuating said shaft to cause the wipers of said assemblies to engage the contacts in said banks, guide rings, and conductors threaded through said guide rings and connected to said assemblies, said guide rings and projecting members being so constructed that after the conductors have been threaded through the guide rings and connected to the wipers of said assemblies said guide rings may be detachably mounted on the respective projecting members in fixed positions to guide the conductors and may be removed from the associated projecting members to permit the removal of any wiper assembly without disturbing the connections of the conductors to the wipers of other assemblies.

2,259,104
AIR FLOW INTERLOCK
James L. Finch, Patchogue, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application October 22, 1938, Serial No. 236,384
14 Claims. (Cl. 200—81)



1. An air flow interlock comprising a rotatable shaft, a multi-blade fan located at one end of said shaft, the axis of said shaft and said fan being located parallel to a flow of air, a spring member applying a desired torque to said shaft, an electric switch mounted at the other end of said shaft and having contacts, means for providing a quick closing and opening of said contacts when said fan rotates to predetermined positions.

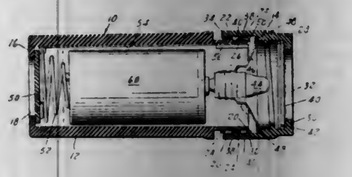
2,259,105
AUTOMATIC EXHAUST OF HIGH PRESSURE LAMPS
George A. Freeman, East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 27, 1940, Serial No. 358,670
8 Claims. (Cl. 176—2)



2. The method of degasifying the electrodes of a discharge lamp which comprises filling the lamp while on an automatic exhaust machine with an inert gas at a pressure of the order of one atmosphere, and applying a high frequency current to the electrodes to initiate and sustain an arc discharge therebetween to rapidly raise the electrodes to a high temperature and drive off occluded gases.

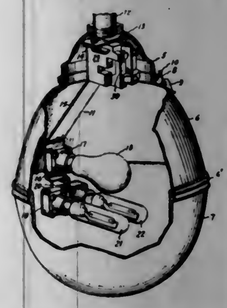
2,259,106
SWITCH MECHANISM
Gustave G. Hager, New York, N. Y.
Application November 16, 1940, Serial No. 365,885
4 Claims. (Cl. 200—60)

1. A switch mechanism for an electrical circuit comprising a pair of members screw-threadedly secured together, and means to permit relative lateral movement between said members to



make and break the circuit, which means comprise a loose lateral engagement between the screw-threadedly secured together members.

2,259,107
LUMINAIRE
Cromwell A. B. Halvorson, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application August 13, 1938, Serial No. 224,757
1 Claim. (Cl. 240—25)



In a street lighting luminaire, the combination of a conoidal reflector, a supporting cap therefor, a plurality of discharge lamps mounted horizontally in the focal region of said reflector, an incandescent lamp mounted above said discharge lamps in heat exchange relation to said discharge lamps, a control relay operable to control said incandescent lamp, and a bracket mounted at one end in said cap and projecting adjacent the surface of said reflector to the focal region of said reflector, said bracket having mounted thereon said incandescent and discharge lamps and said relay.

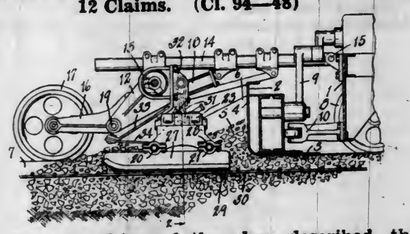
2,259,108
BEARING ALLOY
Richards H. Harrington, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application July 11, 1939, Serial No. 283,829
5 Claims. (Cl. 308—242)

1. A bearing member containing copper, lead, beryllium and metal from the group cobalt and chromium, the lead comprising about 5% to 30% of said member, the remainder of said member consisting of a matrix alloy, said matrix alloy containing up to about 1% of beryllium, and up to about 6% of metal from said group with the remainder copper.

2,259,109
PROCESS FOR OXIDATION OF HALOGEN COMPOUNDS OF CYCLIC KETONES
Hans Hatzig, Mannheim-Waldhof, Germany, assignor to Rare Chemicals, Inc., Nepera Park, N. Y., a corporation of New York
No Drawing. Application October 10, 1938, Serial No. 234,333. In Germany October 15, 1937
21 Claims. (Cl. 260—397.3)

1. The process for oxidization of halogen compounds of cyclic ketones of the sterol series whilst splitting off the side chain to retain not more than 2 C atoms of the chain comprising subjecting to oxidation a halogen compound selected from the group consisting of halogenated compounds of the sterol series in which at least one halogen is in the 4, 5, or 6 position as can be transformed to Δ4, 5-ketones (3) of the sterol series by means of zinc dust, and separating the components of the reaction product in accordance with the well-known methods.

2,259,110
CONCRETE PLACEMENT APPARATUS
Corwill Jackson, Ludington, Mich.
Application November 30, 1939, Serial No. 306,800
12 Claims. (Cl. 94—48)

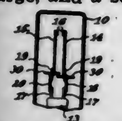


1. In a machine of the class described, the combination with a supporting frame mounted for vertical adjustment, of a horizontally disposed vibratory element comprising horizontally spaced elongated submersible members of rounded section, a plurality of tie members for said vibratory members whereby they are rigidly connected as a unit, said members being spaced so as to permit free passage of material treated therebetween, a plurality of auxiliary vibratory blade members rigidly and detachably connected to said elongated members in transverse relation thereto and to extend downwardly therefrom and also to extend forwardly and rearwardly thereof and in spaced parallel relation to each other, said auxiliary members being provided on their lower edges with enlargements of rounded section curved upwardly at their forward ends, a vibrating means for said vibratory element comprising an unbalanced rotor mounted on said elongated vibratory members with its axis in transverse relation thereto and in parallel relation to said auxiliary vibratory members, and means for supporting said vibratory element from said supporting frame permitting vibration thereof and comprising flexible non-extensible hangers and flexible non-extensible draft members.

2,259,111
DOUBLE BIMETALLIC GASEOUS RELAY
Alfred H. Laidig, Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 14, 1940, Serial No. 352,500
10 Claims. (Cl. 250—27.5)

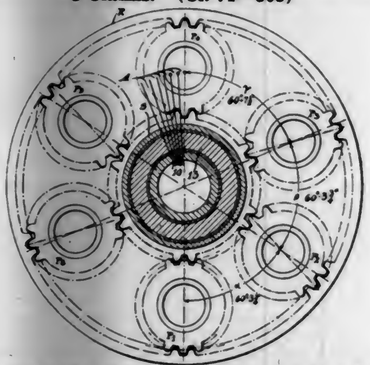
1. A gaseous discharge device comprising a container provided with an ionizable medium

therein, two closely spaced electrodes therein, one of said electrodes including a bimetal with its metal of lower expansion facing the other electrode whereby the heat of discharge will bend said electrode into contact with the other electrode to short-circuit said electrodes and extinguish said discharge, and a second bimetal con-



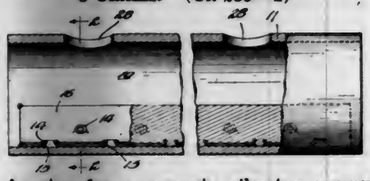
nected to one of said electrodes at a place removed from the shortest discharge path between said electrodes, said second bimetal having its metal of lower expansion faced in the opposite direction to that of the lower expansion metal of said first bimetal whereby said second bimetal will tend to compensate for the effect of ambient temperature on the first bimetal.

2,259,112
PLANETARY GEAR
Wilton G. Lundquist, Hohokus, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York
Application September 2, 1939, Serial No. 293,240
5 Claims. (Cl. 74—305)



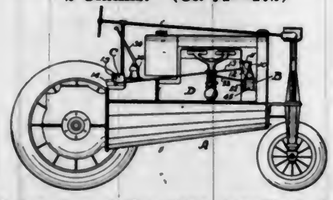
1. In a planetary gearset comprising a sun gear and a ring gear, a spider concentric therewith carrying pinions engaging said gears, the number of pinions being factorable into the tooth numbers of the ring gear and sun gear, and the pinions being unequally spaced apart so as to provide staggered engagement of the teeth of the pinions with the teeth of said gears.

2,259,113
ROTOR FOR CONCRETE VIBRATORS
Arthur William Mall, Flossmoor, Ill., assignor to Mall Tool Company, Chicago, Ill., a corporation of Illinois
Application October 23, 1939. Serial No. 300,785
8 Claims. (Cl. 259—1)



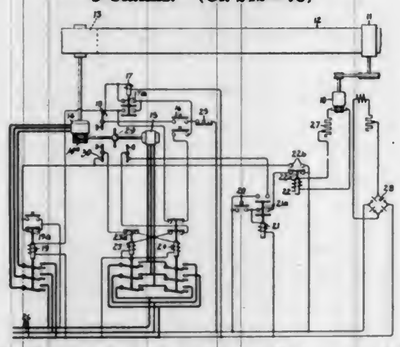
1. A rotor for a concrete vibrator comprising an elongated thin-walled cylindrical housing formed of steel high in strength and rigidity, said housing being less than 3 inches in diameter, a weight of high specific gravity disposed within the housing in a position of maximum eccentricity relative to the axis of the rotor, and means for rigidly supporting said weight in its position of maximum eccentricity, said means including a semi-cylindrical sheet of metal welded to the inner wall of the housing and having a plurality of perforations in its surface, each of said perforations describing a substantially frusto-conically shaped projection extending into the housing in a radial direction.

2,259,114
GOVERNOR GEARSHIFT CONTROL DEVICE
Lester S. Pfost, Racine, Wis., assignor to The Massey-Harris Company, Racine, Wis., a corporation of Maryland
Application January 24, 1938, Serial No. 186,605
2 Claims. (Cl. 74—472)



1. A tractor of the class described, including a two-speed governor controlled engine and a gear shift transmission, a connection between said governor and transmission and means whereby the high speed transmission gear shift position only will permit the governor to operate the engine at its high speed.

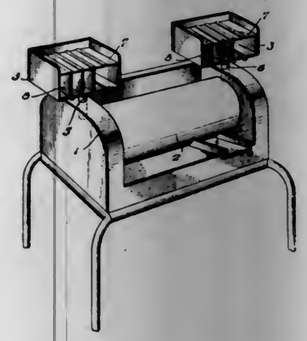
2,259,115
CONTROL SYSTEM
Raymond G. Rayden, Rugby, England, assignor to General Electric Company, a corporation of New York
Application September 10, 1938, Serial No. 229,321
In Great Britain December 2, 1937
5 Claims. (Cl. 242—75)



2. The combination with a take-up reel for a strip of material, a drive motor therefor, control means for controlling the speed of the motor in response to the speed of the material, a control element having a low speed position for effecting low speed operation of the motor and having a plurality of higher speed positions for higher speed operation of the motor, said control means varying the position of said control element only

to reduce the speed of said motor thereby to maintain the speed of the material substantially constant, means for stopping the motor, and means operated by said stopping means for returning said control element to said low speed position.

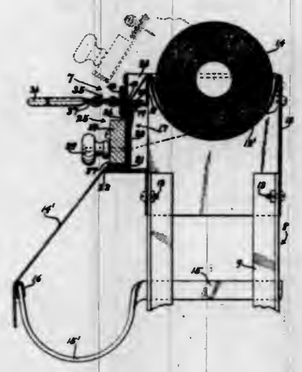
2,259,116
FORM RECEPTACLE FOR DUPLICATING MACHINES
Wilhelm Ritzerfeld, Berlin-Tempelhof, Germany
Application April 1, 1939, Serial No. 265,415
In Germany April 16, 1938
1 Claim. (Cl. 312—157)



In combination with a duplicating machine having a frame with side members and open front and top with a printing drum bearing a copyable mirror-script original and printing onto forms previously moistened with a readily volatilizing solvent; a pivotally mounted receptacle having such a width greatly in excess of its depth as to project over the open top and drum when in an operative position and such a depth as to clear the open top and drum when in an inoperative position at right angles to the operative position; said receptacle comprising a plurality of partition walls defining compartments for holding stacks of different forms to be duplicated; and means for pivotally mounting said receptacle on a side member of said frame of the duplicating machine whereby said receptacle may be rotatably displaced from an operative position, where said compartments and the forms therein are directly facing the operator and are readily accessible for the instantaneous selection and withdrawal of a determined form sheet, into an inoperative position, where the compartments extend substantially axially to the printing drum and leave the drum unobstructed and readily accessible for the instantaneous change of the copyable original.

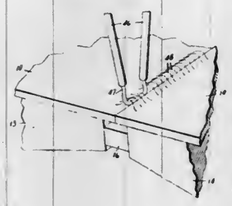
2,259,117
DEVICE FOR HOLDING AND CUTTING SHEET MATERIAL
Alfred W. Schaldach, Chaseburg, Wis.
Application March 29, 1940, Serial No. 326,736
3 Claims. (Cl. 242—55.4)

1. In a material cutting device, means for supporting a supply of sheet material, means connected therewith and providing a trough shaped face including a substantially horizontal lower wall and a rear wall extending upward therefrom and having an upper edge over which the portion of material to be cut is drawn from the supply, holding means including two walls joining at an angle and fitting closely against said two walls of said face and movable away therefrom and from said edge, to facilitate passing the portion



between them, and being also movable close thereto for holding the portion of material in bent position and firmly in place before and after the cutting operation, and cutting means carried by the movable holding means and movable thereon along said edge for cutting off the desired portion from the supply.

2,259,118
WELDING APPARATUS
Gareth G. Somerville, Pittsfield, Mass., and James T. Catlett, Scotia, N. Y., assignors to General Electric Company, a corporation of New York
Application July 12, 1940, Serial No. 345,226
20 Claims. (Cl. 219—8)



10. Arc welding apparatus comprising electromagnetic means for controlling the effect of a welding arc on the work, means for supplying alternating current of the same frequency to said electromagnet and to said arc, and means for adjusting the out-of-phase relationship of the alternating currents supplied to said electromagnet and to said arc by said last mentioned means in order to control the direction and amount of deflection of said arc relative to the work.

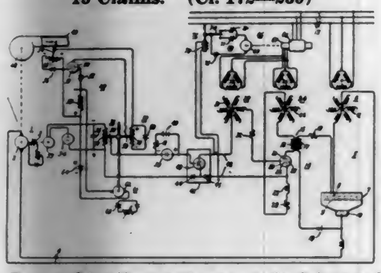
18. The method of arc heating which comprises establishing an arc loop between a plurality of electrodes, positioning said electrodes relative to a work part so that said arc loop is adjacent thereto and linking said arc loop with a magnetic field which enters and leaves said work part on opposite sides of said arc loop.

2,259,119

ELECTRIC VALVE CONTROL SYSTEM

Max Stoehr, Berlin-Hermsdorf, Germany, assignor to General Electric Company, a corporation of New York

Application November 22, 1938, Serial No. 241,827
In Germany December 18, 1937
15 Claims. (Cl. 172—239)



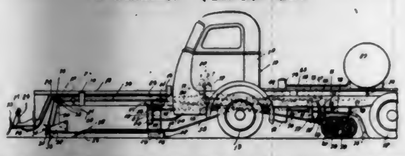
1. In combination, a dynamo-electric machine, an alternating current circuit, electric translating apparatus connected between said alternating current circuit and said machine and comprising electric valve means having a control member for controlling the conductivity thereof, means responsive to an operating condition of said machine for energizing said control member to maintain said operating condition of said machine at any one of a number of predetermined different values, apparatus operated by said machine, and means responsive to a predetermined controlling influence derived from the last mentioned apparatus for controlling said last mentioned means to set the value of said operating condition which is maintained.

2,259,120

MELTING AND DRYING MACHINE

John B. Sweeney, McKeesport, Pa.

Application October 31, 1940, Serial No. 363,760
8 Claims. (Cl. 37—12)



1. A mobile snow removing structure including a mobile body having a forwardly extending frame, means on said frame to heat a roadway, means to remove water produced by the heat, means to remove excess snow from the roadway before subjection to the heat, a crusher for engagement with the roadway located between the excess snow remover and the heating means, power means to propel the mobile body, and a connection on said frame from said power means to the crusher to operate the latter.

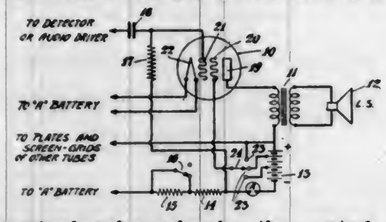
2,259,121

RADIO RECEIVER CIRCUIT

Lemuel M. Temple, Scarsdale, N. Y.

Application September 20, 1939, Serial No. 295,712
4 Claims. (Cl. 179—171)

1. In a battery operated radio receiver having a plurality of tubes having screen grids, a common source of B voltage for a plurality of said tubes including the output tube, biasing means for controlling the potential of the control grid of the output tube, such biasing means utilizing a portion of said B voltage determined by a resistance in the common negative B return to the tube filaments, means for applying a positive potential to the screen grids of said plurality of tubes from said source of B voltage and means for manually reducing such resistance by a predetermined value whereby the control grid potential of the output tube may be reduced and the B current thereby may be immediately greatly increased in the output tube and at the same time will also be increased in the remainder of said plurality of tubes.



2,259,122

STABILIZED POLYMERS OF CHLOROPRENE AND PROCESS OF PRODUCING THE SAME

Herbert W. Walker, Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 26, 1940, Serial No. 315,749
15 Claims. (Cl. 260—89)

1. A composition comprising a stabilizer and a heat curable plastic polymer of a compound of the general formula

$$CH_2{=}C{-}C{=}CH_2$$
$$\quad\;\; X \quad\; R$$

in which X is halogen and R is a member of the group consisting of hydrogen and hydrocarbon radicals obtained by polymerizing a compound of the general formula in the presence of a modifying agent of the group consisting of hydrogen sulfide, aliphatic mercaptans, aromatic mercaptans, and mercapto carboxylic acids, said stabilizer being a compound containing the nucleus

$$\diagdown\!\!\left[(N)(S)\right]\!\!\equiv C{-}S{-}$$

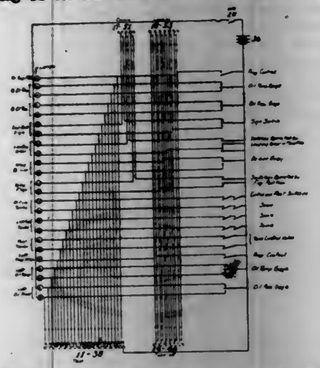
2,259,123

AIRCRAFT INDICATING SYSTEM

Willis L. Wells, Clayton, and Raymond A. Rugge, Ferguson, Mo., assignors to Curtiss Wright Corporation, (St. Louis Division), a corporation of Delaware

Application July 9, 1938, Serial No. 218,346
11 Claims. (Cl. 177—311)

1. The combination with a vehicle having thereon or made a part thereof a plurality of instrumentalities, said vehicle being operable under conditions necessitating in different phases of its operation the use of different combinations of the same or different instrumentalities according to the phase of operation being or about to be executed, of a group of indicators for indicating the operation characteristics of those instrumentalities appropriate to one said phase of operation, a second group of indicators for indicating the operation characteristics of those instrumentalities appropriate to a different phase of operation, the indicators in each instance being controlled in their response directly by the instrumentalities, and means for pre-selecting for positive indication, during or in advance of the phase of operation being or about to be executed, and without interrupting the operation of the vehicle, only those indicators comprised in a single group.

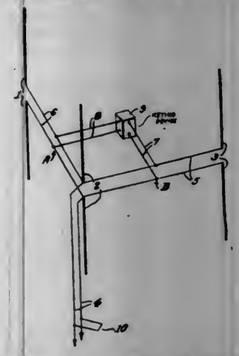


2,259,124

FOUR-COURSE BEACON

Edward N. Wendell, Rockport, Mass., assignor to International Telephone Development Co. Inc., New York, N. Y., a corporation of Delaware

Application September 30, 1938, Serial No. 232,524
6 Claims. (Cl. 250—11)



1. A radiation system for a four-course beacon comprising a first dipole, two further dipoles disposed so that said three dipoles lie at the apices of a triangle, a source of energy and means for alternately feeding energy from said source to said first dipole and one of said further dipoles and said first dipole and the other of said further dipoles.

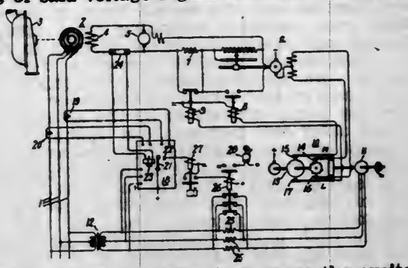
2,259,125

REGULATOR SYSTEM

Selden B. Crary, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application August 10, 1940, Serial No. 352,103
2 Claims. (Cl. 171—119)

1. In combination, a synchronous-to-synchronous electric power system including a prime mover driven alternator, an automatic voltage regulator for varying the excitation of said alternator in response to variations in voltage thereof, and stabilizing means including a variably biased wattmetric relay responsive to the ratio of the kilowatt load on said alternator and the excitation current thereof for changing the setting of said voltage regulator in such a manner as to cause the regulator to increase the excitation sufficiently to prevent loss of synchronism of said alternator whenever said ratio exceeds a predetermined value.

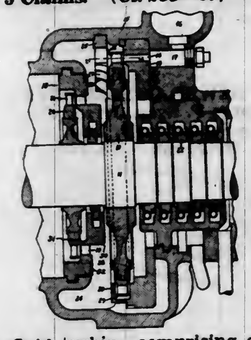


2,259,126

ELASTIC FLUID TURBINE

Edgar D. Dickinson, Beverly, Mass., assignor to General Electric Company, a corporation of New York

Application July 28, 1939, Serial No. 287,049
3 Claims. (Cl. 253—69)



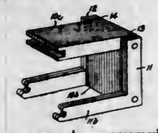
1. Elastic fluid turbine comprising a casing, a first stage having a large-diameter bucket wheel, a second stage including a small-diameter diaphragm and a bucket wheel, the diaphragm comprising an inner disk closely spaced with the first stage bucket wheel and an outer ring with partitions fastened to the ring and to the disk and considerably axially spaced from the first stage bucket wheel and surrounding the second stage bucket wheel, and a plurality of guide vanes supported on the casing adjacent the diaphragm.

2,259,127

ELECTROMAGNET

John Eaton, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

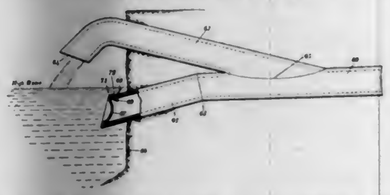
Application August 28, 1939, Serial No. 292,205
2 Claims. (Cl. 175—336)



1. An electromagnet comprising three L-shaped core members of magnetic flux conduct-

ing material having first arms secured together in side by side overlapping relation with each other, and with the second arm of the middle core member and the second arms of the two outer core members extending from opposite ends of said overlapping arms thereby to form two substantially parallel legs of a U-shaped magnet core, one leg being constituted by the second arm of said middle core member and the other leg being constituted by the second arms of said outer core members, the combined cross sectional areas of magnetic flux conducting material in said two outer core members being equal to at least a major portion of the cross sectional area of magnetic flux conducting material in said middle core member, and said two legs forming each a sole magnetic flux conducting path through said magnet core at its free end and throughout a substantial portion of its length, relatively thick sheets of electrically insulating material structurally separate from said core members between said overlapping first arms thereby to form an air gap between said middle core member and each of said outer core members, an exciting coil mounted on said magnet core, an armature mounted for movement to an attracted position adjacent the ends of said legs upon energization of said coil, and means biasing said armature to an unattracted position, said air gaps being of sufficient length to prevent holding of said armature in its attracted position by residual magnetism in said magnet core.

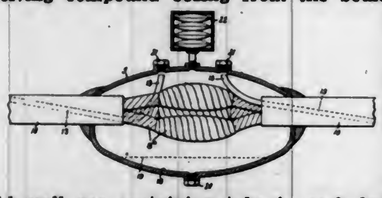
2,259,128
SEWER CONSTRUCTION
George F. Egan, Jersey City, N. J.
Application September 9, 1940, Serial No. 355,946
4 Claims. (Cl. 182—26)



1. A sewer construction comprising sewer piping extending at an inclination towards a body of water, an end portion terminating below the high water line of said body of water, a valve mounted at the terminal of said end portion, said valve being of such weight and of such shape and so mounted that it will close said terminal except when contents of the sewer force said valve open, and the terminal of said end portion being of such shape that the valve will rest thereagainst and close said end portion except when said valve is held open by pressure from within said sewer, and another end portion having a terminal located above the high water line of said body of water.

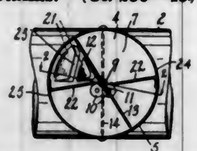
2,259,129
GAS FILLED CABLE
Frank W. Engster, Mount Vernon, N. Y., assignor to General Electric Company, a corporation of New York
Application May 2, 1939, Serial No. 271,254
1 Claim. (Cl. 174—15)

A cable installation comprising jointed lengths of conductors, a body of permeable insulation for each conductor, impregnating compound for the bodies normally confined within the outer surfaces thereof but from which it may ooze due to load temperatures, a sheath for each length, a chambered joint casing sealed at its ends to adjacent sheaths, the casing forming a sump below the conductors and having an opening in its upper wall, a movable closure for the opening, a channel in each conductor length opening into the casing above the sump for conveying gas and receiving compound oozing from the bodies, a



solid wall gas containing tube in each length, each having an open end within the casing terminating above the level of any compound in the sump for by-passing the contents of the channel, the end of one of the tubes being directly under said opening in the casing and through which it is accessible from the outside of the casing when the closure is temporarily removed, and means for supplying insulating gas to the chambered casing and maintaining it under positive pressure.

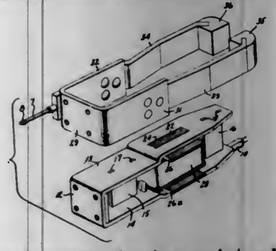
2,259,130
DRAFT CONTROL DEVICE
Edward A. Field, Jr., Chicago, Ill.
Application April 29, 1940, Serial No. 332,236
6 Claims. (Cl. 236—45)



6. A draft control comprising a control housing adapted to be attached to the smoke duct of a heating unit, a shaft rotatably journaled on the control and extending into said housing and duct, a damper on the shaft in the duct and operative to regulate the draft in the latter, a vane on the shaft in the housing having two radially extending portions, and partitions in the housing dividing the latter into compartments wherein the respective portions of said vane are disposed, said housing having an opening communicating one of said compartments on one side of the vane portion therein with the pressure in the duct and having means including a closed space remote from the duct for also communicating the part of the other compartment on the opposite side of the other vane portion with the duct pressure, said housing having further means for communicating said compartments with atmospheric pressure on the sides of the vane portions opposite the duct pressure sides thereof.

2,259,131
VIBRATOR
Frank H. Fleischer and Wayne J. Morrill, Fort Wayne, Ind., assignors to General Electric Company, a corporation of New York
Application May 5, 1939, Serial No. 271,948
1 Claim. (Cl. 172—126)

In an electromagnetic vibrator, a frame having spaced longitudinally extending arms, an electromagnet having an H-shaped core extending crosswise of said arms and fixed at each end to the adjacent arm, the arms of said core providing pairs of spaced pole pieces on opposite sides of the electromagnet, a coil on the central part of the core, longitudinally extending spring arms fixed to one end of the frame and extending toward the electromagnet, armatures fixed to the spring arms and supported thereby for



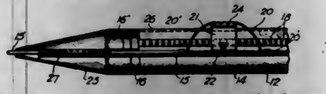
pivotal movement about a point adjacent the point of attachment of the spring arms toward and away from a position bridging said pole pieces, said armatures extending beyond the electromagnet and having balance weights on the free ends, and an operating lever fixed to one of said armatures and extending away from the electromagnet and beyond the pivot point of the armature.

2,259,132
TEMPERATURE MEASURING DEVICE
George F. Gardner, Alplaus, N. Y., assignor to General Electric Company, a corporation of New York
Application June 1, 1940, Serial No. 338,345
6 Claims. (Cl. 73—364)



4. An extreme temperature measuring and indicating device comprising a rod and a tube having a sliding fit and fastened together at one end, the rod extending beyond the tube at the other end, said rod and tube having different temperature coefficients of expansion, a collar fitting friction-tight on the extending end of said rod adjacent the tube end so as to be displaced along said rod by said tube by reason of unequal changes in the lengths of said tube and rod when subjected to a change in temperature and graduation marks on relatively movable parts of said device, including said collar to facilitate determining the position of said collar in terms of temperature.

2,259,133
MECHANICAL INSTRUMENT HOLDER DEVICE
Elmer E. Harper, Kansas City, Mo.
Application May 11, 1940, Serial No. 334,528
7 Claims. (Cl. 120—19)



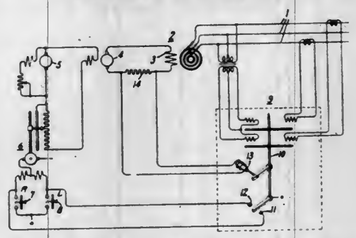
2. A device of the character described comprising a body portion of sheet material formed to provide an instrument channel with an end outlet aperture and also a series of shoulders projecting from one side wall of said channel and

partly across the same for confining the instrument to longitudinal movement, and a compressible propelling device operable along said channel and having end portions fitting slidingly in the channel and an intermediate abutment for positive abutting engagement with said shoulders and thereby preventing retracting movement of said propelling device along the channel.

2,259,134
ELECTRICAL INSULATION MATERIAL
William R. Heineman, Meriden, Conn., assignor to General Electric Company, a corporation of New York
No Drawing. Application July 23, 1938, Serial No. 221,025
6 Claims. (Cl. 106—96)

1. An electrical insulation material having dispersed therethrough a waxy substance having a melting point of at least 150° F., said insulation material consisting of the pressed and hardened product of a mass comprising asbestos, hydraulic cement, water and the said waxy substance dispersed throughout the said mass, said dispersed waxy substance serving to render the said insulation material capable of being drilled without chipping.

2,259,135
STABILIZING SYSTEM
William S. Hill, Westport, Conn., assignor to General Electric Company, a corporation of New York
Application August 10, 1940. Serial No. 352,158
5 Claims. (Cl. 290—7)

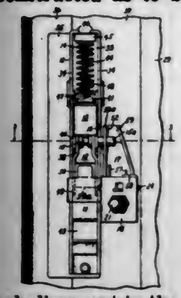


1. In combination, a synchronous-to-synchronous power system including a prime mover driven alternator, an excitation system for said alternator including a motor-operated rheostat for controlling the excitation of said alternator, means including manually operable raise and lower circuit controllers for controlling the operation of said rheostat, and automatic means responsive to an operating condition of said alternator which is an index of its stability for controlling the operation of said rheostat, said automatic means being substantially independent of alternator voltage.

2,259,136
LATCH
Francis M. Hogg, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application March 1, 1940, Serial No. 321,703
5 Claims. (Cl. 292—166)

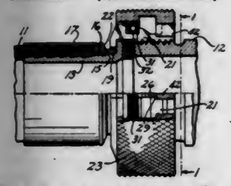
1. A latch comprising a casing, a slidable latching member disposed within said casing, a pair of toggle members disposed within said casing, one of said toggle members being attached at one end thereof to said latching member, the other of said toggle members being pivotally and slidably supported at one end thereof in said casing, the

other ends of said toggle members being joined to each other by means of a pin, said pin having a portion extending beyond said casing, said toggle members and said latching member being so arranged and constructed as to be in substan-



tially longitudinal alignment in the latching position of said latching member and a lever associated with said casing and engaging said portion for moving said pin connected ends of said toggle members out of said alignment for withdrawing said latching member from its latching position.

2,259,137
COUPLING
William C. Iftiger, Sr., Santa Fe Springs, Calif.
Application August 14, 1939, Serial No. 289,965
7 Claims. (Cl. 285—150)

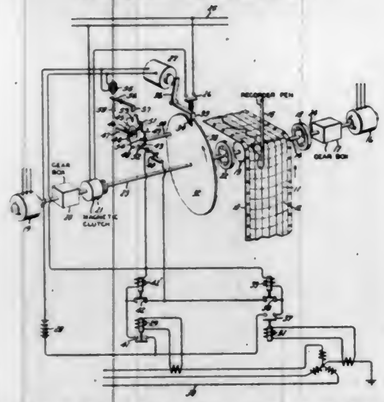


1. A coupling for connection with a threaded male member, comprising: a plurality of internally threaded jaws rotatable about the axis of said coupling and independently movable in a radial direction; walls forming an external groove on said jaws; a spring surrounding said jaws and disposed in said groove, said spring urging the forward ends of said jaws radially inward; and an axially movable collar surrounding said jaws and adapted in one position to permit said jaws to be deflected outwardly over the threads of said male member, and in another position to restrict the outward deflection of said jaws.

2,259,138
METHOD OF PREPARING ELECTRICALLY INSULATING MATERIAL
Hideo Inutsuka, Tokyo Denki K. K., Japan, assignor to General Electric Company, a corporation of New York
No Drawing. Application March 20, 1939, Serial No. 263,099. In Japan March 26, 1938
3 Claims. (Cl. 106—46)

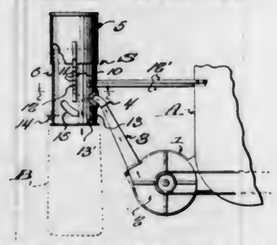
1. The method of making a shaped dielectric material having a high dielectric constant and a low power factor, which comprises forming a plastic mass of a mixture comprising titanium dioxide, from 5 to 40 per cent by weight thereof of Pb_3O_4, and an organic binder for said components, shaping the resulting mass, and firing the shaped mass at an elevated temperature in an oxidizing atmosphere until a dense product results.

2,259,139
RECORDING APPARATUS
Werner Oesinghaus, Berlin-Treptow, Germany, assignor to General Electric Company, a corporation of New York
Application February 24, 1940, Serial No. 320,699
In Germany January 9, 1939
3 Claims. (Cl. 271—2.3)



1. Means adapted to drive the movable chart of a recorder comprising a low speed mechanism for normally driving said chart, a high speed mechanism for driving said chart at a higher speed, said high speed mechanism being normally ineffective to drive said chart, means responsive to an abnormal condition for rendering said high speed mechanism effective to drive said chart, and means including an adjustable device driven by said high speed mechanism for rendering said high speed mechanism ineffective to drive said chart after said chart has traveled an adjustable predetermined maximum distance at high speed irrespective of the continuation of said abnormal condition.

2,259,140
BAG ATTACHMENT FOR CORN HUSKERS
Henry L. Rosenthal and August Rosenthal, Wauwatosa, Wis., assignors to Rosenthal Manufacturing Co., West Allis, Wis.
Application October 31, 1938, Serial No. 237,901
3 Claims. (Cl. 209—144)

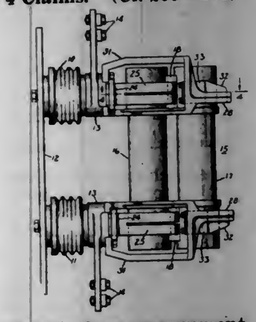


1. A bagger and separator for corn huskers comprising, a blower for receiving material from the husker, a discharge spout carried by the blower, a tubular separator shell and bag holder, and a nozzle carried by said spout and provided with an arcuate portion extending into and around a portion of the inner wall of said shell to deliver material into said shell in a circular path, the top of said nozzle terminating short of its discharge end.

2,259,141
SYNTHETIC RUBBERLIKE RESINOUS COMPOSITIONS
John J. Russell, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Original application April 12, 1938, Serial No. 201,563. Divided and this application November 17, 1939, Serial No. 304,969
2 Claims. (Cl. 260—36)

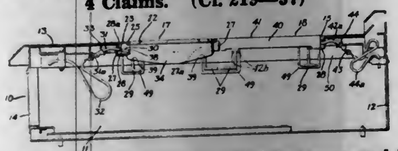
1. Polyvinyl halide plasticized with a tetrahydrofurfuryl ester of an aliphatic dibasic acid of the class $C_nH_{2n-2}O_4$, where n is at least 6.

2,259,142
FUSE DEVICE AND CLIP THEREFOR
Carl L. Schuck, Philadelphia, Pa., assignor to General Electric Company, a corporation of New York
Application June 5, 1941, Serial No. 396,662
4 Claims. (Cl. 200—134)



1. In an electric fuse arrangement, a supporting structure having spaced terminals, a fuse device connected between said terminals and comprising a pair of cartridge fuses each having opposite end ferrules, the adjacent end ferrules of said fuses being conductively connected together, contact clips on said terminals for engaging the opposite end ferrules of one of said fuse cartridges, arms extending outwardly from said terminals, contact clips on said arms for engaging with the corresponding end ferrules of the other of said cartridge fuses.

2,259,143
ELECTRIC HEATER
Jacob L. Shroyer, Oak Park, Ill., assignor to Edison General Electric Appliance Company, Chicago, Ill., a corporation of New York
Original application December 21, 1937, Serial No. 181,014. Divided and this application October 28, 1938, Serial No. 237,518
4 Claims. (Cl. 219—37)



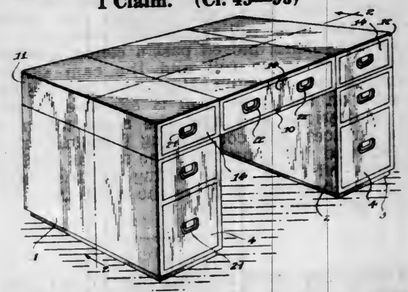
1. A heating plate for an electric range and the like comprising a sheathed heating element having terminals projecting from the ends of the sheath, the end sections of said sheath adjacent said terminals extending outwardly laterally, said laterally extending sections being curved upwardly and thence downwardly so that the terminals project downwardly and outwardly, and washer-like intercepting baffles on said downturned portions.

2,259,144
BOTTLE CLEANING DEVICE
Henry G. Volckening, Brooklyn, N. Y., assignor to Volckening Inc., a corporation of New York
Application August 5, 1937, Serial No. 157,467
3 Claims. (Cl. 15—127)



1. A bottle cleaning device comprising a brush of flexible, elastic material having a central body and brush members laterally projecting therefrom, a cavity in said body and a support adapted for entering said cavity and having on its outer surface cone-shaped serrations, the inner end of each serration presenting an abrupt shoulder whereby to retard a movement of said brush away from said support, the exposed end part of said support having a head provided with a transverse opening increasing in magnitude from its middle outwardly in both directions, for the purpose of longitudinally tilting said support on a pivot pin passing through said opening.

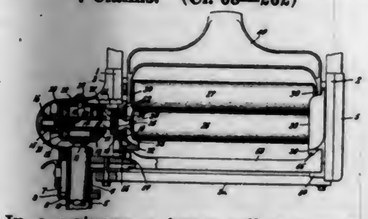
2,259,145
ARTICLE OF FURNITURE
Dorothy Derby Waldo, Grosse Pointe Farms, Mich.
Application May 7, 1940, Serial No. 333,802
1 Claim. (Cl. 45—93)



An article of furniture comprising, a top section including a central sub-section and two end sub-sections, said sub-sections each having a sliding drawer therein and having uniform vertical dimensions in excess of the vertical dimensions of the drawers, a piano type hinge connecting the lower transverse edges of the central sub-section with one lower transverse edge of each end sub-section, the transverse faces adjacent the hinged edges adapted to abut each other when the sub-sections are extended whereby the sub-sections present a substantially flat top surface, the combined width of the two end sub-sections substantially equaling the width of the central sub-section, and said end sub-sections being foldable through substantially 180° against the underside of the central sub-section with transverse faces of the end sub-sections substantially meeting each other to provide a compact form for storage or shipment, two independent end sections having drawers therein and of the same height and arranged to be positioned under the

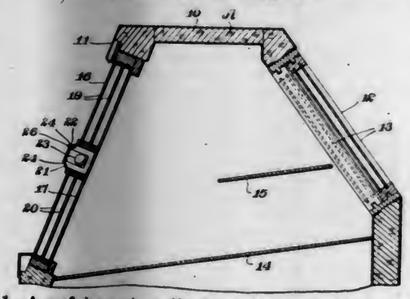
said end sub-sections when the top is extended, to provide a knee hole formation under the center sub-section, the center sub-section being disposed entirely between the end sections and rigidly supported thereby by the hinges extending along said lower transverse edges of the sub-sections, and indexing means on the top of the independent end sections and on the under side of the end sub-sections of the top in the form of interfitting projections and recesses integral with the sections for positioning the two independent end sections under the end sub-sections of the top.

2,259,146
WRINGER
George W. Wardwell, Jr., Nichols, Conn., assignor to General Electric Company, a corporation of New York
Application May 24, 1939, Serial No. 275,387
7 Claims. (Cl. 68—262)



1. In a wringer, a lower roll, an upper roll, a carrier for the upper roll, a frame carrying the lower roll and having recesses for loosely receiving the carrier in an upright position, cam surfaces on the frame at one side of the recesses and above the axis of the upper roll, projections on the carrier, means cooperating with the carrier upon tilting thereof for forcing said projections under said cam surfaces and thereby forcing the upper roll against the lower roll, said projections being moved past a center line connecting the lower roll and the cam surfaces whereby after reaching said center line the force exerted on the upper roll is effective to move the projections and hold the same under the cam surfaces, and cooperating fulcrums on the carrier and frame on the same side as said cam surfaces effective upon tilting of the carrier about the fulcrums to move the projections from under said cam surfaces.

2,259,147
REFRIGERATOR ILLUMINATING MEANS
Robert S. Ahrens, St. Paul, Minn., assignor to Seeger Refrigerator Company, St. Paul, Minn., a corporation of Minnesota
Application January 23, 1939, Serial No. 252,273
2 Claims. (Cl. 240—6)



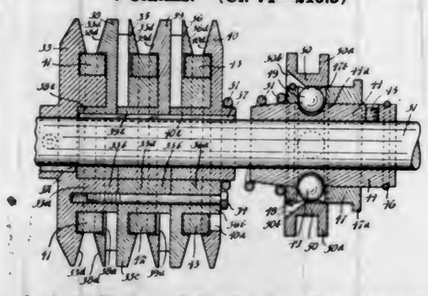
1. A refrigerator display case including a display compartment, an inclined rectangular opening having opposed ends and opposed sides, a single window pane extending within said opening and engaging the opposite sides and ends thereof, a channel member provided with an open side extending between the opposite sides of said opening with the open side thereof abutting said window pane, illuminating means housed within said channel member and additional panes of glass arranged in spaced relation and parallel to said window pane and each having an edge engaging said channel member with the remaining edges thereof engaging said inclined opening.

2,259,148
LIGHTING ATTACHMENT FOR TELEPHONES
William L. Burkhart, Cleveland, Ohio
Application December 4, 1939, Serial No. 307,451
3 Claims. (Cl. 240—2.17)



1. A lighting attachment for a telephone having a body member forming a support for dialing devices and provided on its upper wall with front and rear pairs of up-standing arms to form a cradle for the telephone receiver, comprising a casing having a light bulb mounted in the bottom wall thereof, a source of current supply for the bulb within the casing and switch means controlling the supply of current to the bulb, and a plate extending laterally from the rear wall of said casing and having spaced outer portions formed with openings through which the up-standing arms adjacent to said dialing devices removably extend, the engagement of the inner and outer walls of said openings with said arms serving to removably support said casing over and in spaced relation to said dialing devices.

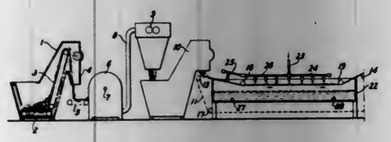
2,259,149
V BELT CLUTCH PULLEY
Harold A. Cederstrom, deceased, late of Minneapolis, Minn., by Horace W. Cederstrom, administrator, Minneapolis, Minn.
Application June 12, 1939, Serial No. 278,730
7 Claims. (Cl. 74—216.5)



1. A multiple V belt clutch pulley comprising a plurality of pairs of V belt pulley discs, the discs of adjacent pairs being independent of each other and having no connection and one disc of each pair being mounted for limited sliding movement to and from the other disc of the pair,

the outer facing portions of each pair of discs combining to form a V belt pulley groove, a ring journaled between the two discs of each pair for free rotation relative to the same and forming the bottom of the pulley groove produced by the pair of discs, means for maintaining all the sliding discs in closely spaced relation relative to the remaining discs of the pairs, and means for rendering said first mentioned means inactive to permit sliding movement of the sliding discs away from the remaining discs of the pairs.

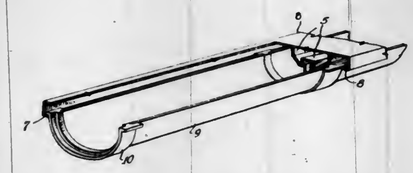
2,259,150
PRODUCTION OF CRIMPED CELLULOSE DERIVATIVE STAPLE FIBERS
Henry R. Childs and Wallace T. Jackson, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application February 29, 1940, Serial No. 321,540
4 Claims. (Cl. 19—66)



1. The method of producing crimped cut staple fibers closely simulating wool and other natural fibers which comprises subjecting thermoplastic fibers free from crimp-inducing agents and of the desired staple length to the following series of continuous operations: (1) disposing the fibers in a loose, open condition in which the fibers are positioned in an utterly random relationship with respect to one another in an indefinite number of different planes and in which condition contact is made by any given fiber with one or more of its associated fibers at a plurality of points, then (2) heating the fibers until they become soft and plastic and maintaining them in such soft and plastic condition until the fibers assume an irregular, undulated, crimped form due to the sagging of the suspended fibers and to pressure upon the various fibers by the other fibers with which they are in contact, and then (3) allowing the fibers to set in substantially the irregular, undulated, crimped form so assumed.

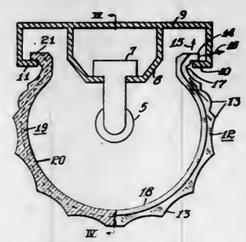
2,259,151
SUPPORT FOR ILLUMINATING WARE
Hugh J. Claspy, Monaca, Pa., assignor to Phoenix Glass Company, Monaca, Pa., a corporation of West Virginia
Application August 28, 1940, Serial No. 354,524
1 Claim. (Cl. 240—128)

A shielding device for lamps, comprising a cover plate member of generally channel form, mounted in inverted position and having inwardly turned flanges on its lower longitudinal edges, a substantially narrow supporting element of outwardly bowed form but having its extremities extending behind and supported on the flanges and freely slidable longitudinally thereof, a rib on the inner surface of the said element, and light-transmitting shield elements of outwardly bowed form and arranged in relatively longitudinal alinement, with their adjacent ends extending behind and resting upon the supporting element and abutting the said rib, the longitudinal edges of each shield element extending inwardly past the outermost planes of the



flanges, the shield elements being curved on a uniform radius throughout their lengths, whereby they may be cut to desired lengths for assembling with the supporting element.

2,259,152
LIGHTING FIXTURE
Hugh J. Claspy, Monaca, Pa., assignor to Phoenix Glass Company, Monaca, Pa., a corporation of West Virginia
Application August 28, 1940, Serial No. 354,525
3 Claims. (Cl. 240—128)

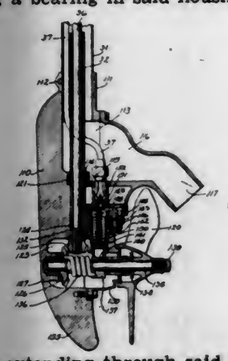


1. A lamp shielding device comprising horizontally-disposed shield-holding flanges and means for supporting them at opposite sides of a lamp, outwardly-bowed shield elements of trough-like form having their longitudinal edges disposed behind the said flanges and outwardly-bowed joining elements having their extremities disposed behind said flanges, the adjacent ends of the shield elements extending behind the joining elements, and clearance being provided between the innermost edges of said flanges and the adjacent sides of the shield elements and joining elements, along lines spaced downwardly from their said edges and extremities, whereby when one edge of each element is lifted a slight distance, said element can be slid laterally to move the opposite edge thereof from behind its associated shield-holding flange, to permit removal of the said elements from the shield-holding flanges.

2,259,153
WATER PUMP
Warren C. Conover, Waukegan, Ill., assignor to Outboard, Marine and Manufacturing Company, Waukegan, Ill., a corporation of Delaware
Original application June 6, 1938, Serial No. 212,078. Divided and this application February 29, 1940, Serial No. 321,473
6 Claims. (Cl. 115—17)

2. In an outboard motor lower unit, the com-

bination with a housing provided with a rearwardly opening gear chamber, of a closure secured to said housing at the rear thereof to close said chamber and having a cavity constituting an extension of said chamber, a propeller shaft having a bearing in said housing and said



closure and extending through said closure and provided with a propeller externally thereof, a pump mechanism unitarily mounted in said closure for application and removal therewith, and means on said shaft within said chamber extension for operating said pump mechanism.

2,259,154
PORTABLE ELECTRIC LAMP
Charles Vance Dame, Lanark, Ill.
Application September 30, 1938, Serial No. 232,485
3 Claims. (Cl. 240—59)



1. A lamp support comprising a base provided with a spherical concavity in its forward surface, a socket carrying member provided with a concavo-convex portion with the convex surface thereof adjustably positioned in said concavity, and a flexible strip member attached at the ends thereof to said base and provided with an intermediate convex surface nested in and pressing on the concave portion of said socket carrying member for retaining said member in adjusted position.

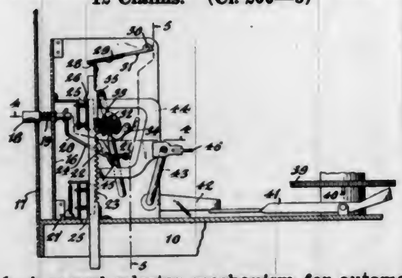
2,259,155
FIREWORKS
Louis L. Driggs, Jr., Tipp City, Ohio, assignor to The Kilgore Manufacturing Company, Westerville, Ohio, a corporation of Ohio
Application January 3, 1939, Serial No. 249,018
6 Claims. (Cl. 102—20)

2. A new article of manufacture for use as a fireworks comprising a fireworks body consisting of a compressed non-hygroscopic pyrotechnic pellet, a water-proof coating over said pellet, an agglomerated coating enclosing said pellet and a fuse mounted in said coatings, said fuse being mounted in a single hole extending into said pellet angular to the axis of the pellet, and a pasteboard wing structure attached to the bottom of



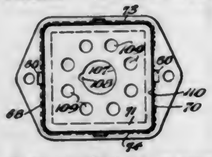
said pellet at right angles thereto, said wings being curved upwardly and, reversely warped, said upward curvature providing a substantially friction-free base for said fireworks to permit the fireworks to rotate due to the expulsion of gas through the fuse hole, said warped wings causing it to rise.

2,259,156
SEQUENCE SELECTOR FOR AUTOMATIC PHONOGRAPHS
Edward A. Ebert and Nelson J. Gleiser, Buffalo, N. Y., assignors to The Rudolph Wurlitzer Company, North Tonawanda, N. Y., a corporation of Ohio
Application June 29, 1939, Serial No. 281,846
12 Claims. (Cl. 200—5)



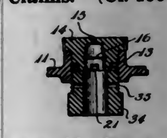
1. A record selector mechanism for automatic phonographs, comprising individually-movable selector elements projectable to an initial selective-setting position, and gear and rack means operatively associated with said selector elements for automatically projecting them progressively in advance of one another a given distance for each selection made, whereby said elements are adjusted in predetermined sequence-selective positions relative to one another, the rack means constituting a part of the selector elements and the gear being engageable with any one or all of the rack means.

2,259,157
THERMIONIC TUBE SOCKET
Hugh H. Eby, Philadelphia, Pa., assignor to Hugh H. Eby, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application June 16, 1937, Serial No. 148,546
2 Claims. (Cl. 173—339)



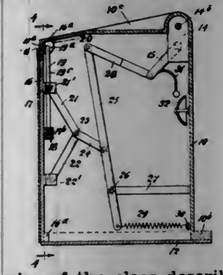
1. In radio tube sockets a mounting support comprising a metal stamping having a panel attaching ear, a wall portion angularly divergent from the attaching ear, a flange angularly divergent from the wall and including a resilient finger forming a yielding seat for a radio tube socket.

2,259,158
STORAGE BATTERY CELL COVER ASSEMBLY
Henry J. Flikkie, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application March 1, 1938, Serial No. 193,299
2 Claims. (Cl. 136—178)



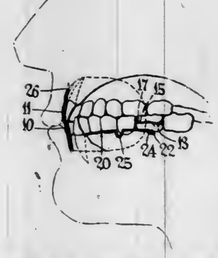
1. A cover assembly for a container for electrolyte comprising a cover having a theaded opening therethrough, and a threaded tubular valve and filling well structure engaging in the threaded opening of said cover for bodily vertical movement upon rotation in said opening and having a portion depending below the cover for providing between the cover and a normal electrolyte level a gas-trapping space adjacent said well structure beneath the cover in the raised position of said well structure, said well structure having a vent aperture in the wall thereof so located as to be in venting communication with said space below the cover when said well structure is in its lowered position and to be closed by said cover when said well structure is in its raised, gas-trapping position.

2,259,159
COUNTING APPARATUS
Herman Walter Gilbert, Kew Gardens, N. Y., assignor to Cutting Room Appliances Corp., New York, N. Y., a corporation of New York
Application September 20, 1939, Serial No. 295,767
3 Claims. (Cl. 235—91)



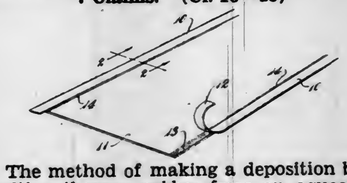
1. In a device of the class described, a hollow body for resting on a cutting table or other object and having a front opening, a counter mounted on said body so as to be viewable and having an operating radial arm movable to and fro for each digit advance, a vertical member extending across said front opening, means for resiliently holding said vertical member in a forward position, a yoke pivotally mounted within said body and pivotally connected with a central part of said vertical member, converging links pivotally mounted at their front ends on said vertical member on opposite sides of said central part and having their rear ends pivotally connected together, a connector link pivotally mounted on the rear ends of said converging links, a lever pivotally connected intermediate of its ends with said connector links, an arm connecting one end portion of said lever with said operating radial arm, and means for pivotally holding the other end portion of said lever.

2,259,160
ORTHODONTIC DEVICE
Clifford G. Glaser, Buffalo, N. Y.
Application February 24, 1939, Serial No. 258,261
4 Claims. (Cl. 32—14)



1. In a device for exerting a corrective influence against dental malocclusion, a substantially oblong resilient membranous element curved to fit vertically between the lips and the dental arches when the mouth is closed, said membranous element having an anchor part extending along its upper portion for support between the upper lip and upper dental arch of the patient, and an active part in the form of a skirt depending from the anchor part and being of supple but self-sustaining resilient material having generally the physical characteristics of soft rubber, said skirt being sufficiently resistant to deformation to exert a mild forward pressure against the lower lip for urging a misaligned dental arch to a position of correct occlusion.

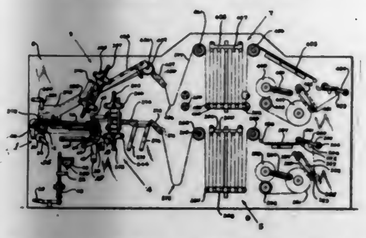
2,259,161
DEPOSITION BELT AND METHOD OF MAKING THE SAME
Merrill E. Hansen, Akron, Ohio, assignor to American Anode Inc., Akron, Ohio, a corporation of Delaware
Application April 2, 1940, Serial No. 327,443
7 Claims. (Cl. 18—15)



1. The method of making a deposition belt for depositing thereon rubber from an aqueous dispersion of rubber which comprises providing a relatively broad flexible belt and affixing to an edge of said belt a relatively narrow and thin tape of rubber so that the outer edge of the tape extends substantially beyond the outer edge of the belt, the tape being under tension and substantially stretched when affixed to the belt.

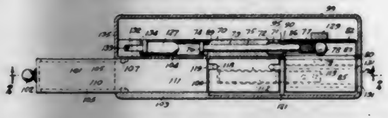
6. A floatable deposition belt for depositing rubber thereon from latex comprising a relatively thick body portion with a relatively thin and flexible longitudinal edge portion, said belt being so constructed and arranged that the thin edge portion is under tension when the belt is flattened out and will curl inward when the belt is curved.

2,259,162
APPARATUS FOR MANUFACTURING TIRES
Alf C. Hirsch, Julien F. Cullen, Arnold R. Krause, and Howard O. Hutchens, Eau Claire, Wis., assignors, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application November 4, 1937, Serial No. 172,710
17 Claims. (Cl. 154—10)



3. In a tire building machine, a pair of spaced supports for receiving tire elements including annularly assembled bead wires and fabric plies, means within the reaches of the supports for guiding the leading end of a fabric ply in strip form in tangential relation with the supports, and means within the reaches of the supports for severing the fabric, during rotation of the supports.

2,259,163
SHAVING DEVICE
John Holtzman, New York, N. Y., assignor to Magazine Repeating Razor Company, Bridgeport, Conn., a corporation of New Jersey
Original application May 31, 1930, Serial No. 458,150. Divided and this application January 4, 1935, Serial No. 456. Renewed May 6, 1939
9 Claims. (Cl. 30—40)

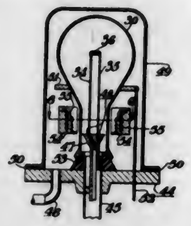


1. The combination with a razor comprising a blade holder and a handle pivotally connected to said holder, of a case for said razor, said case having a blade discharging slot therein, a member pivotally mounted in said case, said handle being detachably mounted on said member for positioning said razor in said case for blade ejecting and replenishing operation thereof, a plurality of blades in said case, an ejector member slidably mounted in said case for advancing a razor blade from the case into the holder of the razor, and through the slot of the case whereby the blade in the holder is ejected therefrom by the blade so advanced.

2,259,164
METHOD OF REACTING SULPHUR MONOCHLORIDE AND AMINES
Paul C. Jones, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application June 30, 1939, Serial No. 282,149
5 Claims. (Cl. 260—583)

1. In the method of preparing N-thioamines by reacting sulphur monochloride with a member of the class consisting of primary and secondary aliphatic, cycloaliphatic, and saturated heterocyclic amines in an anhydrous organic solvent immiscible with water and inert toward the sulphur monochloride and amine; the steps of adding sufficient water to the reaction mixture to dissolve the amine hydrochloride, separating the two liquid phases, and recovering the product from the organic solvent phase.

2,259,165
INCANDESCENT LAMP AND THE LIKE AND METHOD OF MAKING SAME
Samuel Karasick, Mount Vernon, N. Y.
Application March 13, 1937, Serial No. 130,707
4 Claims. (Cl. 176—2)



1. The method of forming a lamp which method comprises supporting a bulb-like envelope within a chamber, supporting lead wires and a filament carried thereby within said envelope, evacuating the interior of said envelope, evacuating the space within the chamber exteriorly of the envelope, pressing heated dies against a portion of said envelope to seal said lead wires therein and simultaneously from a socket engaging portion thereon.

2,259,166
TOWEL RACK
Louis W. Kendrick, Springfield, Mass.
Application March 15, 1940, Serial No. 324,220
2 Claims. (Cl. 211—123)

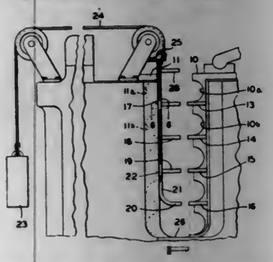


1. A device of the class described comprising in combination, a bracket, a rack member pivoted thereto for swinging movements upwardly from inoperative to operative position and an uppermost position therepast and to inoperative position, engageable locking means associated with said bracket and rack member releasably holding said member in operative position, and releasing means operative as the rack member swings past said operative position to uppermost position to disengage said locking means whereby the rack member may swing to inoperative position, said engageable locking means including notches provided on the rack member and spring means on the bracket engageable therewith and said releasing means including a pawl on the rack member acting on said spring means.

2,259,167
CYANHYDRIN INTERCHANGE
Frederick E. Küng, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application June 4, 1940, Serial No. 338,756
12 Claims. (Cl. 260—464)

1. The process which comprises reacting a cyanhydrin having both the cyano and the hydroxyl groups on the same carbon atom with a compound of the class consisting of aldehydes and ketones in the presence of an alkaline catalyst to form another similar cyanhydrin and another compound of the class consisting of aldehydes and ketones.

2,259,168
HANDLING APPARATUS FOR FORGING BLANKS
Merle W. Lamprecht, Rocky River, Ohio, assignor to The Hill Acme Company, Cleveland, Ohio, a corporation of Ohio
Application October 24, 1940, Serial No. 362,615
6 Claims. (Cl. 78—99)



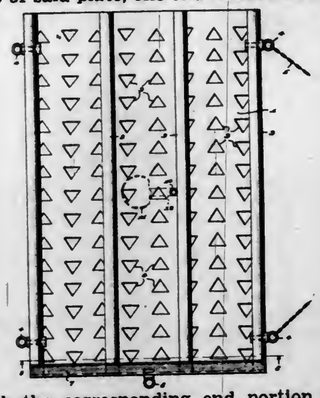
1. A blank transfer structure comprising vertically spaced fixed rests, a movable rest mounted for vertical movement, means biasing said movable rest upwardly, stop means providing an upper limit of movement of said movable rest to substantially the same horizontal plane as an upper one of said fixed rests, stop means providing a lower limit of movement of said movable rest to substantially the same horizontal plane as a lower one of said fixed rests, and said movable rest when in the same horizontal plane with one of said fixed rests forming a practically continuous horizontal support for movement of said blank.

2,259,169
RESINOUS MATERIAL
Julian R. Little, Packanack Lake, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application October 29, 1938, Serial No. 237,744
9 Claims. (Cl. 23—1)

7. A process which comprises bringing a fluid into contact with a synthetic resin having anion-exchange properties, which resin results from reacting a polyalkylene polyamine, an aldehyde, and a ketone, whereby to selectively sorb from the fluid a desired constituent.

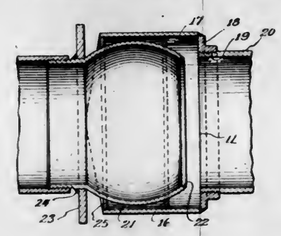
2,259,170
AGRICULTURAL IMPLEMENT
Howard L. Lockridge, Augusta Springs, Va.
Application January 20, 1940, Serial No. 314,870
2 Claims. (Cl. 55—23)

1. An agricultural implement comprising a plate, a plurality of spaced, parallel bars of substantially segmental section fixed transversely on one side of said plate, one end of said bars being



bevelled, the corresponding end portion of the plate extending beyond this end of the bars and terminating in a downwardly and inwardly turned flange fixed to the bevelled ends of the bars.

2,259,171
SELF-SEALING BALL JOINT
Howard W. Miller, Wausau, Wis.
Application June 8, 1940, Serial No. 339,435
5 Claims. (Cl. 285—91)

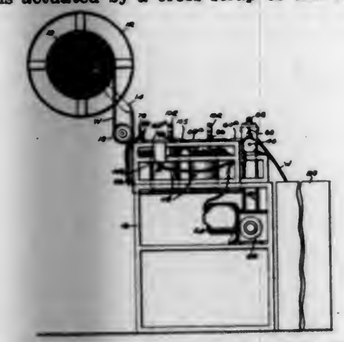


1. In a flexible pipe fitting, a sleeve-like cylindrical member; a pair of inwardly extending metal flanges secured in parallel spaced apart relation in said cylindrical member; a ball shaped member having inlet and outlet openings and having its rounded surface in slidable engagement with the inner edge surfaces of said flanges respectively; and an integral sleeve-like neck portion extending outwardly from said ball shaped portion to provide for connecting the same to a pipe; and a metal collar about said outwardly extending portion of said member adapted to engage the exterior of said cylindrical member to limit movement of said ball member.

2,259,172
TEXTILE CUTTING MACHINE
Frederick D. Murdock, Pawtucket, R. I.
Application August 1, 1940, Serial No. 349,167
16 Claims. (Cl. 26—7)

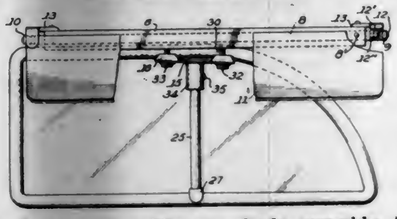
1. A textile cutting machine for cutting the floats of ladder webbing comprising, in combination, means for moving the webbing continuously; means constructed and arranged to separate the main tapes of the webbing; a cutter movable between said separated main tapes; and

means actuated by a cross strap of the webbing



to move said cutter to cut a float while the webbing continues its movement.

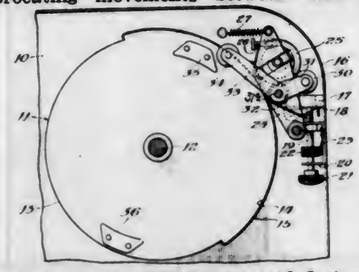
2,259,173
AUTOMOBILE SUNSHADE
Jay Dudley Neal, Oklahoma City, Okla.
Application October 7, 1940, Serial No. 360,013
2 Claims. (Cl. 296—95)



1. In an automobile sun-shade assembly, the combination with a movable sun-shade, of a shade-bar for supporting the same, bearings for said shade-bar, and in relation to which the bar may be longitudinally moved, a clip-plate for holding the bearings, a metal shield covering the shade-bar and bearings, and to which the shade bar is affixed, a pad secured to the shield, a tubular support for the clip-plate, a stud bolt depending from the clip plate and entering the tubular support, and adapted to adjustably position the clip-plate, means to hold the plate and support in adjusted positions and means to retain the adjusting means in position.

2,259,174
DUPLICATING APPARATUS
Morris P. Neal, Villa Park, and William J. Champion, La Grange, Ill., assignors to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application April 7, 1939, Serial No. 266,519
6 Claims. (Cl. 101—147)

1. In a moistening mechanism for applying moisture to the surface of a member carried past said mechanism, the combination of a roller rotatably mounted in position to engage said member, a receptacle for liquid extending along said roller adjacent thereto, an absorbent member in said receptacle extending downwardly into position to engage a body of liquid in the receptacle, a ductor roll having its outer face and a comparatively large portion of its body formed of resilient compressible and absorbent material rotatably mounted between said first named roller and said absorbent member and movable into position to engage the roller and the absorbent member alternatively for taking liquid from said absorbent member and feeding it to said roller, and means for giving said ductor roll reciprocating movements between said first-

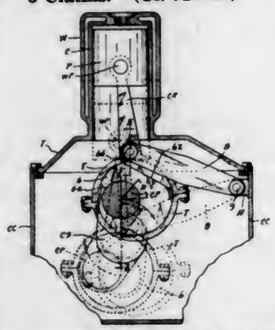


named absorbent member and said first-named roller adapted to flatten said ductor roll substantially against the absorbent member in the receptacle in position to take up by suction a substantial supply of liquid from said absorbent member for application to said roller.

2,259,175
TREATMENT OF RUBBER
Philip T. Paul, Naugatuck, Conn., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application July 7, 1937, Serial No. 152,373
7 Claims. (Cl. 260—808)

7. A method of preserving rubber which comprises incorporating therein a diarylamine having an aryl group directly bonded to oxygen which is singly bonded to boron of a boron-containing radical derived from boric acid, said aryl group having its nucleus free of substituent hydroxyl groups in the positions ortho to the oxygen.

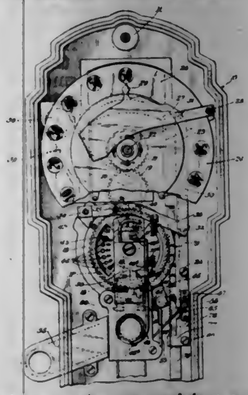
2,259,176
INTERNAL COMBUSTION ENGINE
Earl H. Pitney, Willmar, Minn.
Application October 2, 1939, Serial No. 297,418
3 Claims. (Cl. 74—44)



1. In an internal combustion engine, the combination with a cylinder, a crank disposed below said cylinder, a piston reciprocably mounted in said cylinder, a wrist pin and a connecting rod, of mechanism for changing the relative position of the connecting rod with reference to the center of the crank pin during the revolution of the crank shaft comprising, an oscillatory member having a purely pivotal connection with the lower

end of said connecting rod and having an eccentrically disposed bearing in which the pin of said crank is journaled, and an actuating torque connection having one of its ends connected with said oscillatory member at a point eccentric to said pivotal connecting rod connection and also eccentric to said crank pin bearing and adjacent the longitudinal center line of said connecting rod when said piston is in uppermost position, said torque connection extending transversely of the axis of said crank and having its outer end pivoted to an anchorng member disposed at some distance to one side of the longitudinal center line of said piston, the length of said torque connection and its relation to said oscillatory member and the bearing for said crank pin being such that in the reciproation of said piston a lag occurs in the upper movement thereof and said crank pin moves past dead center relation with the axis of said crank and said wrist pin before said pistcn starts its downward movement, and that the downward movement of said piston is relatively rapid during the first part of its downward stroke, gradually decreasing in speed toward the lower portion of its downward stroke.

2,259,177
PARKING METER
David C. Rockola, Chicago, Ill., assignor to National Park-O-Graf Corporation, Chicago, Ill., a corporation of Illinois
Application July 12, 1937, Serial No. 153,103
7 Claims. (Cl. 194—61)

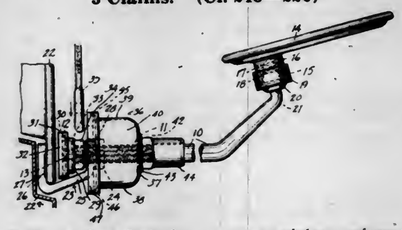


1. A parking meter comprising a parking period indicator, means for operating said indicator, means freeable by an inserted coin for energizing said operating means, means for discharging said coin from the meter, and means controlled by said operating means for rendering said discharging means ineffective to discharge the coin after a predetermined initial portion of said period.

2,259,178
METHOD OF MAKING COMPOSITE TITANIUM PIGMENTS
Lonnie W. Ryan, Westfield, N. J., and Winfred Joseph Cauwenberg, Piney River, Va., assignors to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application June 7, 1939, Serial No. 277,810
7 Claims. (Cl. 106—300)

1. The steps in the method of preparing composite pigments containing titanium dioxide which comprises mixing a titanium sulfate solution and an aqueous suspension of an extender which acts as a nucleus for the hydrolytic precipitation of hydrated titanium dioxide, under such conditions that the admixture is complete in not over three minutes and immediately thereafter rapidly heating the mixture to a temperature where the titanium content of the solution is hydrolytically precipitated.

2,259,179
REAR-VISION MIRROR BRACKET
Henry J. Sauer, Fairfield, Conn., assignor to The Kilborn-Sauer Company, Fairfield, Conn., a corporation of Connecticut
Application April 17, 1940, Serial No. 330,026
3 Claims. (Cl. 248—226)



3. In a bracket for a rear vision mirror or the like for attachment to a vehicle member having inner and outer substantially parallel surfaces and an edge surface between said inner and outer surfaces, a bracket arm, an inner clamping member having a hub portion secured upon said arm in spaced relation to the end of said arm, a clamping portion to engage the inner surface of said vehicle member, and a connecting arm portion between said hub and clamping portions to extend about said edge surface of said vehicle member, an outer clamping member disposed between the end of said arm and the outer surface of the vehicle member to clampingly engage it, a nut screwed upon the inner end of said arm between said hub portion of said inner clamping member and said outer clamping member adapted upon being screwed toward said outer surface of said vehicle member to clamp said outer clamping member against the outer surface of said vehicle member, and a casing member adjustably mounted upon said bracket arm outwardly of said hub portion for movement between open and closed position, adapted in the open position to expose said nut at its peripheral sides and adapted in the closed position to engage the outer surface of said vehicle member in surrounding relation to said nut and said outer clamping member, one wall of said casing member being slidably engageable with the surface of said connecting arm portion of said inner clamping member.

2,259,180
METHOD FOR CONTINUOUS POLYMERIZATION
Frank K. Schoenfeld and Waldo L. Semon, Silver Lake, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application October 27, 1938, Serial No. 237,242
4 Claims. (Cl. 260—32)

2. The method of polymerizing a monomer so volatile that its vapor pressure at the temperature at which the polymerization is being effected exceeds atmospheric pressure, which comprises passing a dispersion of the monomer in a liquid

medium at a temperature above the boiling point of the monomer through an open reactor in which



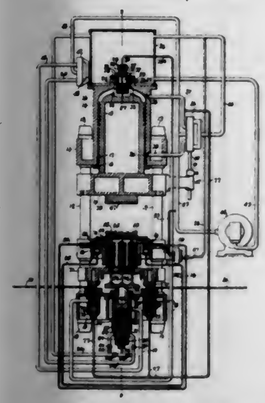
the hydraulic pressure at any point is greater than the vapor pressure of the charge being continuously delivered at that point in the reactor.

2,259,181

PLASTIC EXTRUSION PRESS

Victor S. Shaw and Walter Ernst, Mount Gilead, Ohio, assignors to The Hydraulic Press Corporation, Inc., Wilmington, Del., a corporation of Delaware

Application June 25, 1936, Serial No. 87,270
17 Claims. (Cl. 18—30)



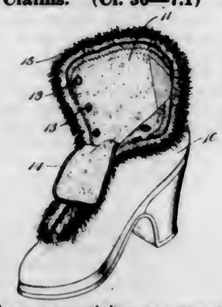
1. In combination in a molding press, a plurality of cooperating dies, one of said dies being movable into and out of engagement with the other die, devices connected to said movable die for moving said movable die into a closed position relatively to said other die, a movable injector adapted to inject molding material into said dies, fluid pressure means for discharging the contents of said injector, hydraulic ram means for moving said injector into engagement with one of said dies, and hydraulically-actuated means mounted to move with said injector and in communication therewith for supplying molding material to said injector, said ram means having passages therethrough communicating with said hydraulically-actuated material-supplying means.

2,259,182

OVERSHOE

Pearl Y. Smiley, Kitchener, Ontario, Canada, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application October 7, 1939, Serial No. 298,441
2 Claims. (Cl. 36—7.1)



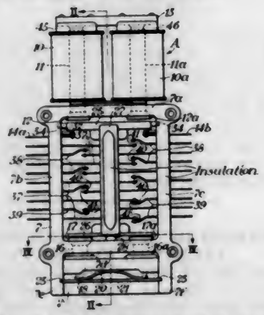
1. An overshoe comprising an upper having a vent-opening extending to the top of the overshoe, and a trimming strip for the margin of the vent-opening and the upper edge of the overshoe, said strip comprising a narrow band of flexible anchoring material and ornamental material on one face thereof, one edge of said strip being secured in substantially edge-to-edge relation to the upper along the vent with its ornamental material facing inwardly, and being secured along the same edge of the strip to the outside of the upper along its top below the upper edge of the overshoe by a continuous fastening, and passing, by offset and edgewise bending, from the edge-to-edge relation to its relation on the outside of the upper without disturbing the smoothness of the inner face of the upper, the trimming strip being flexed outwardly from the upper along its length with its other edge secured to the outer face of the upper along a zone spaced from the edges of the upper to present its ornamental face outwardly.

2,259,183

ELECTRICAL RELAY

Clarence S. Snavely, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application December 23, 1939, Serial No. 310,713
5 Claims. (Cl. 200—104)



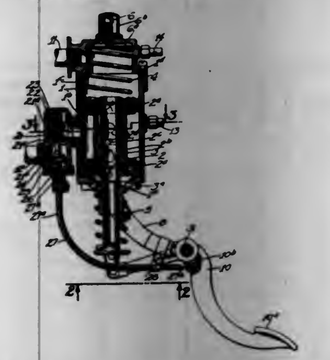
1. An electrical relay comprising a plurality of flexible contact fingers rigidly supported at one end and cooperating at their free ends with fixed contact fingers, a contact operating member mounted for straight line movement between two extreme positions and provided with a plurality of projections forming slots through which the entire width of said flexible fingers extend intermediate their ends, the two projections which form each slot being disposed on opposite sides of the center line of said member and being so spaced that when said member is in its mid stroke position they will just touch the opposite sides of the associated finger, whereby said fingers are positively moved between two positions in response to movement of said member between its two positions but that binding of said fingers in said slots is prevented, and electromagnetic means for actuating said contact operating member between its two extreme positions.

2,259,184

BRAKE CONTROL VALVE MECHANISM

Theodore A. Stehlin, Los Angeles, Calif., assignor to T. Clifford Melim, Honolulu, Territory of Hawaii

Application October 5, 1939, Serial No. 298,080
14 Claims. (Cl. 303—54)



1. In a brake system for vehicle wheels, a valve mechanism for controlling connections from a fluid pressure means to a wheel brake mechanism, comprising a casing, a plunger reciprocally mounted therein, a spring between the casing and the plunger for forcing the plunger toward one end of the casing, a lever for manually shifting the plunger against the action of the spring, a piston mounted in the casing, and another spring urging the piston in the direction in which the plunger is urged by its spring, the depression of the plunger against its spring connecting the fluid pressure means with the brake mechanism and proportionately urging the piston to compress its spring and partially to reduce the connection made by the plunger.

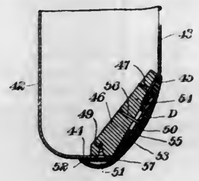
2,259,185

REFRIGERATOR CABINET

Enoch Swedman, St. Paul, Minn., assignor to Seeger Refrigerator Company, St. Paul, Minn., a corporation of Minnesota

Application October 20, 1937, Serial No. 170,037
3 Claims. (Cl. 220—9)

1. A refrigerator cabinet comprising inner and outer sheathings having marginal edges spaced apart, a frame connecting said marginal edges and a molding overlying the connection between said marginal edges and contacting the same, said molding including a strip of non-metallic flexible resilient material and a relatively stiff reinforcing member partially and removably embedded within said molding, said reinforcing member being of a width to overlap said sheathings, said molding leaving a portion of said member exposed throughout its length between said marginal edges on the side thereof adjacent said frame, and anchoring means secured to said



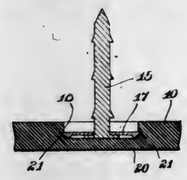
strip projecting from said exposed portion of said strip and extending into said frame between said marginal edges, said non-metallic flexible strip being interposed between said metallic strip and said marginal edges.

2,259,186

METHOD OF APPLICATION OF REFRIGERATOR MOLDING WITH CONCEALED SECURING NAILS

Enoch Swedman, St. Paul, Minn., assignor to Seeger Refrigerator Company, St. Paul, Minn., a corporation of Minnesota

Application September 3, 1936, Serial No. 99,315
10 Claims. (Cl. 20—74)



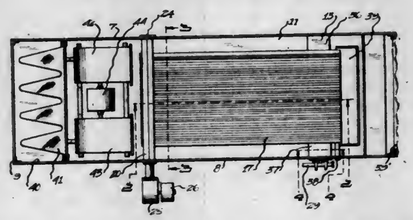
5. A breaker strip comprising a panel-like body portion having a recess therein and attachment means for a fastener expanded into said recess.

2,259,187

HEATING UNIT

John T. Turnbull, Detroit, Mich.

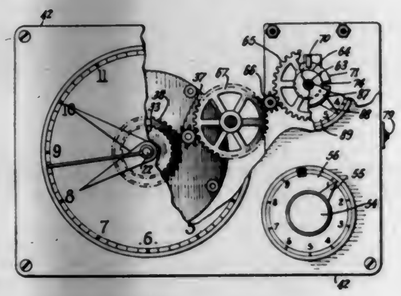
Application November 2, 1938, Serial No. 238,465
4 Claims. (Cl. 126—110)



1. In a heating unit of the class described: an air chamber through which air may be delivered, said chamber having oppositely disposed side walls; a combustion chamber positioned within and extended transversely of said air chamber adjacent one end, there being formed in each of said side walls, between said combustion chamber and the opposite end of said air chamber, an opening; a conductor in said air chamber for conducting exhaust gases from said

combustion chamber; a hollow manifold communicating with said conductor and extended transversely of said air chamber; and means for mounting said manifold in registration at its opposite ends with said openings.

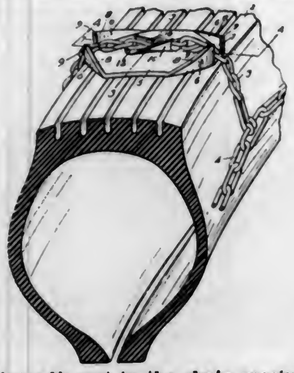
2,259,188
TIMING DEVICE
Richard H. Whitehead, New Haven, Conn., assignor to New Haven Clock Company, New Haven, Conn., a corporation of Connecticut
Application February 8, 1939, Serial No. 255,229
5 Claims. (Cl. 161—9)



1. A device for controlling the flow of an energy possessing medium and having flow starting and flow stopping mechanisms comprising an electrically driven time train and indicating hands driven thereby, a flow stopping shaft rotatable from an initial position, an escapement controlled spring driven time train for returning said flow stopping shaft to its initial position at a controlled rate, a flow starting shaft, a cam member, said starting shaft and cam comprising two elements rotatable with regard to each other, one element being manually rotatable for setting purposes and means driven by the electrically driven time train for continuously driving the other element, means for urging said starting shaft endwise, cooperating devices upon said starting shaft and cam to permit endwise movement of said shaft in one point in the relative rotative position of said elements and means upon said starting shaft to restrain movement of said escapement controlled time train, except when said flow starting shaft is moved endwise, means connected to said flow starting shaft to be operated by said endwise movement to start the flow of said medium and means operated by the power stopping shaft to stop the flow when said flow stopping shaft reaches its initial position.

2,259,189
NONSKID ATTACHMENT
David Williams and Ralph S. Holcomb, Warren, Pa.
Application January 20, 1940, Serial No. 314,802
3 Claims. (Cl. 152—224)

2. A non-skid attachment comprising an elongated plate providing four corners, said corners projecting upwardly forming flanges extending diagonally across the corners with adjacent corners arranged in pairs, one pair at each side of the fore and aft center line of the plate, the adjacent edges of the flanges being spaced to form a cross chain receiving opening, the flanges being inclined from the fore and aft edges of the plate

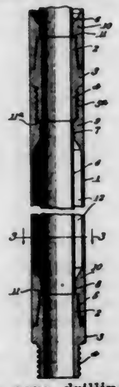


to a point adjacent to the chain receiving opening.

2,259,190
RUBBER CHLORIDE COMPOSITION AND METHOD OF TREATING SAME
Herbert A. Winkelmann, Chicago, Ill., and Eugene W. Moffett, Milwaukee, Wis., assignors to Marbon Corporation, Gary, Ind., a corporation of Delaware
No Drawing. Application February 23, 1940, Serial No. 320,468
7 Claims. (Cl. 260—735)

1. An adhesive cement for uniting rubber and the like to metal and the like, said cement consisting essentially of rubber chloride, a volatile solvent, sulfur, and a minor amount of an organic accelerator for the vulcanization of rubber.

2,259,191
STEM FOR CORE DRILLS
Norval David Allen, Seguin, Tex.
Application Sept. 27, 1939, Serial No. 296,868
3 Claims. (Cl. 255—72)



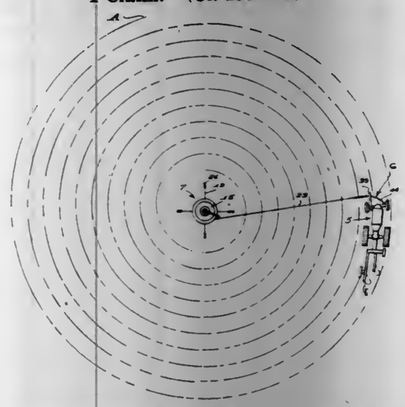
1. A stem for core drilling operations, comprising tubular stem sections of the same external diameter throughout the length thereof and having inwardly enlarged ends internally threaded, core conveying tubes within the tubular stem sections and terminating adjacent the threads of the tubular stem sections, and tool joints screwed within the threaded ends of the tubular stem sections and contacting the core conveying tubes and having bores flush with the bores of said tubes, and central portions of the same external diameter as the tubular stem sections.

2,259,192
VARIABLE BAG CLOSURE
John F. Ames, Selma, Ala.; Evelyn H. Ames executrix of said John F. Ames, deceased
Application September 6, 1938, Serial No. 228,637
4 Claims. (Cl. 229—62)



1. An article of the character described comprising a bag and a closure member, said bag having a face and a back, said closure member being united to said face and back and having parts thereof united together, said closure member comprising a preformed loop of material.

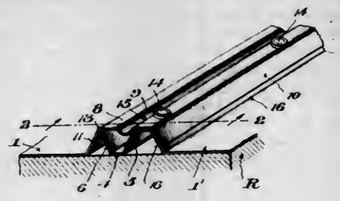
2,259,193
AUTOMATIC TRACTOR CONTROL
Frank Winston Andrew, Palmyra, Ill.
Application April 26, 1940, Serial No. 331,851
1 Claim. (Cl. 180—79)



In combination, a drum, a tractor, said tractor including a steering mechanism, an arm extending from the steering mechanism, a line having one end connected to the drum, and its opposite end connected to the arm, and tensioning means tending to pull the arm in a direction opposite from the pull exerted by the line, a tractor control switch, and a connection between the tractor control switch and the said mechanism for operating the switch upon straightening of the steering mechanism.

2,259,194
METALLIC ROOFING
Guy Wallace Arnold, Indianapolis, Ind., assignor to Continental Steel Corporation, Kokomo, Ind., a corporation of Indiana
Application March 6, 1941, Serial No. 382,064
3 Claims. (Cl. 108—18)

1. In a metallic roofing, a joint between adjacent sections including an inverted substantially U-shaped portion adjacent a side part of one section terminating in a substantially U-shaped portion, the inner leg of the latter being common to the outer leg of the inverted U-shaped portion, and the other leg of which U-shaped portion formed by the edge portion of said side part of the section, and a second section having a side part thereof formed with an inverted substantially U-shaped portion that overlies and seats upon the top of the inverted U-shaped portion of the first section and receives in the angle between its inner leg and its top the terminal edge of the outer leg of the U-shaped portion of the first section and having its outer leg conformably engaged over the inner leg of the inverted U portion of the first section and terminating in spaced relation to the upper face of

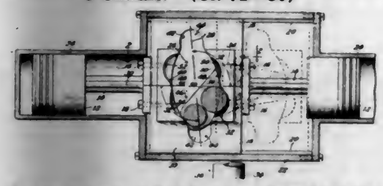


the first section, the legs of the U-shaped portion of the first section being disposed at substantially similar angles to the base of said last named U-shaped portion, and being of substantially equal height, the outer leg of said last named U-shaped portion having its free edge engaged with the inner leg and top of the inverted U-shaped portion of the second section in the angle formed by and between said inner leg and top of the inverted U-shaped portion of the second section whereby to brace the said inner leg and top and a nail-like fastener extending through the top of the inverted U portion of the first section and the top of the U-shaped portion of the second section that seats thereon so as to hold the sections in assembled relation.

2,259,195
PRODUCTION OF DEHYDROGENATION PRODUCTS FROM ALIPHATIC HYDROCARBONS AND HALOGENATED HYDROCARBONS
Hans Baehr and Wilhelm Deiters, Leuna, Germany, assignors, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana
No Drawing. Application May 4, 1938, Serial No. 205,976. In Germany May 5, 1937
9 Claims. (Cl. 260—680)

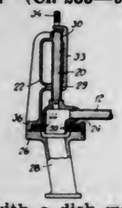
1. The process of dehydrogenating butane which consists in causing a mixture of butane with chlorine, containing at least 0.3 and at most about 2.2 molecular proportions of chlorine for one molecular proportion of butane, to react in the gas phase at temperatures between 300° and 800° C., the time of heating and the temperature being so chosen as to avoid substantial formation of compounds having less carbon atoms than the hydrocarbon to be dehydrogenated, quenching the gaseous reaction mixture to about ordinary temperature by contacting it with partially chlorinated aliphatic hydrocarbons containing 4 carbon atoms, removing the hydrogen chloride by contacting the gaseous reaction mixture with a solvent for hydrogen chloride, and separating the unsaturated hydrocarbons obtained from co-present material.

2,259,196
ENGINE
Harry A. Beckstrom, Seattle, Wash.
Application June 3, 1940, Serial No. 338,642
5 Claims. (Cl. 74—50)



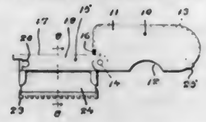
1. In an engine, a guide, a crosshead slidable in said guide, a reciprocatory piston connected with said crosshead for actuating the latter, said crosshead having a generally elliptically contoured opening extending therethrough with the walls of the opening comprising cam faces, a crankshaft having a crank arm means provided with a crank pin extending through said opening and operating on said cam faces for rotating the crankshaft when said crosshead is reciprocated, stabilizing cams on said crosshead along the major axis sides of said opening, and a stabilizing element carried by said crank arm means and coacting with said stabilizing cams for holding the crank pin in respective engagement with said cam faces.

2,259,197
PACKING FOR DISHWASHING MACHINES
Tord Erik Daniel Bilde, Ulvsunda, Sweden, assignor to Bolinder's Fabriks Aktiebolag, Stockholm, Sweden, a corporation of Sweden
Application June 20, 1939, Serial No. 280,202
In Sweden June 29, 1938
1 Claim. (Cl. 285—96.8)



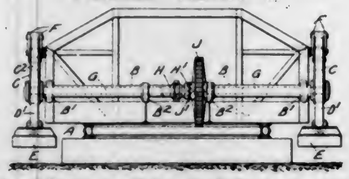
In combination with a dish washing machine having a fixed part provided with a housing, a rotatable spray pipe extending into the housing and spaced from the side wall thereof, packing means mounted in said housing, said packing means including a plurality of superimposed disks through which the spray pipe extends, said disks being normally axially displaceable relative to one another, alternate disks each having its inner peripheral edge bearing against the spray pipe and its outer peripheral edge spaced from the adjacent wall of the housing, the other disks each having an outer peripheral edge bearing against the adjacent wall of the housing and an inner peripheral edge spaced from the spray pipe, the engagement of the disks with the spray pipe being such as to permit rotation of the latter, said fixed part having a passage for conducting liquid to the spray pipe, and the bottom disk being exposed to the liquid as it flows through the fixed part so as to cause the disks to be moved bodily upwardly and the top disk to be pressed tightly against the adjacent wall of the housing by the liquid pressure and to be withdrawn therefrom when the liquid pressure is cut off.

2,259,198
RAZOR
Emanuel Bricher, Sugar City, Idaho
Application July 3, 1940, Serial No. 343,893
4 Claims. (Cl. 30—47)



4. In a razor construction, a combined handle and blade case, a channel-shaped arm pivoted to said handle, a guard, a blade detachably carried by said guard, and bar means detachably connecting said guard to the end of said arm and positioning the guard transversely on the end of the arm, said means operable for positioning said guard in two different positions lengthwise of the arm to permit shaving of either sides of the face with one of said last-mentioned positions and permitting said blade and guard to be disposed in said case upon pivoting movement of said arm to a position within said case.

2,259,199
MACHINE PROVIDED WITH WALKING APPARATUS
Colin McLeod Cameron and Alfred Thomas Heath, Ipswich, England, assignors to Ransomes & Rapier Limited, Ipswich, England, a company of Great Britain
Application February 21, 1940, Serial No. 320,222
In Great Britain March 3, 1939
7 Claims. (Cl. 180—8)

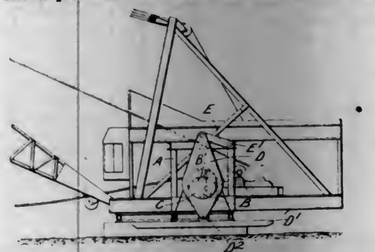


1. A walking machine including, in combination, a main frame, tubular axles rigidly secured to the main frame, a "foot"-supporting member at each side of the frame, a rotary operating member supported on bearings on the end of each rigid tubular axle and engaging the central part of said foot supporting member, an axle shaft extending through each tubular axle and connected at its outer end to the adjacent rotary operating member, and driving mechanism for applying rotary movement to the inner ends of the axle shafts to drive the same.

2,259,200
TRACTION OR PROPULSION MECHANISM OF THE WALKING TYPE
Colin McLeod Cameron and Alfred Thomas Heath, Ipswich, England, assignors to Ransomes & Rapier Limited, Ipswich, England, a company of Great Britain
Application February 21, 1940, Serial No. 320,223
In Great Britain March 3, 1939
1 Claim. (Cl. 180—8)

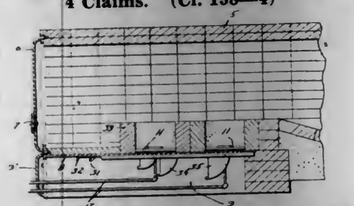
A walking machine including, in combination two "feet," an approximately vertical lever associated with each foot and to the lower end of which the foot is pivotally connected, a power-driven rotary crank-like operating member acting on the central part of said lever, and a link pivotally connected at one end to substantially

the upper end of said member and at its other end to a fixed part of the machine and extending in



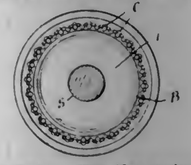
a substantially horizontal direction and which link when in its mean position has a substantially horizontal component.

2,259,201
OIL BURNING FURNACE FOR TOBACCO BARNS
Jack Perry Carey, Kinston, N. C.
Application November 27, 1939. Serial No. 306,379
4 Claims. (Cl. 158—4)



1. An oil burner for furnaces comprising a mounting base above the bottom of the furnace to provide an air chamber beneath the base, said chamber having communication with the atmosphere, an oil tray supported on the base and having air vents communicating with the chamber, each of the air vents having upstanding edges, said tray including a plurality of upstanding concentrically spaced walls defining a plurality of concentric oil pans and including an inner pan, an intermediate pan and an outer pan, said inner and outer pans having the vents extending therethrough, an oil feed pipe communicating with the inner pan, overflow notches in the upper edges of the walls, except the outermost wall, to feed oil to said pans and slides carried by the base for controlling passage of air through the vents.

2,259,202
THREAD CONTROL DEVICE FOR RAYON SPINNING MACHINES
Wilfrid B. Cooper, Rome, Ga., assignor to Tubize Chatillon Corporation, New York, N. Y., a corporation of Delaware
Application March 16, 1938, Serial No. 196,182
5 Claims. (Cl. 18—8)



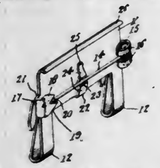
1. A control device for the spinning of rayon thread which comprises a base member adapted to be mounted upon a shaft, a plurality of contact elements in the form of rods made of a ceramic material containing titanium dioxide as its principal constituent, and means for mounting the contact elements in spaced relation on the base member and concentric with the shaft, whereby the contact elements form a plurality of thread-contacting surfaces.

2,259,203
MEANS FOR IDENTIFYING BOOK CONTENTS
Frank E. Fleming, Jr., Joliet, Ill.
Application August 2, 1940, Serial No. 349,742
2 Claims. (Cl. 283—40)



2. A book having covers and having contents of substantial thickness arranged in progressive order, and means located along the opening edge of the book for identifying the progressive order including a plate secured to one cover of the book and having an edge extending diagonally across the opening edge from a corner adjacent one cover of the book to a corner adjacent the other cover of the book, there being means associated with the plate for identifying the progressive contents of the book and the plate being adapted, in combination with such identifying means, to arrest the finger of the reader at the desired point.

2,259,204
KEY HOLD
Nell Fulton, New York, N. Y.
Application November 28, 1940, Serial No. 367,649
4 Claims. (Cl. 24—13)



1. A key hold comprising a plate, a resilient pin fastener hinged to said plate, a keeper on the plate to detachably receive the free end of the pin, and a tension member on the plate intermediate the ends of the pin and extending transversely of the pin, said tension member being of resilient material with one end affixed to the plate and the other free end curved to form a bearing against said plate and with the intermediate part of the member forming a bridge in spaced relation from the plate, said member having inclined walls leading upwardly to the central portion of the bridge, said bridge having between said inclined walls a groove in alignment with the pin to receive such pin, such grooved portion being spaced from the plate a greater distance than said keeper or the pivot of the pin.

2,259,205
NOVELTY FOLDER
Edmund P. Heilpern, Topeka, Kans.
Application September 19, 1939, Serial No. 295,672
3 Claims. (Cl. 46—37)

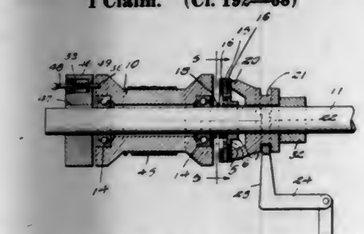
1. A novelty device comprising a strip having a center portion and fold sections on opposite sides of the center portion and said fold sections be-

ing of lesser width than the center section, a figure on the front face of the strip and covering said fold sections, and partial figures illustrated



on the rear faces of said fold sections whereby the figure may be progressively diminished as the fold sections are folded toward the center.

2,259,206
CATHEAD FOR DRILLING APPARATUS
Arnold R. Hopkins, Nevada, Mo.
Application February 20, 1939, Serial No. 257,520
1 Claim. (Cl. 192—68)



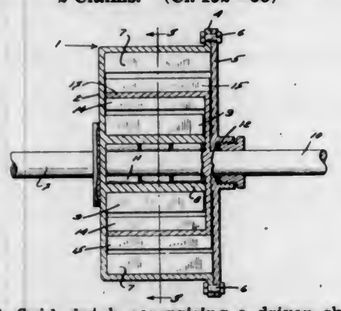
A cat head clutch for clutching cat heads to a shaft, comprising the combination with a shaft of a single plate annular clutch disk provided on both sides with facings, a hub splined on the shaft provided with a flange, connectors engaged through the clutch disk and the flange, a helical spring sleeved on the shaft engaging the flange, a pressure plate splined on the shaft against which said spring yieldably holds the facing on one side of the clutch disk, said pressure plate being provided with an integral grooved collar for receiving a shipper, and a stop collar on the shaft in rear of the pressure plate against which said spring yieldably holds the pressure plate to hold the clutch unclutched.

2,259,207
CONTACT SHIM FOR ELECTRICAL RECEPTACLES
John Whitsel Hunt, Philadelphia, Pa.
Application August 7, 1940, Serial No. 351,690
1 Claim. (Cl. 173—338)



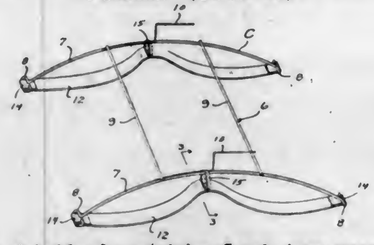
In combination, an electrical receptacle comprising a front wall having a plug blade entrance and an internal spring contact, said spring contact having a spring arm positioned obliquely with respect to said entrance and spaced from another wall of said receptacle, a shim between said spring arm and said wall, said shim consisting of a pair of divergent spring arms having their free ends engaging said front wall on opposite sides of said entrance, with one of said arms lying along and electrically engaging the outer surface of said spring arm of the receptacle contact, said shim having its remaining spring arm engaging said other wall of the receptacle, and a yoke connecting the ends of said spring arms of the shim remote from said entrance.

2,259,208
FLUID CLUTCH
Cedric W. Hutchison, El Monte, Calif., assignor of thirty-five per cent to Robert N. Hutchison, Covina, Calif.
Application January 24, 1941, Serial No. 375,867
2 Claims. (Cl. 192—58)



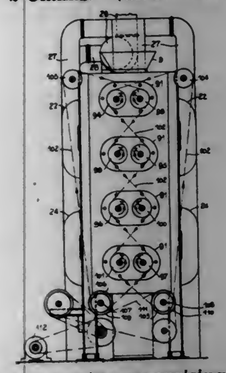
1. A fluid clutch comprising a driven shaft, a housing, for the reception of a fluid, fixed on said driven shaft, a drive shaft extending rotatably into the housing, a drum on said drive shaft operable in the housing, vanes on the inner and outer peripheries of said drum, a sleeve in the housing rotatable therewith and spaced concentrically from the drive shaft, a bearing between said sleeve and said drive shaft, vanes radiating from the sleeve and cooperable with the inner drum vanes, and vanes on the inner periphery of the housing cooperable with the outer drum vanes.

2,259,209
FLORAL SPRAY HOLDER FOR CASKETS
Paul J. Lucas, Shamokin, Pa.
Application June 28, 1940, Serial No. 343,014
6 Claims. (Cl. 47—41)



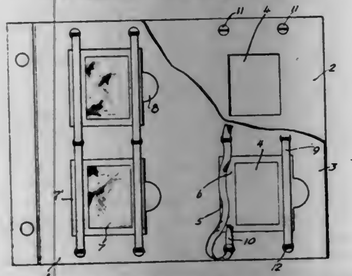
1. A holder for retaining floral pieces upon the lid of a casket, comprising an arched frame, means for attaching a floral piece to the upper side of the frame, and flexible lid engaging straps connected between the ends of the frame and extending across the under side of the frame for frictional contact throughout their length with the upper surface of the lid.

2,259,210
APPARATUS FOR DRYING MATERIALS
André Modave, Etterbeek-Brussels, Belgium
Application September 22, 1938, Serial No. 231,261
In Belgium September 25, 1937
2 Claims. (Cl. 34—166)



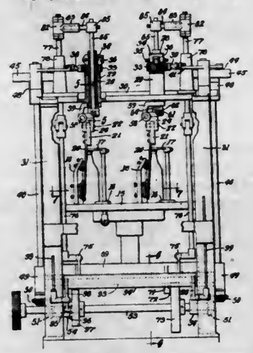
1. Drying apparatus comprising fixed superimposed containers containing the material to be dried, adjacent screws in each of said containers having their axes parallel and rotating one towards the other upwards, the pitch of said screws being inclined in such a direction that the material progresses in each container in the direction opposite to that adopted for any one of the adjacent containers, toothed wheels secured to said screws, the toothed wheels corresponding to screws placed immediately one above the other and rotating in a direction opposite to one another being located in a same plane while the toothed wheels corresponding to screws which are placed immediately one above the other and which rotate in the same direction are located in different planes, a driving chain meshing with the toothed wheels, communicating ducts between the containers, so arranged that the material in one container may drop from it to the next, a tight casing in which the containers are disposed, and means for circulating hot gas in said casing.

2,259,211
PHOTOGRAPHIC FILM ALBUM
John Godfrey Yule Delmar Morgan, Chelsea, London, England
Application November 1, 1939, Serial No. 302,407
In Great Britain November 17, 1938
4 Claims. (Cl. 129—20)



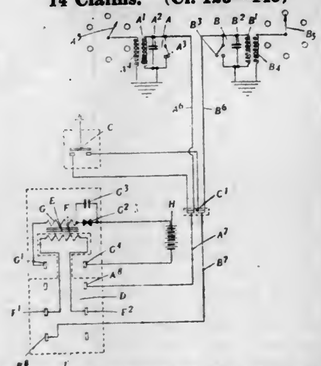
2. A display card adapted for the mounting of articles removably thereon, including a mounting sheet, in which are formed holes suitably spaced to allow articles to be mounted between them, a plurality of elastic retaining members attached by their ends to the front of said sheet and looped at intervals through said holes to the back of said sheet, retaining means co-acting with said loops on the back of said sheet to prevent them from being drawn through to the front of said sheet, and removable index members held by said retaining means on the back of said sheet adjacent any mounted article.

2,259,212
PICKER MECHANISM
Charles H. Oslund, Worcester, Mass.
Application April 16, 1940, Serial No. 329,936
15 Claims. (Cl. 216—54)



4. A labeling machine comprising a rotary table to support articles to be labeled, a label picker, means to oscillate the picker about a substantially vertical axis located close to the picker and inside the periphery of the table, and means to oscillate the picker about a substantially horizontal axis in a definite relationship to its movements about the vertical axis.

2,259,213
IGNITION APPARATUS FOR INTERNAL COMBUSTION ENGINES
Frank Raymond Faber Ramsay, London, England, assignor to D. Napier & Son Limited, London, England, a company of Great Britain
Application April 21, 1939, Serial No. 269,256
In Great Britain May 6, 1938
14 Claims. (Cl. 123—148)



1. Energising apparatus for a high tension magneto of an internal combustion engine including a primary circuit, means for supplying current to the primary circuit, an interrupter in

the primary circuit arranged to operate independently of the high tension magneto, and an indirect coupling device adapted to transmit current impulses from the primary circuit to the primary winding of the magneto.

2,259,214
VIBRATION ISOLATION BASE FOR MOTORIZED FANS AND THE LIKE
Siegfried Rosenzweig, Long Island City, N. Y.
Application January 29, 1940, Serial No. 316,271
2 Claims. (Cl. 248—22)



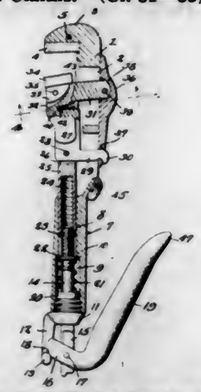
1. Vibration isolation means for a motor driven fan assembly, comprising a main supporting base and a secondary supporting base, said main supporting base consisting of a pair of primary frame units each including damper housings connected by spaced parallel strips, the strips of one of said units projecting beyond one of the dampers, said secondary supporting base also consisting of primary frame units each including damper housings connected by spaced parallel strips, the strips of each unit projecting beyond a damper of each unit, a cross bar connecting the projecting ends of the strips of the units of the secondary base, and the said projecting ends of the strips of one of the primary frame units of the main frame being connected with said cross bar, and a diagonal brace connecting one of the strips of the primary frames of the main supporting base with said cross bar.

2,259,215
SPRAY GUN
Oliver R. Scheurer, Kankakee, Ill., assignor to J. W. Mortell Company, a corporation of Illinois
Application February 26, 1940, Serial No. 320,981
4 Claims. (Cl. 299—140)



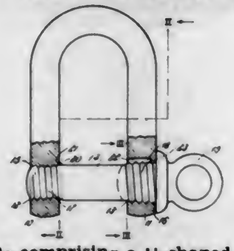
3. A spray-gun for heavy liquids comprising: a hollow body-member having at one end a large opening adapted to communicate with a liquid-supply pipe; a nozzle removably secured to the opposite end of said body-member; an air-tube slidably extending into the body-member with its inner end seating in said nozzle to form a valve for the chamber; an exposed latch, mounted on said body-member for holding said air-tube in adjusted position, said latch being releasable to permit the air-tube to be reciprocated with respect to the nozzle; and a nut rotatably threaded to said air-tube and engaging said latch to permit the valve opening to be regulated accurately while the air-tube is in latched position.

2,259,216
WRENCH
Hervey W. Small, Small, Idaho
Application December 30, 1940, Serial No. 372,415
5 Claims. (Cl. 81—85)



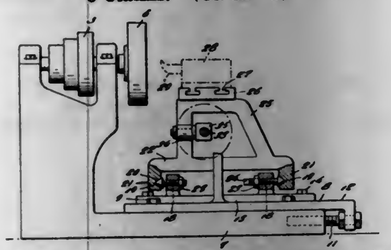
1. A wrench including a longitudinally slotted shank, an offset tubular handle at one end, a stationary jaw at the other end, a shank slidably mounted within the handle, means slidably and rotatably mounted in and projecting beyond the handle for shifting the shank longitudinally relative to the handle, a movable jaw, a holder therefor pivotally connected to said slidable shank, a slide on the slotted portion of the first named shank, arms fixed relative to the holder and pivotally connected to the slide, said arms being extended through and slidable within the slot, yielding means interposed between the slotted shank and the holder for normally pressing the holder and the movable jaw away from the slotted shank and normally maintaining the slide in intimate contact with said shank, and cooperating means on the handle and stem for bodily shifting the movable jaw and its holder toward the other jaw.

2,259,217
SHACKLE
William Stevenson, Blundellsands, Liverpool, England
Application July 3, 1940, Serial No. 343,897
In Great Britain July 17, 1939
7 Claims. (Cl. 59—86)



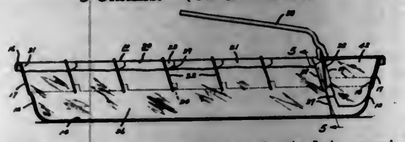
1. A shackle comprising a U-shaped body part, the jaws of which have eye-holes, at least one of which is internally screw-threaded, a closure pin having a screw-threaded end to screw into said internally threaded eye-hole, an abutment located on the pin so that it lies adjacent one jaw when the pin is in the closed position, and a recess on the interior face of the other jaw, the base of which recess forms a stop for the abutment to limit the movement of the pin when the pin is in fully open relation to the jaws of the body, said recessed jaw having a passage-way which opens into the side of the recess and leads to the exterior face of the jaw whereby by turning the pin the abutment can be turned along the passage-way to release the abutment from the stop.

2,259,218
PIVOTAL LATHE CARRIAGE
Erwin C. Stoelting, Niagara Falls, N. Y.
Application May 25, 1940, Serial No. 337,291
6 Claims. (Cl. 82—2)



1. A tool support for lathes comprising a base, a plate having its opposite ends connected to the base for horizontal swinging adjustment on the base, tapered bearing pins carried by the plate and an upstanding tool-holding carriage pivotally mounted on said pins.

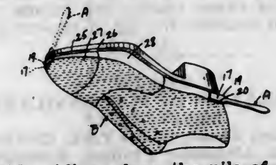
2,259,219
REFRIGERATING APPARATUS
George H. Strickland, Oakwood, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application September 25, 1940, Serial No. 358,332
5 Claims. (Cl. 62—108.5)



1. In combination, a tray adapted to contain a body of water to be frozen into an ice block substantially of the size of the tray, means associated with the tray for breaking up the body of ice into a plurality of small ice blocks, said means comprising a grid of substantially less height than the height of the tray and including a longitudinal wall having a plurality of transverse walls mounted for movement relative thereto, means for spacing said grid from the bottom of the tray with the walls thereof depending into the upper portion of the body of ice when formed, whereby the upper surface and portion of said body of ice formed in the tray is scored or marked off into sections of the desired shape, and means for causing relative movement of said walls whereby to split the frozen body throughout its depth and along said scorings to provide small ice blocks.

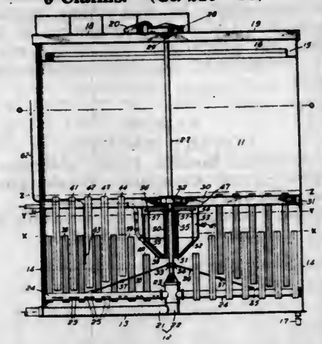
2,259,220
APPLICATOR FOR SHOE DRESSINGS
George E. Ussett and Gustave Ussett, Chicago, Ill.
Application May 23, 1940, Serial No. 336,834
2 Claims. (Cl. 15—209)

1. A shoe dressing applicator comprising a thin flat strip reduced in width at one end portion to form a handle, the opposite end portion being of uniform width and substantially rectangular to provide a flat base surface and guiding edges at opposite margins of the base surface, and a substantially rectangular mohair fabric patch cemented on the base surface and extending be-



tween said guiding edges, the pile of said fabric being approximately one-eighth of an inch high whereby any one of said guiding edges may be disposed in sliding engagement with a shoe along a welt or seam thereof, to facilitate the application of dressing along a portion of the shoe adjacent the welt or seam.

2,259,221
PURIFICATION OF LIQUIDS
George M. Darby, Westport, Conn., Anthony J. Fischer, Flushing, N. Y., and William C. Weber, Westport, Conn., assignors to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware
Application December 30, 1939, Serial No. 311,840
6 Claims. (Cl. 210—16)



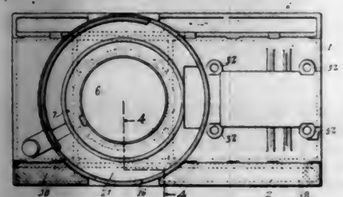
1. A unit for clarifying liquids comprising in operative combination a tank for holding a body of liquid providing therein a lower reaction section and a relatively quiescent contiguous overlying upper section that is in constant free hydraulic communication with the reaction section; tank feeding means for the lower section; effluent overflow weir means for releasing supernatant liquid from the upper portion of the overlying section in quantities substantially corresponding to the quantity of liquid feed to the lower section; means for impelling liquid in the lower section comprising horizontally-spaced upwardly-extending liquid-impelling blades turnable in horizontally-extending closed paths about a vertical axis; means comprising horizontally-spaced stationary deflector baffles extending downwardly from elevation higher than that of the upper ends of the impelling blades and disposed in overlapping relationship with respect thereto so as to permit an unobstructed movement of the impelling blades past the stationary baffles; means for supporting the deflector baffles; means providing an open top pocket whose top edge has elevation higher than that of the upper ends of the impelling blades but

substantially below that of the normal surface level of the liquid of the body as determined by said overflow weir; sediment-raking and transferring means operable within the lower portion of the open top pocket; a conduit leading from the lower portion of the pocket for hydraulically passing therefrom to the exterior of the tank quantities of raked solids; and means for supporting and rotating the liquid-impelling blades.

2,259,222
PREPARATION OF SULPHANILAMIDE DERIVATIVES
Arthur James Ewins, Gidea Park, Romford, and Montague Alexander Phillips, Romford, England, assignors to May & Baker, Limited, London, England, a company of Great Britain
No Drawing. Original application November 1, 1938, Serial No. 238,164. Divided and this application April 19, 1940, Serial No. 330,527. In Great Britain, Australia, India, and New Zealand November 29, 1937
2 Claims. (Cl. 260—288)

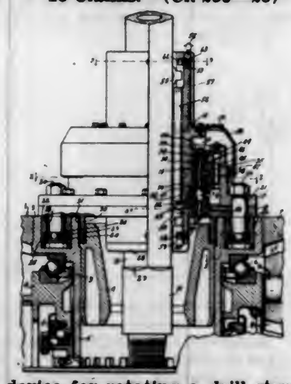
1. The preparation of compounds of the class consisting of p - amino - benzene-sulphonamido-pyridine and quinoline derivatives by the action of a benzene sulphonamide containing, in the para position, a substituent capable of conversion into an amino group, such substituent being a member of the class consisting of an acylamino group convertible to an amino group by hydrolysis, a nitro group convertible by reduction, an azo group convertible by reduction, and a halogen convertible by the action of ammonia, on a member of the class consisting of pyridine and quinoline compounds containing a reactive halogen substituent on the nucleus of that member.

2,259,223
ROTARY MACHINE
Arthur J. Hodge, Lomita, Calif., assignor to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application February 15, 1939, Serial No. 256,502
2 Claims. (Cl. 255—23)



1. In a rotary machine, the combination of a base structure having a pair of horizontal skid members formed integrally therewith, each of said skid members comprising inner and outer longitudinal ribs integrally joined at their lower ends by a horizontal footing, said base structure having a central bearing support positioned between said skid members, an annular upstanding wall surrounding said central bearing support, a table rotatably mounted on said central bearing support and cooperating with the upstanding wall to form an enclosure within the wall, means forming the lower boundary of said enclosure comprising a member integrally joining the bearing support and the upstanding wall, the portions of said wall adjacent the skid members each extending downwardly between the inner and outer longitudinal ribs to join integrally with the horizontal footing, a gear on said table within the enclosure, and drive means carried by the base structure including a pinion extending within said enclosure and adapted to rotate said gear.

2,259,224
DRILL STEM DRIVE DEVICE
Arthur J. Hodge, Lomita, Calif., assignor to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application January 22, 1940, Serial No. 314,971
13 Claims. (Cl. 255—23)



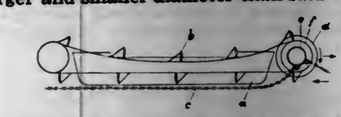
1. A device for rotating a drill stem, comprising in combination a driver member through which the drill stem may have axial movement when drilling, said driver member encircling a portion of the drill stem and adapted to transmit rotary movement thereto, a body member encircling a portion of said driver member, means whereby said body member may be rotated, resilient means adapted to support said driver member on said body member, cooperating drive splines on said members adapted to form a non-rotatable driving connection whereby the body member may rotate the driver member, said drive splines being parallel to the axis of the drill stem and adapted to accommodate axial reciprocation of the driver member.

2,259,225
COLORING COMPOSITION FOR TEXTILES
Roy H. Kienle, Bound Brook, and Alfred L. Peiker, East Bound Brook, N. J., assignors, by mesne assignments, to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application September 8, 1938, Serial No. 228,922
9 Claims. (Cl. 8—62)

2. A method of coloring fabric or other porous materials which comprises applying to the materials a colored aqueous dispersion of an oxygen convertible, water soluble alkyd resin and a water soluble color.

2,259,226
HYDRAULIC TOWING DEVICE FOR RIVER CRAFT
Kurt Kühne, Kreischa, Germany
Application September 8, 1938, Serial No. 228,944
In Germany December 16, 1935
2 Claims. (Cl. 115—7)

1. A hydraulically operating towing device for river craft, comprising two endless bands arranged on both sides of the body of a craft to be towed, floatable paddles on said bands, wheels for the paddle bands, two sprockets rigidly coupled with said wheels and having, respectively, a larger and smaller diameter than said wheels, a



river chain and adjustable means for alternately bringing one of said sprockets into mesh with said chain to cause the hydraulic power acting upon said paddles to drive the craft downstream or upstream.

2,259,227
DECORATIVE ARTIFICIAL TREE
John H. Peroni, Freeport, N. Y.
Application December 5, 1940, Serial No. 368,587
4 Claims. (Cl. 41—15)



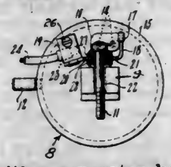
3. In an artificial tree, a metallic tree frame including a tubular trunk and vertically spaced groups of downwardly curved tubular branches secured to the trunk, and a decorative sheathing including strips of a light reflecting metallic material arranged in folds over the branches with the folds secured together beneath the branches and with the bottom edges of the folds slitted and folded to provide triangular shaped pendents.

2,259,228
HIGH SPEED CAMERA
William K. Rankin, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York
Application August 7, 1940, Serial No. 351,729
5 Claims. (Cl. 88—16)



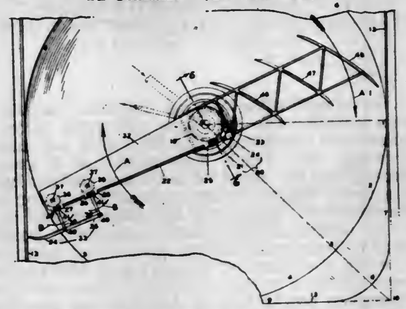
1. A high speed camera comprising a rotatable drum adapted to receive a light sensitive film and having a series of spaced exposure apertures in the periphery thereof, said apertures forming a plurality of circumferential and transverse rows and an enclosing casing for said drum including a member having a narrow opening with which said apertures successively aline, said opening extending at a small angle to the direction of said transverse rows.

2,259,229
IGNITION COIL
Wolfgang E. Schwarzmann, Longmeadow, Mass., assignor to American Bosch Corporation, Springfield, Mass., a corporation of New York
Application February 1, 1941, Serial No. 377,001
9 Claims. (Cl. 171—209)



1. In an ignition generator having pole piece projections; a stationary generating winding; a magnetic core for said winding; an insulated terminal connector for said winding comprising a conducting member having an electric connection with a terminal of said winding, a terminal post having fastening means for fastening an outside wire in electrical connection therewith, and a metal strip mechanically fastened to said member and post in electrical connection with both of them; and fastening means which mechanically fastens said strip to said core and electrically insulates them and which also fastens said core across said pole piece projections in magnetic contact therewith.

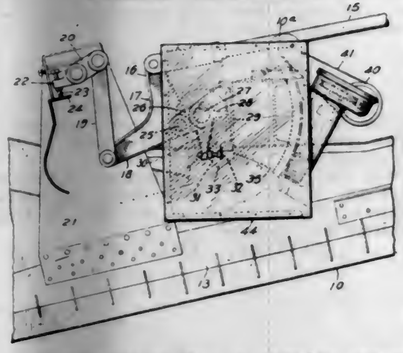
2,259,230
SEDIMENTATION APPARATUS
Charles H. Scott, Westport, Conn., assignor to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware
Refiled for abandoned application Serial No. 264,262, March 26, 1939. This application March 12, 1940, Serial No. 323,529. In Great Britain May 19, 1939
11 Claims. (Cl. 210—55)



1. A sediment impelling and transfer mechanism for operating within a space defined by cornered sedimentation area which in plan is substantially equilateral, equiangular and polygonal, said mechanism comprising in combination a supporting bearing member providing a vertically-extending axial center, a movable main carrier mounted on said supporting bearing member for horizontal rotation about said axial center, motivated means for turning said movable main carrier in a closed path about said axis, sediment-raking elements extending downwardly from and movable with said carrier for operating over a circular portion of the sedimentation area corresponding to said closed path, horizontally-turnable crank elements supported from said main carrier, a corner-exploring sediment conveying element, a crank pin connection between said ex-

ploring element and the outer end of each of said crank elements and said conveying element disposed for operating over cornered sections of the sedimentation area that are proximate to but that extend beyond the circular sedimentation area served by the depending raking elements, and gearing operatively associated with said motivated means and said turnable crank elements, said gearing providing a ratio whereby each complete turning movement of the main carrier produces a number of complete revolutions of each crank element, equal to the number of the corners of the sedimentation area, the movements of said crank elements being timed through said gearing with each other and with the movement of the main carrier in a manner to cause said corner exploring element to move into and out of said cornered sections so as to convey sediment therefrom to said circular sedimentation area, as said main carrier turns.

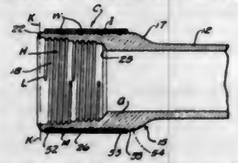
2,259,231
CLASSIFIER
Charles H. Scott, Westport, Conn., assignor to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware
Application April 6, 1940, Serial No. 328,227
8 Claims. (Cl. 198—232)



1. In combination with a classifier having a reciprocating rake structure operating upon a sloping deck constituting the bottom of the classifier tank, and which rake structure is partly submerged in the classifier bath, and further having a motor driven actuating mechanism for the rake structure, to support the same by way of a pair of longitudinally spaced suspension points, a motor driven rake lifting mechanism normally idle when the classifier is operating, and control means effective to start the rake lifting motor in response to power failure stopping the classifier motor.

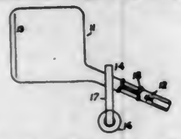
2,259,232
WELL PIPE JOINT
Albert L. Stone, Palos Verdes Estates, Calif., assignor to Hydril Company, Los Angeles, Calif., a corporation of California
Application August 17, 1938, Serial No. 225,362
5 Claims. (Cl. 308—4)

1. In a break joint for well pipe, a built-in joint member embodying a tubular element having a coupling thread extending longitudinally inward from one end thereof and having an outer, unthreaded longitudinal extent which is of greater diameter than the thread and starts at a point in a plane normal to the longitudinal axis of the member and located near one end of said thread, and a sheathing of appreciable thickness and of wear-resistant metal about said extent only and weld-integrated with the element only at spaced locations, said sheathing extending longitudinally of said element over at least the major portion of said extent, said sheathing



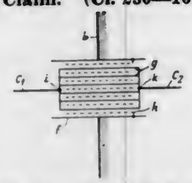
being of substantially uniform outside diameter throughout its longitudinal extent and representing the radially outermost projection of the member, said weld-integration interconnecting the element and sheathing to prevent separation thereof when they are subjected to high tensile and torsional loads.

2,259,233
CATHODE RAY DEFLECTING APPARATUS
George Richard Tingley, London, England, assignor, by mesne assignments, to Cinema-Television Limited, London, England, a British corporation
Application May 18, 1939, Serial No. 274,353
In Great Britain August 8, 1938
1 Claim. (Cl. 250—157)



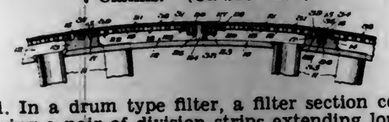
In a cathode ray tube apparatus, an electron gun for producing an electron beam, a surface scanned by said beam, two deflecting systems for deflecting the electron beam in coordinate directions, and means comprised in one of said systems for producing in the path of the beam electric lines of force forming arcs of substantially concentric circles intersecting the beam in substantially the same plane, said means comprising a U-shaped yoke having a coil on its central portion and provided with extensions at the ends of its limbs which extensions are inclined towards each other and are of substantially greater length than the central portion of the U.

2,259,234
SHIELDED ELECTRICAL DEVICE
Willy Voigt, Berlin, Germany, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie mit beschrankter Haftung, Berlin, Germany, a corporation of Germany
Application January 10, 1939, Serial No. 250,183
In Germany January 10, 1938
1 Claim. (Cl. 250—16)



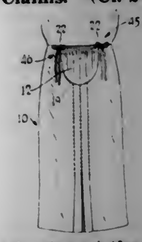
In an electrical circuit including a shielded electrical element, a conductor passing through an opening formed in the shield and adapted to connect the electrical element to means external the shield, a metallic sleeve member fitted snugly into said opening and conductively connected to the shield, a condenser having a pair of electrodes inserted within said sleeve member, means conductively connecting one electrode of the condenser to the sleeve member, the other electrode of the condenser forming a portion of said conductor through which the shielded element is connected to the means external the shield, said condenser being of the rolled type and arranged so that both edges of the electrode which forms a portion of the conductor extend an appreciable distance beyond the corresponding edges of the first named electrode of the condenser, a cap-like device conductively connected to the shielded element, means including said cap-like device for connecting together the extended edges at one end of said other electrode, a second cap-like device for connecting the extended edges at the other end of said other electrode together, and a conductor for connecting said second cap-like device to the means external the shield.

2,259,235
FILTER
Robert George Albert Weiss, Cold Meece, near Stone, England, assignor to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware
Application January 17, 1941, Serial No. 374,837
7 Claims. (Cl. 210—199)



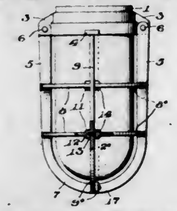
1. In a drum type filter, a filter section comprising a pair of division strips extending longitudinally of the drum and having lateral shoulders, a relatively rigid perforate plate supported at its opposite longitudinal sides upon said shoulders, means between the edges of said plate for holding the same in position against displacement, filter cloth extending over said plate, and means for securing said cloth in position over the surface of said plate.

2,259,236
GARMENT
Sidney Wellins, Cedarhurst, and Murray Wellins, Lawrence, N. Y.
Application March 31, 1939, Serial No. 265,090
4 Claims. (Cl. 2—76)



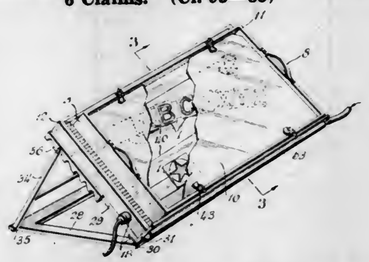
1. A garment having at the waistline a pair of tubular, parallel, co-extensive pockets, a flexible strap within one pocket attached to one end of the tubular pocket and projecting from the other end thereof, a strap within the other tubular pocket attached to an end of the second tubular pocket, adjacent the latter end of the first pocket, and projecting from an end of the second pocket adjacent the first end of the first pocket, the projecting strap ends being adapted to be pulled in opposite directions for drawing in the waistline of the garment, and means on the garment for attaching the strap ends to retain the waistline of the garment against expansion.

2,259,237
GLOBE AND LAMP GUARD
Clifford H. Baker and Dana H. Fisher, Philadelphia, Pa.
Application June 29, 1940, Serial No. 343,242
4 Claims. (Cl. 240—102)



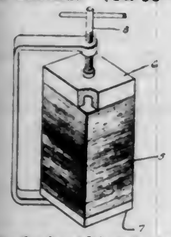
1. A guard, comprising a base, and a plurality of complementary members which are duplicates of one another and are pivotally connected to said base, interlocking means carried by freely extending portions of said members, a finger-like portion of each of said members, spaced from its pivotal connection with said base, being normally in binding engagement with said base, to prevent lateral vibration of said members when in operative interlocked relation, and male-and-female inter-engaging means carried by said members to insure their positive alignment independently of said interlocking means.

2,259,238
TYPESETTING
Lucian Bernhard, New York, N. Y.
Application March 29, 1940, Serial No. 326,547
6 Claims. (Cl. 95—85)



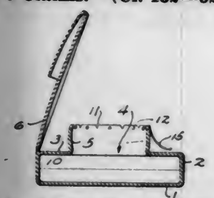
1. A device for setting and holding types to be photographed, comprising individual types including magnetizable sheet metal with characters thereon, a tray-like support including a rigid bottom plate so as to receive said types on said bottom plate, a magnet having a top pole surface substantially corresponding to said bottom plate as to shape and size and adapted to receive thereon said support whereby the magnetic force will act through said bottom plate during the setting of the types thereon when the support is positioned on said magnet, and a removable transparent cover plate fitting on top of the bottom plate of said support so as to bear on the types thereon and to prevent them by friction from shifting during the removal of said support with the types in set arrangement from said magnet.

2,259,239
MANUFACTURE OF BAGS
George M. Brown, New York, N. Y., and James E. Snyder, Akron, Ohio, assignors to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application September 5, 1940, Serial No. 355,418
2 Claims. (Cl. 93—35)



1. The method of making bags which comprises forming a stack by alternating two films of heat-sealable, thermally stretchable material which contains stresses which are relieved on heating, with a sheet of insulating material, with the sheets of film and insulating material so arranged that their edges are in perfect alignment, holding the sheets and film in a press which applies pressure at the edges to be sealed, applying heat to at least one of the sides of the stack to cause the edges of adjacent films of heat-sealable, thermally stretchable material to become united, and after removing the source of heat, allowing the stack to cool to a temperature at which the sheets of film maintain substantially no tendency to become distorted when the pressure is relieved, and then relieving the pressure from the stack.

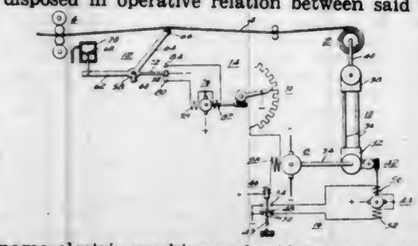
2,259,240
POWDER DISPENSER
Laura A. Chambers, St. Louis, Mo.
Application October 19, 1940, Serial No. 361,837
9 Claims. (Cl. 132—82)



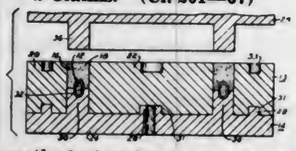
1. A powder dispenser comprising a housing and having spaced apart walls, there being an opening in one of said walls, a tubular neck member of flexible material with one end communicating with the interior of said housing, said neck member being extensible outwardly from its inner end through said opening to facilitate the filling of said housing and being reversible to extend from said inner end into said housing to form a closed annular reservoir around the member.

2,259,241
STRIP REEL DRIVE
Willard G. Cook, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 12, 1938, Serial No. 234,740
13 Claims. (Cl. 242—75)

9. In a strip reel control system, in combination, a dynamo-electric machine, means for variably energizing the dynamo-electric machine, a variable speed ratio power transmission system disposed in operative relation between said dynamo-electric machine and said reel, and means controlled by predetermined energization of said dynamo-electric machine for varying the speed ratio of said transmission system.

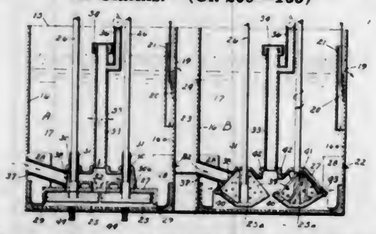


2,259,242
PROCESS FOR MAKING HEATING ELEMENTS
Earl K. Clark, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 18, 1939, Serial No. 257,167
2 Claims. (Cl. 201—67)



1. The method of making an electrical heating element in which the resistor is in the form of a helical coil, which comprises encompassing a portion of the helical coil below a horizontal longitudinal plane therethrough to hold the coil in place, placing uncompacted insulating material within the entire coil but around only the unencompassed portion of the coil above said plane, compacting the insulating material around said unencompassed portion of the coil, inverting the coil and freeing the encompassed portion thereof, placing uncompacted insulating material around the freed and now upper portion, and compacting the additional insulating material.

2,259,243
FLOTATION APPARATUS AND METHOD
Arthur C. Daman, Denver, Colo., assignor to Mining Process and Patent Company, Denver, Colo., a corporation of Colorado
Application February 5, 1938, Serial No. 188,872
21 Claims. (Cl. 209—165)



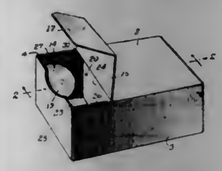
12. The froth flotation process which comprises the treatment of a pulp body in superposed agitation and separation zones, compressing a mixture of pulp, gas and flotation reagent in the agitation zone, releasing a portion of the compressed intermixture into the separation zone at a restricted velocity, moving the portion so released directly to the surface of the quiescent zone exposed to atmosphere in an action in which dissolved gases resume their gaseous state upon entrance into the separation zone, moving another portion of compressed pulp from the agitation zone through a confined zone separate from the separation zone for retreatment at the agitation zone, and removing froth forming at the surface of the pulp body.

2,259,244
ATTACHABLE ARTICLE HOLDER
Albert G. Davis, Newton Center, Mass., assignor to The Nevins-Church Press, New York, N. Y., a corporation of New York
Application July 19, 1939, Serial No. 285,288
1 Claim. (Cl. 206—47)



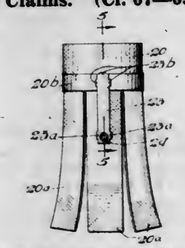
A merchandise holder constructed from a single piece of sheet material providing an oblong panel, an encircling band in continuation of said panel on one edge and disposed transversely thereof and spaced from one face of said panel and secured to the opposite edge of said panel, and holding flaps hingedly connected with the opposite ends, respectively, of said panel, each along a fold line, and each of said holding flaps being folded inwardly along its fold line toward the said face of the panel to hold one article of merchandise between said panel and an associated package of merchandise held by said encircling band and panel.

2,259,245
BOX
Albert G. Davis, Newton Center, Mass., assignor to The Nevins-Church Press, New York, N. Y., a corporation of New Jersey
Application June 21, 1940, Serial No. 341,625
7 Claims. (Cl. 229—15)



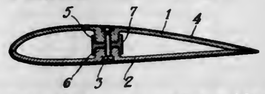
1. A box of the character described including a substantially rectangular box body having one end provided with a slot through which articles are adapted to be passed and a removable substantially rectangular auxiliary open-top box fitted in the opposite end of said body, said auxiliary box having overlapped portions, said body having a swinging portion acting as a top for said auxiliary box and a locking tab removably extending between said lapped portions to hold said auxiliary box in place in said body.

2,259,246
TUBULAR WICK FOR LIQUID FUEL BURNERS
Cortland W. Davis and Walter B. Engh, Alexandria, Ind., assignors to The Mantle Lamp Company of America, Chicago, Ill., a corporation of Illinois
Application October 17, 1938, Serial No. 235,446
In Great Britain January 4, 1938
10 Claims. (Cl. 67—69)



3. A tubular wick unit including in combination a tubular and tailed wick having a relatively rigid upper portion and a relatively flexible lower portion, and stiff operating strips extending from the relatively rigid wick portion downward along the relatively flexible wick portion, said operating strips having relatively fixed connection with said relatively rigid upper portion intended to last unchanged and be permanent for the life of said wick and of such kind as to constitute said wick and said strips a unitary article of manufacture, said strips having openings at their lower end portions for readily separable cooperation with the wick operating mechanism of a burner adapted for use with said wick.

2,259,247
PROPELLER BLADE
Claude Dornier, Friedrichshafen-on-the-Bodensee, Germany, assignor of one-half to Dornier-Werke G. m. b. H., Friedrichshafen-on-the-Bodensee, Germany
Application March 31, 1938, Serial No. 199,165
In Germany April 2, 1937
4 Claims. (Cl. 170—159)



1. A propeller blade comprising a blade proper split by a cut extending substantially along the trailing edge and the leading edge into two parts, a stem member having a root portion and a tapered tongue portion of H-shaped cross sectional configuration and having a web portion and extending from said root portion and into the interior of said blade proper and being so positioned that said web portion is substantially parallel to the blade surfaces, and connecting means extending through said parts and through said web portion and rigidly connecting said parts with said tongue portion and with one another, said root portion projecting from said blade proper and being so constructed as to form the root of said blade.

2,259,248
PROCESS FOR THE PRODUCTION OF SULPHURYL CHLORIDE
Ralph K. Iler, Cleveland Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 29, 1938, Serial No. 242,897
3 Claims. (Cl. 23—203)

1. In a process for producing sulphuryl chlo-

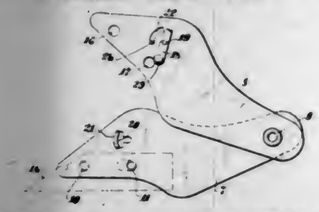
ride, the steps comprising heating a mixture of sodium chloride and sulphur trioxide to a temperature between 30 and 250° C. for a period of time sufficient to effect reaction between the sodium chloride and sulphur trioxide, heating the reacted mixture at a temperature above 250° C. for a further period to effect thermal decomposition with the formation of gaseous decomposition products including chlorine and sulphur dioxide, and producing sulphuryl chloride by effecting catalytic combination of the gaseous decomposition products at a temperature between about 0 and 50° C.

2,259,249

FURRIER'S KNIFE

Max Ingwer, Forest Hills, N. Y., assignor to Consolidated Sewing Machine & Supply Co. Inc., New York, N. Y., a corporation of New York

Application March 22, 1941, Serial No. 384,657
8 Claims. (Cl. 30—331)



8. A furrier's knife, comprising movably related substantially flat handle forming plates having means for cooperatively clamping and securing a blade between the same at one edge and said plates being directly engageable at the opposite edge in relatively inclined relation because of the separation effected by the interposed blade at the first mentioned edge, a swinging latch lever pivoted on one handle forming plate adjacent the second mentioned engaging edge of the handle forming plates, an abutment surface on the other handle carrying plate, substantially parallel to the same and in position to be engaged by the lever when the plates are in registered plate clamping relation, said lever and abutment surface constituting elements cooperating in the inclined relation of the plates to wedge the plates together into firm blade clamping relation and the plate carrying one of said elements having a slot therein to freely pass the cooperating element of the other handle carrying plate.

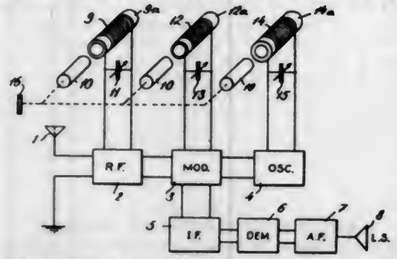
2,259,250

SECURING ALIGNMENT IN A PLURALITY OF RESONANT CIRCUITS

Frederick N. Jacob, Chicago, Ill., assignor to Johnson Laboratories, Inc., Chicago, Ill., a corporation of Illinois

Continuation of application Serial No. 243,315, December 1, 1938. This application July 5, 1940, Serial No. 344,146
28 Claims. (Cl. 250—40)

1. A system for selectively receiving any one of a number of signals differing in frequency including a first resonant circuit having a first adjustable capacitor, a first inductance coil and a first ferromagnetic core; a second resonant circuit having a second adjustable capacitor, a second inductance coil of materially higher inductance value than said first coil, and a second ferromagnetic core substantially identical with said first core; and means for moving said cores in unison relatively to said coils; said second inductance coil having the same length as said first coil but having a diameter greater than that of said first coil so that said circuits are tuned to



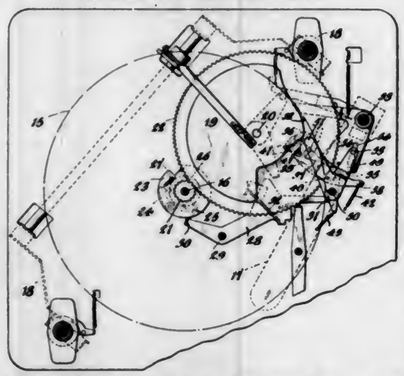
practically the same frequency at each position of said cores.

2,259,251

TONE ARM TRIP MECHANISM FOR AUTOMATIC PHONOGRAPHS

John C. Kamp, Buffalo, N. Y., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y., a corporation of Ohio

Application January 13, 1940, Serial No. 313,732
12 Claims. (Cl. 192—119)



1. A tone arm trip mechanism for use with records of the eccentric terminal groove type, comprising a trip means adapted to be tripped from a latching to an unlatching position, and means including dual tripping elements operatively engaging said trip means, one of said elements being disposed for pre-setting the trip means on the initial movement of the tone arm by the eccentric groove of the record in readiness for a tripping operation and the companion tripping element being disposed for initiating the effective tripping operation of said trip means on the next eccentric-actuated movement of the tone arm.

2,259,252

BLOCK AND TACKLE

Oskar Kozlovskis, New York, N. Y.

Substituted for abandoned application Serial No. 98,881, September 1, 1936. This application February 12, 1941, Serial No. 378,587
13 Claims. (Cl. 254—188)

4. In a block and tackle, two pulley blocks, each of cylindrical form and disposed in axial alignment, each block provided with a plurality of pulleys each having their opposing sides projecting laterally beyond the adjacent side of their associated blocks and having their axes extending

chordinally of their associated blocks, and each pulley axis being in circumferentially spaced relation with the axis of its next adjacent pulley, and a pulley rope threaded through the several



pulleys with its lengths between the blocks disposed to form a cylinder of substantially parallel lengths, enclosing the lower portion of the upper block and the upper portion of the lower block.

2,259,253

BLOCK AND TACKLE

Oskar Kozlovskis, New York, N. Y.

Substituted for abandoned application Serial No. 120,552, January 14, 1937. This application February 12, 1941, Serial No. 378,588
16 Claims. (Cl. 254—188)



6. A pulley block of cylindrical form with opposite sides provided with transversely aligned slots, a pair of side plates extending chordinally across the cylinder and projecting at opposite edges beyond the same, and a plurality of pulleys mounted on an axle fixed to the cylinder and said pulleys fitted between the side plates and said side plates coacting to limit axial play of the pulleys.

2,259,254

LOOPED TEXTILE FABRIC

Florence D. Leech and Arthur H. Adams, Jr., Newark, N. J., assignors, by mesne assignments, to Colorspace Patent Corporation, Newark, N. J., a corporation of New Jersey

Application December 18, 1940, Serial No. 370,632
12 Claims. (Cl. 66—169)

1. A fabric looped from a single polychrome yarn with at least some of the successive rows of stitches containing unequal amounts of yarn differing from one another by a multiple of one



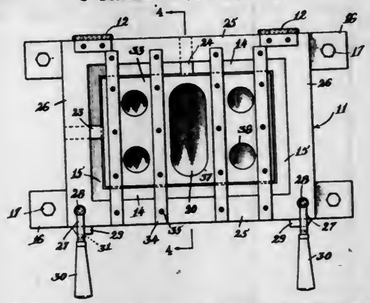
yarn color cycle, one yarn color cycle in one row corresponding in width to a multiple of the yarn color cycle in the adjacent row, and which has a predetermined recognizable color pattern.

2,259,255

METAL HAMMERING APPARATUS

Louis Levine, New York, N. Y.

Application December 9, 1939, Serial No. 308,420
3 Claims. (Cl. 101—3)



1. Apparatus for manufacturing hammered designs on metalware against a die, including a non-vibrating horizontal bed, a framework supported thereon and having a die mounted centrally thereof, a second framework pivotally secured to the first mentioned framework and carrying a central and orificed template, said die having engraved designs opposite the template openings, releasable closure means between the two frameworks, guiding means associated with the first mentioned framework to secure a piece of metalware centrally over the die whereby upon closure of the second framework the said piece of metalware on the undersurface abuts the die and on the upper surface abuts the template.

2,259,256

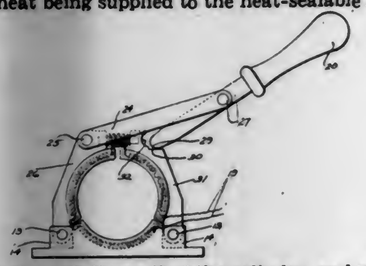
CONTAINER MAKING

Elov F. Maas, near Cuyahoga Falls, and Crandall R. Kline, Akron, Ohio, assignors to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware

Application November 23, 1940, Serial No. 366,875
4 Claims. (Cl. 93—55.1)

1. The process of sealing an inverted flanged cap of paper-like material into the end of a paper

board cylinder, the inverted cap being coated on the exterior and the cylinder being coated on the interior with heat-sealable material, which process comprises uniting the heat-sealable layers by supplying heat thereto sufficient to form a permanent bond between the two said layers, all of said heat being supplied to the heat-sealable ma-



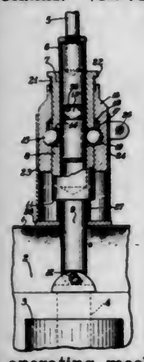
terial through the wall of the cylinder, and while supporting the cylinder against collapse from within the inverted cap, applying pressure to the exterior of the cylinder, thereby firmly uniting the heat-sealable coating on the exterior of the flange of the cap with the heat-sealable coating on the interior of the cylinder.

2,259,257

OPERATING MECHANISM FOR PUNCH PRESSES

James MacBlane, Elmira Heights, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application October 6, 1939, Serial No. 298,284
3 Claims. (Cl. 74—2)



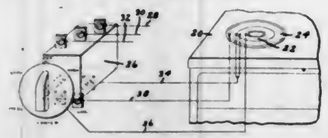
1. In a trip operating mechanism for power presses and the like, a housing, a plunger slidably mounted therein, a trip actuating link telescoped within the plunger having a peripheral recess, the plunger having an opening adapted to register with the recess, a coupling ball in the opening normally extending into the recess to thereby hold the link in the plunger, a sleeve slidably mounted on the plunger having an inclined shoulder normally engaging the exterior of the coupling ball to wedge it in said recess and lock the sleeve, plunger and link for longitudinal movement in unison, said housing serving as a stop to arrest the movement of the sleeve at a predetermined point in its longitudinal movement and thereby free the coupling ball and release the link, yielding means on the plunger urging the sleeve toward locking position, means for applying traction to the plunger, and yielding means for returning the plunger to idle position.

2,259,258

DOMESTIC APPLIANCE

Francis H. McCormick, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application October 22, 1938, Serial No. 236,471
12 Claims. (Cl. 219—20)



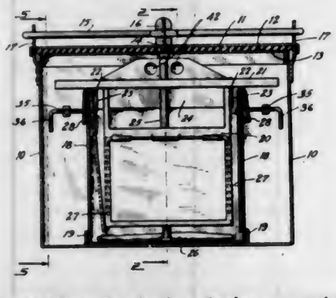
1. An electrical heating system for a hot plate of an electric range and the like comprising a three-wire source having a relatively high voltage across two of said wires as compared with that across either of said two wires and a third wire, a heat generating element for said hot plate comprising a plurality of resistance elements, one made to operate at full capacity when connected across said two wires and another made to operate at full capacity when connected to one of said two wires and a third wire; means movable to one position for connecting the two resistance elements in parallel electrical circuit relation across one of said two wires and the third wire to provide a heating speed substantially less than full heat and movable to a second position for connecting the two resistance elements in series circuit relation across one of said two wires and the third wire to provide a slow heating speed, said means being movable to a third position to connect said one resistance element across said two wires and said another resistance element to one of said two wires and a third wire to provide full wattage input to each and movable to a fourth position to connect said another resistance element to one of said two wires and a third wire to provide full wattage input to only one of the elements and also movable to a fifth position to connect said one resistance element alone across one of said two wires and the third wire.

2,259,259

DEVELOPING TANK

Charles Mace, Denver, Colo.

Application November 20, 1939, Serial No. 305,239
10 Claims. (Cl. 95—90)



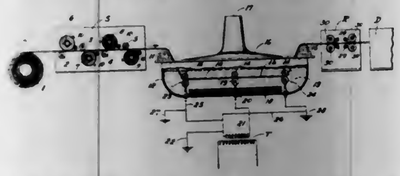
1. A negative developing device comprising: a substantially rectangular tank; a surge plate; a downwardly folded upper edge on said plate overhanging the upper edge of said tank to hingedly support said plate therein; and means for intermittently contacting the downwardly folded edge to swing said plate in said tank.

2,259,260

METHOD OF CLEANING STRIP

Elwin A. Matteson and Kiel B. Bowman, Youngstown, Ohio, assignors to The Aetna Standard Engineering Company, Youngstown, Ohio, a corporation of Ohio

Application October 30, 1939, Serial No. 301,906
5 Claims. (Cl. 15—269)



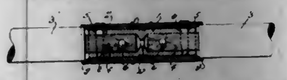
3. A process of continuously cleaning longitudinally moving strip metal which includes the steps of passing the strip through an alkali bath, and, while the strip is submerged in the bath, generating heat in the strip itself whereby boiling of the alkali bath will occur adjacent the surfaces of the strip.

2,259,261

ELECTRICAL CONNECTOR

James B. Miller, Webster Groves, and Peter J. Bach, Brentwood, Mo., assignors to Mines Equipment Company, St. Louis, Mo., a corporation of Missouri

Application June 8, 1938, Serial No. 212,418
3 Claims. (Cl. 174—84)



1. An electrical connector of the character described, comprising, a conducting sleeve having oppositely extending bores adapted to receive conductors, said body having expander-receiving openings directed transversely of said bores and in each bore transversely of each other, and a resilient insulating cover for said sleeve extending over and concealing said openings and having indicators to locate said openings and tending to close over expanders driven through said cover into said openings.

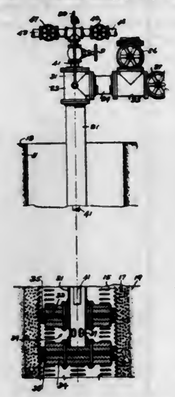
2,259,262

MEANS FOR WELL CLEANING

Kenneth E. Moehrl, Memphis, Tenn., assignor to Layne & Bowler, Incorporated, Memphis, Tenn., a corporation of Delaware

Application November 12, 1940, Serial No. 365,235
1 Claim. (Cl. 166—20)

Means for cleaning an annular well screen and surrounding strata, including means longitudinally spaced apart in and cooperating with said screen for establishing a chamber having a surrounding screen wall, a vertically disposed pipe column secured to said chamber-establishing means and extending upward therefrom above the earth surface, means for supporting and raising and lowering said column, a head structure on said column adapted for connection to a source of chemical supply and for independent discharge from said column, means respectively for controlling discharge flow and flow to or from said chemical supply source, an auxiliary air pipe positioned to discharge within and adjacent the lower end of said column, said pipe leading upward above the surface of the earth, means adapted to establish connection to a source of air supply, means adapted to establish connection to a source of steam supply, and means for



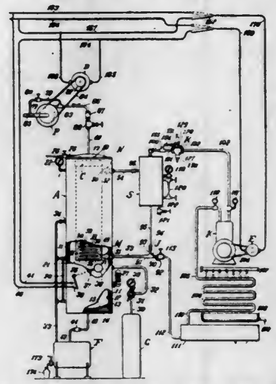
controlling flow of air and steam through said air pipe.

2,259,263

APPARATUS FOR TREATING LIQUIDS

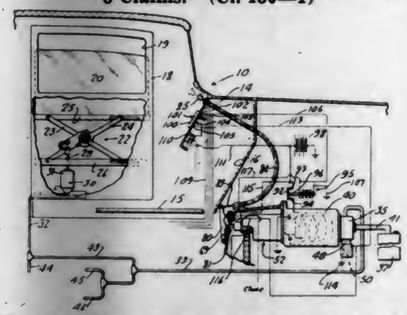
Harry G. Mojonnier, Oak Park, Ill., assignor to Mojonnier Bros. Co., a corporation of Illinois

Application May 10, 1939, Serial No. 272,802
4 Claims. (Cl. 62—141)



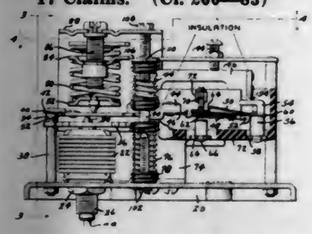
1. An apparatus of the class described, comprising an upright enclosing tank, an upright cooling element in said tank, said element having an exterior for contacting the liquid to be treated as it flows downward thereover and an interior for conducting the cooling medium from an inlet to an outlet, means for supplying the liquid to be treated to the exterior of the upper portion of said element, means for supplying and maintaining carbonic acid gas under pressure in said tank, the lower portion of the tank serving as a receiver for the treated liquid, means whereby treated liquid may be withdrawn from said receiver, means in said receiver cooperating with said liquid supplying means to maintain a liquid level in said receiver at all times below the refrigerating portion of said element, refrigerating means operative to introduce the medium into said element at said inlet and to withdraw the same therefrom through said outlet, and means for variously setting said refrigerating means to provide the refrigerant at different degrees of refrigeration.

2,259,264
WINDOW REGULATING MEANS
John B. Parsons, Toledo, Ohio
Application April 25, 1939, Serial No. 270,015
8 Claims. (Cl. 180—1)



2. A window regulating system for a vehicle having an engine and including a movable window, fluid actuated means connected to move said window, a motor, a drive mechanism for cranking the engine coupled to said motor, a motor driven pump for supplying fluid to said fluid means, a solenoid actuated switch for energizing said motor to drive said pump, a manually actuated switch for energizing said motor to crank the engine, blocking means engageable with said drive mechanism to render said drive mechanism ineffective, and means for releasing said blocking means.

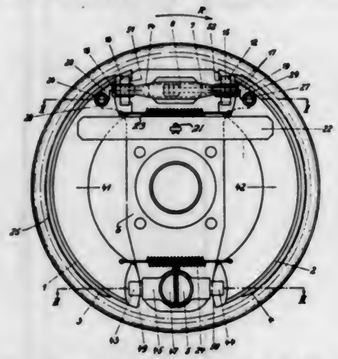
2,259,265
REFRIGERATING APPARATUS
George C. Pearce, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application May 26, 1939, Serial No. 275,959
17 Claims. (Cl. 200—83)



1. A control means including a substantially rigid lever member, a substantially rigid supporting member overlapping one end of said lever member, leaf spring means extending between and in contact with the adjacent surfaces of the overlapping portions of each of said members, said leaf spring means being connected to said members, a control device operated by said lever member, and operating means applied to the lever for moving the lever and for holding the leaf spring means against the supporting member.

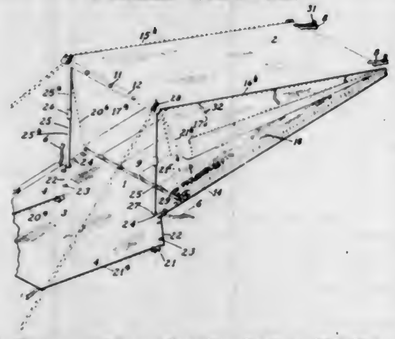
2,259,266
BRAKE
Karl Rabe, Stuttgart, Germany, assignor to Dr. ing. h. c. F. Porsche K.-G., Stuttgart-Zuffenhausen, Germany, a company of Germany
Application July 22, 1940, Serial No. 346,772
In Germany July 14, 1939
8 Claims. (Cl. 188—79.5)

1. In a brake, in combination, a supporting plate, a pair of brake shoes, an adjustable abutment fixed on said plate, means for pressing one end of each of said shoes against said abutment, means for adjusting said abutment and moving said ends in a substantially radial direction, a shoe-spreading device supported between the other ends of said shoes, and stops on the other



ends of said shoes, said brake plate being provided with concave recesses so positioned as to receive said stops in the released position of said brake, and along the sides of which recesses said stops are slidable, whereby the said other ends of said brake shoes are shiftable in a substantially radial direction upon actuation of said spreading device.

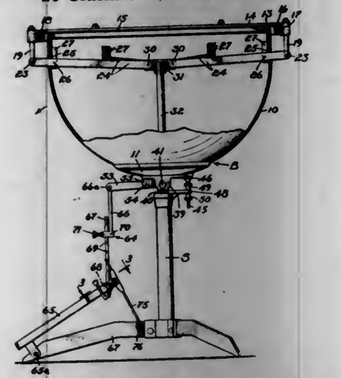
2,259,267
OUTDOOR SLEEPING BAG
James O. Ranken, Portland, Oreg.
Application March 21, 1941, Serial No. 384,528
8 Claims. (Cl. 5—343)



1. In an outdoor sleeping bag, a blanket arranged so as to form a top blanket section and a bottom mattress section, means for fastening said sections together, an outer covering comprising a bottom portion and a top portion, said mattress section attached to said bottom cover portion, said top blanket section attached at the foot to said top cover portion, said top cover portion attachable to said bottom cover portion on three sides, wedge-shaped flaps extending between said top and said bottom cover portions at two opposite sides, said flaps normally folded in between said top cover portion and said top blanket section, but adapted to form the walls of a shelter tent when said top cover portion is raised from said top blanket section, one of said flaps having one longitudinal edge permanently

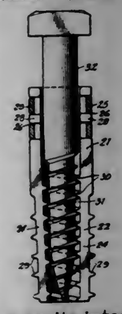
secured to one cover portion and means for detachably connecting the other longitudinal edge of said latter-mentioned flap to the other cover portion, a head cover portion secured to the head end of said bottom cover portion, means for detachably connecting said head portion at the sides to the ends of said flaps, respectively, means for attaching the top end of said head portion to the corresponding head end of said top cover portion, and means for holding said top cover portion in raised position when said sleeping bag is desired also to serve as a shelter tent.

2,259,268
DRUM
George M. Robison, Highland Park, Calif.
Application April 1, 1939, Serial No. 265,437
10 Claims. (Cl. 84—419)



1. In a drum, a drum body, supporting means pivotally mounting said body, a drum head for the drum body, means for varying the tension of said head comprising an operating rod, means connecting said rod to said drum head, a lever fulcrumed on said body, means connecting said lever to said rod, a manually operable lever mounted on said supporting means, and an adjustable link connecting said lever to said manually operable lever.

2,259,269
UNIVERSAL NUT
John L. Ruth, York, Pa.
Application May 14, 1940, Serial No. 335,105
3 Claims. (Cl. 85—2.4)

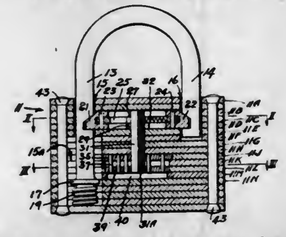


1. A nut having on its interior a single female thread of substantially uniform size and pitch from one end of the nut to the other, said female thread being divided longitudinally of the nut into separate sets of thread portions and having its continuity broken and said sets of thread portions being offset axially of the nut thereby forming open spaces or gaps to permits male threads of a screw fastener of the same and of greater leads to pass through the gaps or open spaces while making recurrent screw contact with one set of the thread portions.

2,259,270
SOLUTION FOR ELECTROLYTIC DEPOSITION OF TARNISH-RESISTING SILVER ALLOYS
James Ryder, Denver, Colo., assignor of one-half to L. Bernard Davis and R. H. Galbreath, both of Denver, Colo.
No Drawing. Application February 15, 1938, Serial No. 190,600
2 Claims. (Cl. 204—43)

1. An electroplating solution comprising: silver fluoride; stannic fluoride; tartaric acid; uranium hydroxide; dextrose; boric acid; and water.

2,259,271
PADLOCK
James I. Seay, Jr., Memphis, Tenn.
Application February 10, 1941, Serial No. 378,159
4 Claims. (Cl. 70—38)



1. A padlock, comprising a case having two shackle sockets, a shackle with its legs received in said sockets, each of said legs having a locking notch, means biased for locking engagement with said notches, and key operable means for effecting disengagement of said locking means from said notches, said case having a centrally disposed bore extending parallel with said sockets and closed at its ends, said locking and unlocking means including a post turnably mounted in said bore, and operably connected to said notch engagement means, a plate rigidly secured on said post and carrying a plurality of depending pins, a guard apertured to receive said pins and normally spaced from said plate to render end portions of said pins inaccessible, said guard being shiftable toward said plate to permit access to said pins, means preventing shifting of said plate and post axially along said bore, means limiting separation of said guard from said plate, and a key having openings complementary to said pins and their spacing, said casing being apertured transversely of said bore and below the level of said guard for insertion of said key, and slotted above said opening to permit shifting movement of said key axially of said bore to displace said guard and effect pin engagement, and to permit subsequent turning movement of said key about said post axis to effect post turning and unlocking shift of said notch engaging means.

2,259,272
SIGNBOARD
Murray E. Sholkin, Newtonville, Mass., and Samuel L. Glickman, New York, N. Y.
Application February 10, 1940, Serial No. 318,286
2 Claims. (Cl. 40—125)

1. A sign-board assembly comprising a board

having one face thereof adapted to receive and hold characters for signs, a mask against said face having an ornamental aperture therethrough exposing such limited portion of said face as has received and holds such characters in sign-conveying relationship, a binding member secured to said board and covering the side and bottom edges thereof, said binding member having a



flange overlapping adjacent margins of said mask, a top binding member covering the top edge of the board and overlapping the top margin of the mask, and means for releasably securing said top binding member in place, said securing means consisting of an internally threaded socket element sunk into the top edge of the board and a screw extending through said top binding member and threaded into said socket element.

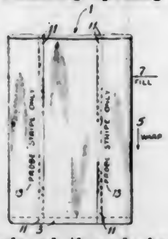
2,259,273
SANDAL
Iredell M. Smith, Richmond Heights, Mo., assignor to Foot-Sadl, Inc., a corporation of Missouri
Application February 1, 1939, Serial No. 253,982
1 Claim. (Cl. 36—11.5)



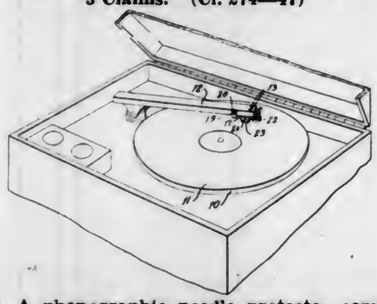
In a sandal, an outsole, an insole of the same configuration as the outsole, a cushion middle sole of less extent, a line of stitches uniting the outsole and insole beyond the middle sole, and an upper portion extending through slits in the insole inwardly of the stitches and inwardly beneath the middle sole.

2,259,274
BAG
William D. Stohlman, St. Louis, Mo., assignor to Bemis Bro. Bag Company, St. Louis, Mo., a corporation of Missouri
Application January 2, 1941, Serial No. 372,719
10 Claims. (Cl. 139—389)

1. A bag comprising a body portion of relatively large area tightly plain woven to hold comminuted material, and a probe stripe of relatively small area constituted throughout by a basket weave, the weave of the stripe admitting of the insertion of a sampling probe with shifting but without breakage of threads and withdrawal of the sampling probe and subsequent closing of the resulting opening solely by shifting of the displaced threads back into normal position.



2,259,275
PHONOGRAPH RECORD CLEANER AND NEEDLE PROTECTOR
Lawrence Stone, Jr., Denver, Colo.
Application November 14, 1940, Serial No. 365,617
3 Claims. (Cl. 274—47)



1. A phonographic needle protector comprising: a needle enclosing sleeve about the phonographic needle; a frame extending rearwardly from said sleeve; a yoke member on the rear of said frame; ears extending upwardly from said yoke member; pivot means in said ears for engaging the tone arm of a phonograph; and a record contacting device carried by said frame below said protecting member for lifting the latter above the point of the needle when the latter is lowered into contact with a record.

2,259,276
PARENTERAL INJECTION UNIT
John E. B. Swabacker, Chicago, Ill.
Application August 16, 1940, Serial No. 352,846
3 Claims. (Cl. 128—214)



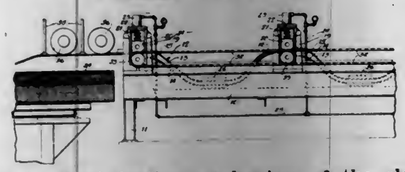
1. A parenteral injection unit comprising a container having sterile injection solution therein and an open top, a plug attached within the upper portion of said container, said plug having a pair of spaced openings extending therethrough, an air inlet tube with its upper end positioned in one of said openings and extending into said container, the second opening formed to receive a connector, a closure adapted to removably close the open top of said container, sealing means between the top of the container and said closure, said closure having a hollow upper cap portion, a length of sterile tubing, a sterile needle attached to one end of said tubing, and a sterile connector attached to the other end of said tubing, a clamping device attached to said tubing, said tubing rolled or folded and with said attachments housed within the cap portion of said closure, said tubing and attachments removable from said closure upon detachment of the closure from said container so that upon inserting the connector into sealing communication with the second of said openings in the plug the unit may be immediately used for a parenteral injection.

2,259,277
METHOD OF PICKLING SHEETS OR THE LIKE
Harry W. Theiss, Louisville, Ohio, assignor to Continental Steel Corporation, Kokomo, Ind., a corporation of Indiana
Application November 28, 1938, Serial No. 242,757
1 Claim. (Cl. 148—8)



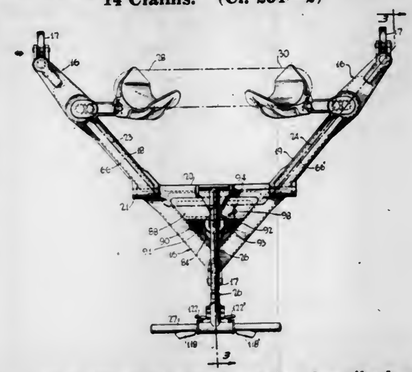
The method of feeding sheets through a pickling bath which consists in providing an undulatory pathway for the sheets from end to end of the bath, which pathway recurrently extends below and recurrently emerges above the surface of the liquid and imparting to the sheets a feeding force to compel the sheets to move through said pathway and cause the sheets to be bent back and forth with sufficient frequency and abruptness and to a sufficient extent to dislodge scale and other impurities adhering to the surfaces of the sheets whereby the sheets are mechanically cleaned of such scale and other impurities simultaneously with the pickling of the sheets.

2,259,278
MECHANISM FOR FEEDING METALLIC SHEETS THROUGH A BATH
Harry W. Theiss, Louisville, Ohio, assignor to Continental Steel Corporation, Kokomo, Ind., a corporation of Indiana
Application November 28, 1938, Serial No. 242,758
4 Claims. (Cl. 266—7)



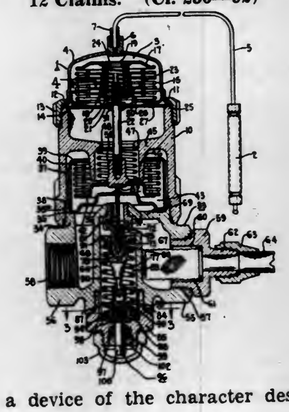
1. In sheet feeding mechanism of the class described, the combination of a tank adapted to contain liquid, an undulatory guideway extending from end to end of the tank and alternately descending below the intended level of the liquid and alternately extending above said level and adapted to guide flexible sheets therethrough for alternate submergence and elevation, pairs of rollers located each at a point of elevation of the guideway above the liquid level, means for operating said pairs of rollers in unison for relaying the individual sheets through the guideway, said means including a common source of power and sprocket mechanism leading therefrom to one of the rollers of each pair, and fluid pressure means for exerting uniform pressure between the rollers of each pair.

2,259,279
DOLLY
Michael Watter, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 2, 1940, Serial No. 316,887
14 Claims. (Cl. 254—2)



7. In a device of the character described, supporting means, inclined pivotally mounted saddles for engaging and embracing a vehicle wheel for lifting the same, means for lifting said saddles, and means operative by said lifting means to lock said saddles against pivotal movement during lifting.

2,259,280
CONTROL DEVICE
Daniel D. Wile, Utica, N. Y., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application May 14, 1935, Serial No. 21,347
Renewed February 5, 1940
12 Claims. (Cl. 236—92)



1. In a device of the character described, a

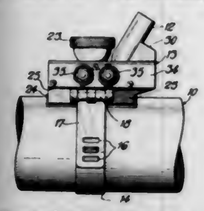
casing having a port, a valve in said casing controlling flow through said port, resilient means urging said valve in one direction, a supporting means for said resilient means, said supporting means being rotatably fixed and rectilinearly movable for varying the resiliency of said resilient means, manual adjusting means accessible externally of said casing for rectilinearly moving said supporting means, said manual adjusting means having a recess therein, and a valve carrier member having a recess in one end for receiving said valve and having its other end slidably guided in the recess in said manual adjusting means.

2,259,281

METHOD AND APPARATUS FOR SOLDERING CONNECTIONS TO CABLE SHEATHS

Ernest Williams, Jackson Heights, and Constantine P. Xenis, Little Neck, N. Y., assignors to Consolidated Edison Company of New York, Inc., New York, N. Y., a corporation of New York

Application March 6, 1941, Serial No. 381,954
5 Claims. (Cl. 22—216)



1. The method of connecting a ground or bonding conductor to the surface of a metallic cable sheath by a mass of solder providing a thermal storage means at the connection, which comprises surrounding the area to which the desired mass is to be applied on the surface of the sheath, with a gasket, removably clamping upon said gasket a mold having a gate opening in its upper side and formed with a cavity for the mass, said cable sheath area forming an extensive wall portion of said cavity, inserting the conductor into said cavity through said gate opening, filling said cavity with solder pellets, applying heat from a source within the walls of said mold sufficient to cause said pellets to collapse into a molten mass but insufficient to melt said sheath, and then allowing the mass to cool and thereby provide an integral massive connection on the sheath and embracing the conductor.

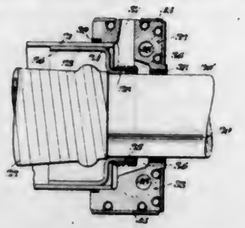
2,259,282

MOLDING MEANS FOR CABLE JOINTS AND THE LIKE

Ernest Williams, Jackson Heights, and Constantine P. Xenis, Little Neck, N. Y., assignors to Consolidated Edison Company of New York, Inc., New York, N. Y., a corporation of New York

Application February 15, 1941, Serial No. 379,016
12 Claims. (Cl. 22—116)

1. A mold for casting a solder seal between the end of a cable joint sleeve and a cable sheath extending therein, comprising a plurality of complementary mold sections each having a semicircular recess for embracing one side of a cable sheath and each section extending generally radially outwardly from such recess to a peripheral portion adapted to embrace a portion of the sleeve edge, means for removably clamping said sections in respect to each other and to the sheath and sleeve, and arcuately extending electrical resistance heating elements embedded within the



walls of each of said mold sections along regions intermediate between the portions which embrace the cable sheath and the sleeve.

2,259,283

TEXTILE FABRIC

Arthur H. Adams, Jr., Florence D. Leech, and Herman Epstein, Newark, N. J., assignors, by direct and mesne assignments, to Colorspace Patent Corporation, Newark, N. J., a corporation of New Jersey

Application May 18, 1940, Serial No. 335,938
25 Claims. (Cl. 66—169)



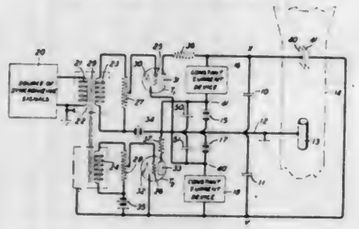
1. The method of planning the looping by hand of fabrics from polychrome yarn comprising, predetermining in relation to each other the width of the fabric, the length of the color cycle, and the position of the cycle with respect to the edge of the fabric.

2,259,284

SWEEP CIRCUITS

Millard W. Baldwin, Jr., Glen Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application August 26, 1937, Serial No. 160,992
16 Claims. (Cl. 250—27)



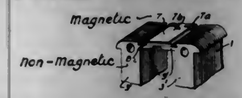
1. The combination with a condenser, of means including a source of continuously direct potential for slowly discharging a charge on said condenser and immediately slowly charging it in the reverse direction, means including a second source of continuously direct potential for then quickly discharging it and reversely charging it with current from said second source, and means for maintaining one terminal of said condenser at a fixed potential at all times.

2,259,285

METER

Thomas D. Barnes, West Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 12, 1938, Serial No. 234,611
3 Claims. (Cl. 171—264)



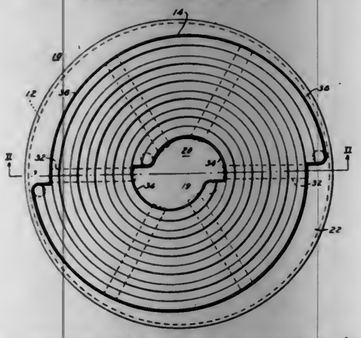
1. In a shunt assembly, a non-magnetic spacer, a plurality of spaced magnetic members on a first face of said spacer, and a plurality of spaced magnetic shunts on a second face of said spacer for bridging said magnetic members, said spacer, members and shunts being united on their adjacent faces.

2,259,286

ELECTRIC HEATING UNIT

Alfons Barnsteiner and Joseph H. Reifenberg, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 12, 1938, Serial No. 224,563
1 Claim. (Cl. 219—37)



An electric heating unit comprising, in combination, a spirally-wound elongated heating body having throughout its working length a flattened top located in substantially a single plane, the convolutions of said body forming a space therebetween, and an elongated three-sided sheet-metal body having two opposite sides complementarily surfaced with respect to said heating body disposed in said space to fit said heating body, the third side of said sheet-metal body being flat and disposed in substantially said plane.

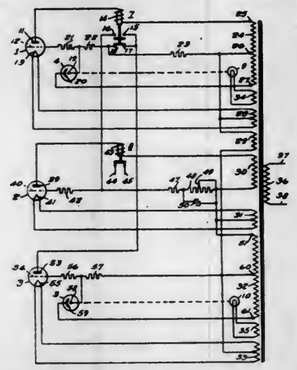
2,259,287

PHOTOELECTRIC CONTROL

Waldemar I. Bendz, Arlington, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 3, 1940, Serial No. 351,021
12 Claims. (Cl. 250—41.5)

7. A light-responsive control circuit comprising an electrical discharge tube having a control electrode and a pair of principal electrodes, means for energizing said electrodes, a photo-electric cell connected to said means to cause said control electrode to render said discharge tube non-conductive when said photo-electric cell is illuminated, but to render said discharge tube conductive when said photo-electric cell is dark, a relay energized by current flow through said discharge tube to close a first pair of contacts when said discharge tube is conductive and to close a second pair of contacts when said discharge tube is non-conductive, a second electrical discharge tube having a pair of principal electrodes and a control electrode, a second photo-electric cell connected to the last-mentioned control electrode to render said second electrical discharge tube non-



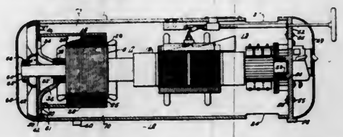
conductive when said second photo-electric cell is illuminated while leaving said second discharge tube conductive when said second photo-electric cell is dark, a load circuit and a circuit interrupter therein which is kept open except when a control element is energized by current flow, and means to connect said control element in series with a source of voltage and with said first set of contacts and the principal electrodes of said second discharge tube.

2,259,288

DYNAMOELECTRIC MACHINE

John H. Blankenbuehler, Edgewood, and Theodore C. Fockler, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 23, 1939, Serial No. 280,689
3 Claims. (Cl. 171—123)



1. The combination in a motor generator unit having a common elongated frame with a generator field structure positioned therein adjacent one end, a rotor comprising a motor rotor and a generator armature structure, and an end member at the generator end of the common frame having a bearing for supporting the generator end of the rotor, of a motor frame, a motor stator positioned within the motor frame, a bearing support for the motor end of the rotor, and a plurality of spaced radial support members secured to the motor frame and bearing support to maintain them in fixed relation and extending beyond the motor frame to engage the common frame and position the motor frame within and in spaced relation to the common frame.

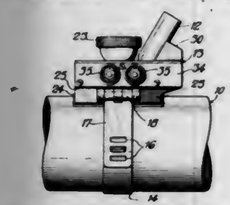
casing having a port, a valve in said casing controlling flow through said port, resilient means urging said valve in one direction, a supporting means for said resilient means, said supporting means being rotatably fixed and rectilinearly movable for varying the resiliency of said resilient means, manual adjusting means accessible externally of said casing for rectilinearly moving said supporting means, said manual adjusting means having a recess therein, and a valve carrier member having a recess in one end for receiving said valve and having its other end slidably guided in the recess in said manual adjusting means.

2,259,281

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Application March 6, 1941, Serial No. 381,954
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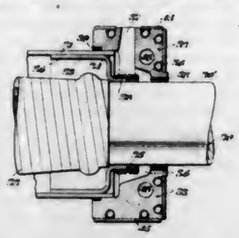
2,259,282

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Application February 15, 1941, Serial No. 379,016
12 Claims. (Cl. 22—116)

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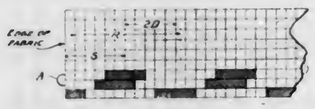
walls of each of said mold sections along regions intermediate between the portions which embrace the cable sheath and the sleeve.

2,259,283

TEXTILE FABRIC

Arthur H. Adams, Jr., Florence D. Leech, and Herman Epstein, Newark, N. J., assignors, by direct and mesne assignments, to Colorspace Patent Corporation, Newark, N. J., a corporation of New Jersey

Application May 18, 1940, Serial No. 335,938
25 Claims. (Cl. 66—169)



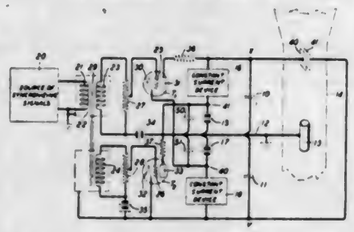
1. The method of planning the looping by hand of fabrics from polychrome yarn comprising, predetermining in relation to each other the width of the fabric, the length of the color cycle, and the position of the cycle with respect to the edge of the fabric.

2,259,284

SWEEP CIRCUITS

Millard W. Baldwin, Jr., Glen Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application August 26, 1937, Serial No. 160,992
16 Claims. (Cl. 250—27)



1. The combination with a condenser, of means including a source of continuously direct potential for slowly discharging a charge on said condenser and immediately slowly charging it in the reverse direction, means including a second source of continuously direct potential for then quickly discharging it and reversely charging it with current from said second source, and means for maintaining one terminal of said condenser at a fixed potential at all times.

2,259,285

METER

Thomas D. Barnes, West Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 12, 1938, Serial No. 234,611
3 Claims. (Cl. 171—264)



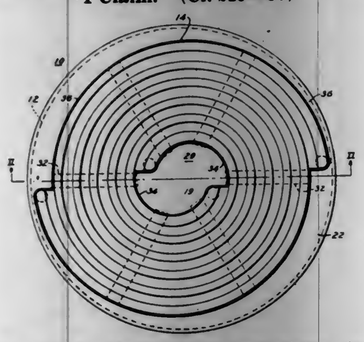
1. In a shunt assembly, a non-magnetic spacer, a plurality of spaced magnetic members on a first face of said spacer, and a plurality of spaced magnetic shunts on a second face of said spacer for bridging said magnetic members, said spacer, members and shunts being united on their adjacent faces.

2,259,286

ELECTRIC HEATING UNIT

Alfons Barnsteiner and Joseph H. Reifenberg, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 12, 1938, Serial No. 224,563
1 Claim. (Cl. 219—37)



An electric heating unit comprising, in combination, a spirally-wound elongated heating body having throughout its working length a flattened top located in substantially a single plane, the convolutions of said body forming a space therebetween, and an elongated three-sided sheet-metal body having two opposite sides complementarily surfaced with respect to said heating body disposed in said space to fit said heating body, the third side of said sheet-metal body being flat and disposed in substantially said plane.

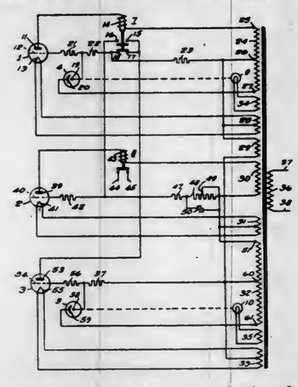
2,259,287

PHOTOELECTRIC CONTROL

Waldemar I. Bendz, Arlington, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 3, 1940, Serial No. 351,021
12 Claims. (Cl. 250—41.5)

7. A light-responsive control circuit comprising an electrical discharge tube having a control electrode and a pair of principal electrodes, means for energizing said electrodes, a photo-electric cell connected to said means to cause said control electrode to render said discharge tube non-conductive when said photo-electric cell is illuminated, but to render said discharge tube conductive when said photo-electric cell is dark, a relay energized by current flow through said discharge tube to close a first pair of contacts when said discharge tube is conductive and to close a second pair of contacts when said discharge tube is non-conductive, a second electrical discharge tube having a pair of principal electrodes and a control electrode, a second photo-electric cell connected to the last-mentioned control electrode to render said second electrical discharge tube non-



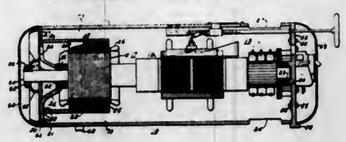
conductive when said second photo-electric cell is illuminated while leaving said second discharge tube conductive when said second photo-electric cell is dark, a load circuit and a circuit interrupter therein which is kept open except when a control element is energized by current flow, and means to connect said control element in series with a source of voltage and with said first set of contacts and the principal electrodes of said second discharge tube.

2,259,288

DYNAMOELECTRIC MACHINE

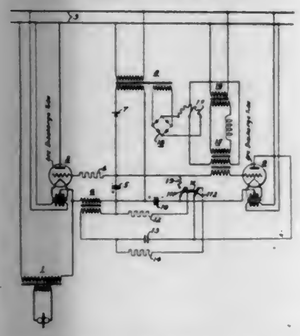
John H. Blankenbuehler, Edgewood, and Theodore C. Fockler, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 23, 1939, Serial No. 280,689
3 Claims. (Cl. 171—123)



1. The combination in a motor generator unit having a common elongated frame with a generator field structure positioned therein adjacent one end, a rotor comprising a motor rotor and a generator armature structure, and an end member at the generator end of the common frame having a bearing for supporting the generator end of the rotor, of a motor frame, a motor stator positioned within the motor frame, a bearing support for the motor end of the rotor, and a plurality of spaced radial support members secured to the motor frame and bearing support to maintain them in fixed relation and extending beyond the motor frame to engage the common frame and position the motor frame within and in spaced relation to the common frame.

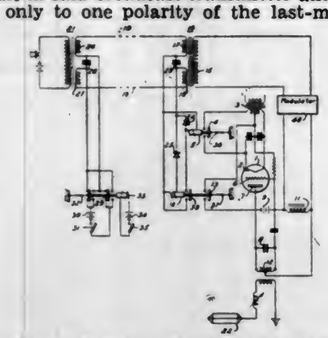
2,259,289
HALF-WAVE SPOT WELDING
Wilhelm Blumentritt, Berlin-Haselhorst, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 21, 1938, Serial No. 209,158
In Germany September 9, 1937
5 Claims. (Cl. 250—27)



1. In combination a main discharge device having a control electrode and a plurality of principal electrodes and a gaseous medium, a source of potential for impressing a potential between said control electrode and one of said principal electrodes to maintain said device nonconductive, an auxiliary discharge device having a plurality of principal electrodes and a gaseous medium, a circuit including the principal electrodes of said auxiliary device for so coupling said auxiliary device between the control electrode and a principal electrode of said main device that when said auxiliary device becomes conductive said main device is rendered conductive, said circuit including a first capacitor and a second capacitor, and means supplied only from said source for charging said first capacitor to impress an energizing potential between the principal electrodes of said auxiliary device, said second capacitor being charged through said auxiliary device from said first capacitor to render said auxiliary device non-conductive after a predetermined time interval.

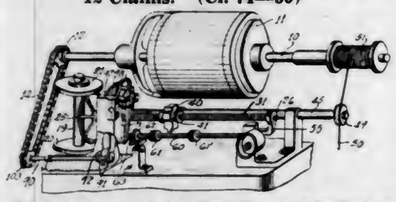
2,259,290
TRIPLEX CIRCUIT FOR RADIOPHONE TRANSMITTERS
Ashley P. Bock, Catonsville, Md., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 13, 1939, Serial No. 309,034
7 Claims. (Cl. 250—17)

1. In combination, a transmission line comprising two metallic conductors respectively connected to the opposite terminals of the secondary of a transformer having its primary energized by speech currents to be transmitted, a capacitor in series with said transmission line near its input and means for impressing a direct-current potential of one polarity at one time on said condenser and for impressing a potential of opposite polarity at other times on said condenser, a receiving transformer at the other end of said transmission line having its secondary connected to a broadcast transmitter and having a primary winding connected in series with a capacitor, a first relay arranged to close one operating circuit in said broadcast transmitter and responsive only to one polarity of the last-mentioned



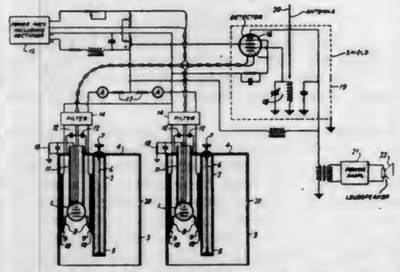
capacitor, and a second relay arranged to close another operating circuit of said transmitter and responsive only to the opposite polarity of said last-mentioned condenser.

2,259,291
TRAVERSE MECHANISM FOR WINDING MACHINES
Penrose E. Chapman, St. Louis, Mo.
Application February 6, 1939, Serial No. 254,809
12 Claims. (Cl. 74—59)



1. In traverse mechanism for a winding machine, said mechanism including a reversible drive comprising driving and driven elements, and means for moving at least one of said elements to reverse the drive, the combination of a cam; a follower operable by said cam; a spring connection between said follower and said element-moving means; and means independent of said driven element for actuating said cam to cause the follower to stress said spring connection as a preliminary to the movement of said element for reversing purposes.

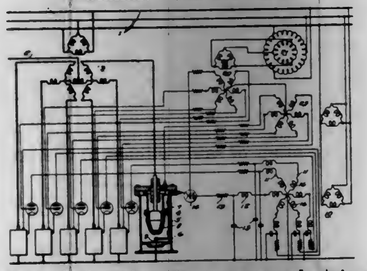
2,259,292
ULTRA SHORT WAVE APPARATUS
James W. Conklin, Audubon, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 17, 1939, Serial No. 304,889
13 Claims. (Cl. 178—44)



1. The combination with a tuned circuit in the

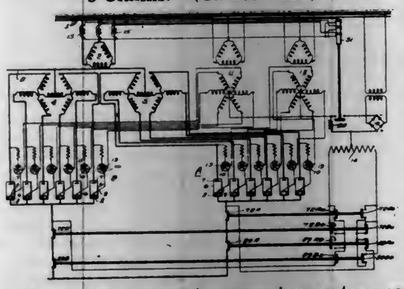
form of a coaxial line resonator having an outer conductor and a coaxial inner conductor, of a multi-electrode electron discharge device located between the conductors of said resonator, a connection coupling one electrode of said device to the inner surface of said outer conductor and a connection coupling another electrode of said device to the inner conductor, whereby the wiring between said electrodes and said resonator are reduced to a minimum, and means for adjusting the position of said device and associated connections over a portion of the length of said line resonator.

2,259,293
VAPOR ELECTRIC SYSTEM
Joseph H. Cox, Pittsburgh, and Henry C. Myers, Irwin, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 2, 1940, Serial No. 349,656
3 Claims. (Cl. 175—354)



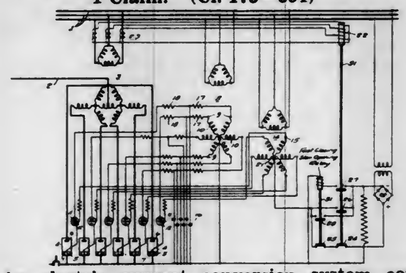
1. A control system for a vapor-electric valve of the make-alive type, said valve including a main anode and a cathode, a make-alive electrode in contact with the cathode, an anode shield substantially enclosing the anode, a control transformer for supplying control potential to the make-alive electrode, means for periodically applying current impulses from said control transformer to said make-alive electrode for initiating a cathode spot in said make-alive valve, an auxiliary source of exciting potential independent of the load, and means for impressing the exciting of said auxiliary source on said anode shield.

2,259,294
ARC SNUFFING CIRCUIT
Joseph H. Cox and Robert R. Longwell, Forest Hills, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 2, 1940. Serial No. 349,658
5 Claims. (Cl. 175—354)



1. An electric current conversion system comprising a plurality of parallel connected groups of vapor electric valves, a control electrode for each of said valves, control means for periodically and successively applying a potential of the proper polarity to said valves to successively render the valves of the several groups conducting, a balancing impedance for connecting said control means to the cathodes of the several groups of valves, a source of biasing potential, fault responsive relay means for connecting the potential of said source between said balancing resistor and said control means, a fault responsive circuit interrupter in series with each group of valves and auxiliary contacts carried by each circuit interrupter for connecting the balancing impedance only to the faulting group in the event of fault actuation of the circuit interrupter.

2,259,295
PROTECTIVE SYSTEM FOR VAPOR ELECTRIC DEVICES
Joseph H. Cox and Robert R. Longwell, Forest Hills, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 2, 1940, Serial No. 349,659
1 Claim. (Cl. 175—354)

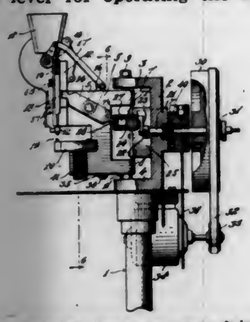


An electric current conversion system comprising an alternating current circuit, a direct current circuit, means including a plurality of make-alive type valves for controlling the flow of energy between said circuits, a make-alive electrode in each of said valves, a control transformer for supplying make-alive energy to said make-alive electrodes, firing tubes in series with each of said make-alive electrodes, a control grid in each of said firing tubes, a firing transformer for supplying energy to said control grids, a source of biasing potential for connection to said firing transformer, a high speed fault responsive relay associated with said converter means controlled by said relay for connecting said biasing potential to said firing transformer, and an auxiliary relay of the fast closing slow opening type energized by said first mentioned fault responsive relay for maintaining said biasing potential for a predetermined time interval.

2,259,296
RIVET-SETTING MACHINE
Stanley S. Cramer, Haddon Heights, N. J., assignor of one-half to Elmer G. Van Name, Haddonfield, N. J.
Application July 20, 1940, Serial No. 346,457
17 Claims. (Cl. 218—0.5)

1. A rivet-setting machine including a main frame member, a pair of members pivotally mounted in spaced relation on said frame member, means engaging said pair of members for holding said pair of members in adjusted relative position with respect to each other, and each carrying rivet-feeding and setting mechanisms.

each of said pair of members having a lever rotatably carried thereon and means cooperative with said lever for operating the rivet-feeding



and setting mechanisms, a power drive shaft carried by the frame member, and common means for drivingly connecting the shaft with both the levers, and power means for driving the shaft.

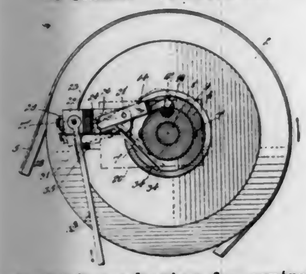
2,259,297

FABRICATING MACHINE SAFETY CLUTCH

Stanley S. Cramer, Haddon Heights, N. J., assignor of one-half to Elmer G. Van Name, Haddonfield, N. J.

Application July 27, 1940, Serial No. 347,843

12 Claims. (Cl. 192—25)



9. In a clutch mechanism for controlling the operation of a fabricating machine having a shaft and a normally free-running drive-wheel on the shaft; clutch means carried by the shaft for engaging a part on the drive-wheel, a pivoted lever for controlling said clutch means, an arm carried by said lever for restoring it to declutching position under a certain condition of operation as described, a second pivoted lever connected to a starting device, and resiliently actuated means for interconnecting the two levers so actuation of said starting device will move both levers simultaneously to release said clutch means, but allowing the first-mentioned lever to be returned automatically to declutching position on rotation of said shaft independently of the position of the second-mentioned lever the first-mentioned lever arm extending toward the shaft, and means operated by the shaft for engaging said arm to produce the automatic action described.

2,259,298

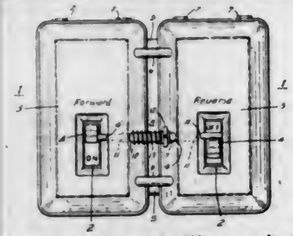
REVERSING LINE STARTER

Robert L. de Loache, Atlanta, Ga., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application April 24, 1940, Serial No. 331,348

2 Claims. (Cl. 200—50)

1. In combination, an electric circuit interrupter comprising at least two separate, manually operable switches, operating handles for said switches and a mechanical interlock, manually operable in one direction and including resilient means for automatic operation in the opposite direction, disposed in cooperative relation with said handles, said interlock comprising a slidably mounted shaft having an operating handle and a spring to bias the shaft in one direction, said



shaft, in one position, abutting against the side of one of the said handles, at one end thereof, thus allowing free movement of the handle to actuate the corresponding switch to either open or closed position, the other end of said shaft being disposed over the top of the other of said handles to prevent the movement of said handle to actuate the corresponding switch, thereby locking the other of said switches in one position.

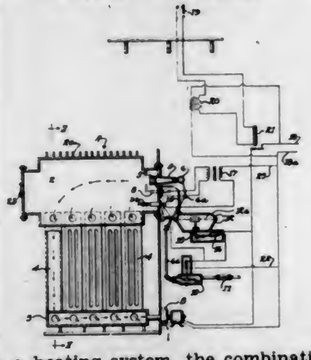
2,259,299

HEATING APPARATUS

Maurice J. Dewey, Detroit, Mich.

Application April 18, 1938, Serial No. 202,679

3 Claims. (Cl. 158—28)



1. In a heating system, the combination of a combustion chamber, a burner communicating with a source of fuel supply and extending into the combustion chamber, an electrically operated ignition means located in said chamber adjacent the delivery end of the burner and included in an electric circuit, a valve controlling the flow of fuel to the burner, means for circulating air through the combustion chamber, a pressure operated device comprising a closed casing having a flexible diaphragm at one side thereof and communicating with the interior of the combustion chamber through the medium of a passage, the end of the passage communicating with the combustion chamber being so located with respect to the air stream circulated through the combustion chamber by the means aforesaid that a suction is created in the passage and the pressure in said casing is reduced to effect an operation of the diaphragm, and means operated by the diaphragm in response to the reduction in pressure aforesaid for closing the circuit to the ignition means and for opening said valve, said passage also having a restriction predetermined to insure operation of the air circulating means for a definite period before the diaphragm operates to close the circuit to the ignition means and to open said valve.

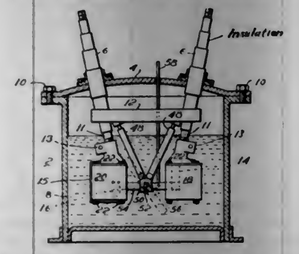
2,259,300

CIRCUIT INTERRUPTER

Lloyd W. Dyer, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 30, 1939, Serial No. 297,333

5 Claims. (Cl. 200—150)



1. Circuit breaker construction including a tank having a removable cover, spaced insulating bushings extending through said cover, conducting means in said bushings and extending beyond the ends thereof to form terminals outside of said tank and contacts within said tank, and bracing means connecting said bushings intermediate said contacts and cover within said tank.

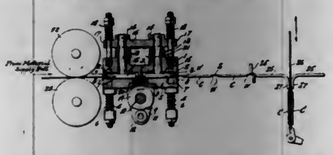
2,259,301

MECHANISM FOR AND METHOD OF PRODUCING RECEPTACLES

Harry L. Evans, Newport, R. I., assignor to United States Automatic Box Machinery Co., Inc., Roslindale, Mass., a corporation of Massachusetts

Application January 17, 1939, Serial No. 251,375

8 Claims. (Cl. 113—46)



1. In a method of making receptacles from ductile sheet material, the steps of clamping portions of a blank composed of such material which are marginal to an included area of an end portion thereof desired to be preformed, applying force perpendicularly to a central portion of said included area which is of reduced area as compared with the total included area to thereby depress said central portion and stretch the free portions of said included area which lie outwardly of said central portion thereof whereby to preform a fixed cavo-relievo section adapted to define and bound the interior space of the ultimate receptacle, then folding the other end portion of said blank over said first mentioned end portion thereof to thereby close the open side of said cavo-relievo section, and thereafter joining the meeting marginal parts of said folded together end portions to complete the receptacle.

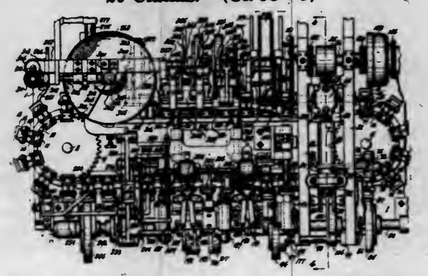
2,259,302

PACKAGE MAKING AND FILLING MACHINE

Harry L. Evans, Newport, R. I., assignor to United States Automatic Box Machinery Co., Inc., Roslindale, Mass., a corporation of Massachusetts

Application March 28, 1939, Serial No. 264,553

20 Claims. (Cl. 93—3)



1. In a machine of the kind described, in combination, an intermittently actuated endless conveyer mechanism having spaced gripper devices, a reciprocable plunger blade and cooperating material guide means, means to supply predetermined lengths of sheet material relative to said plunger blade and guide means subject to be engaged and folded upon itself into a package blank by operative movement of the blade through said guide means and then delivered thereby to an awaiting gripper device of said conveyer mechanism positioned to receive the same, means operating in timed relation to said plunger blade to open the awaiting gripper device for the reception of the folded package blank and then close the same for holding said blank subject to transport by said conveyer mechanism, and means stationed along said conveyer mechanism at points of dwell thereof adapted to manipulate side marginal portions of said blank to form therefrom side closure seams to thereby produce a package having an upper open end.

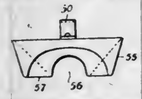
2,259,303

HARROWING SCRAPER IN SEED SOWING MACHINES

Anton Georg Ewerth, Stocksund, Sweden, assignor to Erik Vilhelm Walter Hallwyl Von Geijer, Stockholm, Sweden

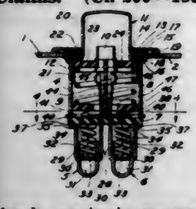
Original application November 19, 1938, Serial No. 241,304. Divided and this application July 14, 1939, Serial No. 284,473. In Sweden September 9, 1938

2 Claims. (Cl. 97—56)



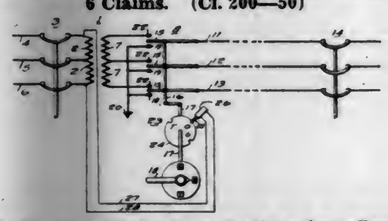
1. A furrow closing means comprising a block adapted to be advanced on the ground and having downwardly converging outer surface portions, a longitudinal channel portion in the bottom thereof, and scraping edges forming the lateral surface portions of said channel and converging rearwardly to a small rear opening at the end thereof, said block having means whereby the same may be hinged to a sowing machine.

2,259,304
PUSH BUTTON SWITCH
William M. Foster, Bronson, Mich., assignor to H. A. Douglas Mfg. Co., Bronson, Mich., a corporation of Michigan
Continuation of application Serial No. 188,445, February 3, 1938. This application March 10, 1941, Serial No. 382,612
13 Claims. (Cl. 200—159)



1. A switch back, contacts secured to and extending from said back, an upstanding insulator loosely mounted on said back between said contacts, a substantially flat insulator engaging said upstanding insulator and resilient means engaging said flat insulator for pressing and holding said upstanding insulator in relation to said back.

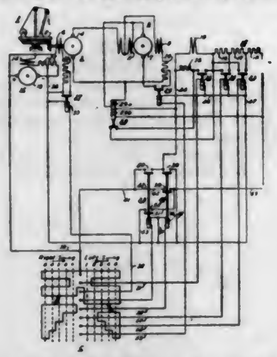
2,259,305
SWITCH OPERATING MECHANISM
Henry S. Gates, Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 20, 1940, Serial No. 346,557
6 Claims. (Cl. 200—50)



1. In an operating mechanism for effecting the movement of a transformer grounding switch between an open position, a transformer position, and a ground position, in combination, a housing for the operating mechanism, a shaft rotatably mounted in the housing for actuating the switch, a ratchet wheel carried by the shaft, a pawl associated with the ratchet wheel and arranged to permit free movement of the switch between open and transformer positions while preventing movement from open to ground position, means disposed for manual operation to actuate the pawl to release the ratchet wheel when the switch is in open position and permit movement of the shaft to actuate the switch to the ground position, and means for preventing the manual operation of the pawl actuating means for effecting the release of the ratchet wheel unless the shaft is first moved to transformer position.

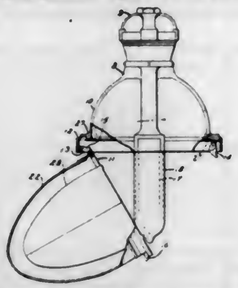
2,259,306
ELECTRIC SHOVEL CONTROL
William R. Harding, Murrysville, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 27, 1940, Serial No. 367,393
13 Claims. (Cl. 172—239)

1. In a variable voltage control system including a generator having a self-excited shunt field winding and a separately excited shunt field winding, a source of energizing potential therefor, and a motor energized by said generator, a relay having two coils thereon, one of which is energized by the voltage of the generator and the other of which is energized by a voltage proportional to that of the separately excited field



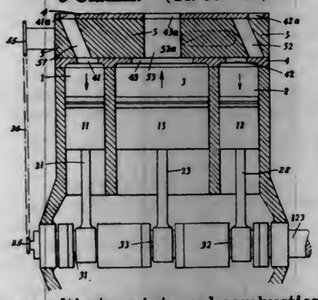
winding, and reversing means for said motor including switching means for reversing the direction of current flow from said source through said separately excited field winding, said relay having contact members in circuit relationship with said separately excited field whereby said relay is effective to minimize peak currents during reversal and at the same time maintain high torque and acceleration during reversal.

2,259,307
LIGHTING UNIT
Carl F. Herbold, Lakewood, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 12, 1939, Serial No. 250,536
2 Claims. (Cl. 240—147)



1. In an enclosed pendant type lighting unit, the combination of a hood, a globe ring, means for pivotally supporting said globe ring on said hood, a globe supported by said globe ring, an elongated tubular lamp extending within said globe to a point near the bottom thereof, a pair of reflectors disposed in juxtaposition within said globe, each of said reflectors being generally equal in length to the length of said lamp and comprising a pair of concave reflecting surfaces divergent from a line closely adjacent to said lamp, and means for supporting said reflectors on said globe ring substantially at right angles to said globe ring pivotal supporting means, whereby said reflectors clear said lamp when said globe ring is pivotally moved to its open position.

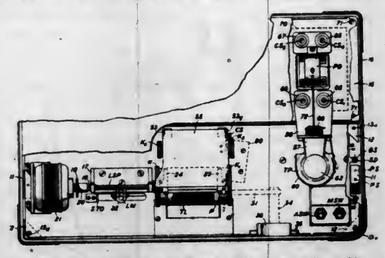
2,259,308
MULTISTAGE INTERNAL COMBUSTION ENGINE
Christian Wilhelm Paul Heylandt and Rudolf Mewes, Berlin-Britz, Germany; said Mewes assignor to said Heylandt
Application June 17, 1939, Serial No. 279,646
In Germany June 23, 1938
5 Claims. (Cl. 60—15)



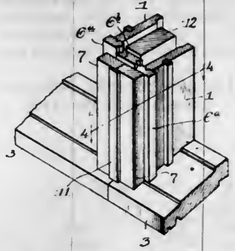
5. In a multi-stage internal combustion engine, a pair of internal combustion and first-stage expansion cylinders, a two-stroke second-stage expansion cylinder disposed between and being supplied with partially expanded burnt gases alternately from said first-stage cylinders, valve control means common to all three cylinders and comprising a valve housing and a rotary valve member therewithin and disposed parallel to the engine crankshaft; said valve housing being equipped with offset exterior and interior intake ports for each first-stage cylinder, an exterior and an interior exhaust port for the second-stage cylinder, said interior exhaust port and said interior intake ports serving sequentially also as transfer ports; said valve member having intake passages disposed obliquely to its rotational axis and adapted to sequentially register with the said offset intake ports, transfer passages in the valve member arranged parallel to its rotational axis and adapted to sequentially form communications between said interior exhaust port and said interior intake ports, and an exhaust passage passing diametrically through the valve member and adapted to sequentially connect said interior and exterior exhaust ports.

2,259,309
CHRONOMETRIC INSTRUMENT
Frank H. Hibbard, Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 4, 1937, Serial No. 178,177
2 Claims. (Cl. 234—36.5)

1. In a chronometric instrument having means for moving a record sheet, a marking device and means for moving the marking device transversely of the direction of movement of the record sheet, said marking device comprising a stylus and electromagnetic means for bringing said stylus into engagement with the record sheet, the improvement which comprises a bracket secured to said moving means and a bracket securely mounted on said first bracket and having a part supporting the electromagnetic means and another part for guiding the stylus, said first bracket having a flexible portion, and mutually adjustable means engaging said brackets for flexing the first bracket and thereby moving the second bracket to adjust said stylus relative to said record sheet.



2,259,310
WINDOW FRAME
Clifford W. Hurd, Dubuque, Iowa, assignor to Farley & Loetscher Manufacturing Company, Dubuque, Iowa, a corporation of Iowa
Application October 16, 1939, Serial No. 299,583
2 Claims. (Cl. 20—11)

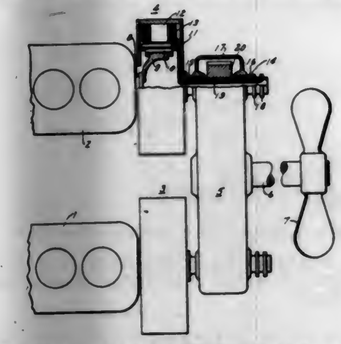


1. A multiple-opening window frame comprising a plurality of single-opening window frames joined together edge-to-edge with a mullion therebetween, each of said single-opening frames comprising a sill and upright jambs spaced inwardly from the ends of the sill to provide an open space within the mullion when two of said frames are assembled with the ends of their sills abutting, narrow blind stops fastened to the front edges of said jambs, a separate spacing member fitting between the opposing outer edges of the blind stops of the assembled frames with tongue and groove joints, and a casing strip nailed to the front face of the mullion to cover the joints between the blind stops and said spacing member.

2,259,311
ELECTRIC COUPLING
Lee A. Kilgore, Forest Hills, and René A. Baudry, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 11, 1939, Serial No. 261,356
7 Claims. (Cl. 172—284)

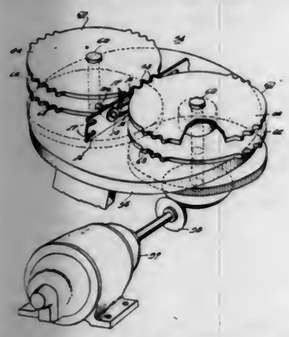
6. An electromagnetic slip coupling comprising, in combination, a driving member and a driven member, one of said members including a plurality of direct current energized salient poles and the other of said members including double decked, short circuited windings, one of relatively high resistance and the other of relatively low resistance, the respective resistances being of such value as to provide maximum pull out torque at a low slip value and to provide a torque of at

least 70% normal torque throughout a range from 2 to 28 cycles per second thereby minimizing the



transmission of torsional oscillations from the driving member to the driven member.

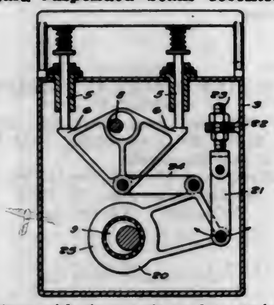
2,259,312
METHOD OF MANUFACTURING THERMOSTATIC DEVICES
Paul R. Lee, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 12, 1939, Serial No. 250,538
4 Claims. (Cl. 29—148)



1. The method of manufacturing slotted thermostatic devices, which comprises cutting a piece of composite thermostatic material to a form having a central strip and two lateral strips, and thereafter subjecting the lateral strips to separately adjustable mechanical deformations for producing a general curvature of the device and for determining the operating limits of such device.

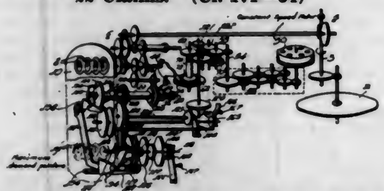
2,259,313
CONTACT CONVERTER
Gabriel Letsch, Berlin-Johannisthal, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 16, 1939, Serial No. 290,476
In Germany August 18, 1938
2 Claims. (Cl. 200—16)

1. A mechanical rectifier comprising a plurality of pairs of contactor devices, a tappet like stem for operating each of said contactor devices, a double-armed suspended beam for actuating a pair of said stems, a pivot axis intermediate the ends of said suspended beam eccentric means



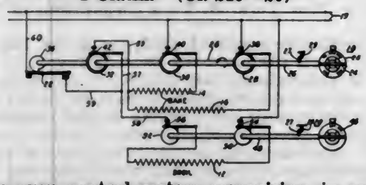
for adjusting said pivot axis and eccentric means for oscillating said beam about said pivot.

2,259,314
DEMAND REGISTER
Robert H. Lewis, North Arlington, and Paul G. Adams, Bloomfield, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 1, 1938, Serial No. 217,024
22 Claims. (Cl. 171—34)



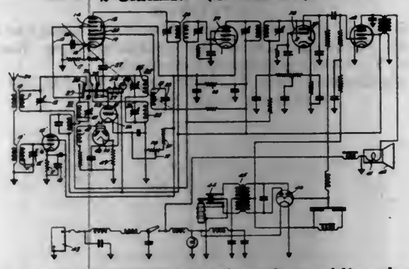
1. In an instrument, a member movable to a position corresponding to the demand measured by said instrument for a predetermined period, means for actuating said member including a releasable clutch, electromotive means for restoring said member against the resistance of said clutch to a predetermined setting, and means for restoring said member to said predetermined setting including means for releasing said clutch.

2,259,315
INVERTED THERMOSTAT DIAL
Edwin H. Lockwood and Earl K. Clark, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 13, 1939, Serial No. 267,579
1 Claim. (Cl. 219—20)



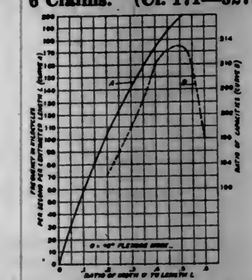
An oven control system comprising, in combination, first contact means, second contact means, bake heater means controlled by said first contact means, broil heater means controlled by said second contact means, and a single thermostat electrically associated with both said contact means and mechanically movable only when the first thereof is moved, said thermostat automatically occupying its highest setting upon said first contact means being moved to deenergize said bake heater means, and means for moving said second contact means to energize said broil heater means when said bake heater means is so deenergized, to thereby inherently provide protection for said broil heater means operating at the maximum heating capacity thereof without requiring any adjustment of said thermostat.

2,259,316
HIGHWAY RADIO SYSTEM
Frederick W. Lyle, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 23, 1939, Serial No. 257,891
2 Claims. (Cl. 250—6)



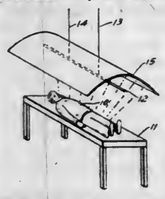
1. In a distribution system for public education, radio transmitting arrangements of low power located along the highways contiguous to places of general interest, said transmitters having radiating antennae so arranged as to be effective for radio frequency power distribution along limited distances to be intercepted by receivers of motor vehicles frequenting said highways, means to cause said transmitting arrangements to broadcast historical information relating substantially exclusively to said contiguous places and means responsive to the wave-length of the station nearest each automobile associated with said receivers for adjusting the tuning thereof to the frequency of said transmitting arrangements.

2,259,317
PIEZOELECTRIC CRYSTAL APPARATUS
Warren P. Mason, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 11, 1940, Serial No. 344,892
6 Claims. (Cl. 171—327)



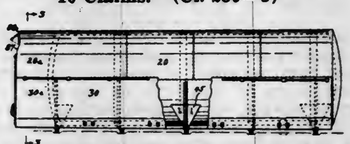
1. A piezoelectric quartz crystal element adapted to vibrate at a flexure mode frequency of low temperature coefficient dependent mainly upon the length and width dimensions of its major surfaces, said length dimension being substantially in the plane of a Y axis and the Z axis and inclined at an angle of substantially +5 degrees with respect to said Y axis, said major surfaces being substantially parallel to said YZ plane, the ratio of said width dimension of said major surfaces with respect to said length dimension thereof being one of the values within the range from substantially 0.05 to 0.6, said length dimension expressed in centimeters being a value within the range from substantially 50 to 220 divided by said frequency expressed in kilocycles per second, said length dimension, said frequency, and said dimensional ratio being related values as given by curve A of Fig. 6.

2,259,318
ULTRA HIGH FREQUENCY FOR THERAPEUTIC PURPOSES
Ilia E. Mouromtseff, Montclair, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 24, 1937, Serial No. 138,804
4 Claims. (Cl. 128—422)



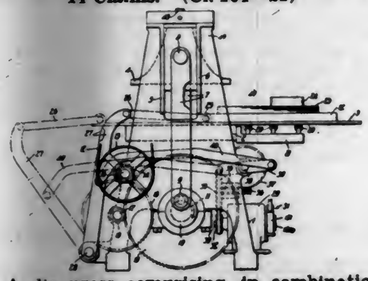
1. Apparatus for treating a patient with high frequency which comprises a non-metallic rest for the patient, a radiating antenna above said rest, a reflector above said radiating antenna, and a metal screen enclosing said rest, antenna and reflector.

2,259,319
DEMOUNTABLE TANK BODY
Ragnar A. Norbom, New York, N. Y., assignor to National Fitch Corporation, New York, N. Y., a corporation of Delaware
Application September 18, 1940, Serial No. 357,271
10 Claims. (Cl. 280—5)



1. In a tank body, the combination of a double shell cylindrical tank, transverse bolsters beneath the tank welded to the outer shell, side skirts at the ends of the bolsters welded to said bolsters and to the outer shell of the tank, the top half of the outer shell of the tank extending beyond the head of the tank to form the roof and a portion of the sides of a vestibule at the end of the tank, the two side skirts being extended beyond such head of the tank to form lower portions of the sides of the vestibule, the endmost bolster at the end of the tank forming the inner wall of the vestibule, an upright closing plate forming the outer wall of the vestibule and having a doorway through it with a door, and a floor extending across the bottom of the vestibule supported by inwardly flanged edges of the side skirts.

2,259,320
DIE PRESS
Abraham Novick and Daniel Novick, Flushing, N. Y., assignors to F. L. Smithe Machine Co., Inc., New York, N. Y., a corporation of New York
Application October 18, 1939, Serial No. 299,929
14 Claims. (Cl. 164—21)



1. A die press comprising, in combination, a plunger head, continuously operable rotary means for continuously reciprocating the plunger head, a sheet supporting table cooperative with said head, means for mechanically effecting a single complete operating cycle of the table which consists of moving the table from a position clear of the plunger head to a position beneath the plunger head and back to original position, said means being normally maintained inoperative, a manually operable control member for rendering the table moving means operative, and means for causing the operation of the table moving means to be controlled in its timing by the plunger head operating means.

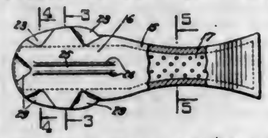
2,259,321
LIGHTING DEVICE
Arno Pahl, Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 22, 1939, Serial No. 280,476
In Germany June 24, 1938
6 Claims. (Cl. 240—25)



1. A reflector for producing band-shaped broad radiation with one or more light sources comprising, two oppositely disposed curved reflecting surfaces each of which is in the form of two adjacent surfaces of rotation having focal points on the axis of symmetry of the reflector and which are so bent with reference to each other that two light sources positioned on the axis of symmetry of the reflector on opposite sides of the zero point thereof at a distance equal to the distance between the said two focal points of the adjacent surfaces will produce substantially the same light distribution as a single light source located at the zero point of the reflector.

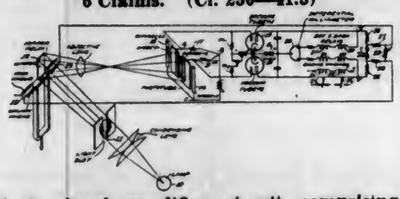
2,259,322
SHOE BOTTOM
Frederic A. Parkhurst, Suffield, Conn., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
Application March 23, 1939, Serial No. 263,620
10 Claims. (Cl. 36—24.5)

1. In a boot or shoe, a shank composed of molded plastic material and having a stiffening member embedded therein and a heel seat portion, and a heel likewise composed of molded plastic material and secured to said heel seat por-



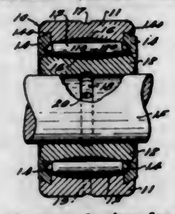
tion, said heel seat portion and heel having a plurality of interengaging recesses and projections united to one another and constituting the principal means of attachment of said heel to said seat portion.

2,259,323
PHOTOELECTRIC VACUUM TUBE AMPLIFIER
William C. Peterman, Brooklyn, N. Y., assignor to All America Cables, Incorporated, New York, N. Y., a corporation of New York
Application June 25, 1940, Serial No. 342,319
6 Claims. (Cl. 250—41.5)



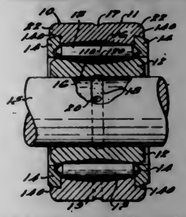
1. A signal amplifier circuit comprising a source of light, signal receiving means responsive to receipt of signals for displacing light from said source angularly according to the received signals, light responsive means in the path of said source to produce a resultant voltage of a magnitude dependent upon the displacement of said light, amplifying means responsive to said resultant voltage, signal responsive means in the output of said amplifying means, and separately connected means for feeding back a portion of said amplifier output to said signal receiving means in opposition whereby said displacement of said light and the consequent output from said amplifier will be of lower amplitude and substantially free of distortions developed in said circuit.

2,259,324
METHOD OF MANUFACTURING ROLLER BEARINGS
Thomas L. Robinson, Grosse Pointe, Mich.
Application December 23, 1939, Serial No. 310,684
4 Claims. (Cl. 29—148.4)



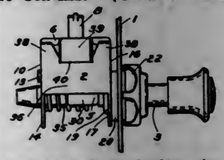
1. The method of producing free running roller bearings of the class described comprising the steps of hardening the raceways of the race members thereof harder at the center of the said raceways than at the sides thereof, hardening the rollers to at least the hardness of the center of the raceways, assembling the bearing, and then placing the said bearing in service wherein the raceways thereof will convex through plastic deformation and free the bearing when binding occurs through slight inaccuracy of manufacture or operating under a condition of misalignment of the raceways thereof.

2,259,325
ROLLER BEARING
Thomas L. Robinson, Grosse Pointe, Mich.
Original application December 23, 1939, Serial No. 310,684. Divided and this application March 19, 1941, Serial No. 384,049
7 Claims. (Cl. 308—216)



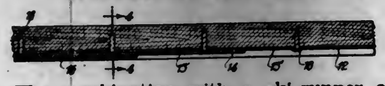
1. A roller bearing of the class described in which the race members are hardened at their raceways harder at the center of the said raceways than at the sides thereof whereby to admit of plastic deformation of said raceways into convex surfaces when the bearing is run under conditions of inaccuracy of manufacture or misalignment of the raceways thereof.

2,259,326
ELECTRIC SWITCH
William Schmid, Bronson, Mich., assignor to H. A. Douglas Mfg. Co., Bronson, Mich., a corporation of Michigan
Application February 3, 1938, Serial No. 188,416
19 Claims. (Cl. 200—163)



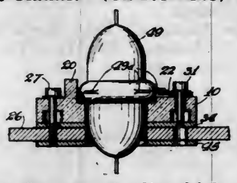
1. An electric switch including in combination, a casing having two open sides, a switchback closing one side of said casing, contact means carried by said switchback, a carrier supporting bridge means arranged in said casing, an actuator interlocked with said carrier, said carrier being accessible through the open side of said casing whereby said carrier may be lifted out of locking engagement with said actuator to permit withdrawal of the latter from said carrier.

2,259,327
SKI RUNNER
William F. Serr, New York, N. Y., assignor to Eric Pusinelli, New York, N. Y.
Application May 4, 1938, Serial No. 205,883
12 Claims. (Cl. 280—11.13)



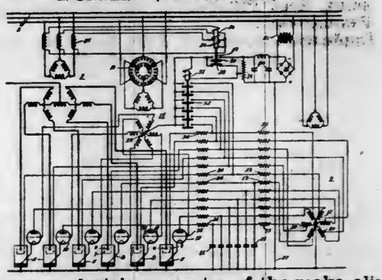
1. The combination with a ski-runner of a laminated metal strip reinforcement having a base strip provided with spaced apart keyhole slots adapted to receive retaining screws set in the margin of said ski-runner.

2,259,328
RADIO STAGE FOUNDATION
Dwight V. Sinninger, Chicago, Ill., assignor to Johnson Laboratories, Inc., Chicago, Ill., a corporation of Illinois
Application February 25, 1939, Serial No. 258,560
5 Claims. (Cl. 173—328)



1. A socket for use at ultra-high frequencies for tubes having radial connector prongs, including in combination a mounting plate and a plurality of clip constructions, each of said clip constructions having a prong-engaging portion for engaging a tube prong by rotary movement of the tube and having also a mounting portion for attaching the clip construction to said mounting plate, each of said prong-engaging portions being spaced from said mounting plate and the connection between each of said prong-engaging portions and the corresponding mounting portion being rigid in the direction of movement of the tube prong into engagement with the prong-engaging portion and flexible in the direction axially of the rotary movement to enable said prong-engaging portions to accommodate irregularities axially in the position of the tube prongs.

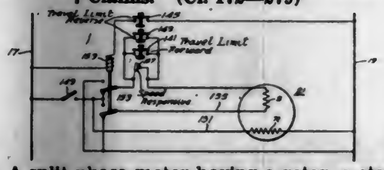
2,259,329
PROTECTIVE SYSTEM FOR VAPOR ELECTRIC DEVICES
Joseph Slepian, Pittsburgh, and Joseph H. Cox, Forest Hills, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 2, 1940, Serial No. 349,657
1 Claim. (Cl. 175—354)



In a vapor electric converter of the make-alive type having a plurality of make-alive type valves, each valve including an anode, a cathode, an anode shield and a make-alive electrode in contact with the cathode, a control system comprising a means for supplying control impulses, grid controlled firing tubes for applying said impulses to the make-alive electrodes, a firing transformer for controlling the firing tubes, a source of control potential connected to the anode shields, a source of biasing potential, a fault responsive

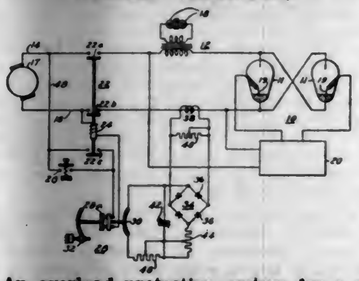
relay for applying said biasing potential to said firing transformer for blocking said firing tubes, an auxiliary relay energized from said source of biasing potential through said fault responsive relay for applying said biasing potential to said anode shields.

2,259,330
SPLIT-PHASE MOTOR CONTROL
Frederick D. Snyder, East Milton, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 17, 1938, Serial No. 225,407
7 Claims. (Cl. 172—279)



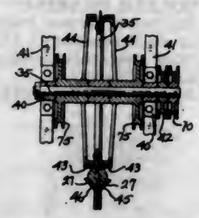
1. A split phase motor having a rotor, a starting winding and running winding, means and connections for supplying power to said running winding and to said starting winding including a reversing switch means for reversing the phase of the current through said starting winding and a switch means responsive to the speed of the rotor for interrupting the current through the said starting winding when the speed of the rotor is above a predetermined value, and means operable for operating said reversing switch means and for re-establishing the supply of power to the said starting winding while the speed is above said value to establish a torque in said motor opposite in direction to the direction of rotation of the rotor, and means operative after the rotor speed is beyond said value and including the speed responsive switch means for disconnecting both windings from the source of power if the rotor should become stalled.

2,259,331
PROTECTIVE SYSTEM FOR GASEOUS DISCHARGE DEVICES
Edwin H. Vedder, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 25, 1938, Serial No. 226,707
6 Claims. (Cl. 250—27)



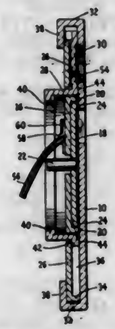
2. An overload protective system for a vapor discharge switch device connected for intermittently energizing a loan circuit with impulses of current from an alternating-current source comprising, thermally operable means for effecting disconnection of the vapor switch device from the source and circuit means for producing relatively flat-topped current impulses substantially proportional to the average value of the load current impulses for controlling operation of the thermally operable means.

2,259,332
FRUIT SPLITTER
William H. Winkelman, Hemet, Calif.
Application June 5, 1940, Serial No. 338,893
6 Claims. (Cl. 146—28)



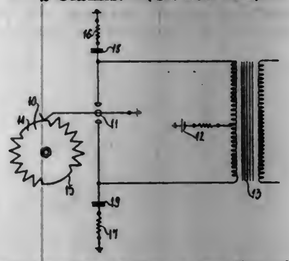
1. Means for cutting fruit comprising a cutting wheel having a thin peripheral edge, a pair of fruit turning wheels of lesser diameter than said cutting wheel, one on each side of said cutting wheel, said cutting wheel rotating independently of said turning wheels, said wheels being coaxially mounted, and means for forcing a fruit simultaneously against all three wheels.

2,259,333
CALENDAR
Park Wolaver, Chicago, Ill.
Application February 27, 1939, Serial No. 258,628
18 Claims. (Cl. 40—115)



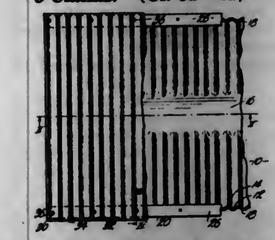
17. In a calendar: a support; two day-indicia members including an annulus and a segment rotatably mounted on said support; a lost motion connection between said members permitting relative motion corresponding to not less than three days; adjustment means for moving said members; one of said members carrying indicia beginning with 1 and increasing in one first direction; the other of said members carrying indicia in alignment with said first mentioned indicia and including the number 31 and decreasing in the opposite direction; said members together carrying all indicia between number 1 and number 31; said lost motion connection permitting said members to have relative movement in one direction at least until the number 1 on one member is covering number 29 on the other member, and in the opposite direction at least until the number 1 on one member is adjacent number 31 on the other member.

2,259,334
IMPULSE SENDING ARRANGEMENT FOR USE IN TELEPHONE OR LIKE SYSTEMS
Denis Wright, Liverpool, England, assignor to Associated Telephone & Telegraph Company, Chicago, Ill., a corporation of Delaware
Application July 28, 1938, Serial No. 221,667
In Great Britain August 25, 1937
2 Claims. (Cl. 179—90)



1. In an impulse sender, a sending circuit, impulse springs, a rotating cam controlling the operation of said springs, said cam having part but not all of its periphery serrated, and means controlled by said springs for transmitting over said circuit during each revolution of the cam an impulse comprising a plurality of complete cycles of alternating current and corresponding in length to the length of the serrated part of said cam.

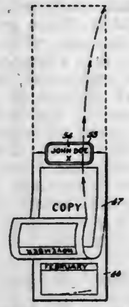
2,259,335
SUBDRAIN PIPE
Firman L. Carswell, Johnson County, Kans., and Otto W. Schmidt, Kansas City, Mo.
Application July 31, 1939, Serial No. 287,504
5 Claims. (Cl. 61—11)



1. A sub-drain pipe comprising a substantially semi-circular channel, circumferentially corrugated and having its longitudinal marginal end surfaces positioned in planes disposed obliquely to a plane determined by the inner edges of the marginal end surfaces; an angle member secured along each of said marginal edges to form a series of inlet openings between the angle member and the inner channel wall with one leg of the angle member extending outwardly thereabove; and a transversely corrugated cover plate secured adjacent its edges to said angle members respectively, to form a series of inlet openings between the cover plate and the leg.

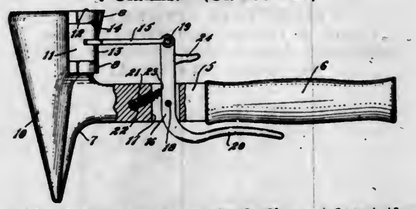
2,259,336
CALENDAR AND LIKE DISPLAY DEVICE
Rawson P. Dickerson, East Orange, N. J.
Application February 8, 1939, Serial No. 255,237
1 Claim. (Cl. 40—119)

A multipage calendar, consisting of a plurality of sheets printed on both faces and folded transversely, all of said sheets but one having contiguous apertures in the respective foldable portions at opposite sides of a fold line, said one sheet having but a single aperture and a fixed tongue element of the contour of said single aperture having printed matter thereon and perforated for suspending the calendar, said tongue element being adapted to pass through



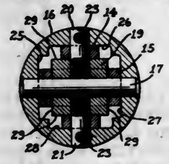
the single aperture and the said apertures as a corresponding foldable portion is folded upon another for display of printed matter upon both faces, the printed matter on said tongue element being exposed through said apertures, and means assembling the plurality of sheets along the line of fold.

2,259,337
ICE CREAM SCOOP
John E. O. Feller, Canton, Ohio
Application April 9, 1940, Serial No. 328,715
7 Claims. (Cl. 107—48)



1. An ice cream scoop including at least three conical segments each forming substantially one-third of a complete cone interfitting to form a hollow cone, a handle on one of said segments, means pivotally connecting each side of said one segment to one side of the other segments so that said other sections may swing outward upon said pivotal means, and means on said handle operatively connected to said other segments for opening and closing said cone.

2,259,338
UNIVERSAL JOINT
Walter N. Frank, Miamisburg, Ohio, assignor to The Apex Machine and Tool Company, Dayton, Ohio, a corporation of Ohio
Application November 6, 1939, Serial No. 303,076
4 Claims. (Cl. 64—18)



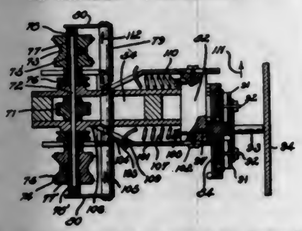
1. A universal joint comprising a pair of yokes each having a pair of spaced projecting arms,

pivot pins extending through the arms of the yokes, and an integral annular drive member having passages in which the outer ends of the pins are contained, said drive member having a substantially square opening of constant cross sectional form in an axial direction to provide four internal plane surfaces each considerably wider than the width of the portions of the yoke arms which are movable within the confines of the drive member and engaging the outer sides of the arms of the yokes with an operating clearance that is small enough as compared to the pivot pin clearance in the yokes to insure the transmission of torque through the sides of the yoke arms directly to the drive member, each yoke arm contacting the drive member only on a plane outer side of the arm, the inner side of each arm of a yoke, when the yoke axes are aligned, lying in a plane which is spaced a substantial distance outwardly of the two adjacent arms of the other yoke and affording a wide angle of misalignment of the yoke axes without arm interference.

2,259,339
RUBBER HYDROCHLORIDE COMPOSITION
Samuel D. Gehman, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 28, 1939, Serial No. 306,509
1 Claim. (Cl. 260—727)

A thin film or foil composed essentially of rubber hydrochloride and balata hydrochloride.

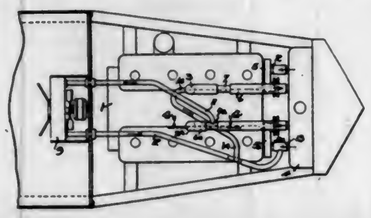
2,259,340
PROJECTION APPARATUS
Joseph A. Giroux, Southbridge, Mass.
Application June 6, 1939, Serial No. 277,730
10 Claims. (Cl. 88—17)



9. In a device of the character described for supporting a plurality of films the combination of a source of illumination, a projection system aligned with said source of illumination, single plate-like means having a plurality of guideways therein for respectively receiving said films, said plate having a plurality of projection openings therein aligned with the respective guideways for said films, common drive means selectively engageable with the respective films for intermittently advancing said films and means for adjusting said plate-like means in a substantially straight line sidewise direction for selectively aligning the films with the projection system and for simultaneously engaging said aligned films with said common drive means.

2,259,341
WATER CIRCULATING SYSTEM FOR AUTOMOBILE HEATERS
Edmund E. Hans, Detroit, Mich.
Application May 25, 1940, Serial No. 337,258
11 Claims. (Cl. 237—12.3)

10. An arrangement of the character described comprising a motor, having two separate sets of water cooling passages therein each having an inlet and an outlet, a radiator, means connecting each of said inlets with the radiator, a pump in each connecting means, means connecting each of said outlets with the radiator, a thermostatic valve in each of the latter connecting means, said valves being set to open at different temperatures, a booster pipe connected to one of said latter connecting means between the valve set to open at a lower temperature and the outlet



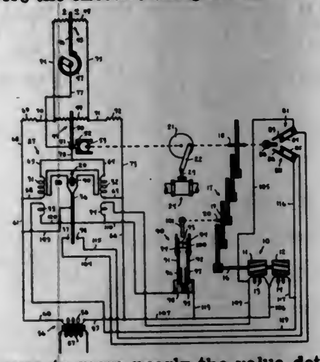
connected thereto, said booster pipe being also connected to the pump for the other set of passages, a heater, a feed line connected to the heater and to the connecting means between the thermostatic valve set to operate at a higher temperature and the outlet from the other set of passages, and a return line from the heater connected to the last named pump, said thermostatic valves being responsive to the temperature of water flowing through their respective connecting means from the outlets.

2,259,342
METHOD OF ADDING LEAD TO STEEL
Oscar E. Harder, Columbus, Ohio, assignor to Inland Steel Company, Indiana Harbor, Ind., a corporation of Delaware
No Drawing. Application April 17, 1940, Serial No. 330,114
3 Claims. (Cl. 75—129)

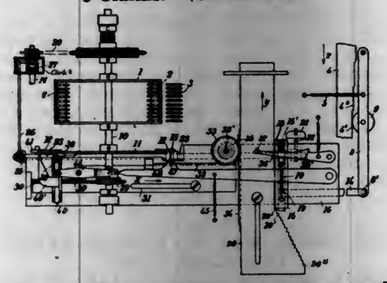
1. A method of introducing lead into steel so that it will be retained therein in a dispersed condition which comprises introducing into a molten bath of the steel, a material in finely divided particle form, the particles of which consist of lead and at least one element which will separate from the lead upon addition to the molten steel so as to free the lead from the particles to facilitate dispersion thereof.

2,259,343
MOTOR CONTROL SYSTEM
John L. Harris, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application March 29, 1940, Serial No. 326,688
14 Claims. (Cl. 172—239)

1. In a motor control system, a motor, an electrically operated relay controlling the operation of the motor, said relay having winding means and armature means, said armature means being movable into and out of a motor operating position in accordance with the energization of said winding means, control means for varying the energization of said winding means, means operative upon said armature means being moved to said motor operating position to change the effective energization of said winding means in a direction to cause said armature means to assume more firmly said motor operating position, and means operated by said motor upon continuous unidirectional movement thereof periodically to restore the effective energization of said winding means to more nearly the value determined by said control means.



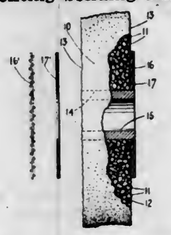
2,259,344
MULTIPLE TOTALIZER STRUCTURE
Wilhelm Kiel, Glashutte, Germany
Application March 30, 1937, Serial No. 133,900
In Germany March 31, 1936
5 Claims. (Cl. 235—60)



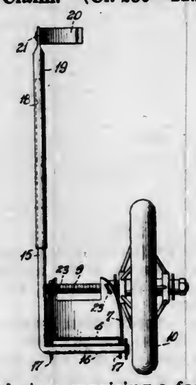
1. In a multiple totalizer calculating machine of the type in which the totalizers are distributed on the circumference of a drum, a continuously operating power shaft, a drum and drum shaft, disengageable clutch means operably connecting said shafts, a slidable step rail to be shifted longitudinally on said machine, a step control bar slidable on said machine, driving means operably connecting said drum shaft and said control bar, a ratchet disc operably connected with said drum shaft, circumferentially spaced stops on said disc, a pawl for engaging said stops, control means for actuating said pawl to disengage the same and for simultaneously engaging said clutch, and means actuated by said step rail and controlled by said step bar for controlling said control means to effect movement of said drum shaft proportionate to movement of said step rail.

2,259,345
ABRASIVE WHEEL AND REINFORCING MOUNTING
Joseph N. Kuzmick and Paul L. Kuzmick, Clifton, N. J., assignors to Raybestos-Manhattan, Inc., Passaic, N. J., a corporation of New Jersey
Application September 9, 1940, Serial No. 355,992
8 Claims. (Cl. 51—206)

1. An abrasive wheel and reinforcing mounting comprising, an abrasive wheel body having an abrasive mounting face, a woven wire cloth member positioned immediately contiguous to and in engagement with the abrasive mounting face of the wheel, the said abrasive wheel face and the contiguous woven wire cloth member providing a multitude of engaging points and intermeshing areas, and a cementing medium bonding the woven wire cloth member and the abrasive wheel face, the cementing bonding material being embedded in the interstices provided by both the abrasive face of the wheel and the wire mesh of the woven wire cloth member and filling the spaces therebetween, the cementing bonding material also covering the body of the woven wire cloth member and forming a bond layer of a thickness substantially equal to that of the woven wire cloth member.



2,259,346
COASTER SKATE
Elmer C. Long, Grosse Pointe Park, Mich.
Application April 23, 1938, Serial No. 203,799
1 Claim. (Cl. 280—11.23)

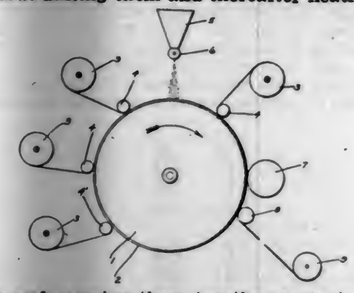


A coaster skate comprising a foot rest having a heel guard at one end and an inverted toe engaging portion adjacent its opposite end, a pair of ears outwardly bent from said heel guard, an axle supported in said ears, an axle supported in the depending parts of said inverted toe engaging portion, and a roller element mounted on each axle.

2,259,347
LAMINATING FILM
Gerald D. Mallory, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application May 10, 1940, Serial No. 334,373
2 Claims. (Cl. 154—2)

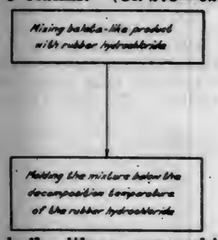
1. The process of uniting a plurality of plies of heat-sealable and thermo-stretchable material which comprises continuously and successively spreading the plies free from wrinkles on a large drum and pressing the air out between the

successive plies as they are lead on the drum without uniting them and thereafter heating the



plies and pressing them together so as to unite them while they are still in a flat condition free from entrapped air.

2,259,348
GOLF BALL
James A. Merrill, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application February 26, 1937, Serial No. 127,980
5 Claims. (Cl. 273—62)



5. A golf ball with a cover which comprises a condensation derivative of rubber and a substantial amount of rubber hydrochloride.

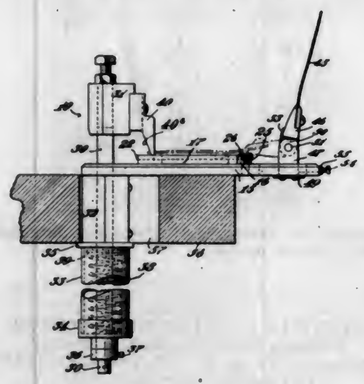
2,259,349
COMPOSITION FOR COVERING GOLF BALLS
James A. Merrill, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 31, 1937, Serial No. 161,799
12 Claims. (Cl. 273—62)

1. A golf ball having a cover composed of a material comprising an external phase consisting of a material selected from the group consisting of balata, gutta percha and condensation derivatives of rubber and, distributed therethrough, an internal phase consisting of discrete particles of a vulcanized soft rubber powder, substantially all of which powder will pass through a 50-mesh screen.

2,259,350
LATEX AND SHELLAC COATING
James A. Merrill, Barberton, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 30, 1940, Serial No. 327,049
7 Claims. (Cl. 91—68)

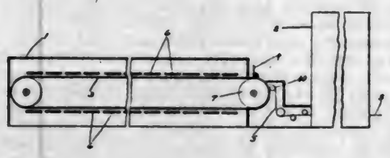
2. Steel with an adjacent coating comprising a mixture of rubber from latex and the sodium salt of shellac and an outside coating of rubber from latex which is free from shellac.

2,259,351
TRIMMING MACHINE
Edward H. Oberholser and William Ward, Troy, and Thomas Bramfitt, Watervliet, N. Y., assignors to Cluett, Peabody & Co., Inc., Troy, N. Y., a corporation of New York
Application February 15, 1940, Serial No. 319,100
6 Claims. (Cl. 164—47)



1. A trimming machine comprising a pair of blades, one blade having a convex cutting edge, the other blade having a concave cutting edge, means for yieldably holding the cutting edges in contact, means for moving one of said blades relative to the other, and a form upon which the article is supported, with the portion to be trimmed between the cutting edges of the blades, said form being pivotally mounted adjacent the blades.

2,259,352
PROCESS OF MAKING RUBBER HYDROCHLORIDE FILMS
Harold J. Osterhof, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application December 23, 1938, Serial No. 247,356
10 Claims. (Cl. 18—57)



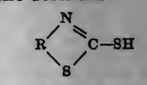
1. That step in the method of producing clear rubber hydrochloride film by evaporation of low boiling solvent from film of a rubber hydrochloride cement which comprises supplying sufficient heat to the exposed surface of a freshly cast film of the cement during the rapid evaporation of solvent therefrom and while the film of cement is supported on a film-forming surface, to prevent premature solidification of rubber hydrochloride in the exposed surface of the film which solidification early in the evaporation of solvent therefrom would result in the formation of irregularities in said surface on completion of the evaporation of solvent from the film.

2,259,353
ACCELERATOR
Winfield Scott, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 17, 1936, Serial No. 106,199
11 Claims. (Cl. 260—298)

1. The benzoselenazyl 2-selenide compounds.

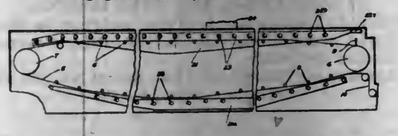
2,259,354
VULCANIZATION OF RUBBER
Winfield Scott, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 20, 1937, Serial No. 160,138
12 Claims. (Cl. 260—788)

1. The method of treating rubber which comprises vulcanizing the same in the presence of a compound obtained by reacting formaldehyde, a salt of a primary aromatic amine, and a compound having the formula



in which R is an arylene radical.

2,259,355
PROCESS OF MAKING RUBBER HYDROCHLORIDE FILMS
Lorin B. Sebrell, Silver Lake, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application December 23, 1938, Serial No. 247,355
3 Claims. (Cl. 18—57)

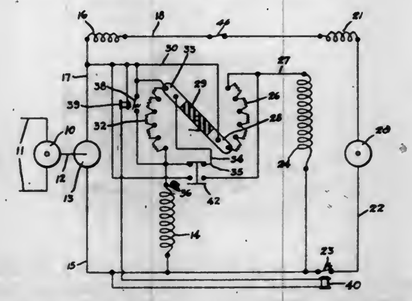


1. The method of forming clear rubber hydrochloride film which comprises casting a cement of a rubber hydrochloride in a low-boiling solvent on a surface, blowing heated air against the exposed surface of the film immediately after the film is cast, at such a rate and at such a temperature as to effect evaporation of solvent and maintain the surface of the film of the rubber hydrochloride cement at such an elevated temperature as to prevent premature solidification of rubber hydrochloride at the exposed surface of the film which premature solidification would produce irregularities in the surface of the film on completing the evaporation of solvent therefrom.

2,259,356
PROCESS FOR MAKING MERCAPTOBENZOTHIAZOLES
Claude H. Smith, Tallmadge, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 23, 1940, Serial No. 347,001
5 Claims. (Cl. 260—306)

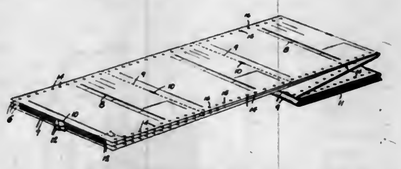
1. A method of making 2-mercaptoarylenethiazoles which comprises heating a di(arylenethiazyl) disulfide in a closed vessel at a temperature of about 150 to 300° C., in the presence of carbon bisulfide, sulfur and an amine having a free ortho position.

2,259,357
MOTOR CONTROL SYSTEM
Glenn A. Spohn, Mount Healthy, Ohio
Application April 25, 1940, Serial No. 331,619
11 Claims. (Cl. 172—239)



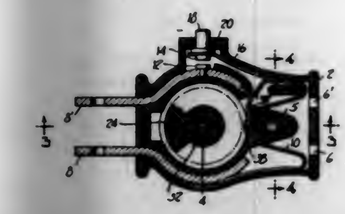
1. A variable speed drive device comprising power means, a self-excited electric generator operated by said power means and having a shunt field winding, means for varying the output voltage of the generator, an electric motor disposed to be connected across the generator and having a field winding, variable means connected to the field winding of the motor operable to increase the resistance of the field winding circuit of the motor in accordance with the voltage increase in the generator output, switching means in the circuit for connecting the motor to the generator normally biased to open circuit position, a second switching means biased to closed circuit position for shunting the means for varying the output voltage of the generator, and means responsive to the rise in generator voltage during starting of the generator for operating said first and said second switching means.

2,259,358
MANIFOLDING STRIP
Robert P. Templeton, Niagara Falls, N. Y., assignor to American Sales Book Company, Inc., Niagara Falls, N. Y., a corporation of Delaware
Application December 5, 1939, Serial No. 307,653
14 Claims. (Cl. 282—21)



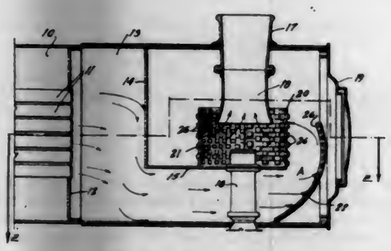
14. A manifolding assembly including a plurality of superposed manifolding strips, each having a longitudinal series of pin receiving formations longitudinally spaced for receiving pins of pin feeding mechanism for feeding the strip, each of said formations of the superposed strips being respectively approximately in depthwise alignment, each of said formations including a plurality of intersecting line formations forming strip aligning and attaching deflectable tongues having pointed parts adjacent to the point of intersection of said line formations, said pointed parts of the tongues being respectively positioned for deflection into adjacent said receiving formations of an adjacent strip and being of sufficient longitudinal extent for attaching and aligning the superposed strips.

2,259,359
POWER SAVER
Milton E. Thompson, Ridgway, Pa.
Application March 6, 1939, Serial No. 260,115
2 Claims. (Cl. 171—97)



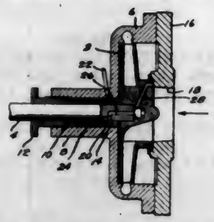
1. A power saver for insertion into a standard outlet socket and for reception of standard prong terminals comprising in combination a casing of insulating material made of two sections which together enclose a substantially annular chamber, a spirally wound condenser within said chamber having a pair of terminals, a pair of prong terminals extending from said casing for insertion into an outlet socket, a pair of spring outlet terminals within said casing, a pair of contacts within the casing, one of said prongs being connected with one of said outlet terminals, the other of said prongs being electrically connected to one of said contacts and to one of said condenser terminals, the other of said spring outlet terminals being connected to the other one of said contacts and to the other one of said condenser terminals, said contacts being normally held out of engagement by that one of said spring outlet terminals connected thereto, and means extending through said casing for closing said contacts to shunt said condenser.

2,259,360
CINDER BREAKER FOR LOCOMOTIVE BOILERS
Hubert B. Troxel, Denver, Colo.
Application August 12, 1940, Serial No. 352,323
12 Claims. (Cl. 230—97)



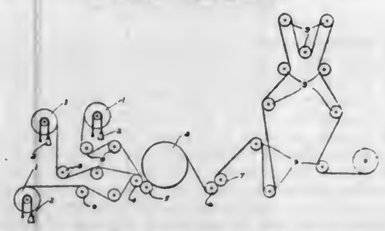
1. In combination with a locomotive smoke box and its associated table plate, exhaust pipe, and smoke stack, a pair of vertically straight, horizontally curved plates secured to said table plate on opposite sides of said pipe, each of said plates having its concave face facing said pipe, said plates being positioned in offset relation to each other and each extending from a position adjacent one side of said pipe to a position diametrically opposite, spaced from said pipe and adjacent the opposite side of said smokebox.

2,259,361
FEED WATER BY-PASS SEAL FOR BOILER CIRCULATING PUMPS
Heinrich Vorkauf, Berlin, Germany, assignor to La Mont Corporation, New York, N. Y., a corporation of New York
Application October 8, 1938, Serial No. 233,950
In Germany October 9, 1937
1 Claim. (Cl. 103—111)



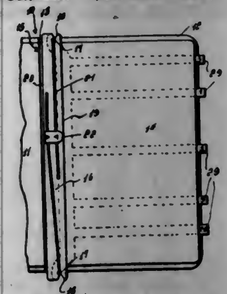
In a forced circulation boiler, a rotary pump for circulating the boiler water, said pump comprising a housing, a rotor, a rotor shaft and a stuffing box through which the shaft passes and in which it has its bearings, and means, including a conduit from a source of feed water supply, for introducing feed water into the suction side of said pump, said conduit including an annular passage in the pump housing, adjacent to the rotor shaft and between the rotor and the stuffing box, and a passage through said shaft and through a part of said rotor, arranged to discharge the cold feed water substantially at the entrance edge of the rotor blade.

2,259,362
LAMINATING AND STRETCHING
Foster J. Young, Kent, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application March 14, 1940, Serial No. 323,858
1 Claim. (Cl. 18—59)



In the process of stretching and laminating a plurality of plies of rubber hydrochloride film by passing them over a hot roll, where they are heated and coalesce, at a slower speed than the speed at which they are drawn off the roll and in which the rate at which the plies are fed to the hot roll is controlled by passing the plies between the bight of a first and second pinch roll with the second pinch roll separated from the hot roll only by film fed from the second pinch roll to the hot roll and with the surface speed of the pinch rolls and the hot roll the same, the improvement which comprises bringing the several plies in a flat condition to the first pinch roll but at different places on the circumference of the first pinch roll and passing the plies together between the bight of the pinch rolls and maintaining them in surface contact with the second pinch roll from the bight between the pinch rolls to the surface of the hot roll.

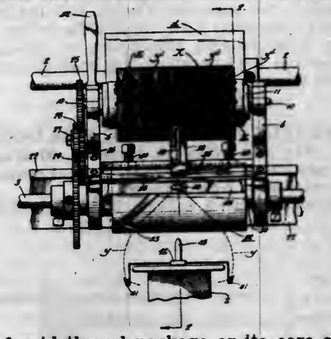
2,259,363
BOOK PROTECTOR MARKER HOLDER
Carl E. Baitinger, Oakland, Calif.
Application January 30, 1941, Serial No. 376,697
4 Claims. (Cl. 116—119)



1. A book marker comprising a plurality of elongated strips of Celluloid or the like including a strip disposed between the first page and the front cover of a book, a strip disposed between the last page and the rear cover of the book, and a strip disposed between the pages at the center of the book, said strips being arranged adjacent the binding of the book and extending lengthwise thereof and being of a length slightly greater than the length of the book pages, said strips being provided with openings adjacent their ends, said openings being disposed adjacent to and beyond the ends of the pages, said strips having notches therein communicating with said openings, the openings of each of said strips being disposed in longitudinal alinement and adjacent one longitudinal edge of the strip, a strand of flexible, elastic material disposed around said strips and the pages of the book and seated in the openings of the strips, said strips forming a support for holding the elastic strand, when under tension, out of engagement with the pages of the book, a plurality of strips of Celluloid adapted to be disposed between the pages and having notched ends for engaging portions of the elastic strand for detachably anchoring said last mentioned strips between the pages, said notched ends being offset relatively to the intermediate portions of said last mentioned strips so that said intermediate portions will be spaced outwardly from the book binding, and said last mentioned strips having transparent tab portions projecting laterally therefrom and extending beyond the free edges of the pages, and the openings of the first mentioned strips and the notched ends of the last mentioned strips being so arranged with respect to the longitudinal edges of their respective strips in a manner to hold the last mentioned strips away from the binding of the book.

2,259,364
WINDING DEVICE
Robert J. Bartholomew, Philadelphia, Pa., assignor to Fletcher Works, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application February 21, 1940, Serial No. 320,206
6 Claims. (Cl. 242—26)

1. A thread winding device comprising a rockable frame, a package support rotatably mounted in said frame, a thread guide reciprocably mounted in said frame for movement lengthwise of said support in a plane parallel to the peripheral surface of an incomplete thread package carried by said support, an actuating element rotatably mounted in said frame for reciprocating said guide, driving mechanism operatively connecting said support with said actuating element whereby rotation of said support effects reciprocation of said guide, a rotary drum, and toggle means for rocking said frame in one direction to effect contact between said peripheral



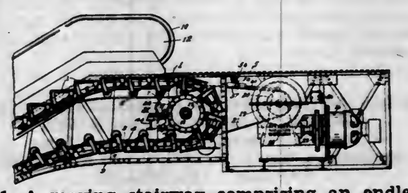
face of said thread package or its core and the peripheral face of said drum for effecting rotation of said support from said drum through said contact solely and for rocking said frame in the opposite direction to break said contact when said package attains a predetermined diameter.

2,259,365
WHEEL JACK
Robert D. De Forest, Phalanx Station, Ohio, assignor of one-half to Charles E. Anderson, Warren, Ohio
Application October 29, 1940, Serial No. 363,370
1 Claim. (Cl. 254—2)



In a jack of the character described, a rectangular open-work frame, outwardly extending ears at the ends of the side members of the frame, caster wheels swivelled to the ears and extending below the lower edge of the frame, a platform supported for vertical movement in the frame, means for raising and lowering the platform and said platform having a ramp forming part sloping downwardly and outwardly from one side edge thereof, said ramp forming part being shorter than the length of the platform and extending between a pair of the ears.

2,259,366
ELECTRIC STAIRWAY
James Dunlop, Ridgewood, N. J., assignor to Westinghouse Electric Elevator Company, Jersey City, N. J., a corporation of Illinois
Application December 7, 1940, Serial No. 369,039
7 Claims. (Cl. 198—16)



1. A moving stairway comprising an endless

series of steps, a pair of sprocket wheels, a pair of gear chains disposed over the sprocket wheels for operating the steps, a motor, a flexible power transmitting member operable by the motor to rotate the sprocket wheels, a mechanical brake attached to the sprocket wheels, and mechanical members associated with the flexible power transmitting member and responsive to breakage of that member for operating the brake to stop the sprocket wheels.

2,259,367

APPARATUS FOR COOLING PIPE INSIDES

Paul C. Ely and John M. Hopkins, McKeesport, Pa., assignors to National Tube Company, a corporation of New Jersey

Application March 8, 1939, Serial No. 260,666
2 Claims. (Cl. 113—98)



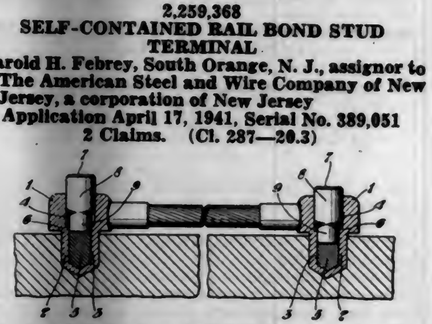
1. Apparatus for cooling the inside of a pipe, comprising spaced disks having outside contours fitting the inside of the pipe, a liquid-absorbing mass of deformable material between said disks, a handle for inserting said disks and mass into the inside of the pipe, and means operable from the manipulating end of said handle for forcing said disks together to cause deformation of said mass therebetween.

2,259,368

SELF-CONTAINED RAIL BOND STUD TERMINAL

Harold H. Febrey, South Orange, N. J., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey

Application April 17, 1941, Serial No. 389,051
2 Claims. (Cl. 287—20.3)



1. A rail bond terminal having a head and a stud with a hole opening from the side of the head opposite the stud and extending through the head and into the stud, the hole terminating inside the stud and the portion of the hole within the stud having a smaller diameter than a portion of the hole within the head including the opening to the hole, a malleable insert positioned in the first named portion of the hole with an end extending toward the second named portion and terminating short of the junction between the two named portions, and a tool retained in the hole with an end exposed beyond said side of the head and having a portion fitting the second named hole portion and an end portion bearing on the insert and fitting the first named hole portion.

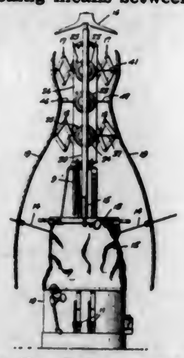
2,259,369

QUICK-OPERATING DIAL ADJUSTMENT FOR GARMENT SHAPING MACHINES

John R. Fitzgerald, Harlingen, Tex.

Application March 10, 1941, Serial No. 382,623
4 Claims. (Cl. 223—68)

1. In a garment stretching machine having a support, lazy tongs carried by the support, and a flexible garment stretching bar carried by the lazy tongs, the combination of a spring pressed dial calibrated to indicate dress measurements mounted for rectilinear and rotary movement on the support, locking means between the dial and



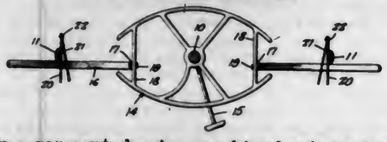
support holding the dial at predetermined settings released by rectilinear movement of the dial to permit setting of the dial, and means connected to the dial and to the stretching bar limiting extending movement of the lazy tongs to control movement of the stretching bar in accordance with a set position of the dial.

2,259,370

SKIRT SPREADER FOR GARMENT SHAPING MACHINES

John R. Fitzgerald, Harlingen, Tex.

Application March 10, 1941, Serial No. 382,624
1 Claim. (Cl. 223—68)



In a garment shaping machine having a frame and flexible side stretching bars, a pair of arms carried by the frame extending toward the stretching bars, and clips having resilient diverging members provided with openings receiving respective arms and frictionally held by the walls of the openings in adjusted positions longitudinally of the arms and engaging the bottom portions of the stretching bars to spread the bars apart and hold taut skirts of various diameters at the bottom.

2,259,371

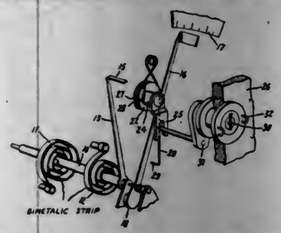
RESET FOR THERMAL DEMAND METERS

Samuel Gabrielson, South Lynnfield, Mass., assignor to General Electric Company, a corporation of New York

Application January 4, 1941, Serial No. 373,131
1 Claim. (Cl. 171—34)

In a maximum demand meter a friction pointer pivoted to swing through a measurement arc between zero and maximum measurement indicating positions, and means for resetting said pointer to a zero position from any other position comprising an eccentric cam having its axis of rotation parallel to the axis of rotation of said pointer, a forked lever formed by a loop of spring wire pivoted on one side of said cam and with arms of the loop resiliently embracing the cam

on opposite peripheries thereof, one of said arms extending beyond the cam and having an offset end portion for engaging with said pointer during a resetting operation, the other arm having an offset end engaging a notch in the periphery of the cam when the latter is in normal idle position, and means for rotating said cam through a



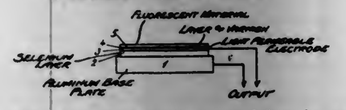
complete revolution from such position to oscillate said forked lever back and forth through an arc such that it will reset said friction pointer to zero position from any other indicating position and return the lever to idle position with the extended arm out of the measurement range of the pointer.

2,259,372

LIGHT SENSITIVE DEVICE

Otmar Geisler, Nuremberg, Germany, assignor to Süddeutsche Apparatefabrik G. m. b. H., Nuremberg, Germany, a company

Application June 16, 1938, Serial No. 214,167
In Germany June 30, 1937
2 Claims. (Cl. 136—89)



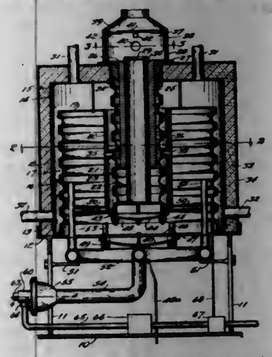
1. A light sensitive unit comprising in superposed sequence a supporting base plate of aluminum which exerts a selective filtering action on X-rays, a photoactive selenium layer, a transparent electrode, and a fluorescent layer, the unit being adapted for photo-voltaic generation when energized by X-rays entering the unit through the fluorescent layer or through the base.

2,259,373

GAS FIRED BOILER

Uel R. Goodale, New Suffolk, N. Y.

Application January 23, 1940, Serial No. 315,214
3 Claims. (Cl. 122—161)



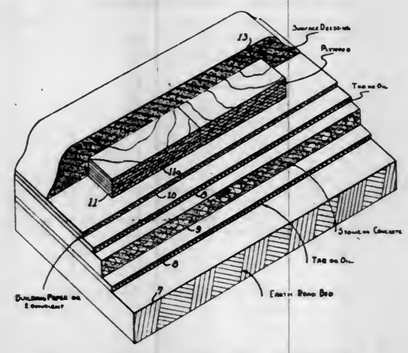
1. A vertical cylindrical boiler including an outer sheet, a fire box sheet concentric to and spaced from the outer sheet, the fire box sheet and outer sheet being connected at their bottom edges to provide an outer annular water leg, a second fire box sheet spaced inwardly from the first fire box sheet and concentric therewith, an annular crown sheet connecting the upper edges of the fire box sheets, a smoke flue sheet spaced within and concentric to the second fire box sheet, said flue sheet and second fire box sheet being connected at their bottom edges to each other to provide an annular inner water leg, tubular members intersecting the upper part of the inner water leg and affording communication between the fire box and smoke flue, flow pipes connecting the lower parts of said water legs, a smoke pipe leading centrally down the smoke flue, means closing the space between the smoke pipe and the smoke flue sheet, a plate closing the lower end of said smoke flue, a fire clay tube surrounding the upper part of the smoke pipe, a closure plate at the lower end of the outer water leg and having a centrally disposed air inlet, and a damper controlling said inlet.

2,259,374

ROAD CONSTRUCTION

Clarence U. Gramelspacher, Jasper, Ind.

Application October 8, 1938, Serial No. 233,992
1 Claim. (Cl. 94—4)



An improved roadway or pavement construction comprising a roadbed surface having a waterproof coating thereover, a hard road foundation surface layer laid thereon, a waterproof coating disposed over said hard foundation surface, a cushion layer of sheet material laid over said waterproof coating, cross-grained plywood slabs disposed on said cushion layer, and a waterproof road surface dressing cover layer applied over the top and side surfaces of said plywood, said plywood being thoroughly sealed against contact with water.

2,259,375

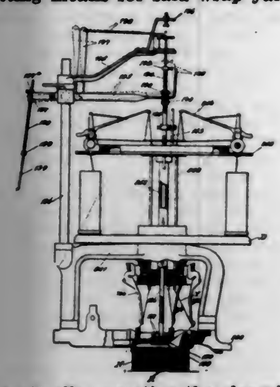
CLAMPING AND CUTTING MECHANISM FOR CIRCULAR KNITTING MACHINES

Ivan W. Grothey and George I. Folsom, Laconia, N. H., assignors to Scott & Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts

Application December 23, 1938, Serial No. 247,520
22 Claims. (Cl. 66—134)

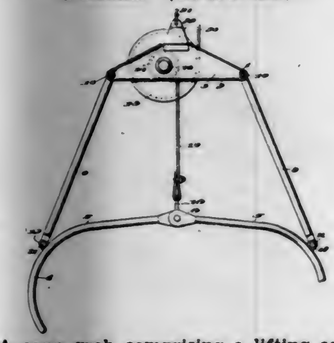
1. In a circular knitting machine, a circle of revolving needles, body and wrap yarn feeding means and means operating said needles to knit

said yarns, in combination with revolving clamping and cutting means for said wrap yarns and



means automatically operating the clamping and cutting means.

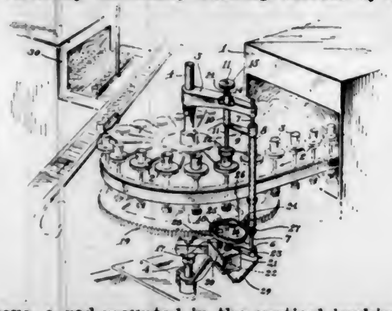
2,259,376
CANE GRAB
Thomas A. Guild, Waipahu, Territory of Hawaii
Application September 23, 1940, Serial No. 358,013
4 Claims. (Cl. 294—112)



1. A cane grab comprising a lifting and supporting frame, a pair of pivotally connected grab arms, links movably connecting said arms to the frame, a pair of rotatable drums mounted on said frame with their axes of rotation fixed with respect thereto, said drums being operatively connected so that rotation of one will induce rotation of the other, means for rotating one of said drums, and flexible means attached to the other of said drums and to said arms adjacent their point of pivotal connection so that upon rotation of said last named drum said flexible means is caused to wind therearound and thus close said arms.

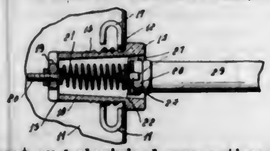
2,259,377
FITTER MECHANISM FOR GLASSWARE
George R. Haub, Zanesville, Ohio, assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
Application September 11, 1939, Serial No. 294,403
4 Claims. (Cl. 49—22)

1. An apparatus of the character described, including a vertical shaft, conveyer cups travelling in a circular path about said shaft as a center, said cups adapted to carry glass articles to be fitted, a laterally extending arm mounted on said shaft, a rod extending downwardly from said arm, cam means for oscillating said rod and arm about said shaft, a sleeve slidably mounted on said rod, a vertically extending bushing carried by said



sleeve, a rod mounted in the vertical bushing, a fitter head carried by said last-mentioned rod, and cam means for raising and lowering said sleeve.

2,259,378
LAMP SOCKET
Herman H. Heidkamper, Kalamazoo, Mich.
Application September 5, 1940, Serial No. 355,509
1 Claim. (Cl. 173—328)

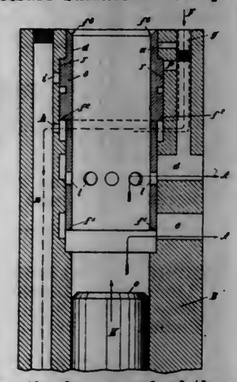


A support and electrical connection for mounting an end of a fluorescent lamp, comprising a fixedly disposed socket of insulating material having an open end and a partially closed end, a stationary contact post mounted in the partially closed end of the socket, an expansion coil spring disposed in the socket and having one of its ends connected to said post and secured thereby to the partially closed end of the socket, a clip, of conducting material, having a flat base and outwardly projecting fingers, said fingers being bent at right angles, intermediate of their ends, the terminal portions of said fingers all projecting in the same direction from the base and being resilient and adapted to yieldably and frictionally engage the metallic end of a fluorescent lamp, a disk disposed on the side of the base opposite to the side thereof from which said terminal portions project, and fastening means connecting said base and disk, and the opposite end of the spring being clamped between the disk and base for detachably connecting the end of the lamp to the socket contact post.

2,259,379
PNEUMATIC PERCUSSION TOOL WITH SLIDE VALVE CONTROL GEAR
August Herzbruch, Sprockhovel, Germany, assignor to Stahlwerk Mark Wengern A. G., Wengern, Ruhr, Germany, a body corporate of Germany
Application August 11, 1939, Serial No. 289,619
In Germany February 4, 1939
1 Claim. (Cl. 121—26)

A pneumatic percussion tool with slide valve control gear, comprising in combination, a cylinder having a pair of longitudinally spaced outlet apertures in a side wall thereof, a slide valve

directly constructed as a differential tubular slide valve and having a lower end face constructed as a pressure surface, an upper end face constructed as a pressure surface, a pressure surface formed on the periphery of the slide valve adjacent the upper end thereof, a piston reciprocably mounted in the cylinder and slide valve, said slide valve having an annular series of outlet apertures therein below the pressure surface on the periphery of the slide valve, said longitudinally spaced outlet apertures in the wall of the cylinder being spaced below the pressure surface on the periphery of



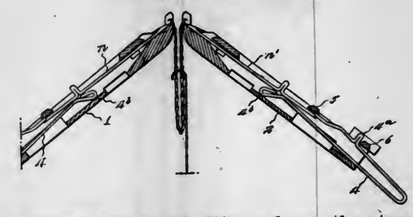
the slide valve, the lower end of the slide valve adapted to form a closure for one of the outlet apertures in the cylinder and the wall of the cylinder between the outlet apertures therein forming a closure for the outlet apertures of the slide valve when the latter is at its limit of downward movement, the outlet apertures in the wall of the cylinder and in said slide valve being so arranged that the compression pressure, necessary for the reversal and resulting in a considerable reduction in the recoil of the percussion tool, is attained when the piston has performed its full stroke in proximity of the cover of the cylinder.

2,259,380
BROAD COKE OVEN
Charles H. Hughes, Glen Ridge, N. J., assignor to Hughes By-Product Coke Oven Corporation New York, N. Y., a corporation of New York
Application March 8, 1940, Serial No. 322,875
19 Claims. (Cl. 202—145)



1. A by-product coke oven of the broad rectangular sole-fired type which comprises a pair of broad, elongated, horizontal, combined coking chambers of brick construction having a common wall therebetween and having a common sole of brick construction thereunder for holding carbonaceous material including pitch, tarry matter and coal thereon; each of said pairs of combined coking chambers being adapted to contain carbonaceous material during coking and being adapted to be sealed against the admission of air and against communication with the other coking chamber; a heating flue system arranged underneath substantially the entire common sole of said pair of combined coking chambers and extending substantially from end to end of the said pair of combined coking chambers; burning means associated with said heating system to provide heat throughout the same; said burning means provided with constantly burning flames during the operation of said combined coking chambers to furnish substantially uniform heating conditions over substantially the entire sole area of said combined coking chambers; means for providing fuel to said burning means; means for providing air to burn said fuel in said burning means; a waste gas stack for removing products of combustion from said burning means associated with said heating system; and a plurality of vertical checkerbrick regenerators associated with said pair of combined coking chambers and communicably connected thereto and to said air means and waste gas stack whereby a broad by-product coke oven is provided having a single heating system and a single regenerative system for said pair of coking chambers and whereby uniform heating conditions over substantially the entire sole area of said pair of combined coking chambers can be attained.

2,259,381
METHOD AND MACHINE FOR KNITTING GLOVES
Louis Imbriani, Brooklyn, N. Y., assignor to Ainslie Knitting Machine Company, Inc., Brooklyn, N. Y., a corporation of New York
Application July 27, 1940, Serial No. 348,055
7 Claims. (Cl. 66—65)

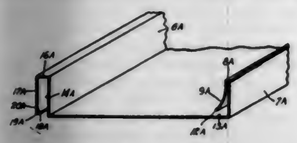


7. In a method of knitting gloves, the steps of knitting tubular fingers in succession on parallel banks of needles beginning at the tip ends thereof, transferring laterally each finger as completed, except the first finger knit, to place a plurality of loops of adjacent fingers upon common needles of each bank and securing the fingers and the hand together in the knitting of the hand.

2,259,382
CORNER SNAP LOCK
James J. Ingels, Chicago, Ill., assignor of one-half to The Cincinnati Sheet Metal and Roofing Company, Cincinnati, Ohio, a corporation of Ohio
Application October 14, 1940, Serial No. 361,081
8 Claims. (Cl. 108—13)

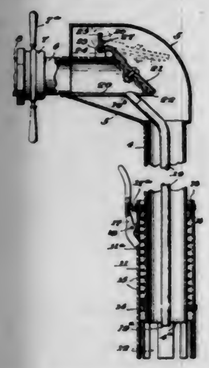
7. A sheet metal structure comprising a substantially flat panel having opposed marginal portions and an intermediate body portion, one of said marginal portions being bent to form a leg upstanding at right angles to the body portion, and turned downwardly upon itself to provide a plug including a nose and a terminal inner edge spaced from the right angular leg, said terminal inner edge being disposed in close proximity with the body portion but spaced therefrom a distance slightly greater than the thickness of the metal sheet, the other marginal portion of the panel being bent upwardly, outward-

ly, and downwardly to furnish a substantially inverted U-shaped socket, with the outwardly directed portion disposed at a higher elevation above the panel body than the nose of the plug, the socket thereby formed being receptive of a



plug of the character recited, and a longitudinal flange on the downwardly directed portion of the socket, turned toward the body portion of the panel, to provide a ledge within the socket to receive the terminal inner edge of a plug to be associated with the socket.

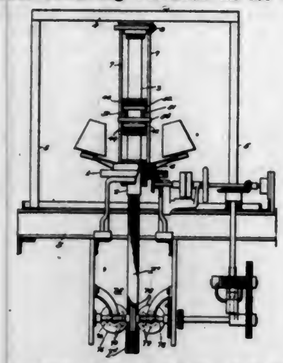
2,259,383
APPARATUS FOR REMOVING LIQUIDS FROM TANKS AND THE LIKE
Hugo J. Kutz, Grafton, N. Dak.
Application November 21, 1939, Serial No. 305,544
13 Claims. (Cl. 221—69)



1. Means for removing liquids from tanks and the like comprising a substantially vertical lift pipe adapted to be inserted down into a tank from the top, an elbow fitting at the upper end of said pipe, a substantially horizontal discharge pipe rigid with and projecting into said fitting, valve means in said fitting for controlling the connection between said pipes, and a relatively small suction pipe substantially co-extensive with said lift pipe and connected with said discharge pipe at a point inside of said fitting but independent of said valve.

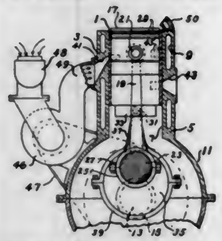
2,259,384
KNITTING HEAD
Walter Larkin, Norristown, Pa., assignor to Fidelity Machine Company, Wilmington, Del., a corporation of Delaware
Application November 12, 1940, Serial No. 365,346
25 Claims. (Cl. 66—9)

10. A needle cylinder unit of circular concentrically stepped formation including a cylindrical portion of one diameter having needle grooves in its outer peripheral surface, and a cylindrical portion of lesser diameter projecting axially beyond one end of the first said portion with needle receiving recesses in its outer pe-



ripheral surface in alternating relation to said grooves circumferentially of said unit.

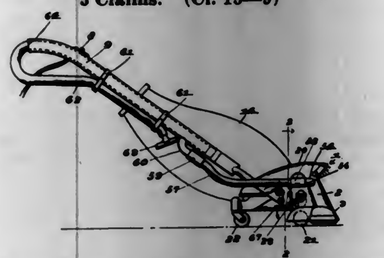
2,259,385
RECIPROCATING SLEEVE
Henry W. Lindenmuth, Dearborn, Mich.
Application May 27, 1940, Serial No. 337,398
9 Claims. (Cl. 123—65)



2. A two-cycle internal combustion engine having in combination, a cylinder block, a bore in said block, a crank shaft rotatively journalled adjacent one end of the bore in said block, a piston slidable in said bore, a connecting rod connected between said piston and said crank shaft, said piston being of a smaller diameter than said bore for providing a space therebetween, a friction reducing sleeve substantially longer than the piston and of a suitable diameter and thickness for sliding between the piston and the sidewalls of said bore, sleeve driving means for moving said sleeve simultaneously with the piston in either direction of movement but at a slower average speed relative to the side walls of the bore and so that the upper ends of the sleeve and piston are substantially even at the bottom stroke, an intake port opening through the side wall of the cylinder bore at a point adjacent the mid-point of the sweep cleared by the upper end of the piston and at a point above the upper end of the sleeve when moved to its lowest position, an exhaust port opening through the side wall of the cylinder bore at a point just above the lowest position of the upper end of the piston, an exhaust port opening through the side of said sleeve at a point therein suitable for conductively connecting with the stationary exhaust port when the piston and the sleeve are moved to the lowest position in the cylinder bore, a source of gas under pressure, and conductive means connecting from said source to the intake port in the cylinder bore to inject gas therein

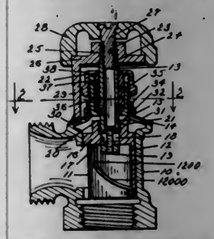
to charge the cylinder and to aid in scavenging the cylinder when the piston and the sleeve are in the lowermost positions.

2,259,386
VACUUM CLEANER
Gordon Blain Luse, Big Spring, Tex.
Application August 28, 1940, Serial No. 354,618
5 Claims. (Cl. 15—9)



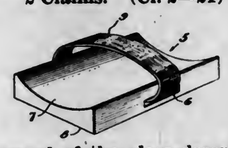
1. A vacuum cleaner comprising a body having front and back wheels for its support and having a suction nozzle with a rotary brush revoluble therein and normally disposed closely to the floor, a turnable shaft carried by the body having crank axles carrying the front wheels, an arm branching from the shaft and having a cam terminal, a blower casing embodied in the body having an inlet normally open to the suction nozzle, a hollow handle for the body, having means making communication of one of its ends with the casing inlet, a gate valve movably mounted on the body, a rock shaft turnably carried by the body, said shaft having an arm and a lever respectively to bear upon and actuate the cam terminal and in connection with the gate valve for moving it, and a treadle to turn the rock shaft thus to actuate the arm against the cam terminal and simultaneously depress the front wheels in respect to the body and shifting the gate valve to close off said inlet from the suction nozzle to confine its communication to the hollow handle.

2,259,387
VALVE
Walter L. Mayne, Fredonia, N. Y., assignor to Marsh Valve Company, Dunkirk, N. Y., a corporation of New York
Application August 16, 1939, Serial No. 290,442
1 Claim. (Cl. 137—69)



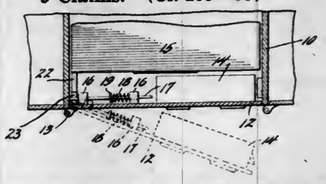
In combination a valve body having an inlet opening and a relatively rectangular outlet orifice, an exteriorly threaded hollow neck at the top of said body, a rotary orifice control member in the body having its top spaced below the bottom of the neck and having a stem receiving opening in its top, a hollow thin-walled stem including a short, solid bottom end portion of reduced cross-section secured in the opening in the top of the said control member for turning said control member, said hollow thin-walled stem extending upwardly through and above said neck and having reduced cross-section at the top exterior portion thereof, a dial plate fixed on the valve body at the base of the neck, a stop ring adjustably seating in non-rotatable relation on the dial plate at the base of the neck, an externally knurled lock ring threadedly carried by the neck for releasably retaining the stop ring against movement from its seating position, a stem actuator having an opening shaped to seat on the reduced exterior top portion of said valve stem, and further having a depending indicator finger shiftable over the dial plate as the stem is turned by said actuator, a handle grip seating on said actuator, the valve stem being of uniform inside diameter to receive a thermometer substantially to the top of the orifice control member, the interior of the valve stem being in non-communicating relation with the interior of the valve body and its neck, a screw threadedly entering the open top of the valve stem to secure the grip and actuator to the stem, and stem packing means including a packing nut seated over the threaded neck at its upper part and permitting independent operation of the locking ring.

2,259,388
GUARD
Le Roy G. Mell, Scarsdale, N. Y.
Application March 10, 1941, Serial No. 382,652
2 Claims. (Cl. 2—21)



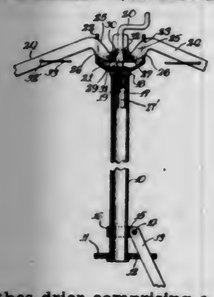
1. In a guard of the class described, a member provided with a tool engaging face and formed with a transverse slot, a resilient element extending through said slot for securing said member to the finger of an operator, said member being provided with an arciform face oppositely disposed from said first mentioned face for receiving said finger and with the marginal portions of said face adapted to embrace the sides of said finger to preclude relative side slipping.

2,259,389
LATCH FOR THE DOORS OF SAFETY DEPOSIT STRUCTURES
Oliver Metzerott, Hyattsville, Md.
Application January 10, 1941, Serial No. 374,011
9 Claims. (Cl. 109—59)



1. In combination, a compartment and a door therefor, a latch member adapted when the door is open to prevent closure of the door, and means operable upon movement of the door and operated by engagement with an object within said compartment to release said latch from door obstructing position.

2,259,390
CLOTHES DRIER
Gustav C. Monckmeier, Davenport, Iowa
Application June 2, 1939, Serial No. 277,053
5 Claims. (Cl. 211—171)



1. A clothes drier comprising a vertical standard, a sleeve journaled in the upper end of said standard having a threaded bore, a crank mounted in threaded engagement with said bore, a collar journaled on said crank, and a plurality of radially extending arms pivoted directly to said collar and adapted to be actuated laterally with respect to said standard by the manipulation of said crank.

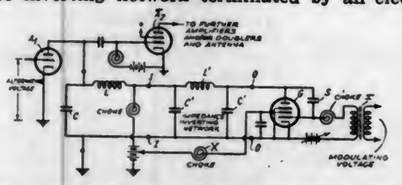
2,259,391
AUTOGRAPHIC REGISTER STRUCTURE
William A. Pringle, deceased, late of Niagara Falls, N. Y., by Henry Durk, executor, Niagara Falls, N. Y., and Charles J. Manuel, Dover, N. H., assignors to American Sales Book Company, Inc., Niagara Falls, N. Y., a corporation of Delaware
Original application March 11, 1935, Serial No. 10,398. Divided and this application March 21, 1939, Serial No. 263,238
7 Claims. (Cl. 282—12)



1. In a record device, in combination, a casing having side walls, interior partitions in said casing dividing its interior into a lower compartment and two upper laterally disposed compartments, said lower compartment providing a storage space for loose sheets, one of said upper compartments providing a storage space for a record supply, one of said partitions upstanding from another partition and being inwardly spaced from the adjacent side walls of the casing to provide one of said compartments serving as a housing compartment for a transfer strip supply, and a platen overlying said record storage space and movably mounted to open and close an entrance passageway to said storage space.

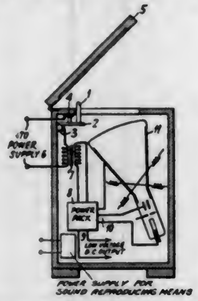
2,259,392
PHASE MODULATION
Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 18, 1939, Serial No. 262,631
5 Claims. (Cl. 179—171.5)

1. In a phase modulator, a circuit including a capacity in parallel with the series combination of an inductance and an effective resistance, the reactance of said capacity being approximately twice the reactance of said inductance, the normal value of said resistance being of the same order of magnitude as the reactance of said inductance, said resistance comprising an impedance inverting network terminated by an elec-



tronic discharge device, means for causing substantially constant radio-frequency current to flow through said network, means for varying the radio frequency resistance of said discharge device in accordance with signalling voltage, and means for utilizing the voltage developed across said circuit.

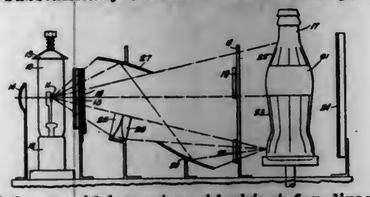
2,259,393
TELEVISION CABINET SWITCH
Hans Otto Roosenstein and Ernst Reimann, Berlin, Germany, assignors to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application December 24, 1938, Serial No. 247,606
In Germany December 23, 1937
1 Claim. (Cl. 178—5.8)



A television receiver comprising an electro-optical image reproducing means, a housing cabinet for said image reproducting means, a pivoted cover closing said cabinet, a reflector supported in the inside surface of said cover for observing in one position a reflected image reproduced by the reproducing means and in a second position for protecting and for housing completely the image reproducing means, a source of energizing voltage for said image reproducing means, a power supply for sound reproducing means, and switching means operatively connected with the cover for disconnecting the source of energizing voltage when said cover is in the above named second position without disconnecting the power supply for the sound reproducing means.

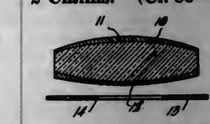
2,259,394
BOTTLE INSPECTING DEVICE
Lawrence T. Sachtleben, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 18, 1937, Serial No. 159,643
4 Claims. (Cl. 88—14)

1. Apparatus of the class described, comprising an incandescent lamp, a cylindrical lens for directing a beam of light from said lamp into an object to be inspected, an additional cylindrical lens means arranged transversely of said first lens substantially outside of the normal path of



light from said lamp to said object for directing light from outside of the direct beam passing through the first lens to the said object to predetermined portions of said object.

2,259,395
LENS COATING
Lawrence T. Sachtleben, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 31, 1940, Serial No. 348,884
2 Claims. (Cl. 88—1)



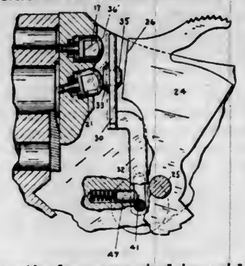
1. In combination, an optical element and a transparent non-reflecting coating on the surface thereof, said coating varying in thickness from the center to the edges in such relation to the wave length of light to be transmitted as to transmit a preponderance of one color in the middle of the surface and a preponderance of the complementary color at the edges.

2,259,396
PROCESS OF RECOVERING NIOBIUM OXIDE FROM ITS ORES
Helmut Schlecht and Leo Schlecht, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to Walter H. Duisberg, New York, N. Y.
No Drawing. Application December 12, 1939, Serial No. 308,824. In Germany December 29, 1938
5 Claims. (Cl. 23—19)

1. A process of obtaining niobic oxide from a concentrate containing a small quantity of niobic oxide, large quantities of iron, together with small quantities of aluminum, barium, calcium, titanium and other impurities which comprises reacting the concentrate with concentrated sulfuric acid to form a sulfate solution, separating the solution from the residue, diluting the solution with a small quantity of water to precipitate alkali earth metal sulfates, separating the solution from the precipitate, adding a large quantity of water to the solution and hydrolizing said diluted solution to precipitate niobium and part of the titanium while leaving the compounds of the other metals in solution.

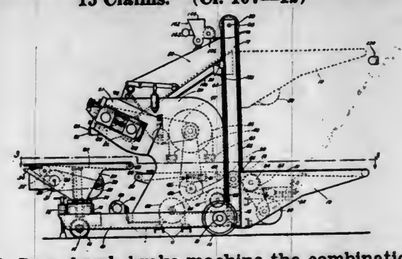
2,259,397
FIRING-PIN SELECTOR DEVICE FOR FIREARMS
Wilfred I. Smith, Chicopee Falls, Mass., assignor to Savage Arms Corporation, New York, N. Y., a corporation of Delaware
Application April 11, 1940, Serial No. 329,027
10 Claims. (Cl. 42—42)

1. In a firearm, the combination of a frame having intermediate its ends an upstanding forwardly facing breech block, two spaced barrels movably mounted relative to said frame and breech block and having cartridge receiving chambers with their rear ends butting against said forwardly directed face of the breech block when the gun is in closed position, two firing pins slidingly mounted in the breech block and located and adapted to operatively and separately engage cartridges in the cartridge chambers of said two barrels, resilient means normally urging said firing pins to rearward position, means stopping said rearward movement of the firing pins at rearward position, a single hammer movably mounted relative to said breech block, a single



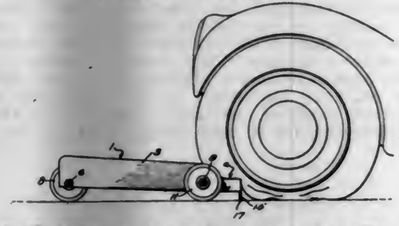
trigger operatively connected to said hammer, a slider movably mounted for limited movement in said breech block between the hammer and said two firing pins, a rivet-like extension in one part of said slider with its head forward of the slider and adapted to be selectively brought opposite one or the other of said firing pins by lengthwise movement of said slider, the shank of said slider extension projecting rearwardly of the slider and adapted to be struck and with said slider to be driven forwardly by the forward movement of the hammer and means operatively connected to said slider and extending to a point outside the frame for manually moving said slider.

2,259,398
DOUGH BRAKE MACHINE
Edward H. Strubbe and Michael J. Colacurcio, Cincinnati, Ohio, assignors to United Biscuit Company of America, Chicago, Ill., a corporation of Delaware
Application August 7, 1940, Serial No. 351,706
15 Claims. (Cl. 107—12)



1. In a dough brake machine the combination of a sheeting means, a turn-table disposed forwardly of and below said sheeting means to receive dough in manually folded and stacked condition as it is sheeted by said sheeting means, a conveying and elevating mechanism disposed rearwardly of the turn-table and beneath the sheeting means for returning dough from the turn-table to the sheeting means, and means to cyclically actuate the conveying and elevating mechanism for successively receiving dough batches from the turn-table and directing said batches into and away from said sheeting means.

2,259,399
EMERGENCY TIRE TRUCK
Erwin Louis Sutter, Boston, Mass., assignor to The Sutter Co., Inc., Allston, Mass.
Application July 22, 1940, Serial No. 346,839
3 Claims. (Cl. 280—61)

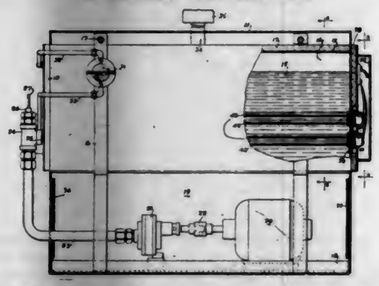


1. Emergency truck for supporting the disabled wheel of an automobile comprising a wheel supported frame, a tiltable chock end comprising a tread member pivoted intermediate its ends with respect to the frame and having on its outer end a depending riser part perpendicular with respect to the tread part, the riser being of a depth equal to the height from the ground of the tread at its pivot.

2,259,400
FLAW DETECTION
Robert C. Switzer, Cleveland, Ohio
No Drawing. Application August 17, 1938, Serial No. 225,421
13 Claims. (Cl. 250—71)

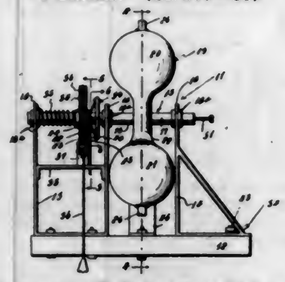
1. The method of detecting flaws in a metallic body, comprising treatment of the body with a primary agent capable of penetrating the flaws, removal of the agent from the external body surfaces, and treatment of the body with a second agent reactive with the primary agent to form a product in the proximity of flaw surface outlets differing from the body surfaces in response to ultra-violet radiations.

2,259,401
FLUID HEAT TRANSFER UNIT
Warren R. Tucker and Victor S. Shaw, Mount Gilead, Ohio, assignors to The Hydraulic Development Corp. Inc., Wilmington, Del., a corporation of Delaware
Application August 31, 1939, Serial No. 292,940
10 Claims. (Cl. 219—39)



1. In a self-contained fluid circulating heating apparatus, a container having a heat-transferring liquid therein, an electrical heating device in said container, and power-driven means for circulating the liquid, said electrical heating device comprising a plurality of electrical immersion heater tubes extending horizontally through said container and emerging through one end wall thereof, and a terminal board mounted on said wall for interconnecting said heater tubes to a source of electrical energy.

2,259,402
ELECTRIC TIME CONTROLLED SWITCH
Matthew A. Van Dam, Lansing, Ill.
Application July 11, 1940, Serial No. 344,993
6 Claims. (Cl. 200—33)



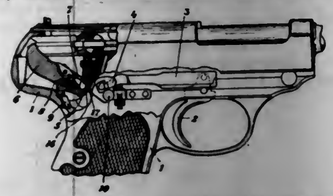
1. A time controlled electric switch, comprising a shaft, bearings in which the ends of the shaft are journaled, a spool rotatably mounted on the shaft, spring means for turning the spool in one direction, a stop connected to the spool for limiting its turning movement in said direction, means connected to said spool for turning it in the opposite direction, clutch means associated with the shaft and spool to cause the shaft to be turned with the spool when the latter is rotated in the last mentioned direction, and to cause the spool to turn relatively to the shaft when turned in the first mentioned direction; a container having compartments at its ends connected by a restricted neck portion having a bore forming a communicating passage between said compartments, said neck portion being fixed to the shaft for inverting the container when the shaft is turned, a pair of electrical contacts, and a fluent substance contained in said container and partially filling the same, to flow from the upper compartment through the bore to the lower compartment, for making and breaking a circuit between the two contacts.

2,259,403
PROCESS FOR THE PRODUCTION OF BERYLLIUM CHLORIDE
Helmut von Zeppelin, Bitterfeld, Germany, assignor, by mesne assignments, to Walther H. Duisberg, New York, N. Y.
No Drawing. Application April 3, 1939, Serial No. 265,757. In Germany April 5, 1938
1 Claim. (Cl. 23—21)

A process for producing and recovering beryllium chloride from mixtures of precipitates containing beryllium hydroxide and an alkaline earth metal fluoride which comprises calcining such mixture so as to convert the beryllium hydroxide into beryllium oxide, thereupon treating the resulting mixed product with chlorine in the presence of carbon so as to convert the beryllium oxide into volatile beryllium chloride while leaving the calcium fluoride as a residue, and condensing such volatilized beryllium chloride.

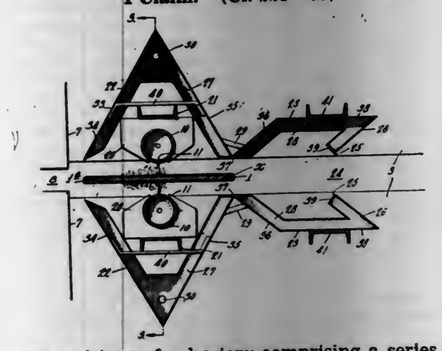
2,259,404
PISTOL FIRING MECHANISM
Fritz Walther, Zella-Mehlis, Germany
Application March 16, 1939, Serial No. 262,188
In Germany March 8, 1938
3 Claims. (Cl. 42—69)

3. In a firearm having a frame, a trigger pivoted to the frame, a hammer adapted to be cocked either by direct actuation or by a pull on the trigger, a sear member pivoted to said frame and operatively connected to said trigger, said sear member having a shoulder thereon for releasably holding said hammer when the hammer is in cocked or direct actuation, a first cam portion on the sear member for cocking said hammer by means of said trigger, and a second cam



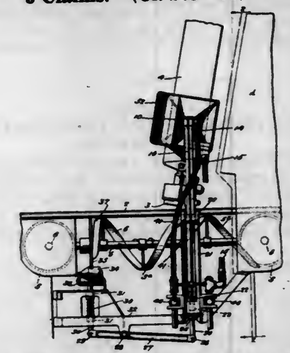
portion on the sear member near the hammer-releasing edge of said first cam portion, whereby cocking movement of the hammer is suddenly accelerated just before release.

2,259,405
HOSIERY MOISTENER
Harry F. Wanamaker, Philadelphia, Pa., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
Application July 6, 1939, Serial No. 283,106
1 Claim. (Cl. 223—76)



A moistener for hosiery comprising a series of flat vertical hosiery-supporting forms successively movable edgewise in a vertical plane along a horizontal path into an entrance slot of a dryer adjacent which the moistener is adapted to be located, a pair of steam chambers respectively located at opposite sides of said path with continuous vertical slots respectively directing sheets of steam in opposite directions toward said path in a common plane transverse to the plane of movement of said forms, a main casing enclosing said steam chambers and having a form entrance and exit connected by a through passageway for said forms coincident with said path and aligned with said dryer slot, said main casing being adapted to catch and condense steam rebounding from said forms as said forms pass through said sheets of steam, and an auxiliary casing contiguous to that side of said main casing remotely situated with respect to said dryer and having a through passageway for said forms in line with the passageway of said main casing, said auxiliary casing being adapted to catch and condense steam driven from the form entrance of said main casing by a current of air escaping from said dryer through said slot therein and entering the form exit of said main casing, those parts of said auxiliary casing disposed at opposite sides respectively of said passageway each comprising adjacent angularly arranged vertical walls forming a rhomboidal configuration cross-sectionally in a horizontal plane, with one side of each rhomboidal casing part lying adjacent and parallel to said passageway and being open for entrance of the steam thereinto, said rhomboidal casing parts being disposed reversely at said opposite sides of said passageway with the longer diagonals of the rhomboids diverging from the form entrance of the main casing in the direction opposite to the movement of the forms through said juxtapositioned main and auxiliary casings.

2,259,406
HOSIERY MOISTENER
Harry F. Wanamaker, Philadelphia, Pa., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
Application July 26, 1939, Serial No. 286,695
3 Claims. (Cl. 223—76)



1. A hosiery pretreating device for use with a hosiery dryer which includes a drying chamber and a track partly contained within and partly exposed outside said chamber with a series of hosiery-supporting forms mounted on and adapted to traverse said track through and outside said chamber, said device comprising a pair of steam boxes located at opposite sides respectively of said track adjacent the form entrance of said chamber, a shaft below and extending parallel to that portion of said track along which said forms move to enter said chamber, an interrupted spiral cam on said shaft and including one portion adapted to move said forms successively along said portion of said track and having a tail end which permits stopping each form in a position intermediate said steam boxes and a second portion having a lead end in circumferentially spaced relation to the tail end of said first portion for moving said forms successively from said intermediate position into said chamber, and a cam rotating in one-to-one ratio to said shaft for operating said steam boxes into and out of contact with said interposed form and including a dwell portion for maintaining said contact throughout a substantial portion of the period of interposition of said form between said steam boxes.

2,259,407
DEPILATORY COMPOSITION
Thomas Norman Weiskirch, Le May, Mo., assignor to Inter-Coastal Paint Corporation, East St. Louis, Ill., a corporation of Illinois
No Drawing. Application May 14, 1940, Serial No. 335,135
2 Claims. (Cl. 149—2)

1. A depilatory composition comprising a major proportion of rosin and a minor proportion (but

not less than 10%) of a petroleum resin which is substantially free from asphalt, and which has a pour point of 75° F., plus or minus 10°, a Saybolt Furol viscosity at 210° F. of approximately 115 seconds, a penetration at 32° F. of about 106, and a penetration at 77° F. of greater than 420.

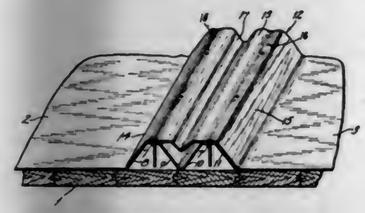
2,259,408
RESINOUS DEPILATORY COMPOSITION
Thomas Norman Weiskirch, Le May, Mo., assignor to Inter-Coastal Paint Corporation, East St. Louis, Ill., a corporation of Illinois
No Drawing. Application June 24, 1941, Serial No. 399,527
3 Claims. (Cl. 149—2)

1. A depilatory composition comprising a major proportion of rosin and a minor proportion (but not less than 10%) of a petroleum resin which is substantially free from asphalt and which has a pour point of 50° F. to 100° F. and a Saybolt Furol viscosity at 210° F. of 35 seconds to 210 seconds.

2,259,409
PROCESS FOR REACTIVATING DESULPHURIZING MASSES
Wilhelm Wenzel, Leuna, and Erich Hayek, Merseburg, Germany, assignors, by mesne assignments, to Walter H. Duisberg, New York, N. Y.
No Drawing. Application May 24, 1939, Serial No. 275,468. In Germany June 3, 1938
2 Claims. (Cl. 23—148)

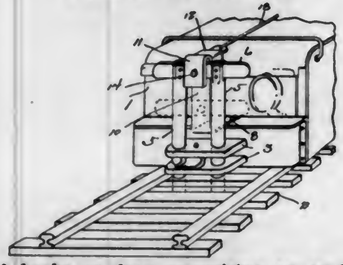
1. A process for reactivating zinc oxide which has been sulphurized by use for purifying a gas containing sulphur compounds, by an oxidizing treatment with a gas containing oxygen at temperatures between about 600° and 900° C., which consists in treating the mass first with a gas containing less oxygen than air and then with a gas having a higher oxygen content than air so that the treatment is completed with a gas containing at least 50 per cent of oxygen.

2,259,410
METAL ROOFING STRUCTURE
Elmer C. Werner, Delphos, Ohio, assignor to The New Delphos Manufacturing Company, Delphos, Ohio, a corporation of Ohio
Application February 13, 1941, Serial No. 378,787
3 Claims. (Cl. 108—18)



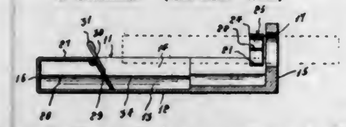
1. A lap joint for roofing sheets comprising two metal sheets overlapping at their marginal side edge portions, the lapped portion of the under sheet including two parallel ridges of inverted V-form forming a V channel therebetween the same in depth as the ridges and the lapping portion of the upper sheet having a single ridge for fitting down over said under ridges with its legs lying flat against the respective outer legs of the under ridges and with its top bridging said channel and formed centrally of its edges with a longitudinally extending depression forming a trough and extending down into the upper portion of said lower channel in substantially parallel spaced relation to the walls and bottom thereof.

2,259,411
MINE CAR BRAKE
Ruben West, Bakerton, Pa.
Application June 20, 1940, Serial No. 341,565
5 Claims. (Cl. 188—38)



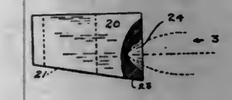
1. A brake or drag comprising an anchoring member formed with a pair of spaced, vertical anchor bars designed to engage a base when in action a connecting member for said anchor bars; a keeper assembly for such anchoring device, a bracket into which said connecting member fits when the anchor bars are inactive, and a locking and release member to hold said anchoring member in inoperative position including a locking pin operating through said bracket, a spring pressing said pin into locking engagement with the connecting member of said anchor bars of said anchoring device, and means for releasing the pin, said anchoring device in its entirety moving to its active position when released by its own weight.

2,259,412
SMOKER'S APPLIANCE
Robert Gordon Whitman, Alvon, W. Va.
Application June 27, 1939, Serial No. 281,437
3 Claims. (Cl. 131—241)



1. A smoker's appliance comprising a channel shaped member having end walls, one of said end walls extending above the sides of said member and being provided with an opening for loosely receiving a cigarette, a cigarette retaining device carried by said channel shaped member and disposed adjacent to said end wall, said retaining device including a strip having downturned ends secured to the outer side of the sides of said channel member and having a depending arcuately shaped intermediate portion depending into the channel shaped member, and a strip overlying said first mentioned strip and secured at one end to an end of the first mentioned strip, the intermediate portion of said last mentioned strip having an upwardly projecting arcuately shaped portion forming with said first mentioned arcuately shaped portion a ring, the opposite end of said last mentioned strip extending downwardly on the opposite side of the channel shaped member and having an outwardly flared terminal forming a finger grip, said last mentioned strip being formed of yieldable material for yieldably engaging and releasably holding a cigarette.

2,259,413
PICKER
Charles Walter Yelm, Denver, Colo., assignor to The Gates Rubber Company, Denver, Colo., a corporation of Colorado
Application March 8, 1941, Serial No. 382,366
1 Claim. (Cl. 139—159)

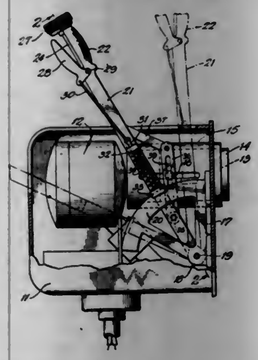


A picker having its front wall provided with an elongated inwardly tapering opening, the trace of the front wall with the side of the opening forming a figure whose top and bottom are formed by substantially semi-circular arcs whose centers are positioned at spaced points on a vertical line, the arcs being joined by substantially straight lines parallel to the line joining the centers of curvature.

2,259,414
PREPARATION OF COMPLEX DIARYL GUANIDINE METAL SALT ADDITION COMPOUNDS
Arnold R. Davis, Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 3, 1940, Serial No. 351,155
7 Claims. (Cl. 260—429)

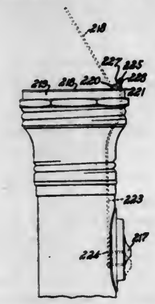
1. A process of preparing a complex addition compound of a diaryl guanidine and a salt of the group consisting of zinc chloride and hydrated aluminum chloride which comprises dissolving the metal chloride in alcohol, adding the diaryl guanidine thereto, heating the mixture to bring about reaction between the metal salt and the diaryl guanidine and continuing the heating until the alcohol has been substantially removed from the mass and a fused mass is obtained.

2,259,415
CAMERA FOCUSING DEVICE
William C. Eddy, Kenilworth, Ill., assignor to Balaban & Katz Corporation, Chicago, Ill., a corporation of Delaware
Application February 5, 1941, Serial No. 377,415
5 Claims. (Cl. 95—45)



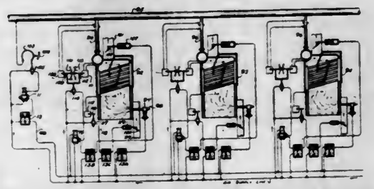
1. A focusing device for a camera having a lens carrier, comprising a lever mounted on the camera for moving said lens carrier in a line perpendicular to the focal plane of the lens to effect approximate focusing, toggle linkage mounted upon said lever and movable therewith connecting said lever to said lens carrier, and means upon said lever for operating said toggle joint to impart movement to said lens carrier for precise focusing without moving said lever.

2,259,416
LAMP CONSTRUCTION
Paul Norris Gardner, Bethesda, Md., assignor to Mer-Q-Ree Incorporated, Bethesda, Md., a corporation of Maryland
Application December 19, 1940, Serial No. 370,872
6 Claims. (Cl. 240—2.25)



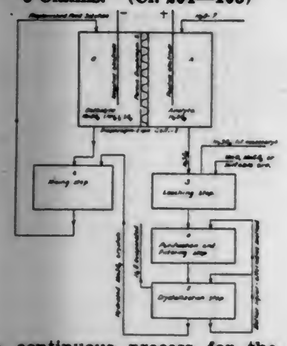
2. A self-luminous lamp construction comprising a casing having an opening therein, an electric lamp mounted in said casing, means for mounting a body of fluorescent material in said casing visible through said opening and positioned to be activated by light from said electric lamp, switch means for controlling energization of said electric lamp, a shutter carried by said casing shiftable from and to a closed position over said opening to intercept light rays from said lamp, and means operable to shift said shutter to closed position over said opening upon actuation of said switch means to energize said lamp.

2,259,417
CONTROL SYSTEM
Harvard H. Gorrie, Cleveland Heights, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Application May 5, 1937, Serial No. 140,900
11 Claims. (Cl. 236—14)



4. In combination with a vapor generator heated by the elements of combustion, a vapor outflow meter, a flow meter of the gaseous products of combustion, each meter individually adapted to establish a fluid loading pressure representative of the meter reading, and a pressure balancing relay to which both said fluid pressures are admitted, said relay effective in producing a third fluid pressure representative of the algebraic sum of said first two fluid pressures.

2,259,418
ELECTROLYTIC MANGANESE PROCESS
William Henry Hannay and Basil Joseph Walsh, Trail, British Columbia, Canada, assignors to The Consolidated Mining & Smelting Company of Canada, Limited, Montreal, Quebec, Canada, a corporation of Canada
Application April 3, 1939, Serial No. 265,632
6 Claims. (Cl. 204—105)



1. In a continuous process for the electrodeposition of manganese in a diaphragm type cell, the steps of feeding a manganous sulphate-ammonium sulphate electrolyte having a pH value within the range of from pH 4 to pH 8 into the cathode compartment, the anode compartment containing an electrolyte consisting of an aqueous sulphuric acid solution, continuously withdrawing depleted manganous sulphate-ammonium sulphate electrolyte from the cathode compartment and replenishing the manganese content thereof by the addition of manganous sulphate and continuously returning the replenished electrolyte to the cathode compartment, continuously feeding water into the anode compartment in amount sufficient to combine with the sulphate ions migrating through the diaphragm to form an aqueous sulphuric acid solution, and continuously withdrawing aqueous sulphuric acid solution from the anode compartment.

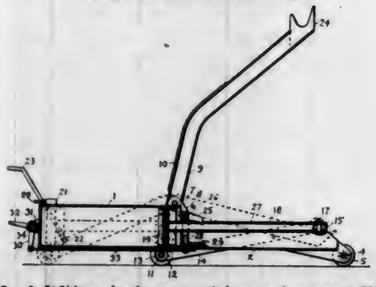
2,259,419
WELL DRILLING
Dana G. Hefley and John G. Staudt, Tulsa, Okla., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application October 23, 1937, Serial No. 170,626
5 Claims. (Cl. 252—8.5)

1. In a method of drilling a well wherein a drilling fluid is used, the steps which comprise supplying to the drill in the bore an aqueous dispersion of an organic jellifying material, and subsequently introducing into the well bore a strong mineral acid.

2,259,420
FLOTATION PROCESS FOR OXIDIZED MANGANESE ORE
Robert C. Hills, Port Sulphur, La., assignor to Freeport Sulphur Company, New York, N. Y., a corporation of Delaware
No Drawing. Application February 1, 1939, Serial No. 254,007
10 Claims. (Cl. 209—166)

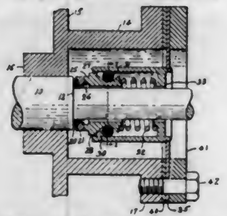
1. The process of concentrating oxidized manganese ore which comprises grinding the ore, combining the ore with an aqueous dispersion of talloel and producing watery pulp having a pH of not more than 7.4, subjecting said pulp to a flotation operation to form a froth containing ore minerals, and collecting said froth.

2,259,421
LIFTING JACK
Alexis Jackson, Bayside, N. Y., assignor to Vadim S. Makaroff, New York, N. Y.
Application March 27, 1939, Serial No. 264,326
19 Claims. (Cl. 254—8)



19. A lifting jack comprising a frame, a lifting member, means to slidably and rotatively support the member at its intermediate portion, means to support an object on the front ends of the lifting member, means to slidably support the rear end of the lifting member, and means to move the rear end of the lifting member, thereby causing the lifting member to slide and to rotate on the supporting means at its intermediate portion so as to raise the front end of the lifting member.

2,259,422
SHAFT SEAL
Arvid E. Karlberg, Chicago, Ill., assignor to Chicago Seal Company, Chicago, Ill., a corporation of Illinois
Application December 7, 1939, Serial No. 307,977
1 Claim. (Cl. 286—7)



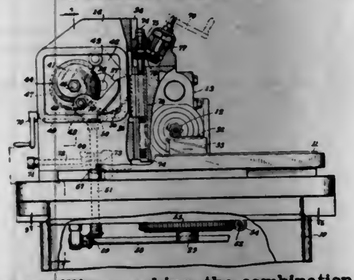
In association with a housing member having a shaft extending therethrough and rotatable with respect thereto, the combination of a sealing organization embodying a sleeve rotatably mounted with and sealed at one end to the shaft, a non-rotatable sealing member supported by said housing and having a portion thereof contacting and movable with respect to said sleeve and having an open annular arc shaped peripheral recess the axis of which is transverse to the axis of said sealing member, and an annular resilient sealing element the body of which is substantially round in cross-section, said ring being disposed within said recess and contacting the inner peripheral face of said housing, the depth of said recess being less than the normal cross-sectional diameter of said sealing element, whereby the sealing element will be compressed between the housing and the bottom of the recess,

the maximum chord of said arc being slightly greater than the diameter of the body of the sealing ring and only sufficient to permit a slight rolling movement of said resilient clement in said recess, the said sealing element being further compressed substantially as it is moved axially within said recess.

2,259,423
PREPARATION OF HYDROGENATION CATALYST
William J. Kirkpatrick, Marshallton, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 15, 1941, Serial No. 383,541
12 Claims. (Cl. 252—251)

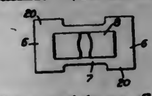
1. In the process for preparing a noble metal oxide hydrogenation catalyst by the fusion of a noble metal compound with an alkali metal nitrate, the step which comprises washing the reaction mass with an aqueous solution of an acid electrolyte, which solution is inert to and incapable of dissolving the noble metal oxide, and which electrolyte is free of elements which are potential producers of noble metal hydrogenation inhibitors.

2,259,424
AUTOMATIC MILLING MACHINE
Frederick Koch, Sparta, N. J., assignor to Associated Patentees, Inc., Ampere, N. J., a corporation of New Jersey
Application December 21, 1939, Serial No. 310,321
19 Claims. (Cl. 90—13)



1. In a milling machine, the combination of a carriage mounted for travel in opposite directions, a pivotally mounted lever connected for operating said carriage, cam followers on said lever at opposite sides of the pivotal axis of said lever and in different positions longitudinally of said pivotal axis, a single cam shaft and separate edge cams on said shaft in line with and engaged on opposite sides by said cam followers, said edge cams designed respectively to control desired movement of said carriage in opposite directions.

2,259,425
NUT MEMBER
Howard J. Murphy, Greenwood, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application May 31, 1939, Serial No. 276,546
2 Claims. (Cl. 85—32)

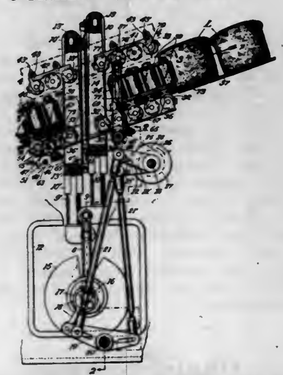


1. A spring nut comprising a flexible base portion having end portions and connecting portions extending between the end portions and spaced apart, said connecting portions being of such thin material and such narrow width at at least one point between the end portions that the base portion is easily bent along a line transverse to said connecting portions by manual pressure applied to said end portions, and bolt-engaging portions integrally joined to said end portions and projecting from the plane of said base, said bolt-engaging portions having their free ends terminating in spaced relation and providing a bolt-receiving opening therebetween, said base being adapted to be moved over the free end of said bolt, said free ends of said bolt-engaging portions being spaced apart in normal unflexed shape of said base portion a distance less than the diameter of a bolt to be extended therebetween whereby said free ends may engage frictionally said bolt under the spring tension of said bent base at all points along the axial length of said bolt at which said nut may be disposed, and said base being flexible to a degree to enable said bolt-engaging portions to move over said bolt substantially without yielding at their points of junction with said base.

2,259,426
CRUSTATION-INHIBITED VISCOSE SPINNING SOLUTION
Philip A. Ray, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 29, 1939, Serial No. 287,405
5 Claims. (Cl. 106—165)

4. A viscose solution containing between 0.1 and 1.0% of a reaction product of chlorinated aliphatic hydrocarbons of from 8 to 30 carbon atoms and ammonia having a 4.5 to 7.1% nitrogen content and a 8.0 to 14% chlorine content.

2,259,427
SLICER FOR BREAD LOAVES
Phil G. Schlemmer, Nanuet, N. Y., assignor to American Machine & Foundry Company, a corporation of New Jersey
Application June 25, 1937, Serial No. 150,217
6 Claims. (Cl. 146—153)



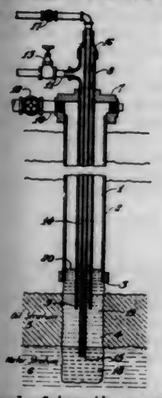
1. A bread slicing machine of the class described: said machine comprising a reciprocating slicing device; and feeding mechanism including at least one set of rolls for supporting said loaves successively as they are advanced sidewise to the slicing device, and another set of top rolls;

also a pair of sets of rolls engaged with the ends of said loaves, and means to drive all of said sets in unison to exert propulsive action upon all exposed faces of the loaves before and after slicing.

2,259,428
TREATMENT OF WELLS
Paul G. Shelley, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application April 23, 1940, Serial No. 331,207
5 Claims. (Cl. 166—21)

2. In a method of treating a well to remove paraffin and the like, the steps which consist in introducing into the well bore a solid cooling agent, introducing into the well bore a quantity of paraffin solvent whereby the paraffin solvent is cooled by contact with said cooling agent, and then forcing the cooled paraffin solvent into the surrounding formation.

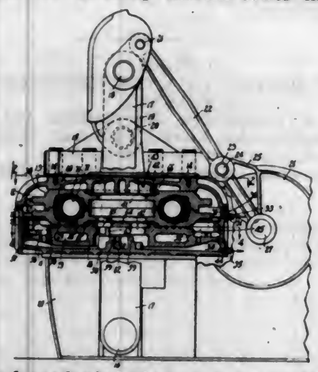
2,259,429
METHOD OF TREATING WELLS
Drury M. Simmons, Shreveport, La., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application August 1, 1939, Serial No. 287,788
4 Claims. (Cl. 166—21)



1. In a method of treating a well with a fluid treating agent, said well being equipped with the usual casing and well tubing, the steps which consist in introducing the fluid treating agent into the well through the well tubing, the lower open end of which is located adjacent the formation to be treated, while introducing an inactive liquid into the well through a second tubing disposed within the casing and having its lower open end located below that of the well tubing, and forcing both the fluid treating agent and the inactive liquid into the formation while applying pressure on the fluid treating agent through the casing to prevent the upward displacement in the well of the fluid treating agent as it is being forced into the formation.

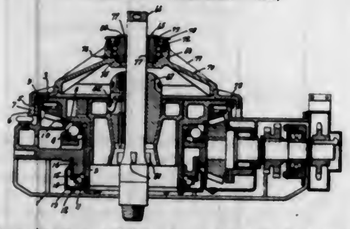
2,259,430
VULCANIZING PRESS
Leslie E. Soderquist, Akron, Ohio, assignor to The McNeil Machine & Engineering Company, Akron, Ohio, a corporation of Ohio
Application December 2, 1939, Serial No. 307,266
6 Claims. (Cl. 18—17)

6. In a vulcanizing press, upper and lower relatively movable shell members cooperating to form a curing chamber, means on said upper shell member for securing therein upper mold sections of graduated sizes, an upper mold section secured to said means, means carried by said lower shell member for securing therein lower mold sec-



tions of graduated sizes, a lower mold section complementary to said upper mold section secured to said last named means, said last named means comprising a spacing ring threaded in the lower shell member and supporting the lower mold section, and means for locking said ring to said lower shell member.

2,259,431
ROTARY MACHINE
John D. Spalding, Los Angeles, Calif., assignor to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania
Original application March 1, 1937, Serial No. 128,468. Divided and this application March 9, 1938, Serial No. 194,865
7 Claims. (Cl. 255—23)

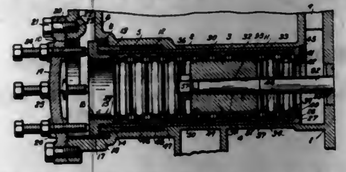


1. A rotary machine for rotating a drill stem, having a base, a table rotatably mounted on the base, in combination with a drill stem drive bushing, through which said stem is free to reciprocate while drilling, said bushing being adapted to impart rotation to the drill stem upon rotation of the table, and means mounted on the base and including bearing means for rotatably supporting said drive bushing independently of the table.

2,259,432
CYLINDER AND PISTON STRUCTURE FOR PRESSURE DEVICES
George J. C. Failing and Walter T. Caldwell, Enid, Okla., assignors to The George E. Failing Supply Company, Enid, Okla., a corporation of Oklahoma
Application May 25, 1938, Serial No. 209,956
8 Claims. (Cl. 309—3)

1. In an apparatus of the character described,

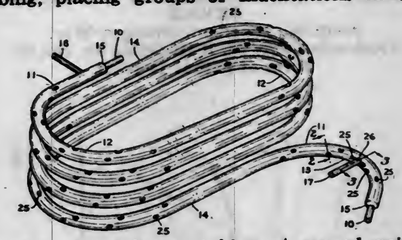
a liner having an internal lip at one end, a series of rings inserted in said liner, a packing gland having connection with the opposite end of the liner to cooperate with said lip in urging the rings into sealing contact with each other, a



spacer inserted between selected rings at approximately the center of the liner to divide the rings into sets, and flexible facings on said rings having flexible lip portions arranged with the lip portions on one set directed toward the lip portions of the other set.

2,259,433
HEAT EXCHANGER
William H. Kitto, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application November 15, 1937, Serial No. 174,601
4 Claims. (Cl. 29—157.3)

2. That method of constructing a fluid heat exchanger which comprises cutting lengths of tubing of different diameters into sections of predetermined length, the sections of smaller diameter tubing being longer than the sections of larger diameter tubing, inserting a section of smaller diameter tubing into a section of larger diameter tubing until the ends of the smaller tubing project beyond both ends of the larger tubing, placing groups of indentations in the

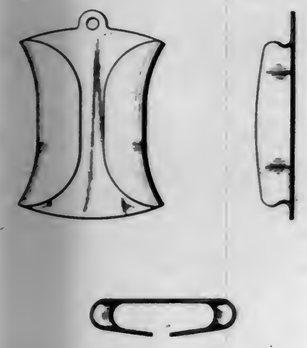


surface of the larger tubing at spaced points therealong which indentations are of sufficient size and spaced in such manner as to retain said smaller and larger sections in a definite position with respect to one another, and then bending said tubing sections at said groups of indentations to form a coil having a substantially continuous annular fluid passage between said tubing sections from the inlet to the outlet thereof.

DESIGNS

OCTOBER 14, 1941

129,913
DESIGN FOR A PACK-ROPE SECURING DEVICE
Alvin W. Anderson, Granger, Wyo.
Application July 23, 1941, Serial No. 102,396
Term of patent 14 years



The ornamental design for a pack-rope securing device, as shown.

129,914
DESIGN FOR A RUBBER BOOT
George H. Bingham, Jr., Lincoln, Mass., assignor to Cambridge Rubber Co., Cambridge, Mass., a corporation of Massachusetts
Application September 3, 1941, Serial No. 103,144
Term of patent 7 years



The ornamental design for a rubber boot, substantially as shown and described.

129,915
DESIGN FOR A SPECTACLE FRAME
Arthur Blum, Brooklyn, N. Y.
Application January 31, 1941, Serial No. 98,620
Term of patent 7 years



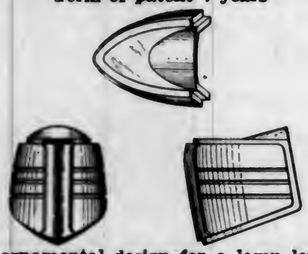
The ornamental design for a spectable frame, as shown.

129,916
DESIGN FOR A GAME BOARD
Gustav Bohland, Miami Beach, Fla.
Application November 18, 1940, Serial No. 96,660
Term of patent 3½ years



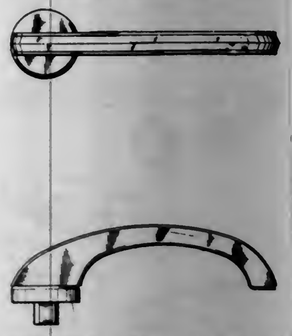
The ornamental design for a game board, as shown and described.

129,917
DESIGN FOR A LAMP LENS
Robert Cadwallader, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application December 19, 1940, Serial No. 97,442
Term of patent 7 years



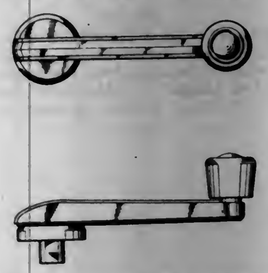
The ornamental design for a lamp lens, substantially as shown.

129,918
DESIGN FOR A VEHICLE DOOR HANDLE
Burton S. Floraday, Toledo, Ohio, assignor to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan
Application June 30, 1941, Serial No. 101,797
Term of patent 7 years



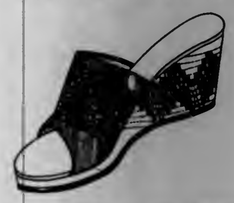
The ornamental design for a vehicle door handle, as shown.

129,919
DESIGN FOR A REGULATOR HANDLE FOR VEHICLE DOORS
Burton S. Floraday, Toledo, Ohio, assignor to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan
Application June 30, 1941, Serial No. 101,798
Term of patent 7 years



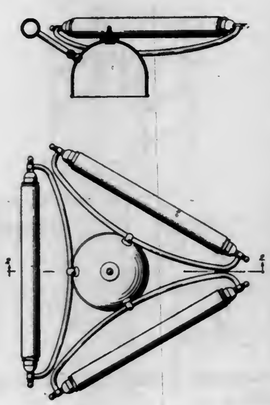
The ornamental design for a regulator handle for vehicle doors, as shown.

129,920
DESIGN FOR A SLIPPER
Henry H. Gross, Brooklyn, N. Y.
Application September 8, 1941, Serial No. 103,209
Term of patent 3½ years



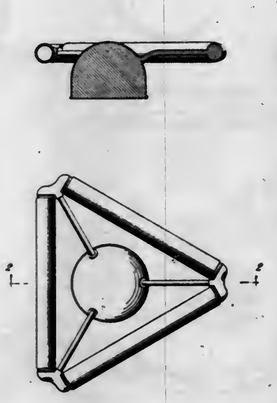
The ornamental design for a slipper, substantially as shown and described.

129,921
DESIGN FOR A LAMP HEAD
Paul H. Irmischer, Chicago, Ill.
Application August 20, 1941, Serial No. 102,958
Term of patent 3½ years



The ornamental design for a lamp head, as shown.

129,922
DESIGN FOR A LAMP HEAD
Paul H. Irmischer, Chicago, Ill.
Application August 20, 1941, Serial No. 102,959
Term of patent 3½ years



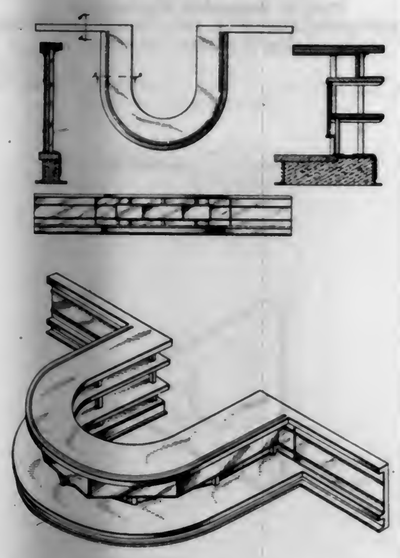
The ornamental design for a lamp head, as shown.

129,923
DESIGN FOR A LIPSTICK APPLICATOR
Irene B. Kaltenbach, Los Angeles, Calif.
Application May 29, 1941, Serial No. 101,226
Term of patent 14 years



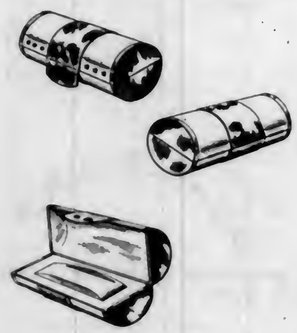
The ornamental design for a lipstick applicator, as shown.

129,924
DESIGN FOR A RESTAURANT COUNTER
Leonard W. Lowther, Merchantville, N. J., assignor to Horn and Hardhart Baking Co., Philadelphia, Pa., a corporation of Pennsylvania
Application September 25, 1940, Serial No. 95,360
Term of patent 14 years



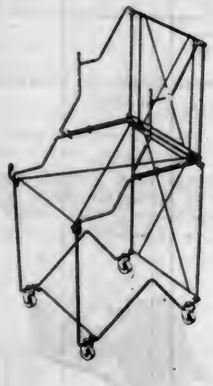
The ornamental design for a restaurant counter, substantially as shown.

129,925
DESIGN FOR A DISPLAY BOX
Eugene Lux, New York, N. Y., assignor to Bulova Watch Company, Incorporated, New York, N. Y., a corporation of New York
Application February 21, 1941, Serial No. 99,160
Term of patent 7 years



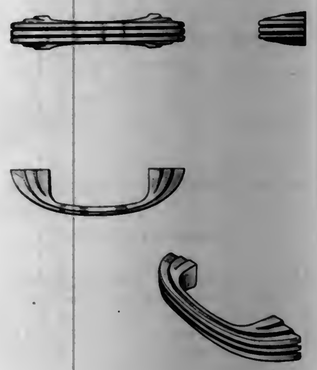
The ornamental design for a display box, substantially as shown.

129,926
DESIGN FOR A DISPLAY STAND
Frank H. Patton, Fredonia, N. Y., assignor to Good Seed Company, Inc., Fredonia, N. Y.
Application August 2, 1941, Serial No. 102,654
Term of patent 14 years



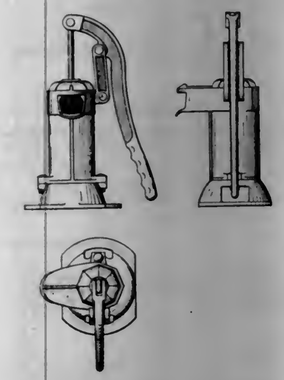
The ornamental design for a display stand, as shown.

129,927
DESIGN FOR A DRAWER PULL
Roy L. Peat, Huntington Park, Calif., assignor to Plastic and Die Cast Products Corporation, Los Angeles, Calif., a corporation of California
Application August 9, 1940, Serial No. 94,344
Term of patent 3½ years



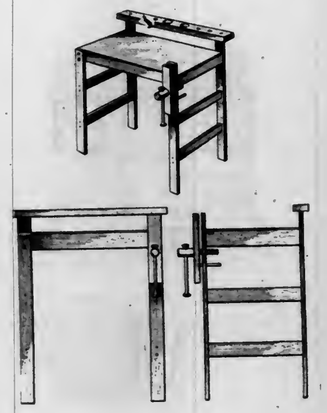
The ornamental design for a drawer pull, as shown.

129,928
DESIGN FOR A PITCHER-SPOUT PUMP
Elmer D. Pellegrin, Woodstock, Ill., assignor to Geo. D. Roper Corporation, Rockford, Ill., a corporation of Illinois
Application June 9, 1941, Serial No. 101,354
Term of patent 7 years



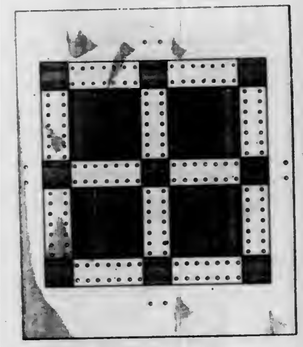
The ornamental design for a pitcher-spout pump, substantially as shown.

129,929
DESIGN FOR A TOY WORKBENCH
Jacob Pressman, New York, N. Y.
Application November 20, 1940, Serial No. 96,712
Term of patent 7 years



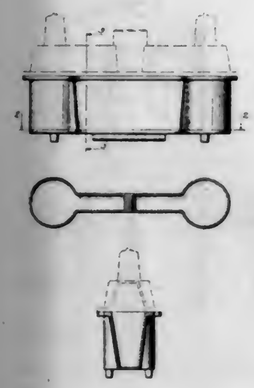
The ornamental design for a toy workbench, substantially as shown and described.

129,930
DESIGN FOR A GAME BOARD
Robert Anton Sauer, Butte Meadows, Calif.
Application June 19, 1941, Serial No. 101,572
Term of patent 3½ years



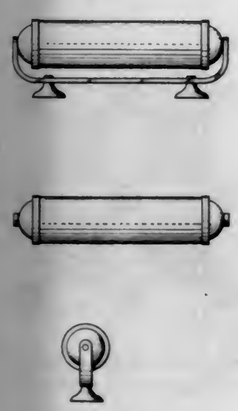
The ornamental design for a game board, as shown.

129,931
DESIGN FOR A CASING FOR A LIQUID MEASURING APPARATUS
William F. Schultz, Ripon, Wis.
Application May 28, 1941, Serial No. 101,203
Term of patent 14 years



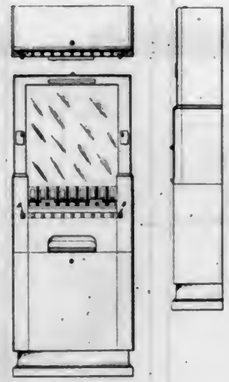
The ornamental design for a casing for a liquid measuring apparatus, as shown and described.

129,932
DESIGN FOR AN ELECTRIC LAMP
Howard H. Smith, Lock Haven, Pa.
Application July 29, 1941, Serial No. 102,541
Term of patent 7 years



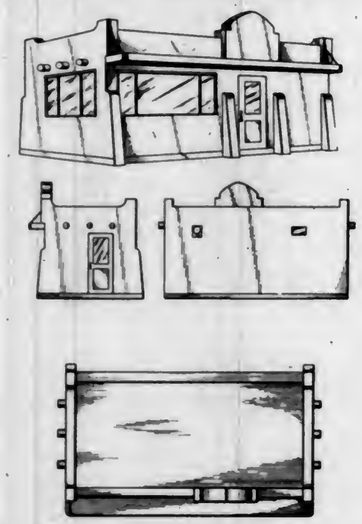
The ornamental design for an electric lamp, substantially as shown.

129,933
DESIGN FOR A VENDING MACHINE
Clement C. J. Thelander, Chicago, Ill., assignor to National Vendors, Inc., St. Louis, Mo., a corporation of Missouri
Application June 30, 1941, Serial No. 101,810
Term of patent 7 years



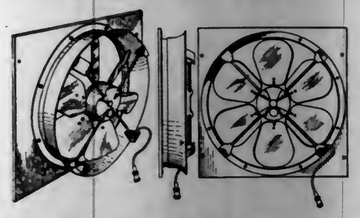
The ornamental design for a vending machine, substantially as shown.

129,934
DESIGN FOR A PORTABLE BUILDING
Arthur H. Valentine, Wichita, Kans.
Application September 3, 1940, Serial No. 94,775
Term of patent 7 years



The ornamental design for a portable building, as shown and described.

129,935
DESIGN FOR A VENTILATING FAN
Arthur F. Wilcoxson, Springfield, Ohio, assignor to Robbins & Myers, Inc., Springfield, Ohio, a corporation of Ohio
Application July 31, 1940, Serial No. 94,061
Term of patent 14 years



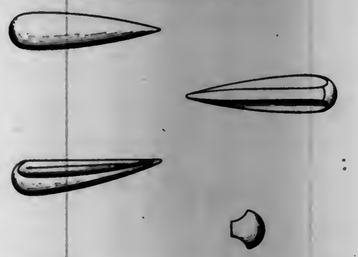
The ornamental design for a ventilating fan, substantially as shown.

129,936
DESIGN FOR A DISPLAY CASE
Paul G. Williams, Grand Rapids, Mich., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich., a corporation of Michigan
Application June 19, 1941, Serial No. 101,559
Term of patent 7 years



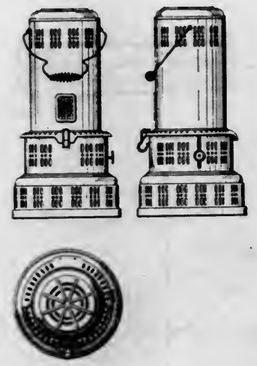
The ornamental design for a display case, as shown.

129,937
DESIGN FOR A DRAWER PULL
Philip K. Wrigley, Chicago, Ill.
Application February 21, 1941, Serial No. 99,152
Term of patent 3½ years



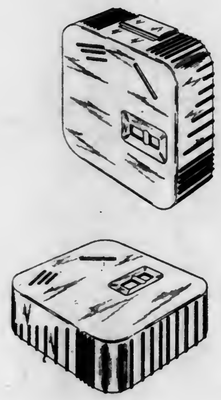
The ornamental design for a drawer pull, substantially as shown.

129,938
DESIGN FOR A HEATING STOVE
Charles J. Kessler, Cleveland Heights, Ohio, assignor to Perfection Stove Company, Cleveland, Ohio, a corporation of Ohio
Application August 7, 1941, Serial No. 102,715
Term of patent 14 years



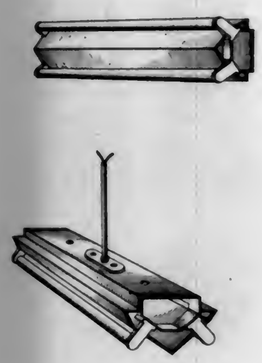
The ornamental design for a heating stove, as shown and described.

129,939
DESIGN FOR A COIN ACTUATED CALENDAR BANK
George T. Kodama, Milwaukee, Wis., assignor, by direct and mesne assignments, to John E. Gaulke, Milwaukee, Wis.
Application August 22, 1940, Serial No. 94,552
Term of patent 7 years



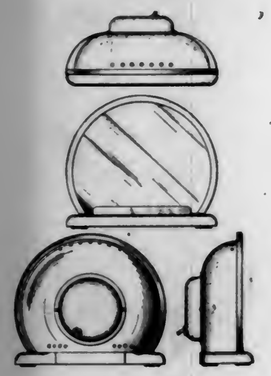
The ornamental design for a coin actuated calendar bank, substantially as shown.

129,940
DESIGN FOR A FLUORESCENT LAMP FIXTURE
Charles F. MacCarthy, Salem, Mass., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application February 27, 1940, Serial No. 90,552
Term of patent 14 years



The ornamental design for a fluorescent lamp fixture, as shown.

129,941
DESIGN FOR AN ILLUMINABLE ADVERTISING SIGN
Lewis E. Peters, Chicago, Ill., assignor to Raymond M. Price, Chicago, Ill., doing business under the name of Raymond M. Price and Associates
Application June 17, 1941, Serial No. 101,487
Term of patent 3½ years



The ornamental design for an illuminable advertising sign, substantially as shown.

129,942
DESIGN FOR A LIPSTICK CONTAINER
William B. Petzold, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application May 21, 1941, Serial No. 101,061
Term of patent 14 years



The ornamental design for a lipstick container, as shown and described.

129,943
DESIGN FOR A LIPSTICK CONTAINER
William B. Petzold, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application May 21, 1941, Serial No. 101,065
Term of patent 14 years



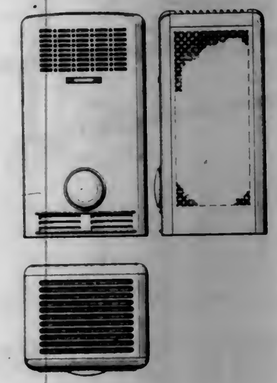
The ornamental design for a lipstick container, as shown and described.

129,944
DESIGN FOR A LIPSTICK CONTAINER
William B. Petzold, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application May 21, 1941, Serial No. 101,071
Term of patent 14 years



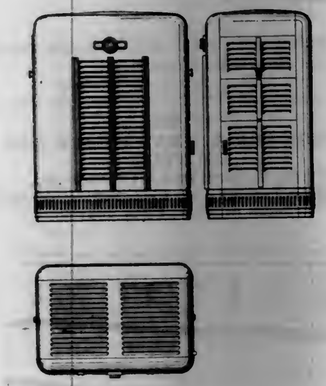
The ornamental design for a lipstick container, as shown and described.

129,945
DESIGN FOR A HEATING STOVE
Karl W. Rausch, Cleveland Heights, Ohio, assignor to Perfection Stove Company, Cleveland, Ohio, a corporation of Ohio
Application August 7, 1941, Serial No. 102,718
Term of patent 14 years



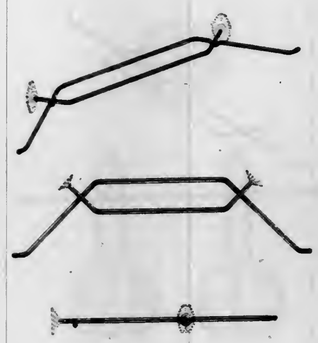
The ornamental design for a heating stove, as shown and described.

129,946
DESIGN FOR A HEATING STOVE
Marc Resek, Cleveland Heights, Ohio, assignor to Perfection Stove Company, Cleveland, Ohio, a corporation of Ohio
Application August 18, 1941, Serial No. 102,908
Term of patent 14 years



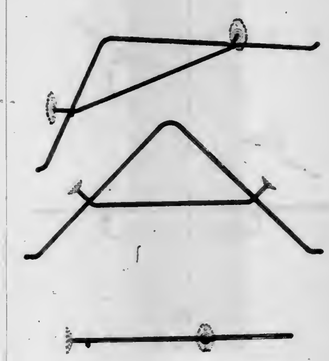
The ornamental design for a heating stove, as shown and described.

129,947
DESIGN FOR A TOWEL RACK
Roy S. Sanford, Oakville, Conn., assignor to The Autoyre Company, Incorporated, Oakville, Conn., a corporation of Connecticut
Application August 1, 1941, Serial No. 102,624
Term of patent 14 years



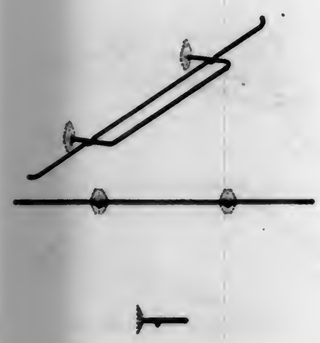
The ornamental design for a towel rack, substantially as shown.

129,948
DESIGN FOR A TOWEL RACK
Roy S. Sanford, Oakville, Conn., assignor to The Autoyre Company, Incorporated, Oakville, Conn., a corporation of Connecticut
Application August 1, 1941, Serial No. 102,625
Term of patent 14 years



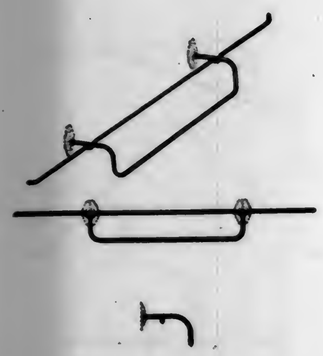
The ornamental design for a towel rack, substantially as shown.

129,949
DESIGN FOR A TOWEL RACK
Roy S. Sanford, Oakville, Conn., assignor to The Autoyre Company, Incorporated, Oakville, Conn., a corporation of Connecticut
Application August 1, 1941, Serial No. 102,626
Term of patent 14 years



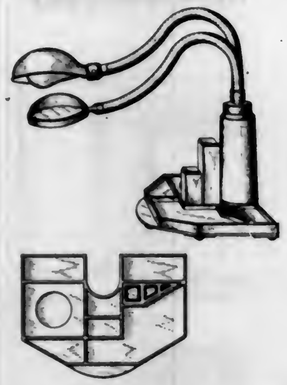
The ornamental design for a towel rack, substantially as shown and described.

129,950
DESIGN FOR A TOWEL RACK
Roy S. Sanford, Oakville, Conn., assignor to The Autoyre Company, Incorporated, Oakville, Conn., a corporation of Connecticut
Application August 1, 1941, Serial No. 102,627
Term of patent 7 years



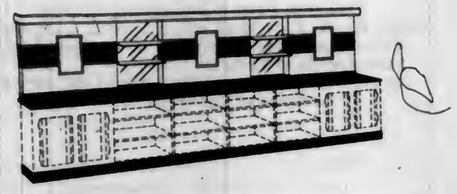
The ornamental design for a towel rack, substantially as shown.

129,951
DESIGN FOR A COMBINED MANICURE STAND AND LAMP
Ezio Scateni, Chicago, Ill.
Application August 6, 1941, Serial No. 102,712
Term of patent 3½ years



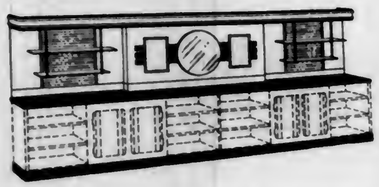
The ornamental design for a combined manicure stand and lamp, substantially as shown.

129,952
DESIGN FOR A SERVICE BACK BAR COUNTER
Myron E. Steczynski, Chicago, Ill.
Application January 30, 1941, Serial No. 98,560
Term of patent 3½ years



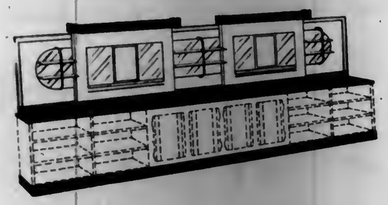
The ornamental design for a service back bar counter, as shown and described.

129,953
DESIGN FOR A SERVICE BACK BAR COUNTER
Myron E. Steczynski, Chicago, Ill.
Application January 30, 1941, Serial No. 98,561
Term of patent 3½ years



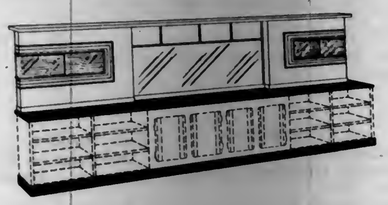
The ornamental design for a service back bar counter, as shown and described.

129,954
DESIGN FOR A SERVICE BACK BAR COUNTER
Myron E. Steczynski, Chicago, Ill.
Application January 30, 1941, Serial No. 98,562
Term of patent 3½ years



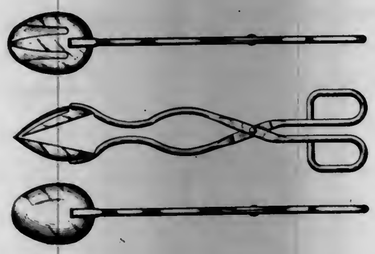
The ornamental design for a service back bar counter, as shown and described.

129,955
DESIGN FOR A SERVICE BACK BAR COUNTER
Myron E. Steczynski, Chicago, Ill.
Application January 30, 1941, Serial No. 98,563
Term of patent 3½ years



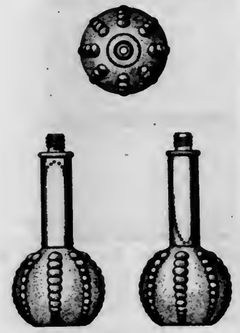
The ornamental design for a service back bar counter, as shown and described.

129,956
DESIGN FOR A SERVING TONGS OR SIMILAR ARTICLE
Rudolph Bernhardt, Chicago, Ill.
Application February 27, 1941, Serial No. 99,256
Term of patent 3½ years



The ornamental design for a serving tongs or similar article, as shown.

129,957
DESIGN FOR A COLOGNE BOTTLE OR SIMILAR ARTICLE
John D. Buckingham, Chicago, Ill., assignor to Lucien Lelong, Inc., Chicago, Ill., a corporation of Illinois
Application July 21, 1941, Serial No. 102,330
Term of patent 14 years



The ornamental design for a cologne bottle or similar article, as shown

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129,958
DESIGN FOR A TEXTILE FABRIC
Marcel Christen, New York, N. Y.
Application September 17, 1941, Serial No. 103,386
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

129,959
DESIGN FOR A TEXTILE FABRIC
Marcel Christen, New York, N. Y.
Application September 17, 1941, Serial No. 103,387
Term of patent 3½ years



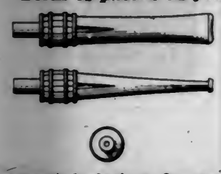
The ornamental design for a textile fabric, substantially as shown.

129,960
DESIGN FOR A ROUGE BOX
Philip A. Derham and Jesse H. Newport, Jr., Rosemont, Pa., assignors to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application August 15, 1941, Serial No. 102,852
Term of patent 7 years



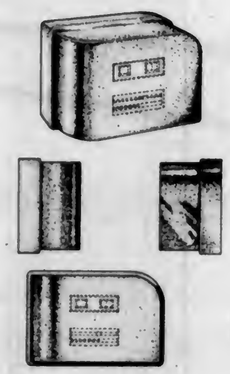
The ornamental design for a rouge box, substantially as shown.

129,961
DESIGN FOR A PIPE BIT
Chester C. Doty, Silver Creek, N. Y.
Application August 19, 1941, Serial No. 102,950
Term of patent 14 years



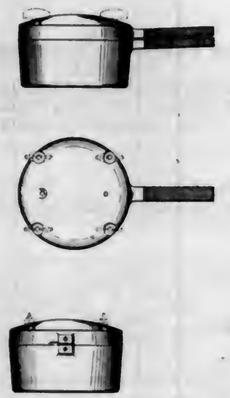
The ornamental design for a pipe bit, substantially as shown and described.

129,962
DESIGN FOR A CONTROL INSTRUMENT CASING
Henry Dreyfuss, New York, N. Y., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application January 9, 1941, Serial No. 97,911
Term of patent 14 years



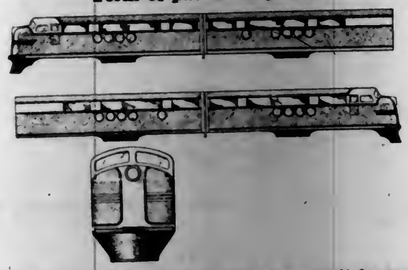
The ornamental design for a control instrument casing, substantially as shown and described.

129,963
DESIGN FOR A COOKING VESSEL
William Eck, Manitowoc, Wis., assignor to Wisconsin Aluminum Foundry Co., Inc., Manitowoc, Wis.
Application January 17, 1941, Serial No. 98,153
Term of patent 14 years



The ornamental design for a cooking vessel, as shown.

129,964
DESIGN FOR A TWO-UNIT LOCOMOTIVE BODY
Harold L. Hamilton, Los Altos, Calif., and William D. Otter, Oak Park, Ill., and Paul A. Meyer, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 10, 1941, Serial No. 98,876
Term of patent 14 years



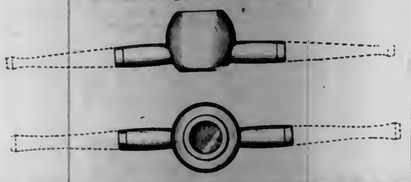
The ornamental design for a two-unit locomotive body, substantially as shown and described.

129,965
DESIGN FOR A MEDAL
Frank H. Irelan, Dayton, Ohio
Application June 23, 1941, Serial No. 101,628
Term of patent 3½ years



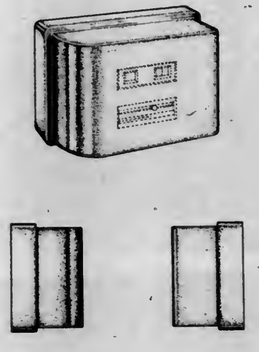
The ornamental design for a medal, as shown.

129,966
DESIGN FOR A SMOKING PIPE AND THE LIKE
Joseph J. Kolar, Wheaton, Ill., assignor to Irving H. Fishlove, Chicago, Ill.
Application August 23, 1941, Serial No. 103,002
Term of patent 7 years



The ornamental design for a smoking pipe and the like, as shown and described.

129,967
DESIGN FOR A CONTROL INSTRUMENT CASING
Frank B. Lambert, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application January 9, 1941, Serial No. 97,913
Term of patent 14 years



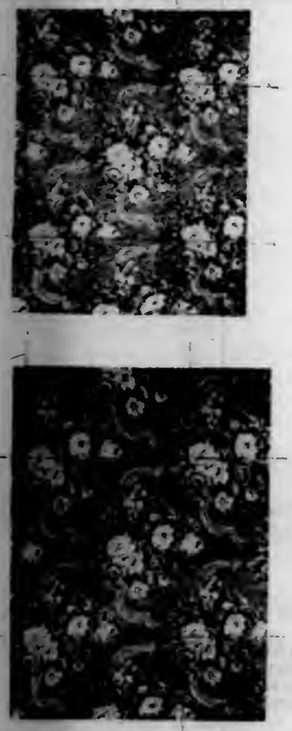
The ornamental design for a control instrument casing, substantially as shown and described.

129,968
DESIGN FOR A BOTTLE OR SIMILAR CONTAINER
Grace Chess Robinson, New York, N. Y., assignor to Mary Chess, Inc., New York, N. Y., a corporation of New York
Application June 17, 1941, Serial No. 101,493
Term of patent 14 years



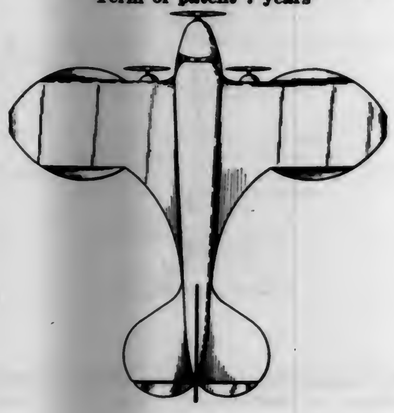
The ornamental design for a bottle or similar container, as shown.

129,969
DESIGN FOR A STRETCHABLE TEXTILE FABRIC
William J. Roche, New York, N. Y.
Application September 19, 1941, Serial No. 103,423
Term of patent 3½ years

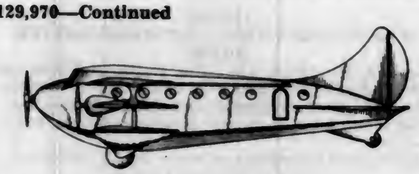


The ornamental design for a stretchable textile fabric, substantially as shown and described.

129,970
DESIGN FOR AN AIRPLANE
Michael J. Wensow, Chicago, Ill.
Application April 3, 1941, Serial No. 100,120
Term of patent 7 years



129,970—Continued





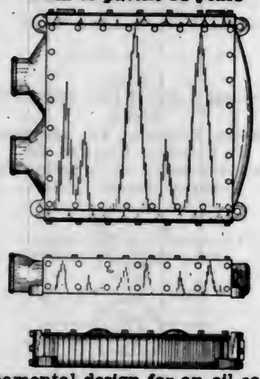
The ornamental design for an airplane, as shown.

129,971
DESIGN FOR A MERCHANDISE DISPENSING CARTON
Marshall I. Williamson, New York, N. Y., assignor to Lightfoot Schultz Company, New York, N. Y., a corporation of New York
Application April 16, 1941, Serial No. 100,420
Term of patent 14 years



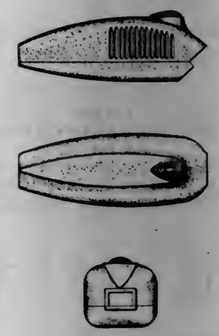
The ornamental design for a merchandise dispensing carton, as shown.

129,972
DESIGN FOR AN OIL COOLING UNIT
Fred M. Young, Racine, Wis.
Application February 7, 1940, Serial No. 90,081
Term of patent 14 years



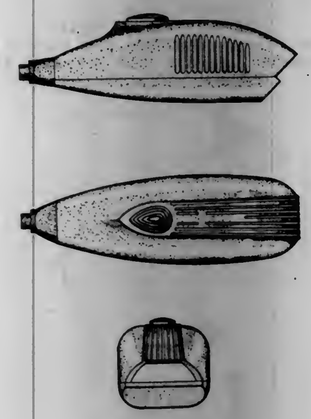
The ornamental design for an oil cooling unit, as shown and described.

129,973
DESIGN FOR A HAIR CLIPPER CASING
Mathew Andis, Racine, Wis.
Application July 19, 1941, Serial No. 102,302
Term of patent 14 years



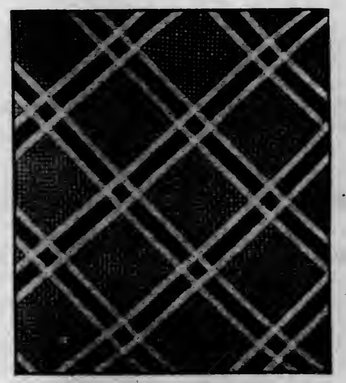
The ornamental design for a hair clipper casing, as shown.

129,974
DESIGN FOR A HAIR CLIPPER CASING
Mathew Andis, Racine, Wis.
Application September 2, 1941, Serial No. 103,131
Term of patent 14 years



The ornamental design for a hair clipper casing, as shown.

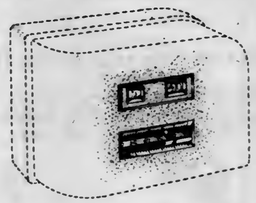
129,975
DESIGN FOR A TEXTILE FABRIC
Marcel Christen, New York, N. Y.
Application September 12, 1941, Serial No. 103,309
Term of patent 3½ years





The ornamental design for a textile fabric, substantially as shown, and described.

129,976
DESIGN FOR A CONTROL INSTRUMENT CASING
Henry Dreyfuss, New York, N. Y., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application January 9, 1941, Serial No. 97,912
Term of patent 14 years



The ornamental design for a control instrument casing, substantially as shown and described.

129,977
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application September 10, 1941, Serial No. 103,275
Term of patent 3½ years



The ornamental design for an earring or similar article, substantially as shown.

129,978
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application September 10, 1941, Serial No. 103,276
Term of patent 3½ years



The ornamental design for an earring or similar article, substantially as shown.

129,979
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application September 10, 1941, Serial No. 103,277
Term of patent 3½ years



The ornamental design for an earring or similar article, substantially as shown.

129,980
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application September 10, 1941, Serial No. 103,278
Term of patent 3½ years



The ornamental design for an earring or similar article, substantially as shown.

129,981
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application September 10, 1941, Serial No. 103,279
Term of patent 3½ years



The ornamental design for an earring or similar article, substantially as shown.

129,982
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application September 10, 1941, Serial No. 103,280
Term of patent 3½ years



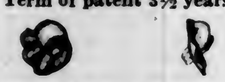
The ornamental design for an earring or similar article, substantially as shown.

129,983
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application September 10, 1941, Serial No. 103,281
Term of patent 3½ years



The ornamental design for an earring or similar article, substantially as shown.

129,984
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application September 10, 1941, Serial No. 103,282
Term of patent 3½ years



The ornamental design for an earring or similar article, substantially as shown.

129,985
DESIGN FOR A SHOE
Harry Le Roy Sutcliffe, New York, N. Y.
Application August 8, 1941, Serial No. 102,737
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown.

129,986
DESIGN FOR A DRESS
Julia Vallée, New York, N. Y.
Application September 6, 1941, Serial No. 103,190
Term of patent 3½ years



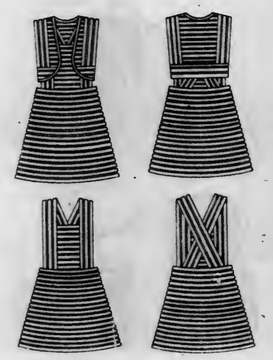
The ornamental design for a dress, substantially as shown.

129,987
DESIGN FOR A DRESS
Joset Walker, New York, N. Y.
Application September 20, 1941, Serial No. 103,424
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,988
DESIGN FOR A DRESS ENSEMBLE
Laura Arver, Aurora, Ill.
Application January 21, 1941, Serial No. 98,225
Term of patent 14 years



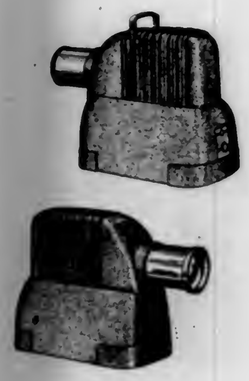
The ornamental design for a dress ensemble, substantially as shown.

129,989
DESIGN FOR A DRESS
Ben Axelrad, New York, N. Y.
Application September 11, 1941, Serial No. 103,286
Term of patent 3½ years



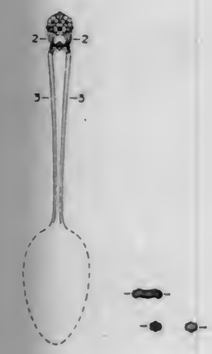
The ornamental design for a dress, substantially as shown and described.

129,990
DESIGN FOR A PROJECTOR
Theodore G. Clement, Rochester, N. Y.
Application August 23, 1941, Serial No. 102,996
Term of patent 14 years



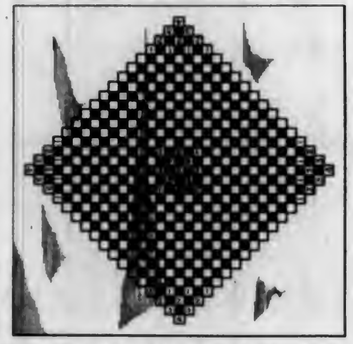
The ornamental design for a projector, as shown.

129,991
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
Edward J. Conroy, Meriden, Conn., assignor to International Silver Company, Meriden, Conn., a corporation of New Jersey
Application May 8, 1941, Serial No. 100,845
Term of patent 14 years



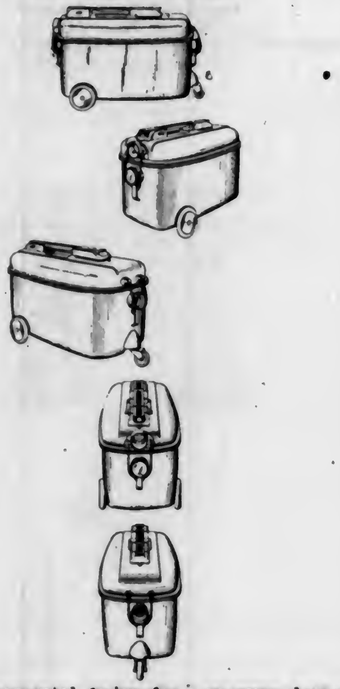
The ornamental design for a spoon or other article of flatware, substantially as shown and described.

129,992
DESIGN FOR A GAME BOARD
Frank H. Dean, Stockton, Calif., assignor of sixteen and one-third per cent to A. A. Cree, sixteen and one-third per cent to H. J. Goff, and sixteen and one-third per cent to E. O. Setzer, all of Stockton, Calif.
Application May 6, 1940, Serial No. 92,184
Term of patent 7 years



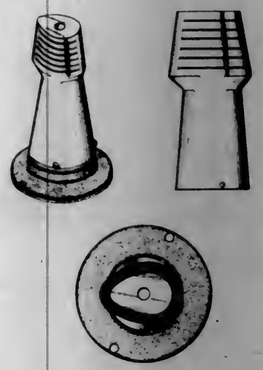
The ornamental design for a game board, as shown and described.

129,993
DESIGN FOR A VACUUM CLEANER
Axel Albert Forsberg, Stora Essingen, Sweden
Application September 5, 1941, Serial No. 103,175
Term of patent 14 years



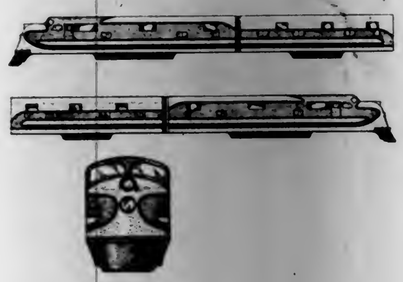
The ornamental design for a vacuum cleaner, as shown.

129,994
DESIGN FOR AN ELECTRIC RIM STRETCHER FOR SPECTACLE FRAMES
Julian Gorski, Brooklyn, N. Y.
Application May 22, 1941, Serial No. 101,090
Term of patent 3½ years



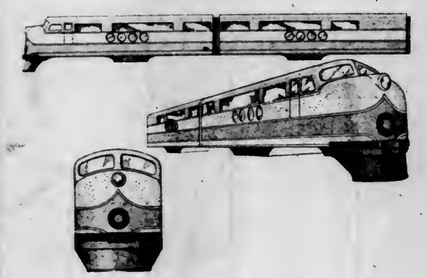
The ornamental design for an electric rim stretcher for spectacle frames, substantially as shown and described.

129,995
DESIGN FOR A TWO-UNIT LOCOMOTIVE BODY
Harold L. Hamilton, Los Altos, Calif., William D. Otter, Oak Park, Ill., and Paul A. Meyer, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 14, 1941, Serial No. 99,006
Term of patent 14 years



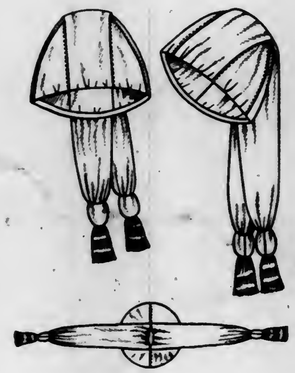
The ornamental design for a two-unit locomotive body, substantially as shown and described.

129,996
DESIGN FOR A TWO-UNIT LOCOMOTIVE BODY
Harold L. Hamilton, Los Altos, Calif., William D. Otter, Oak Park, Ill., and Paul A. Meyer, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 17, 1941, Serial No. 99,646
Term of patent 14 years



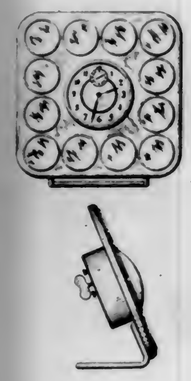
The ornamental design for a two-unit locomotive body, substantially as shown and described.

129,997
DESIGN FOR A HAT OR SIMILAR ARTICLE
Rose Jacobson, New York, N. Y.
Application July 11, 1941, Serial No. 102,023
Term of patent 3½ years



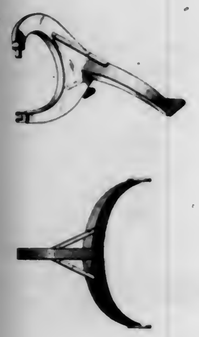
The ornamental design for a hat or similar article, substantially as shown.

129,998
DESIGN FOR A COMBINED DISPLAY FRAME AND CLOCK
Paul H. Lamothe, Jersey City, N. J.
Application January 4, 1941, Serial No. 97,816
Term of patent 7 years



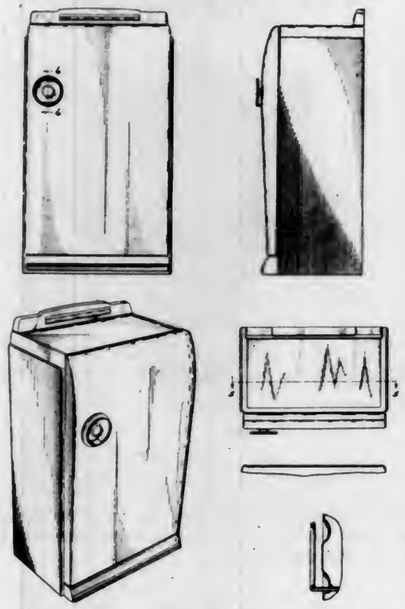
The ornamental design for a combined display frame and clock, as shown.

129,999
DESIGN FOR A CONNECTING YOKE FOR TRACTOR AND TRAILER
Robert G. Le Tourneau, Peoria, Ill., assignor to R. G. Le Tourneau, Inc., a corporation
Application August 8, 1941, Serial No. 102,742
Term of patent 14 years



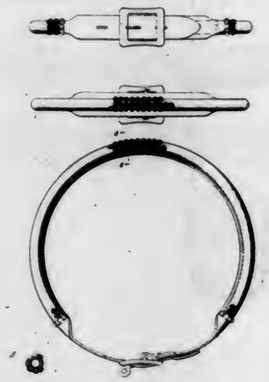
The ornamental design for a connecting yoke for tractor and trailer, as shown.

130,000
DESIGN FOR A REFRIGERATOR CABINET
Raymond Loewy, New York, N. Y., assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application July 17, 1941, Serial No. 102,205
Term of patent 14 years



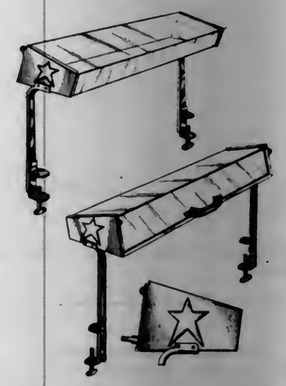
The ornamental design for a refrigerator cabinet, as shown.

130,001
DESIGN FOR A DOG COLLAR OR SIMILAR ARTICLE
Gilbert L. Morris, Cleveland, Ohio
Application February 3, 1939, Serial No. 82,770
Term of patent 3½ years



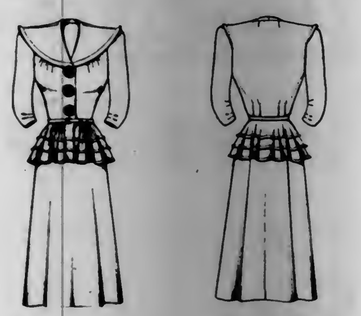
The ornamental design for a dog collar or similar article, as shown and described.

130,002
DESIGN FOR A DISPLAY CASE
Benjamin M. Oswell, Los Angeles, Calif.
Application October 16, 1939, Serial No. 87,679
Term of patent 14 years



The ornamental design for a display case, as shown.

130,003
DESIGN FOR A DRESS
Abe Gershuny, New York, N. Y.
Application September 27, 1941, Serial No. 103,535
Term of patent 3½ years



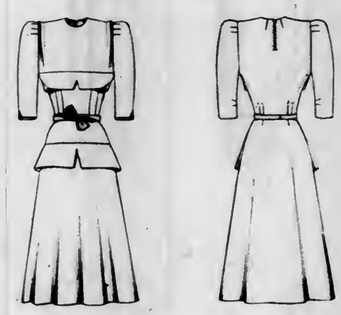
The ornamental design for a dress, substantially as shown.

130,004
DESIGN FOR A DRESS
Bernard Hurwitz, New York, N. Y.
Application September 19, 1941, Serial No. 103,415
Term of patent 3½ years



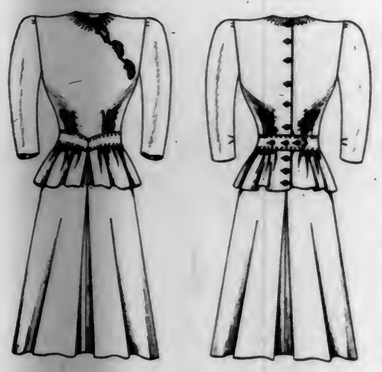
The ornamental design for a dress, substantially as shown.

130,005
DESIGN FOR A DRESS
Philip Kaperst, New York, N. Y.
Application September 27, 1941, Serial No. 103,534
Term of patent 3½ years



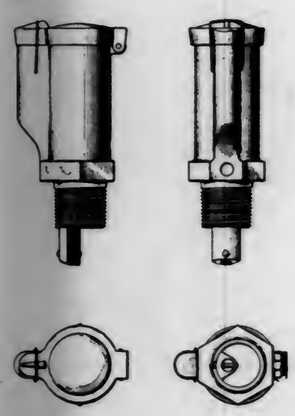
The ornamental design for a dress, substantially as shown.

130,006
DESIGN FOR A DRESS
Marion McCoy, St. Louis, Mo.
Application September 25, 1941, Serial No. 103,471
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

130,007
DESIGN FOR A COMBINATION FILLER AND VALVE FOR GASOLINE TANKS OR THE LIKE
Fred T. Ranney, Minneapolis, Minn.
Application February 15, 1941, Serial No. 99,013
Term of patent 3½ years



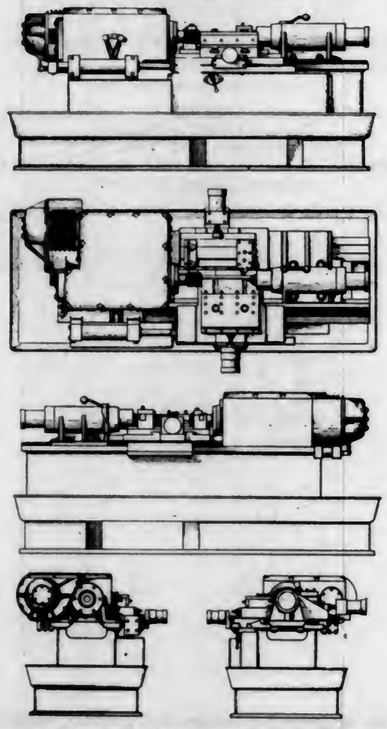
The ornamental design for a combination filler and valve for gasoline tanks or the like, as shown.

130,008
DESIGN FOR A DRESS
Frieda B. Saloff, New York, N. Y.
Application September 27, 1941, Serial No. 103,533
Term of patent 3½ years



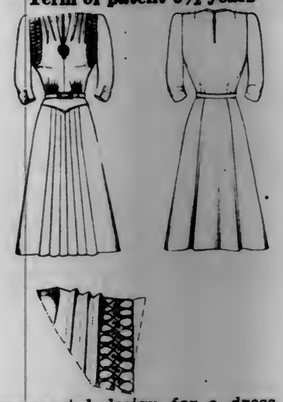
The ornamental design for a dress, substantially as shown.

130,009
DESIGN FOR A LATHE
Stanley W. Sparks, Norwalk, Conn., assignor to The Sparks Machine Tool Corporation, Norwalk, Conn., a corporation of Connecticut
Application July 2, 1941, Serial No. 101,857
Term of patent 14 years



The ornamental design for a lathe, as shown.

130,010
DESIGN FOR A DRESS
Malvina Wolff, New York, N. Y.
Application September 27, 1941, Serial No. 103,536
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

130,011
DESIGN FOR A DRESS
Malvina Wolff, New York, N. Y.
Application September 27, 1941, Serial No. 103,537
Term of patent 3½ years

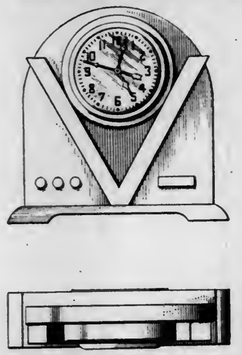


130,011—Continued



The ornamental design for a dress, substantially as shown.

130,012
DESIGN FOR A CLOCK
Joseph F. Punzak, Brooklyn, N. Y., assignor to United Metal Goods Manufacturing Co., Inc., Brooklyn, N. Y., a corporation of New York
Application August 29, 1941, Serial No. 103,084
Term of patent 3½ years



The ornamental design for a clock, as shown.

Patents Nos. 2,259,434 to 2,260,279

THE

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OF THE

United States Patent Office

Vol. 531—No. 3 TUESDAY, OCTOBER 21, 1941 Price—$16 per year

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October 21, 1941

Trade-marks	105	No. 391,031 to No. 391,135, inclusive.
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Reissues	6	No. 21,926 to No. 21,931, inclusive.
Patents	846	No. 2,259,434 to No. 2,260,279, inclusive.
Designs	100	No. 130,013 to No. 130,112, inclusive.
Total	1,119	

Notice

In accordance with the provisions of rule 17 of the Rules of Practice in the United States Patent Office, an examination for the registration of attorneys and agents to practice before the United States Patent Office will be held on Wednesday, December 10, 1941.

This examination may be taken in any of the large cities of the country and will be given under the direction of the Civil Service Commission. Applications to take the examination should be made to the Commissioner of Patents and such applications must be received in the Patent Office not later than November 26, 1941.

Application blanks may be obtained from the Chief Clerk of the Patent Office.

HENRY VAN ARSDALE,
Chairman of the Committee on Enrollment and Disbarment.

Title 32—National Defense

CHAPTER VIII—EXPORT CONTROL

SUBCHAPTER C—ADMINISTRATOR OF EXPORT CONTROL

EXPORT CONTROL SCHEDULE B

By virtue of the Military Order of July 2, 1940, and Executive Order No. 8713 of March 15, 1941, I, Russell L. Maxwell, Administrator of Export Control, have determined that effective September 20, 1941, the articles and materials designated in Proclamation No. 2465 of March 4, 1941, issued pursuant to section 6 of the Act of July 2, 1940 (54 Stat. 714, 50 U. S. C. A. Supp., Sec. 99), shall not include: Any application for patent or for the registration of a utility model, industrial design or model in respect of any invention made in the United States, for which a license is required from the Commissioner of Patents under the authority of Public Law 239, 77th Congress, c. 393, 1st Sess., approved August 21, 1941.

By direction of the President.

R. L. MAXWELL,
Administrator of Export Control.

Regulations for Filing Applications for Patents and Amendments in Foreign Countries Under Public 239 of the 77th Congress

1. *Petition for license.* Licenses will be issued on petition addressed to the Commissioner of Patents. One petition completely filled out in duplicate must be filed for each application and for each amendment to be filed in each foreign country. Petitions must be filed on forms DL1 (applications) and DL2 (amendments), except that applications for licenses made on A. E. C. Form No. 16, filed and completed in the Office of the Administrator of Export Control before September 20, 1941, and not granted or denied by the Administrator will be considered by the Commissioner of Patents.

2. *Definitions.* The term "application," as used in these regulations, includes applications, and any modifications, amendments, or supplements thereto or continuances thereof, and in the petition for license, includes the usual application for patent or for the registration of a utility model, industrial design, or model, or for a patent of addition, and also includes each and every communication, drawing, document, or paper containing technical information, whether or not in the English language, which shall furnish in whole or in part the basis of any such application or which shall assist, cause or authorize the filing of such an application in any foreign country. The term "amendment," as used in the petition for license, is used in its usual sense and also includes each and every communication, document, or paper which relates to any foreign application for patent, or for the registration of a utility model, industrial design, or model, and contains any technical data or information whether or not in the English language which upon translation, if necessary, or other modification is intended to be used as an amendment or as a basis for preparing an amendment, argumentative letter or supplement of any kind to such foreign application already filed. If the supplement is in the form of an application, such, for example, as an application of addition to a foreign patent or

(Continued on page 548)

Condition of Applications Under Examination at Close of Business October 4, 1941

(Total number of applications awaiting action, excluding Trade-Mark Division, 44,836; Trade-Mark Division, 1,208. Oldest new case, Jan. 7, 1941; oldest amended, Jan. 8, 1941.)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Feb. 28	Feb. 26	757
6706	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	May 7	Apr. 28	548
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	July 16	July 17	494
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating, Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	June 20	June 11	560
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	May 14	May 9	521
4898 O	6. LEWERS, A. M., Carbon Chemistry (part)	Mar. 5	Mar. 15	1,119
5725	7. JARBOE, C. G., Optics; Photography	Apr. 7	Apr. 7	1,095
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	Apr. 8	Apr. 5	879
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Apr. 25	Apr. 25	537
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Apr. 2	Apr. 2	589
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	June 12	June 7	386
7701	12. SPINTMAN, SAMUEL (Act.), Machine Elements; Mechanical Starters; Stop Mechanisms	May 7	May 6	627
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Feb. 10	Feb. 17	60
5097	14. FREEHOF, H. B. (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	June 13	June 10	491
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Apr. 3	Apr. 2	1,176
5716	16. SPENCER, C. J., Telegraphy; Telephony	May 14	May 28	515
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	May 20	May 20	678
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Apr. 25	Apr. 19	412
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Apr. 22	Apr. 22	782
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Apr. 14	Apr. 21	477
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	June 10	June 17	295
5660	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	Jan. 13	Jan. 14	1,385
7624	23. BUTTNER, W. J., Registers (part)	Mar. 14	Feb. 10	255
5063	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Apr. 17	May 28	836
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	June 1	May 17	560
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	June 5	June 3	404
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	May 9	Apr. 16	547
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Elements; Cylinders and Pistons	June 7	May 20	342
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	Apr. 7	Apr. 9	803
4083	30. McCANN, L. P., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	June 9	June 6	396
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Apr. 14	Apr. 14	1,455
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Apr. 10	Apr. 17	918
6096	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads.	Apr. 21	Apr. 16	1,066
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals, Surface Track; Track Sanders; Draft Appliances; Signals and Indicators.	Mar. 4	Mar. 4	484
3876	35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Portable Receptacles	Mar. 26	Mar. 8	1,024
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Apr. 29	Apr. 29	544
5856 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	May 26	May 21	548
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Jan. 7	Jan. 8	799
4878	39. WHITNEY, F. L., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	June 17	June 18	478
7890	40. DRUMMOND, E. J., Metallic, Wood, Paper, and Special Receptacles	Mar. 20	Mar. 20	1,760
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	May 5	May 5	532
5882	42. CUTTING, H. O., Electric Signaling	June 4	June 5	331
4886 B	43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	May 6	May 6	643
4087 B	44. HARVEY, L. P., Refrigeration	Apr. 14	Apr. 11	553
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	July 11	June 28	277
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Apr. 1	Apr. 10	818
6082	47. KANOF, W. J., Clutches; Brakes	May 21	Apr. 30	387
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	May 31	May 31	550
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Apr. 9	Apr. 1	741
4701	50. LEVIN, S., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	Apr. 4	Apr. 4	1,261
5628	51. BACKUS, C. D., Radiant Energy (part)	July 18	July 17	395
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	May 19	May 21	623
6907	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Mar. 4	Mar. 1	727
5883	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	June 23	May 31	346
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	May 16	May 12	336
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	Mar. 5	Mar. 5	1,268
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	Feb. 14	June 14	185
6605	58. DOWELL, E. F., Abrading; Bottles and Jars	Apr. 7	Apr. 1	527
4709	59. SHEPPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	Apr. 7	Apr. 9	1,107
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	May 8	June 17	447
6724	61. YUNGKWAI, B., Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Mar. 14	Mar. 18	668
5621	62. PUGH, E. C., Games; Geometrical Instruments	June 13	June 11	613
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	Mar. 8	Mar. 12	1,136
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	Jan. 10	Jan. 27	1,208
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	June 12	July 1	487
2099 B	Trade-Marks: F. A. RICHMOND	Aug. 15	Aug. 29	1,208
260	Designs: H. H. KALUPY	Aug. 25	Sept. 13	521

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

VIETTI ET AL.

v.

DOW ET AL.

No. 4,466. Decided June 9, 1941. Petition for Rehearing denied July 3, 1941

[120 F.(2d) 360]

1. INTERFERENCE—CONSTRUCTION OF COUNTS—PATENTABILITY.

"In this court it is settled law that if the Board of Appeals in cases like that at bar construes the counts broadly and holds that when so construed the claims corresponding to the counts were not anticipated by the prior art, we will be bound by that holding and adopt such broad construction in our passing upon the issue."

2. SAME—PRIORITY—RIGHT TO MAKE COUNTS.

Record reviewed and *Held* that D and G, the senior party, have the right to make the claims copied from the patent of the junior party, V and G, and forming the issue of the interference, and that priority properly was awarded to D and G.

APPEAL from Patent Office. Affirmed.

Mr. R. J. Dearborn (*Mr. Daniel Stryker* and *Mr. William P. Epperson* of counsel) for Vietti et al.

Mr. Clarence B. Zewadski for Dow et al.

BLAND, *J.*:

Appellants have here appealed from the decision of the Board of Appeals of the United States Patent Office which reversed the decision of the Examiner of Interferences awarding priority of invention in the three counts involved to appellants, the junior party. The senior party, appellees, copied the three claims corresponding to the counts here involved from the inadvertently issued patent of appellants. No question of seniority is involved, and the only question presented is the right of the senior party, appellees, to make the claims corresponding to the counts at bar, all other issues of priority being dependent upon the decision on the right to make the claims.

The counts read as follows:

1. The method of treating an oil well to increase the proportion of oil and decrease the proportion of water produced therefrom, which comprises depositing in a water wet sand adjacent the well a chemical precipitate which acts to render the sand less permeable to water without substantially retarding the flow of oil to the well.

2. The method of treating an oil well, which comprises forcing into the well and into a water wet sand adjacent the well a solution of a precipitatable chemical compound, and reacting the chemical compound in situ within the sand to effect a precipitation of the reaction product within the sand to render the latter less permeable to water without substantially retarding the flow of oil to the well.

3. The method of treating an oil well to increase the proportion of oil and decrease the proportion of water produced therefrom, which comprises forcing into the well and into a water wet sand adjacent the well a solution of a chemical compound which reacts upon contact with the water and metal salts present in the sand to cause a precipitation of a reaction product within the sand to render the latter less permeable to water without substantially retarding the flow of oil to the well.

In appellants' brief the following is stated:

The invention of the Vietti and Garrison patent • • • is directed to "the treatment of an oil well, and more particularly to the chemical treatment of the sand adjacent a producing well in order to render the sand more permeable to oil and less permeable to water" • • •.

The particular treatment disclosed in the patent consists in depositing on the surface of the sand grains a precipitate or coating to change the physical characteristics of the surface of the sand grains so that they become preferentially wet by oil rather than by water. • • •

It is well understood that in the production of oil, it is a common occurrence to find brine produced along with the oil and that sometimes the amount of brine far exceeds the amount of oil. The object of the invention here involved is to decrease the amount of the water and to increase the amount of the oil. It has long been known that oil wells might be treated with acid with beneficial results, the acid eating away the rocky structure in the oil-bearing stratum, thus furnishing more opportunity for the escape of the oil. By the same token, additional water is frequently thereby released. Moreover, it sometimes occurs that the veins of water coming into the well are separate and apart from the stratum from which the oil flows. It was an old expedient to cement or block off the separate veins of water, but this did not solve the problem of retarding the flow of water and increasing the flow of oil where both came from the same stratum.

The appellees treat oil-bearing wells by first inserting a chemical which precipitates or reacts with the brine in such a way as to have a tendency to lessen the amount of water while not decreasing the flow of oil. As a subsequent step, appellees treat the well with acid, which acid treatment is old in the art.

Both parties teach that various ingredients may be used to form a precipitate. An illustration of such is common soap.

Appellants have stressed the fact that their treatment is to use a precipitate to stop the flow of water at any point where it interferes with the oil; that their invention is broad enough to cover inserting the precipitate-forming material in the oil-bearing vein where water is troublesome; and that the precipitate makes the sand less permeable to water and more permeable to oil.

The briefs and arguments of both parties are filled with much theory and speculation concerning what happens in the bottom of a well, and appellants' chief argument is based upon the purpose for which they use the same material as that used by appellees.

The primary Examiner, in response to the action of appellees in copying the three claims involved and requesting an interference, held that unless the claims were given a narrow construction they would read upon the prior art patent to Mills, No. 1,421,706, which taught the use of a material similar to that used by appellees to lessen the water in levels above the oil stratum. Construing the claims

narrowly, he held that appellees could not make them. Appellees took an ex parte appeal to the Board of Appeals, which reversed the decision of the Examiner and held that appellees could make the claims.

The interference was thereupon declared, and within the motion period appellants moved to dissolve on the ground that appellees had no right to make the claims corresponding to the counts. This motion was denied by the Primary Examiner, in view of the aforesaid decision of the Board. Considerable evidence was then introduced by both parties relating to the effect of precipitation in wells and various other theories regarding the production of oil. The Examiner of Interferences, in view of the new matter presented subsequent to the aforesaid decision of the Board, held that appellees had no right to make the claims corresponding to the counts. Appellees appealed to the Board of Appeals from the decision of the Examiner of Interferences so holding, and the Board reversed his decision, held that appellees could make the counts, and awarded them priority of invention therein. The Board discussed and quoted from the said Mills patent and the patent of appellants, discussed the specification of appellees, and held, in effect, that the claims were broad and should be broadly construed, and that when broadly construed they would not be regarded as invalid in view of the said Mills patent.

In this court, appellants argue at great length that the appellees had no conception of the effect of the inserted chemical upon the production of oil from an oil stratum which also contained brine.

It seems clear that appellants base their contention chiefly upon what the parties were attempting to accomplish or understood they were accomplishing rather than what was actually accomplished. It seems obvious that if both parties used the same material in an oil well that produced both oil and brine, both would obtain the same result regardless of what they thought they were obtaining or how it was obtained. Appellants argue in this court that the Board erred in holding that the counts when broadly interpreted distinguished from the disclosure of the said Mills patent. Appellants here take the same position as that taken by the Examiner of Interferences and earnestly urge that the Board erred in its conclusion that the Examiner of Interferences was in error in holding that if the counts were broadly construed they were anticipated by the Mills patent.

[1] In this court it is settled law that if the Board of Appeals in cases like that at bar construes the counts broadly and holds that when so construed the claims corresponding to the counts were not anticipated by the prior art, we will be bound by that holding and adopt such broad construction in our passing upon the issue. *Vickery* v. *Barnhart*, 28 C. C. P. A. (Patents) —, 118 F. (2d) 578, 529 O. G. 245.

We are in agreement with the decision of the Board of Appeals holding that the counts are broad and that when broadly construed are supported by appellees' disclosure.

We are not here concerned with appellees' subsequent treatment with acid. It seems to us that the first steps taken by appellees are bound to bring about results identical with those claimed in appellants' teachings.

There is little, if any, contention here that the parties do not use the same materials under similar circumstances.

We think appellees, in their brief, have stated very succinctly the situation which the record presents. We quote:

> • • • So far as we can see, both parties put a soap in the hole on top of the ground and got some sort of a metal soapy precipitate in the water wet sand adjacent the well bore. Both theorize on the geological formation surrounding the well bore, and on the disposition of the precipitate therein, and have divergent views—but both seem to be doing the same things with factually equivalent materials. We are unable to see why the procedure of the two parties does not necessarily produce similar precipitates and precipitates having similar physical characteristics, specifically a preferential wettability for oil as against water.
>
> As we see it, Vietti and Garrison's chief complaint as to Dow and Grebe's right to make the claim resides in the theory of what occurs at the bottom of the well after each places the soap in the hole at the surface of the ground.

As has been previously stated, the Board held that the counts were broad enough to cover forming in a water wet sand a chemical precipitate which has a tendency to prevent the ready flow of water but not appreciably retard the flow of oil into the well. In the decision of the Board from which this appeal is taken, reference is made to its former decision so holding. In addition the Board, at some length, discusses the Mills patent and holds that when thus broadly construed, the counts distinguish over said patent by reason of the fact that while Mills teaches plugging or cementing off water from the well, there is nothing definite to indicate that his chemical reagents might not also render certain porous strata impermeable or partly impermeable to oil or gas. In its former decision it held that appellees could make the counts, since they disclose the treatment of forcing an ordinary aqueous soap solution into the bearing formation, the soap entering the brine passages and reacting "with the brine to form water-insoluble soap sealing the brine passages" but not becoming precipitated in the absence of brine. This holding is adhered to in the decision from which the instant appeal is taken.

Under the circumstances at bar, the general rule that the counts should be given the broadest construction reasonably consistent with the meaning of the language used applies, and when that interpretation is given to them we find ourselves, for reasons heretofore stated, in agreement with the Board that they read upon appellees' disclosure.

[2] It is agreed in this court that the only issue presented in this appeal is the right of the party Dow and Grebe, appellees, to make the claims corresponding to the counts here in issue. In view of our above-stated conclusion on this question, the decision of the Board of Appeals reversing that of the Examiner of Interferences and awarding priority of invention defined by the counts to the senior party, appellees, is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE WELTER

No. 4,472. Decided June 9, 1941. Petition for Rehearing Denied July 3, 1941

[120 F.(2d) 353]

1. PATENTABILITY—INVENTION.
   "Quite often invention of a high order rests in conceiving and bringing about a new and useful result by the combination of old elements. However, if each of the assembled elements, old in the art, perform the same function in the new combination which they performed in the old devices, the result obtained, although an improved one, could hardly be said to be unexpected."
2. SAME—SAME.
   "The combining of the good features of old art teachings, generally speaking, belongs in the realm of those skilled in the art."
3. SAME—CHECK SIGNING MACHINE.
   Certain claims to a check signing machine *Held* unpatentable in view of the prior art.

APPEAL from Patent Office. Affirmed.

Mr. J. Preston Swecker (*Mr. Russell B. Griffith* of counsel) for Welter.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

BLAND, *J.*:

After allowing a number of claims in appellant's application for a patent on "Improvements in Printing Machines" the Primary Examiner of the United States Patent Office rejected claims 2, 3, 5, 8, 9, and 23. The Examiner's decision was affirmed upon appeal to the Board of Appeals, and from the Board's decision appellant has appealed here. In this court, appellant moved to dismiss the appeal as to claim 23, which motion will be granted. This leaves for consideration claims 2, 3, 5, 8, and 9, of which claim 2 is regarded as illustrative and follows:

> 2. In a check signing machine, the combination with a casing embodying an upper closed section, a base section, and an intervening bed plate, there being a slot between the sections to permit a check to be inserted on the bed plate, of a printing couple comprising a movable platen in one section and a fixed die holder in the other section, said latter section being provided with openings in opposite sides thereof in alignment with and of approximately the proportions of the die holder, a die bearing a longitudinally extending signature type detachably and interchangeably supported by the dieholder to be inserted and removed endwise through one of said openings, a second die also bearing a like signature type detachably and interchangeably supported by the same die holder to be inserted and removed through the other of said openings, and a gauge for positioning the check with its signature line beneath the die in any position of the check.

The references relied upon are: Bohrer et al., 1,787,234, December 30, 1930; Phinney, 1,843,732, February 2, 1932; Woodward et al., 1,909,141, May 16, 1933; Welter, 1,959,186, May 15, 1934; Hoffman, 2,033,936, March 17, 1936.

While the title of the application refers to printing machines, appellant urges that his device is a check signing machine. Appellant's device is quite complicated, requiring many pages of description in the specification and eight pages of drawings. Since the main question, if not the only question, involves applying the law to a statement of facts concerning which there is no substantial disagreement, it will not be necessary to go into great detail in describing the various units which compose the combination, to recite their functions and relation to each other, or to discuss the references relied upon. The claims sufficiently show the various elements which constitute appellant's machine.

We have examined with great care the various references cited and find that the Examiner has correctly stated the nature of the pertinent disclosures in them. Subject to the qualifications hereinafter stated, it is not disputed by appellant that the references disclose each of the elements of the appealed claims in the manner in which the Examiner has stated.

The Examiner rejected the appealed claims on the principal reference Hoffman in view of the disclosures in the other references cited. His discussion of the references and the application thereof to the structure of the appealed claims is so thorough that we deem it unnecessary to make an independent statement of the same subject matter here. Suffice it to say that all the elements of appellant's device, considered separately, are disclosed in the prior art. Indeed, from a reading of appellant's reasons of appeal to this court it would appear that appellant does not claim that there is any novel element involved in any of the appealed claims. While we will not quote at length from the Examiner's opinion, we think the following language found therein is quite pertinent:

> It is considered to involve nothing more than a matter of choice to provide the type in the holders • • • shown by Hoffman with type to print either right side up or upside down. The patents to Welter, Woodward, and Phinney all disclose it to be old to use insertable and removable dies in check printing machines to print signature designations on the checks and no invention is seen in providing the type in the holder • • • shown by Hoffman with signature printing faces if it is desired to use the Hoffman structure for printing on checks. Also it is common to provide such check printing machines with gauges to facilitate the positioning of the check with its printing line beneath the printing dies in any position of the check as shown in the patents to Bohrer and Welter.
>
> Claims 2, 5, 8, and 9 include the use of two signature dies with the applicant's structure but no invention can be seen in using a similar arrangement of insertable dies, provided with suitably arranged printing type, with the structure disclosed in the Hoffman patent.
>
> It is submitted that the final rejection of the above claims on the references of record is proper since the claims fail to include structure distinguishing in a patentable manner over the structure disclosed in the references.

The Board of Appeals did not discuss the references at length, but said:

> Applicant relies on the difference in purpose of his construction to differentiate from Hoffman and the other references and also on the inherent nature of signature type as distinguished from a column of figures type. We see no patentable relation between the interchangeable dies as it is a mere matter of choice which die to use and in so far as the structure of the apparatus is concerned, we agree with the Examiner that such structure is a mere non-inventive aggregative assemblage of prior art devices by mechanical expediency only.
>
> The decision of the Examiner is affirmed.

As before indicated, appellant's reasons of appeal do not challenge the finding of the Board, approving

that of the Examiner, that each of the elements of the counts is disclosed in the prior art cited. The burden of appellant's argument here is that the Board was wrong in affirming the Examiner's rejection on the ground that it would not be inventive in view of the prior art cited to construct appellant's device, and that the Board was in error in holding that the claims defined "a mere non-inventive aggregative assemblage of prior art devices by mechanical expediency only." Appellant stresses the argument that nowhere in the prior art is there disclosed a machine, having the capabilities of bringing about the desired result, such as the one disclosed in his application, and that it required invention to make the combination represented by the device at bar.

Appellant also stresses the fact that his device, unlike any prior art device, has

"multiple interchangeable signature dies mounted in a single die holder and introduced through openings in respective opposite sides of the casing, one of which is capable of a normal signature, and the other, an upside-down signature on the same check, a result that cannot be accomplished in any of the references, either in the structures provided or in any obvious modification thereof."

Appellant further argues that "the conception of the desired result, which is the germ of any invention, was not apprehended by any of the prior patentees."

The claims at bar are structure claims, and the structure must be looked to in determining whether or not invention rested in its production. We are in agreement with the views expressed by the tribunals below that combining the features in the old art, together with such modifications as appellant may have made in the individual features, required the exercise of nothing more than mechanical skill.

[1] It is argued at considerable length that invention often rests in new combinations of old elements. It is very true that quite often invention of a high order rests in conceiving and bringing about a new and useful result by the combination of old elements. However, if each of the assembled elements, old in the art, perform the same function in the new combination which they performed in the old devices, the result obtained, although an improved one, could hardly be said to be unexpected.

It is not seen how appellant's combination, in view of the prior art, could have been the result of invention, when it would be obvious to one skilled in the art that each of the assembled elements would perform in the new combination in substantially the same manner as it did in the old.

[2] The combining of the good features of old art teachings, generally speaking, belongs in the realm of those skilled in the art. While there are exceptions to this rule, as there are to all other rules, we do not believe such an exception is presented here.

[3] The appeal as to claim 23 is dismissed and the decision of the Board of Appeals, affirming that of the Examiner, is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

PABST-ETT CORPORATION *v.* DR. W. J. ROSS COMPANY, DOING BUSINESS AS LOS ALAMITOS PACKING COMPANY

No. 4,483. Decided June 9, 1941

[120 F.(2d) 390]

APPEAL—TRADE-MARKS—OPPOSITION—DISMISSAL.

Where in an opposition proceeding the Commissioner rules that the opposer's mark is descriptive of its goods and that the respective goods of the opposer and the applicant are not of the same descriptive properties, but that the applicant is not entitled to the registration of its mark because the mark is either descriptive or misdescriptive of its goods, and the applicant takes no appeal *Held* that the appeal taken by the opposer will be dismissed.

APPEAL from Patent Office. Dismissed.

Mr. Cyril A. Soans and *Mr. William E. Anderson* for Pabst-Ett Corp.

Messrs. Jackson and Webster (*Mr. Charles R. Allen* and *Mr. William G. MacKay* of counsel) for Dr. W. J. Ross Company, doing business as Los Alamitos Packing Company.

BLAND, *J.:*

The appellee filed its application in the United States Patent Office for the registration of its mark "Nippy" for use on "Canned Dog and Cat Food." Appellant filed opposition to the registration, based upon its prior use of the mark "Nippy" on cheese.

The Examiner of Interferences sustained the opposition and adjudged that the applicant was not entitled to the registration for which it had made application. Appeal was taken to the Commissioner of Patents by appellee herein and the Commissioner reversed the decision of the Examiner of Interferences who had sustained the opposition, held that the word "Nippy" was descriptive of the opposer's goods, that the goods of the respective parties were not of the same descriptive properties, but affirmed the adjudication of the Examiner of Interferences that applicant was not entitled to the registration applied for, the latter holding of the Commissioner being upon the ground that the mark was either descriptive or misdescriptive of applicant's goods.

The appellee took no appeal from the adverse decision of the Commissioner holding that it was not entitled to the registration of its mark, but appellant has here appealed and challenges the correctness of the holding of the Commissioner that the goods were not of the same descriptive properties and that the word "Nippy" was descriptive of the opposer's goods.

Appellee in this court moves to dismiss appellant's appeal upon the ground that this court has no jurisdiction to consider the case. It rests its motion upon the authority of *Frankfort Distilleries, Inc.*, v. *Dextora Company*, 26 C. C. P. A. (Patents) 1244, 103 F.(2d) 924, 508 O. G. 6, and the cases therein cited.

The facts in said Frankfort Distilleries, Inc., case are almost identical with those at bar, and the case is so fully in point on the issues here involved that extended discussion of the same is not required. We think it sufficient to quote the following from that case:

• • • In view of the fact, however, that appellee did not appeal from the decision of the Commissioner of Patents holding its trade-mark not registerable, the Commissioner's decision became final, and, therefore, the issue of the registerability of appellee's mark is not before us for consideration. Accordingly, the issue of confusing similarity of the marks of the parties raised in this court by appellant's appeal has become moot since the taking of the appeal, and any views we might express with regard thereto would not be binding upon the Patent Office tribunals in another action under another statute. *Mills* v. *Green*, 159 U. S. 651; *Jones* v. *Montague*, 194 U. S. 147; *Richardson* v. *McChesney*, 218 U. S. 487; *Frigidaire Corporation* v. *Nitterhouse Bros.*, supra; C. J. S. Vol. 1, § 17, pp. 1012 to 1018.

The cases cited in the Frankfort Distilleries, Inc., case, supra, are also in point on the issue at bar.

We hold that the issues which appellant seeks to present have become moot, and that this court cannot properly consider them.

We think it proper to say that appellant in this court frankly expresses the view that there was at least very grave doubt as to whether or not the court had jurisdiction to pass upon the issues it seeks to present but felt that it would be in a better position with reference to possible future Patent Office action if appeal were taken to this court.

For reasons stated hereinbefore, and upon the authorities cited, we hold that appellant's appeal should be and it is hereby dismissed.

Dismissed.

U. S. Court of Customs and Patent Appeals

IN RE GEBAUER-FUELNEGG ET AL.

No. 4,490. Decided July 2, 1941

[121 F.(2d) 505]

1. APPLICATION—DISCLOSURE—TRADE NAMES.

An application for coated sheet material and process of making containing references to the forms of coating composition as "plioform" and "pliolite," without disclosure of the composition of the substances bearing these trade names, their method of preparation, their manufacturer, or their seller *Held* to comprise a sufficient disclosure of the sheet material and process, where it was established that said substances were on the market and were known generally to chemists at the time the application was filed.

2. SAME—SAME—NEW MATTER.

Certain claims of an application for coated sheet material and its method of manufacture *Held* allowable, in view of findings that the original disclosure of the application was sufficient and that new matter was not inserted in the application.

APPEAL from Patent Office. Reversed.

BLAND, *J.*, dissenting.

Messrs. Zabel, Carlson, Gritzbaugh and Wells (*Mr. Edward C. Gritzbaugh* and *Mr. Foster York* of counsel) for Gebauer-Fuelnegg et al.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

JACKSON, *J.:*

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming that of the Primary Examiner rejecting all of the claims of an application for a patent for certain new and useful improvements in a "Transparent Sheet Material and Coating Therefor." The claims are directed to a product and a process of manufacturing the same.

Claims 33 to 35 inclusive, 45 to 47 inclusive, 67 and 68 were rejected on the ground that they are not supported by sufficient disclosure in the application as filed. Claims 36 to 43 inclusive were rejected as involving new matter.

Claims 33 and 41 are illustrative and read as follows:

33. A thin flexible sheet material coated with a moisture resistant, adherent and heat sealing composition which is non-tacky at ordinary temperatures comprising a major proportion of a rubber resin (pliolite), and a minor proportion of a substance from the group consisting of cumarone, chlorinated diphenyl, vinyl resin and dammar.

41. The method of making meltable wax-like compositions which comprises mixing at least 20% by weight of wax with a condensation derivative of rubber obtainable by decomposing with water a product obtained by treating rubber in solution with chlorostannic acid or a halide of amphoteric metal.

The Examiner described the claimed invention as follows:

The alleged invention relates to the production of coated sheet material. The sheet material which is to be coated may be made of cellulose, cellulose derivatives, proteins, derivatives of proteins or gelatine. The composition employed to coat the sheets is described in the original specification as a type of resin derived from rubber; two forms of which it is stated are now on the market and are known as plioform and pliolite. The use of wax and natural or artificial resins such as dammar, elemi, vinyl resins etc. with the rubber resin is also contemplated. These two classes of materials serve respectively to decrease vapor transmission through the coating and give greater adhesion of the coating to the base sheet.

In the first Office action, a letter dated July 11, 1933, the Examiner stated:

The claims are all rejected as being indefinite and as being based upon an insufficient disclosure. The term "rubber resin" is indefinite. The obvious meaning of the term is a resin extracted from rubber in the preparation of resin free rubber. Plioform and pliolite appear to be trade names and it is not known what the substances are. The applicants have not disclosed their compositions or how they may be prepared and a verified showing identifying the substances and that they were known to the trade as plioform and pliolite at the time of filing the application is required.

On January 2, 1934, in response to the said Office action, appellants tendered an amendment to the application describing "pliolite" and "plioform," including a method of preparing the same. On that date appellants also submitted a photostatic copy of page 41 of a publication known as Industrial and Engineering Chemistry, dated February 10, 1933, to show that "plioform" was a product of the Goodyear Tire & Rubber Company and that it was "on the market" prior to the filing date of the application. On January 18, 1934, appellants submitted a supplemental amendment cancelling the amendment of January 2, 1934, and submitting further details as to the method of making "pliolite" and "plioform." The supplemental amendment was accompanied by an affidavit of the appellant Gebauer-Fuelnegg in which the affiant stated:

• • • that prior to the filing of said application, he procured from Goodyear Tire & Rubber Company a product identified by that company as "Plioform Molding Powder" and "Pliolite Resin"; that the products identified by said trade names were used by him and the other joint inventors in the above identified application in carrying out the invention described and claimed in said application; that said products were known to the trade by said trade names, respectively, and were available on the open market prior to the filing of said application; that to the best of his knowledge and belief the description of the process for the preparation of

said products pliolite and plioform, as contained in the accompanying amendment in said application, is true and correct.

The Examiner, in Office action dated April 24, 1934, refused to accept the identification of the trade terms as tendered by appellants.

On October 22, 1934, appellants tendered another amendment to the specification, containing a more detailed method of making "pliolite."

On February 7, 1935, the Examiner agreed that the amendments to the specification properly identified the rubber derivative used by appellants, and requested a further verified showing that the material produced as disclosed in the amended specification was known to the trade at the time of filing the application as "pliolite." The Examiner then rejected the claims as being indefinite in the use of the term "rubber resin," stating:

> * * * The term includes many substances, some of which are undoubtedly inoperative. The term also does not identify any definite group of substances and it is not known what substance might be included. The applicants have only disclosed one such material which can be otherwise positively identified and under the circumstances applicants cannot be their own lexicographer, at least in the manner attempted.

Other reasons were given for that rejection, none of which are pertinent here in view of the issue presented.

On April 11, 1935, appellants submitted an amendment to the application, cancelling the specification and all of the claims then on file, and inserting instead a substitute specification and claims. At that same time an affidavit of appellant Moffett was tendered, further identifying "pliolite," and containing the following:

> That the product referred to in the specification as "Pliolite" was on the open market at the time that affiant's joint application above identified was filed, and is still on the open market under the same trade name; that this product was procured from the manufacturer, Goodyear Tire & Rubber Company and was used in the development of the invention referred to in the above entitled application prior to the filing thereof.

The amendment and substitute specification were duly entered, as shown by the letter of the Examiner dated August 12, 1935, and all of the claims were rejected, among other reasons not pertinent here, in the following language:

> All of the claims are further rejected as not properly defining the invention when viewed in the light of the disclosure. While the additions to the specification are necessary and proper to properly disclose the invention, the recitation in claims of the method of making the resin is not proper. The expression rubber resin (pliolite) should be used.

The expression "rubber resin (pliolite)" appears in involved claims 33, 34, 35, and 47.

After further office action, unnecessary to relate here, the Examiner, in a letter dated April 20, 1936, stated that "claims 31, 33, 34, and 35 are directed to probably allowable subject matter." Appellants, on April 27, 1936, cancelled all of the claims except those allowed and requested the application be passed to issue. On July 28, 1936, the Examiner rejected claim 31 and allowed claims 33 to 35 inclusive. Claim 31 was cancelled and claims 33 to 35 inclusive are here bearing those numbers.

We do not deem it necessary to set out the further course of the application, except to state that it was involved in three interferences and was finally remanded to the Primary Examiner who rejected all of the claims which are before us.

The only questions to be decided here are (1) the sufficiency of the original disclosure, and (2) whether the substituted specification subsequently filed by the appellants contained new matter. In other words, can the terms "pliolite" and "plioform" as used in the application at the date of the filing thereof be held to be, in the light of the record, "such clear, concise, and exact terms as to enable any person skilled in the art" to practice the invention?

It will be noted that appellants are not seeking a patent on "plioform" or "pliolite" as a product, nor do they seek a patent for a method of preparing the same. Their claimed invention resides in the use of those substances with others in performing their process and making their article.

[1] Neither the composition of "pliolite" or "plioform," nor a method of preparing them, nor who manufactured or sold them, is disclosed in the original application. It is stated, however, in the application, that a type of rubber resin can be used and that two forms of this resin now on the market are known as "plioform" and "pliolite."

The Examiner, in his first action hereinbefore set out, recognized that "plioform" and "pliolite" are trade names. Appellants showed in the said publication of February 10, 1933, that "plioform" was made by the Goodyear Tire & Rubber Company, and that it was on the market at that date, which was almost two months prior to the filing date of their application. The publication contains in part the statement

> "Goodyear will not manufacture molded goods but will supply the Plioform resin, or compound, to manufacturers in the molded goods field."

As proof that both "pliolite" and "plioform" resins were on the market prior to the filing date of appellants, the record discloses an order for those substances received by the Goodyear Tire & Rubber Company from the Marsene Corporation of America, at Gary, Indiana, and the filing and shipping of the order on April 11, 1933.

Several affidavits are contained in the record showing clearly that the products called "Plioform" and "Pliolite" were known to the affiants and to others in the art here involved prior to April 14, 1933. The record further indicates that there were not, on the filing date of appellants, or at any time before or since, any rubber resin products other than those of the Goodyear Company known by the trade names here involved.

A fair interpretation of the facts herein leads to the conclusion that the Goodyear products "Plioform" and "Pliolite" were on the market and were known generally to those skilled in the art of chemistry at the time the original application was filed by appellants. With the information contained in the original application, therefore, it was possible for those skilled in the art at that time to practice appellants' invention, and thus it follows that the disclosure therein was sufficient.

In submitting their various amendments and the substituted specification and new claims, appellants, in our opinion, endeavored to meet the objections and suggestions of the Examiner. Apparently the Examiner was satisfied with the application after the substitution was made, as is evidenced by his allowance of the three claims heretofore mentioned. It may be that with the substituted specification—explaining in detail the method of making "pliolite"—it would be easier for one skilled in the art to practice appellants' invention. However, this does not detract from the fact that it was possible to do so with the information originally furnished by appellants. In our opinion, therefore, the application as amended by the substitution is proper and does not contain new matter.

[2] In view of all of the facts and circumstances of record, it is our opinion that the decision appealed from should be reversed and that appellants' claims herein should be allowed.

The decision of the Board of Appeals is reversed.

Reversed.

BLAND, *J.*, dissents.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,504,178, G. Young, Process for the production of ethers of carbohydrates, D. C., E. D. Wis. (Milwaukee), Doc. 566, *M. C. Sweet* v. *Hercules Powder Co., Inc.* Doc. 567, *M. C. Sweet* v. *Sherwin-Williams Co.* Judgment dismissing bill for lack of jurisdiction Aug. 27, 1941, in both cases.

1,536,588, M. F. Judd, Clutch, D. C., N. D. Ind. (Fort Wayne), Doc. 35, *Raybestos Manhattan, Inc.*, v. *Asbestos Mfg. Co.* Dismissed with prejudice (notice Sept. 4, 1941).

1,599,639, V. Buchanan, Corset, appeal filed Sept. 8, 1941, C. C. A., 2d Cir., Doc. —, *V. Buchanan* v. *W. B. Foundations, Inc., et al.*

1,702,706, K. R. Schuster, Fire proof construction, filed Aug. 22, 1941, D. C., S. D. N. Y., Doc. 15/276, *J. T. McCoy, Inc.*, v. *K. R. Schuster.*

1,731,693, W. R. Wilson, Advertising device, D. C., S. D. Calif. (Los Angeles), Doc. 1364–H, *G. A. Klein* v. *Albers Bros. Milling Co. et al.* Patent held invalid; bill dismissed Aug. 28, 1941.

1,751,728, C. J. Dudley, Basket machine, filed Sept. 5, 1941, D. C., W. D. N. Y., Doc. 817, *Straight Side Basket Corp.* v. *Attica Package Co., Inc.*

1,779,792, P. F. Yungling, Guide for fishes, D. C., W. D. Okla. (Oklahoma City), Doc. 791, *Baker Oil Tools, Inc.*, v. *Brauer Machine & Supply Co.* Patent held infringed; injunction Sept. 2, 1941.

1,798,278, Scott & Turner, Fender for vehicles, D. C., E. D. Pa., Doc. 417, *American Chain & Cable Co., Inc.*, v. *Snyder, Inc., et al.* Dismissed Aug. 25, 1941.

1,844,146, B. J. Chromy, Apparatus and method for sound reproduction, D. C., S. D. N. Y., Doc. 15/118, *B. J. Chromy* v. *Western Electric Co., Inc.* Consent judgment (notice Sept. 2, 1941).

1,883,850, O. Behimer, Process for making gasoline, C. C. A., 10th Cir., Doc. 2171, *The Texas Co.* v. *Anderson-Prichard Refining Corp.* Judgment affirmed Sept. 2, 1941.

1,899,777, N. M. Stanley, Lens, D. C., W. D. Mo. (Kansas City), Doc. 879, *The Univis Corp. et al.* v. *C. C. Caldwell Optical Co.* Decree granting injunction Aug. 23, 1941.

1,936,044, J. F. Walsh, Laminated product and method of producing same, D. C., N. D. Ohio, W. Div., Doc. E 1442, *Celluloid Corp.* v. *Libbey-Owens-Ford Glass Co.* Claims 1, 3, 4, 5, 6, and 7 held valid and infringed, injunction Sept. 2, 1941.

2,020,101, J. W. Brown, Melting and holding furnace, D. C., N. D. Ohio, E. Div., Doc. 20417, *J. W. Brown* v. *The Apex Electrical Mfg. Co.* Stipulation for dismissal (notice July 31, 1941).

2,087,190, A. E. Gessler, Printing ink, filed Aug. 28, 1941, D. C., S. D. N. Y., Doc. 15/310, *Interchemical Corp.* v. *Sinclair & Carroll Co., Inc.*

2,098,478, J. W. Young, Battery container, D. C., N. D. Calif. (San Francisco), Doc. 21527–S, *National Battery Co.* v. *Pacific States Battery Co.* Dismissed without prejudice Aug. 25, 1941. Same, D. C., S. D. Calif. (Los Angeles), Doc. 884–BH, *National Battery Co. et al.* v. *Western Molded Products, Inc.* Decree for defendant, holding patent invalid; bill dismissed Sept. 3, 1941.

2,118,468, T. G. Jungersen, Method of casting articles of intricate design and a product thereof, filed Aug. 26, 1941, D. C., S. D. N. Y., Doc. 15/296, *T. G. Jungersen* v. *Variety Jewelry Co.*

2,131,367, I. Blechman, Sliding door wardrobe, filed Sept. 3, 1941, D. C., E. D. N. Y., Doc. 2235, *H. Derman* v. *Adora Co., Inc., et al.*

2,136,538, A. H. Borwick, Method of stretching metal rods, filed Aug. 21, 1941, D. C., S. D. Calif. (Los Angeles), Doc. 1728–H, *A. H. Borwick* v. *Podas Foundry & Machinery Co. et al.*

2,187,666, W. H. Schuman, Artificial fish bait, filed Aug. 20, 1941, D. C., N. D. Ohio, E. Div., Doc. 20918, *Whyte Fly Tackle Co.* v. *Fly Fish Kit Co.*

2,206,243, D. Turano, Method of shearing furs, D. C., S. D. N. Y., Doc. 13/206, *Fur Grooving & Shearing Co., Inc.*, v. *The World Fur Cleaning & Shearing Co.* Judgment dismissing second cause June 20, 1941. Notice of voluntary dismissal Aug. 22, 1941.

2,248,467, J. Scilken, Refrigerated display fixture for food, filed Aug. 18, 1941, D. C., S. D. N. Y., Doc. 15/251, *J. Scilken* v. *Amherst Cafeteria, Inc.*

Des. 116,640, M. Solash, Hat, filed Sept. 5, 1941, D. C., S. D. N. Y., Doc. 15/362, *M. Solash* v. *Darling Hat Co., Inc.* Doc. 15/361, *M. Solash* v. *Lola Hat, Inc.*

Des. 120,190, F. Tausend, Table cloth, filed Aug. 27, 1941, D. C., S. D. N. Y., Doc. 15/302, *Felix Tausend & Sons* v. *Madeira Linen Importing Co.*

Des. 127,134, H. Horowitz, Dress, D. C., S. D. N. Y., Doc. 14/318, *Helen Kingsley, Inc.*, v. *Sunnyvale, Inc.* Consent order of discontinuance (notice Sept. 3, 1941).

Des. 128,318, F. B. Saloff, Dress, filed Aug. 28, 1941, D. C., S. D. N. Y., Doc. 15/313, *Lee Claire, Inc.*, v. *Roslyn Formals, Inc.*

Des. 128,454, M. Hobgood, Dress ensemble, filed Aug. 20, 1941, D. C., S. D. N. Y., Doc. 15/270, *L. & D. Bellinson* v. *June Modes, Inc.*

Des. 128,758, S. Zahn, Dress, filed Aug. 28, 1941, D. C., S. D. N. Y., Doc. 15/312, *International Dress Co., Inc.*, v. *Neufeld Furst & Co., Inc.*

Des. 128,859, H. Raiffe, Fur collar, filed Aug. 27, 1941, D. C., S. D. N. Y., Doc. 15/305, *Jack Weiner Corp.* v. *Doniger, Goldberger & Co., Inc., et al.*

Adjudicated Patents

(D. C. Tenn.) Pickup patent, No. 2,021,581, for cabinet heater, *Held* infringed. *Newark Stove Co.* v. *Gray & Dudley Co.*, 39 F. Supp. 992.

(D. C. Calif.) Young patent, No. 2,098,478, for battery container, *Held* invalid. *National Battery Co.* v. *Western Molded Products Co.*, 39 F. Supp. 954.

(D. C. N. Y.) Robertson and Staples patent, No. 2,110,118, for fabric and method of and apparatus for treating the same, claims 7 to 13, 14 and 15 *Held* invalid. *Mount Hope Finishing Co.* v. *Seneca Textile Corporation*, 39 F. Supp. 994.

Disclaimer

2,167,121.—*Harold J. McCreary*, Lombard, and *Rodney G. Richardson*, Chicago, Ill. TIMING AND TIMING DEVICE. Patent dated July 25, 1939. Disclaimer filed September 29, 1941, by the assignee, *McGraw Electric Company*.

Hereby enters this disclaimer to claims 1, 16, 17, 18, 19, 22, 23, 24, and 26 of said patent.

Notice of Cancellation

U. S. PATENT OFFICE, *Washington, D. C., Sept. 19, 1941.*

John B. Sanders, his assigns or legal representatives, take notice:

An application for cancellation having been filed in this Office by Eagle Pencil Company, 703 East 13th St., New York, N. Y., to effect the cancellation of trade-mark registration of John B. Sanders, 117 E. Pearl St., Cincinnati, Ohio, No. 195,686, dated March 3, 1925, and the notice of such proceeding sent by registered mail to the said John B. Sanders at the said address having been returned by the post office undeliverable, notice is hereby given that unless said John B. Sanders, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Regulations for Filing Applications for Patents and Amendments in Foreign Countries Under Public 239 of the 77th Congress

(Continued from page 539)

application, it is not an amendment, and Form DL1 should be used.

3. *Invention not made in United States.* No license from the Commissioner of Patents is required if the invention was not made in the United States. Before filing an application or an amendment abroad relating to such an invention, however, it should be determined whether a license is required by any other Government agencies.

4. *Accompanying documents.* The application or the amendment sought to be exported or filed in a foreign country must accompany the petition. All documents enclosed which are in a foreign language must be accompanied by the original English text and a translator's affidavit to the effect that the foreign document is a true, faithful, and exact translation.

5. *No corresponding United States application.* If the application to be filed in a foreign country does not contain the disclosure of any United States application whatsoever, a complete and properly identified copy in English must be filed for use and record of the Patent Office.

6. *"New matter" in amendment.* If the amendment contains any matter or disclosure which is not in the original specification or in any of the amendments or the supplements already filed abroad, or already contained in printed publications, the petition must point out in detail all of this new matter.

7. *Copies of foreign applications.* Petitioner may be required to file verified copies of the foreign application to be amended, together with all amendments and supplements already filed in the foreign country.

8. *Affidavit.* The affidavit in the petition will be executed by applicant, his or his assignee's attorney or agent.

9. *Enclosures.* Necessary covering letters and other enclosures to accompany the application or amendment should be attached by clips to the petition. No responsibility can be assumed by the Government as to enclosures in the form of drafts, checks, or funds in any form. A list of all papers filed must be included in the petition.

10. *Envelope.* The petition must be accompanied by a strong, flat, unsealed envelope of sufficient size to enclose the application or amendment and all of the accompanying material. This envelope must be properly addressed to the consignee in the foreign country of destination.

11. *Informal petitions returned.* Each petition which is informal, incomplete, or not accompanied by required copies of applications, a proper affidavit or a suitable unsealed, properly addressed envelope will be returned with a check list indicating the deficiencies.

12. *License.* When the petition is countersigned by an authorized officer of the Licensing Division and impressed with the seal of the Patent Office it becomes a license.

13. *Alteration of license.* Any attempt to export any application or amendment differing in any manner from that licensed or any alteration of the license except by a duly authorized officer of the United States is punishable under appropriate acts of Congress.

14. *Licenses revocable.* All licenses are subject to revocation without notice and are not transferable.

15. *Application mailed, license presented at post office.* The application or amendment must be mailed at the designated post office within one year from the date of the license. The license must accompany the letter package containing the application or amendment and must be surrendered to the Postmaster for endorsement and forwarding to the Commissioner of Patents.

CONWAY P. COE,
Commissioner.

Approved September 22, 1941.
WAYNE C. TAYLOR,
Acting Secretary of Commerce.

TRADE-MARKS

OFFICIAL GAZETTE, OCTOBER 21, 1941

[VOL. 531. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 2

RECEPTACLES

Ser. No. 432,676. CARSON PIRIE SCOTT & COMPANY, Chicago, Ill. Filed June 5, 1940.



FOR CLOSET ACCESSORIES—NAMELY, GARMENT BAGS, BLANKET BAGS, SHOE BAGS, LAUNDRY BAGS, HAT BOXES, HOSE BOXES, BLANKET BOXES, GLOVE BOXES, AND HANDKERCHIEF BOXES; BASE METAL PLANT BOXES AND POWDER BOXES, VASES OF WOOD, VASES OF COMPOSITION, PLANT BOXES OF WOOD, PLANT BOXES OF COMPOSITION, BOWLS OF COMPOSITION, FLOWER CONTAINERS, NAMELY, WALL POCKETS AND JARDINIERES OF WOOD AND OF COMPOSITION, WASTEBASKETS AND BATH HAMPERS.

Claims use since October, 1938.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 446,791. A. EDWARD BROWNER, New York, N. Y. Filed Sept. 5, 1941.

SHOWINDO-MODES

The word "Modes" is disclaimed apart from the mark.

FOR LADIES', MISSES', AND CHILDREN'S HANDBAGS AND POCKETBOOKS.

Claims use since Oct. 2, 1939.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 433,044. PELHAM & SON, Louisville, Ky. Filed June 13, 1940.



The word "Cleaners" is disclaimed apart from the mark.

FOR HOUSEHOLD CLEANSER WHICH CONSISTS OF A DRY POWDER TO BE DISSOLVED IN WATER AND HAVING INCIDENTAL PROPERTIES AS A WATER SOFTENER.

Claims use since Mar. 1, 1934.

Ser. No. 446,079. THE HEWITT SOAP COMPANY, INC., Dayton, Ohio. Filed Aug. 8, 1941.

Soap Treasures

The word "Soap" is disclaimed apart from the mark.

FOR SOAP—NAMELY, TOILET SOAP.

Claims use since July 15, 1941.

Ser. No. 446,329. MID-WEST ABRASIVE COMPANY, Detroit, Mich. Filed Aug. 18, 1941.

SUPER-X

FOR ARTIFICIAL ABRASIVE STONES.

Claims use since July 24, 1941.

CLASS 5

ADHESIVES

Ser. No. 446,608. THE ARABOL MF'G CO., New York, N. Y. Filed Aug. 28, 1941.

Icetite

FOR GLUES AND ADHESIVE PASTES.
Claims use since October, 1937.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 443,168. THE MALTINE COMPANY, New York, N. Y. Filed May 1, 1941.

JECIRON-B

The letter "B" is disclaimed apart from the mark.
FOR PHARMACEUTICAL PREPARATION, MORE PARTICULARLY VITAMIN AND IRON CAPSULES.
Claims use since Feb. 3, 1941.

Ser. No. 443,802. THE BORDEN COMPANY, New York, N. Y. Filed May 22, 1941.

Biolac

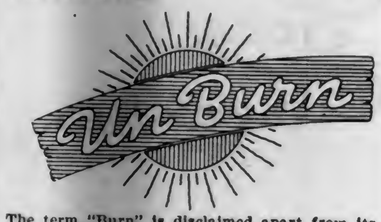
FOR EVAPORATED, HOMOGENIZED, STERILIZED THERAPEUTIC PREPARATION FOR INVALIDS AND INFANTS, PREPARED FROM WHOLE MILK, SKIM MILK, LACTOSE, CRYSTALLINE VITAMIN B_1, COD LIVER OIL CONCENTRATE, AND FERRIC CITRATE.
Claims use since Dec. 19, 1936.

Ser. No. 444,031. AMERICAN ANILINE PRODUCTS, INC., New York, N. Y. Filed May 29, 1941.

LEVELENE

FOR TEXTILE DYEING ASSISTANTS.
Claims use since Apr. 29, 1941.

Ser. No. 444,185. HOLLY-MIN, LTD., Los Angeles, Calif. Filed June 4, 1941.



The term "Burn" is disclaimed apart from its association as shown.
FOR UNGUENT WHICH PROMOTES HEALING, PREVENTS DESTRUCTION OF TISSUE AND ALLEVIATES PAIN, RESULTING FROM ALL TYPES OF HEAT OR ACID BURNS, SKIN ABRASIONS, AND SURFACE INFECTIONS.
Claims use since May 14, 1941.

Ser. No. 444,804. JACINTO SOSA, doing business as American Drug Exchange, Brooklyn, N. Y. Filed June 24, 1941.

KREMOSAL

FOR LAXATIVES AND CATHARTICS FOR THE RELIEF OF STOMACH DISTRESS, GAS, AND HYPERACIDITY, CAUSED BY DIETARY INDISCRETIONS OR DUE TO OCCASIONAL CONSTIPATION.
Claims use since Nov. 1, 1940.

Ser. No. 446,039. BARFRED RESEARCH LABORATORIES, Newark, N. J. Filed Aug. 7, 1941.

HYPNOCAINE

FOR LIP SALVE, AN OINTMENT AND A DENTAL SOLUTION.
Claims use since Sept. 1, 1936.

Ser. No. 446,065. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Aug. 7, 1941.

DELCOS

FOR MEDICINAL AND PHARMACEUTICAL PREPARATIONS FOR INTERNAL USE, INCLUDING PREPARATIONS FOR THE TREATMENT OF METABOLIC DEFICIENCIES, INCLUDING PREPARATIONS CONTAINING MINERALS OR VITAMINS OR COMBINATIONS OF MINERALS AND VITAMINS, INCLUDING PREPARATIONS CONTAINING TRICALCIUM PHOSPHATE AND VITAMIN D, OR COMBINATIONS OF TRICALCIUM PHOSPHATE AND VITAMIN D.
Claims use since July 30, 1941.

Ser. No. 446,113. NOVOCOL CHEMICAL MFG. CO., INC., Brooklyn, N. Y. Filed Aug. 9, 1941.

Pembules

FOR HYPNOTICS, PARTICULARLY SODIUM ETHYL 1 METHYL BUTYL BARBITURATE.
Claims use since July 29, 1941.

Ser. No. 446,130. COMFORT MANUFACTURING COMPANY, Chicago, Ill. Filed Aug. 11, 1941.

DASH-HOUND

FOR CHEMICAL COMPOUND FOR SPRAYING AROUND TREES AND SHRUBBERY TO REPEL DOGS AND CATS.
Claims use since Apr. 9, 1941.

Ser. No. 446,243. RAYGRAM CORPORATION, New York, N. Y. Filed Aug. 14, 1941.



No claim is made to the words "Approved Products for Better Photography" apart from the mark.
FOR PHOTOGRAPHIC DEVELOPERS AND FIXER HARDENERS.
Claims use since November, 1939.

Ser. No. 446,920. IRA LICHTENSTEIN, Baldwin, N. Y. Filed Sept. 9, 1941.

ELIP

FOR PREPARATION FOR THE RELIEF OF PILES.
Claims use since Sept. 1, 1934.

Ser. No. 446,921. HAROLD L. MACK, doing business as Mack Dental Co., Monterey, Calif. Filed Sept. 9, 1941.

Powdapaste

FOR DENTIFRICE.
Claims use since Aug. 25, 1941.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 444,574. THE NATIONAL CASH REGISTER COMPANY, Dayton, Ohio. Filed June 16, 1941.

National

FOR PRINTING INK, INK PADS FOR INKING TYPE AND ELECTROS, INK RIBBONS, INK ROLLS FOR INKING TYPE AND ELECTROS, AND INK APPLICATORS FOR INKING ROLLS AND PADS.
Claims use since June 2, 1941.

Ser. No. 444,575. THE NATIONAL CASH REGISTER COMPANY, Dayton, Ohio. Filed June 16, 1941.

National

FOR PRINTING INK, INK PADS FOR INKING TYPE AND ELECTROS, INK RIBBONS, INK ROLLS FOR INKING TYPE AND ELECTROS, AND INK APPLICATORS FOR INKING ROLLS AND PADS.
Claims use since June 2, 1941.

Ser. No. 446,390. GOLDSMITH BROS., New York, N. Y. Filed Aug. 20, 1941.

Artrite

FOR DRAWING INK.
Claims use since May 11, 1940.

Ser. No. 446,401. ROYAL TYPEWRITER COMPANY, INC., New York, N. Y. Filed Aug. 20, 1941.

VALUE

FOR INKING RIBBONS AND CARBON PAPER.
Claims use since July, 1931, on inking ribbons, and since 1929 on carbon paper.

Ser. No. 446,402. ROYAL TYPEWRITER COMPANY, INC., New York, N. Y. Filed Aug. 20, 1941.

VERTEX

FOR INKING RIBBONS AND CARBON PAPER.
Claims use since July, 1931, on inking ribbons, and since 1929 on carbon paper.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 434,809. PLASTICS PATENTS TRUST, Dayton, Ohio. Filed Aug. 8, 1940.

Brycote

FOR PLASTIC COATED OR FINISHED ARTICLES, PARTICULARLY DRAWER KNOBS AND DOOR KNOBS.
Claims use since Apr. 14, 1939.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 445,193. THE ARCADE MALLEABLE IRON CO., Worcester, Mass. Filed July 9, 1941.

Arzon

FOR IRON AND IRON ALLOY CASTINGS AND FERROUS METALS AND ALLOYS IN RAW AND PARTLY FINISHED CONDITION.
Claims use since January, 1933.

Ser. No. 446,020. THE COOPER ALLOY FOUNDRY CO., Elizabeth, N. J. Filed Aug. 6, 1941.

DENSICAST

FOR CASTINGS MADE OUT OF CAST STAINLESS STEEL.
Claims use since July 15, 1941.

CLASS 15

OILS AND GREASES

Ser. No. 446,375. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del. Filed Aug. 19, 1941.

CALORIA

FOR REFINED PETROLEUM FOR ILLUMINATING, HEATING, AND POWER PURPOSES, AND LUBRICATING OILS.
The trade-mark has been continuously used by applicant and its predecessor in business on refined petroleum for illuminating, heating and power purposes since May 15, 1912, and by applicant upon lubricating oils since June 25, 1941.

CLASS 19

VEHICLES, NOT INCLUDING ENGINES

Ser. No. 445,161. TAYLORCRAFT AVIATION CORPORATION, Alliance, Ohio. Filed July 7, 1941.

TAYLORCRAFT

FOR AIRPLANES.
Claims use since Nov. 18, 1939.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 445,223. AUBURN SPARK PLUG COMPANY, INC., Auburn, N. Y. Filed July 10, 1941.

Wright

The mark represents the signature of George Wright, deceased, the founder of applicant's predecessor, New York Mica and Mfg. Co.
FOR SPARK PLUGS.
Claims use since June, 1910.

Ser. No. 445,653. THE ELECTRIC STORAGE BATTERY COMPANY, Philadelphia, Pa. Filed July 26, 1941.

STARTEX

FOR STORAGE BATTERIES.
Claims use since June, 1940.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 444,758. DILLON-BECK MFG. CO., Irvington, N. J. Filed June 23, 1941.

WANNATOYS

FOR PLASTIC TOY BOATS.
Claims use since Apr. 1, 1941.

Ser. No. 446,309. VOLUME SPRAYER MANUFACTURING COMPANY, INC., Tulsa, Okla. Filed Aug. 16, 1941.

NUBS

FOR GAMES HAVING PLAYING PIECES AND SUPPORTING POSTS FOR RECEIVING THE SAME.
Claims use since June 26, 1941.

Ser. No. 446,638. F. A. O. SCHWARZ, New York, N. Y. Filed Aug. 28, 1941.

PUZZLE GRAM

No claim is made to the word "Puzzle" apart from the mark.
FOR JIG-SAW PUZZLES, WHICH WHEN PUT TOGETHER, FORM AUTOGRAPHED GREETING CARDS.
Claims use since Aug. 18, 1941.

Ser. No. 446,924. PARKER BROTHERS INC., Portland, Maine, and Salem, Mass. Filed Sept. 9, 1941.

THUMBS UP!

FOR GAME PLAYED WITH MOVABLE TILES.
Claims use since Sept. 4, 1941.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 445,259. CREAM TOP BOTTLE CORPORATION, Albany, N. Y. Filed July 11, 1941.

Cream Top

FOR SPOONS AND CREAM SEPARATORS MADE OF BASE METAL.
Claims use since Nov. 3, 1923.

Ser. No. 445,410. DOWTY EQUIPMENT CORPORATION, New York, N. Y. Filed July 17, 1941.

DOWTY

FOR HYDRAULIC PUMPS.
Claims use since May 31, 1940.

Ser. No. 445,673. STAR EXPANSION BOLT COMPANY, New York, N. Y. Filed July 26, 1941.

STAR

FOR PERCUSSION TWIST DRILLS AND DRILL HOLDERS.
Claims use since August, 1938.

Ser. No. 446,427. THE GLEASON WORKS, Rochester, N. Y. Filed Aug. 21, 1941.

DUPLETE

FOR GEAR CUTTING TOOLS AND BLADES THEREFOR.
Claims use since June 11, 1941.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 441,477. THE LUFKIN RULE COMPANY, Saginaw, Mich. Filed Mar. 12, 1941.

RANGER

FOR MEASURING INSTRUMENTS, PARTICULARLY MEASURING TAPES.
Claims use since Oct. 18, 1940.

Ser. No. 443,977. CONSOLIDATED RESEARCH CORPORATION, New York, N. Y. Filed May 27, 1941.

COREco

FOR CAMERAS AND CAMERA CASES.
Claims use since Jan. 1, 1940.

Ser. No. 446,316. EMMA G. DOUGLAS, Berwyn, Ill. Filed Aug. 18, 1941.

RHYTH-OGRAPH

FOR CALCULATING CHARTS FOR USE IN DETERMINING PERIODS IN MENSTRUAL CYCLE.
Claims use since Oct. 2, 1940.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 416,697. PURDY BRUSH COMPANY, Portland, Oreg. Filed Mar. 4, 1939.



The trade-mark consists of two yellow stripes with an intervening black stripe, placed on the handle of the brush in the position and of the dimension shown on the drawing. The lining shown on the drawing represents the color yellow. No claim is made to the representation of the brush which appears on the drawing apart from the mark shown.
FOR PAINT BRUSHES.
Claims use since June, 1924.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 427,106. LEVY BROS. CHINA CO. INC., New York, N. Y. Filed Jan. 3, 1940.



No claim is made to the word "China" apart from the mark.
FOR CHINA WARE—NAMELY, VASES AND DISHES.
Claims use since Dec. 1, 1939.

Ser. No. 435,337. DAVID WORONOCK AND WILLIAM ANSEN, New York, N. Y. Filed Aug. 23, 1940.

HALLMARK

FOR CERAMIC TABLE AND COOKING WARE AND CERAMIC JARS AND VASES.
Claims use since 1916.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 398,029. AMERICAN CAN COMPANY, New York, N. Y. Filed Oct. 2, 1937.



CAN CADET

FOR DISPLAY RACKS OR STANDS, MADE OF SHEET METAL FOR DISPLAY OR TRANSPORT OF CONTAINERS.
Claims use since Sept. 7, 1937.

Ser. No. 435,820. TESTED PAPERS OF AMERICA INC., Chicago, Ill. Filed Sept. 9, 1940.

DEPOT

FOR DISPLAY RACKS.
Claims use since Dec. 1, 1939.

Ser. No. 442,571. ESTELLE C. SILO (HOWM), doing business as James P. Silo, New York, N. Y. Filed Apr. 14, 1941.



FOR HOUSEHOLD AND OFFICE CHAIRS, HOUSEHOLD AND OFFICE TABLES, DESKS, BOOKCASES, CHIFFONNIERS, DRESSERS, SIDEBOARDS, BUFFETS, CHINA CLOSETS, WARDROBES, MUSIC CABINETS, MIRRORS, AND CLOTHES-RACKS.
Claims use since 1879.

Ser. No. 446,519. HAGGARD & MARCUSSON CO., Chicago, Ill. Filed Aug. 25, 1941.

Ribbonaire

FOR BED SPRINGS.
Claims use since Apr. 1, 1941.

Ser. No. 446,930. USHCO MANUFACTURING COMPANY, INC., Buffalo, N. Y. Filed Sept. 9, 1941.

Tidewater

FOR UPHOLSTERED SOFAS, COUCHES, AND CHAIRS.
Claims use since Aug. 28, 1941.

CLASS 33

GLASSWARE

Ser. No. 444,970. KELLOGG COMPANY, Battle Creek, Mich. Filed June 30, 1941.

Kellogg's

The mark is a facsimile of the surname, in the possessive case, of Will K. Kellogg, chairman of the board of directors of applicant corporation, in his handwriting.
FOR GLASS TABLEWARE.
Claims use since January, 1940.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 446,788. AUTOGAS COMPANY, Chicago, Ill. Filed Sept. 5, 1941.

REPUBLIC

FOR GAS BURNERS, GAS BURNING HUMIDIFIERS, GARBAGE INCINERATORS, AND WATER HEATERS.
Claims use since July, 1930.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NON-METALLIC TIRES

Ser. No. 446,523. LEA FABRICS, INC., Newark, N. J. Filed Aug. 25, 1941.

LEACUP

FOR VALVE PACKING AND CUP-TYPE PACKING FOR PUMPING MACHINERY.
Claims use since Mar. 22, 1939.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 440,005. HELT-AHRBECKER, INC., Indianapolis, Ind. Filed Jan. 27, 1941.

Swing-Master

FOR ELECTRICALLY OPERATED PHONOGRAPH RECORD PLAYERS AND CHANGERS WITH AND WITHOUT RADIO.
Claims use since Nov. 29, 1940.

Ser. No. 442,886. UNITED STATES HARMONICA CORPORATION, Greenwich, Conn. Filed Apr. 23, 1941.



FOR HARMONICAS.
Claims use since Feb. 13, 1941.

CLASS 37

PAPER AND STATIONERY

Ser. No. 439,602. NAHILL MANUFACTURING CO., INC., Arlington, N. J. Filed Jan. 11, 1941.



The word "Product" is disclaimed apart from the mark.
FOR MECHANICAL PENCILS.
Claims use since Nov. 13, 1940.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 429,369. NEWS MAP OF THE WEEK, INC., Chicago, Ill. Filed Mar. 8, 1940.

WORLD NEWS OF THE WEEK

FOR PERIODICAL PUBLICATION.
Claims use since Dec. 4, 1939.

Ser. No. 433,083. BANK-ABLE CHECK CORPORATION, Detroit, Mich. Filed June 17, 1940.

BANK-ABLE



No claim is made to the word "Bank-able" apart from the mark.
FOR TRADING STAMPS.
Claims use since June 1, 1940.

Ser. No. 441,060. ERNEST ARTHUR RUMBOLL, Buenos Aires, Argentina. Filed Feb. 27, 1941.



FOR LEAFLETS, BOOKLETS, AND ADVERTISING MATERIAL SOLD AS SUCH.
Claims use since October, 1940.

Ser. No. 442,292. UNITED BUYERS CORPORATION, Chicago, Ill. Filed Apr. 4, 1941.

THE RECIPE BOX

No claim is made to the word "Recipe" apart from the mark.
FOR PUBLICATION ISSUED PERIODICALLY, THE SUBJECT MATTER OF WHICH RELATES TO FOODS AND THEIR PREPARATION.
Claims use since Sept. 1, 1938.

Ser. No. 444,347. RAY K. LOVICH, Los Angeles, Calif. Filed June 9, 1941.

Television Broadcast

FOR PRINTED BULLETINS, PERIODICALLY ISSUED AND EMPLOYED IN THE APPLICANT'S BUYING AND STYLE REPORTING SERVICE.
Claims use since January, 1939.

Ser. No. 445,437. GEORGE SISSON, doing business as Sisson Printing Company, Chicago, Ill. Filed July 17, 1941.

HOBBY

FOR GREETING CARDS AND PRINTED ANNOUNCEMENTS.
Claims use since June 5, 1941.

Ser. No. 446,408. ANTHONY PUBLISHING CO., INC., New York, N. Y. Filed Aug. 21, 1941.

THE FUNNY BONE

FOR PERIODICAL.
Claims use since July 29, 1941.

Ser. No. 446,573. A. J. HOLMAN COMPANY, Philadelphia, Pa. Filed Aug. 27, 1941.

GEM

FOR PARTICULAR EDITION OF THE NEW TESTAMENT.
Claims use since Feb. 15, 1918.

CLASS 39

CLOTHING

Ser. No. 431,356. THE HUB-HENRY C. LITTON & SONS, Chicago, Ill. Filed Apr. 29, 1940.

HUBTON

FOR MEN'S AND BOYS' SUITS, OVERCOATS, TOPCOATS, HATS, OUTER SHIRTS, AND UNDERSHIRTS, UNDERWEAR, SOCKS, AND NECKTIES.
Claims use since Apr. 6, 1940.

Ser. No. 439,818. LUBIN-WEEKER CO., INC., New York, N. Y. Filed Jan. 21, 1941.

SOUTHER-KNIT

No claim is made to the word "Knit" apart from the mark.
FOR MEN'S PAJAMAS.
Claims use since Dec. 18, 1940.

Ser. No. 440,153. COHEN & WILKS, LIMITED, Manchester, England. Filed Jan. 31, 1941.

GALABANK

FOR MEN'S AND WOMEN'S COATS, CAPES, CLOAKS, SPORT SUITS, AND SUITS MADE OF WOOL OR OTHER WOVEN FABRICS.
Claims use since Nov. 17, 1921.

Ser. No. 442,049. PENN CRAFT HAT COMPANY, Philadelphia, Pa. Filed Mar. 28, 1941.



No claim is made to the word "Philadelphia" apart from the mark.
FOR HATS AND CAPS FOR MEN, WOMEN, AND CHILDREN.
Claims use since Mar. 25, 1941.

Ser. No. 442,872. MOORE GROCERY CO., doing business as The Sledge Manufacturing Co., Tyler, Tex. Filed Apr. 23, 1941.

MOHAWK

FOR MEN'S WORK SHIRTS, JACKETS, TROUSERS, AND OVERALLS.
Claims use since May, 1904.

Ser. No. 443,860. SICES & RIEGER, INCORPORATED, Chicago, Ill. Filed May 23, 1941.



FOR LADIES' CLOTH COATS.
Claims use since December, 1939.

Ser. No. 444,829. JOYCE, INC., Pasadena, Calif. Filed June 25, 1941.

Mexi-Coolee

FOR SHOES MADE OF LEATHER, FABRIC, OR RUBBER, OR OF COMBINATIONS OF SAID MATERIALS.
Claims use since Dec. 19, 1938.

Ser. No. 445,534. THE SELBY SHOE COMPANY, Portsmouth, Ohio. Filed July 21, 1941. Under 10-year proviso.

SELBY

FOR SHOES MADE FROM LEATHER, FABRIC, RUBBER OR COMBINATIONS OF THESE MATERIALS.
Claims use since 1880.

Ser. No. 445,535. THE SELBY SHOE COMPANY, Portsmouth, Ohio. Filed July 21, 1941. Under 10-year proviso.

Selby SHOES

No claim is made to the word "Shoes" apart from the mark.
FOR SHOES MADE FROM LEATHER, FABRIC, RUBBER OR COMBINATIONS OF THESE MATERIALS.
Claims use since 1880.

Ser. No. 445,540. WEMBLEY, INC., New Orleans, La. Filed July 21, 1941.



Applicant disclaims the word "French" apart from the mark.
FOR MEN'S NECKTIES AND SCARFS.
Claims use since June 24, 1941.

Ser. No. 445,579. IMPORT STYLISTS, INC., New York, N. Y. Filed July 23, 1941.

SCHOLASTIC

FOR KNITTED SWEATERS, HATS, AND TWIN SWEATER SETS AND SWEATERS WITH ATTACHED HOODS.
Claims use since July 1, 1940.

Ser. No. 445,723. J. J. GROVER SHOE COMPANY, Boston, Mass. Filed July 29, 1941.

SECURO FLEX

FOR SHOES MADE OF LEATHER, FABRIC, OR RUBBER AND/OR COMBINATIONS OF SUCH MATERIALS.
Claims use since July 17, 1941.

Ser. No. 445,762. VANITY FAIR SILK MILLS, Reading, Pa. Filed July 29, 1941.

DULLIQUE

FOR MEN'S, WOMEN'S, AND CHILDREN'S UNDERWEAR; MEN'S, WOMEN'S, AND CHILDREN'S SLEEPING GARMENTS—NAMELY, NIGHTGOWNS, PAJAMAS, BED JACKETS, AND NIGHT CAPS; AND HOUSE COATS, BATH ROBES, NEGLIGEES, AND HOSIERY.
Claims use since July 17, 1941.

Ser. No. 445,764. VANITY FAIR SILK MILLS, Reading, Pa. Filed July 29, 1941.

SLUMBRO

FOR MEN'S WOMEN'S, AND CHILDREN'S NIGHTGOWNS, PAJAMAS, BED JACKETS AND DRESSING GOWNS.
Claims use since July 3, 1941.

Ser. No. 445,839. COOPER, WELLS & COMPANY, St. Joseph, Mich. Filed Aug. 1, 1941.

LATASILK

FOR HOSIERY MADE OF SPECIALLY TREATED SILK.
Claims use since July 21, 1941.

Ser. No. 445,844. FAIRY SILK MILLS, Shellington, Pa., and New York, N. Y. Filed Aug. 1, 1941.

Sassy-Pleets

The word "Pleets" is disclaimed apart from the mark.
FOR CHILDREN'S, MISSES', AND LADIES' CIRCULAR AND FLAT UNDERWEAR MADE FROM CLOTH KNITTED OF SILK, "NYLON", RAYON, WOOL, COTTON, OR FROM FABRICS MADE OF ANY COMBINATION OF THE ABOVE.
Claims use since July 25, 1941.

Ser. No. 445,860. RASMUSSEN SHOE COMPANY, Westboro, Mass. Filed Aug. 1, 1941.

Golf-Master

The word "Golf" is disclaimed apart from the mark.
FOR WOMEN'S SHOES OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF.
Claims use since March, 1937.

Ser. No. 446,017. BROWN BROS., New York, N. Y. Filed Aug. 6, 1941.



The word "Hats" is disclaimed apart from the mark.
FOR LADIES' HATS.
Claims use since Mar. 14, 1940.

Ser. No. 446,033. SUZANNE TARDY, doing business as French Art Silk Creations Co., New York, N. Y. Filed Aug. 6, 1941.

d'Orsac

FOR NECKTIES, SCARFS, BATHROBES AND DRESSING GOWNS, DRESS AND NEGLIGEE SHIRTS, UNDERWEAR, HANDKERCHIEFS, HATS, SUITS, COATS, PANTS, VESTS, AND HOSIERY, ALL FOR MEN AND BOYS.
Claims use since May 6, 1941.

Ser. No. 446,142. THE PATRICIA PETTICOAT CO., INC., New York, N. Y. Filed Aug. 11, 1941.

RYTHM SLICKER

FOR WOMEN'S AND MISSES' SLIPS AND PETTICOATS.
Claims use since Nov. 2, 1940.

Ser. No. 446,241. THE PRINTZ-BIEDERMAN COMPANY, Cleveland, Ohio. Filed Aug. 14, 1941.

Teenster

FOR WOMEN'S, MISSES', JUNIORS', TEENS', HALF SIZE, AND CHILDREN'S WEARING APPAREL, PARTICULARLY COATS, SUITS, AND DRESSES.
Claims use since May 15, 1941.

Ser. No. 446,297. LEEDS LTD. COATS, INC., New York, N. Y. Filed Aug. 16, 1941.

LUCKY MAID

FOR WOMEN'S, MISSES', AND JUNIORS' COATS, SUITS, JACKETS, CAPES, SKIRTS, COAT AND SUIT ENSEMBLES, AND SUIT AND CAPE ENSEMBLES.
Claims use since May 1, 1940.

Ser. No. 446,362. HERMAN MANTELL, New York, N. Y. Filed Aug. 19, 1941.

Grace Adorn

FOR HOSIERY.
Claims use since May 16, 1940.

Ser. No. 446,388. FULL-KNIT HOSIERY MILLS, INC., Burlington, N. C. Filed Aug. 20, 1941.

Sokmaster

FOR MEN'S HOSIERY.
Claims use since May 27, 1941.

Ser. No. 446,432. MARIONETTE, INC., Lancaster, Pa. Filed Aug. 21, 1941.

Marionette

FOR CHILDREN'S DRESSES.
Claims use since July 1, 1941.

Ser. No. 446,562. COLLEGIATE MANUFACTURING COMPANY, INC., New York, N. Y. Filed Aug. 27, 1941.

EVENING GLORY

FOR WOMEN'S NIGHTGOWNS, PAJAMAS, SLIPS, PANTIES, VESTS, HOUSECOATS, NEGLIGEES, AND ROBES.
Claims use since Nov. 6, 1940.

Ser. No. 446,986. ARNOLD G. BEHN, Arlington, N. J. Filed Sept. 12, 1941.

George's

FOR BOOTS, SHOES, AND SLIPPERS OF LEATHER, FABRIC, AND/OR COMBINATIONS THEREOF.
Claims use since Aug. 14, 1929.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 445,805. THE CONTINENTAL ELASTIC CORPORATION, New Bedford, Mass. Filed July 31, 1941.

STAYLASTIC

No claim is made to the word "Stay" apart from the mark.
FOR NARROW ELASTIC FABRICS.
Claims use since July 22, 1941.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 446,379. BIANCHINI, FÉRIER, INC., New York, N. Y. Filed Aug. 20, 1941.

Adorable

FOR PIECE GOODS COMPOSED WHOLLY OR IN PART OF SILK, WOOL, HAIR, RAYON, COTTON, HEMP, FLAX, JUTE, ALPHA FIBRE, ALOE FIBRE, VEGETABLE FIBER, OR MIXTURES THEREOF.
Claims use since June 12, 1920.

Ser. No. 446,380. BIANCHINI, FÉRIER, INC., New York, N. Y. Filed Aug. 20, 1941.

Fremissante

FOR PIECE GOODS COMPOSED WHOLLY OR IN PART OF SILK, WOOL, HAIR, RAYON, COTTON, HEMP, FLAX, JUTE, ALPHA FIBRE, ALOE FIBRE, VEGETABLE FIBRE, OR MIXTURES THEREOF.
Claims use since Apr. 26, 1911.

Ser. No. 446,454. THEODORE J. GALLAGHER CO. INC., New York, N. Y. Filed Aug. 22, 1941.

JEWELS OF THE SEA

FOR RAYON AND SILK PIECE GOODS.
Claims use since July 1, 1941.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 446,925. HOLLAND RANTOS CO., INC., New York, N. Y. Filed Sept. 9, 1941.

RANTEX

FOR SURGICAL MASKS AND CAPS.
Claims use since July 30, 1941.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 414,195. VARTOOHI KASPARIAN, doing business as Diamond K. Vineyards, Exeter, Calif., assignor to Diamond K. Vineyards, Inc., a corporation of California. Filed Dec. 24, 1938.

U.S. 99

No claim is made to the letters "U. S." apart from the mark.
FOR FRESH GRAPES.
Claims use since July, 1936.

Ser. No. 424,611. CLARENCE W. WOLFE, doing business as Megs Macaroni Company, Harrisburg, Pa. Filed Oct. 16, 1939.

Cavaliere



FOR MACARONI, ELBOW MACARONI, SPAGHETTI, AND EGG NOODLES.
Claims use since July 1, 1935.

Ser. No. 434,686. THE GALEN COMPANY, INC., Berkeley, Calif. Filed Aug. 4, 1940.

POYO

The applicant is the owner of registration No. 377,615, May 7, 1940.
FOR BEVERAGE CONSISTING OF MILK SUPPLEMENTED WITH POWDERED TARO, COCOA, AND OTHER INGREDIENTS.
Claims use since Apr. 1, 1940.

Ser. No. 437,847. SWIFT AND COMPANY, Chicago, Ill. Filed Nov. 13, 1940.



Applicant is the owner of registration 260,782, August 27, 1929, under the ten-year proviso.
No claim is made to the representation of the container or to the words "Brand," "The," "Bland," and "Lard" except in the association shown. The background is blue, the intersecting lines are white, the central oval panel is red with a white border, and the lettering thereon is in white, the arrow entering the central panel is white, the circular design at the right of the central oval panel comprises a circular red center surrounded by a concentric blue circle and both surrounded by a narrow white border, the circular design at the left of the central oval panel comprises a white border, a blue circle therein, a white letter "S" outlined in red with a blue arrow intersecting the "S" and touching the tips of the letter, and the circle inside the blue line being white on one side of the "S" and red on the other as shown, and the rectangular panels are white with a red line within and slightly removed from the edge of such panels.
FOR LARD.
Claims use since July 13, 1940.

Ser. No. 440,079. BEN C. ADDISON, doing business as Evalyn Marie Products Company, Detroit, Mich., assignor to Shedd Products Company, Detroit, Mich., a corporation of Michigan. Filed Jan. 29, 1941.



The word "Delicieux" is disclaimed apart from the mark. The drawing is lined for blue.
FOR SALAD DRESSING.
Claims use since Feb. 4, 1937.

Ser. No. 441,059. EARL S. PRINCE, doing business as Prince Castles Company, Sterling, Ill. Filed Feb. 27, 1941.

CASTLEBURGER

FOR HAMBURGER SANDWICHES.
Claims use since Dec. 1, 1940.

Ser. No. 442,903. JAMES A. HAYES, Yonkers, N. Y. Filed Apr. 24, 1941.

Staff

FOR BREAD.
Claims use since 1938.

Ser. No. 443,276. THE ATLANTIC MACARONI CO. INC., Long Island City, N. Y. Filed May 6, 1941.

CARUSO "Pasta-Fazul"



Applicant is owner of trade-mark registrations No. 108,077, Jan. 18, 1916; No. 122,003, June 18, 1918; and No. 149,825, Dec. 27, 1921. The portrait is that of Enrico Caruso, deceased. No claim is made to the words "Pasta Fazul" apart from the mark.
FOR SOUP MIX.
Claims use since Feb. 21, 1941.

Ser. No. 444,827. FRILLS, INC., Chicago, Ill. Filed June 25, 1941.

Kobs

FOR CANDIED POPCORN.
Claims use since May 15, 1941.

Ser. No. 444,848. UNITED STATES DEPARTMENT OF AGRICULTURE, Washington, D. C. Filed June 24, 1941.



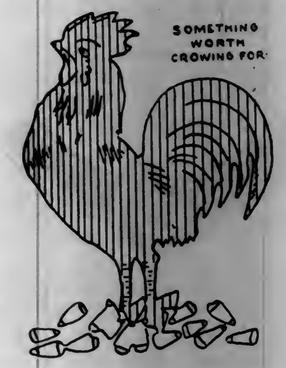
No claim is made to the representation of the chick or the map of the United States apart from the mark.
FOR LIVE POULTRY AND EGGS.
Claims use since Oct. 12, 1936.

Ser. No. 444,930. M. DE ROSA INC., New York, N. Y. Filed June 28, 1941.

DELIA BRAND

No claim is made to the word "Brand."
FOR CANNED TOMATOES AND TOMATO PASTE.
Claims use since September, 1935.

Ser. No. 445,152. GOELITZ CONFECTIONERY CO., North Chicago, Ill. Filed July 7, 1941.



The representations of candy corn kernels are disclaimed apart from the mark. The drawing is lined for red.
FOR CANDY.
Claims use since 1908.

Ser. No. 445,435. J. P. RANKIN, Bakersfield, Calif. Filed July 17, 1941.



The word "Tang" is disclaimed apart from the mark.
FOR GROUND BEEF AND PORK SANDWICHES.
Claims use since July 2, 1941.

Ser. No. 445,756. SOUTH CAROLINA PEACH GROWERS ASSOCIATION, Spartanburg, S. C. Filed July 29, 1941.

Pie Gold

No claim is made to the word "Pie" apart from the mark.
FOR CANNED PEACHES.
Claims use since July, 1940.

Ser. No. 446,025. LENA JANSSEN, doing business as Janssen's Rural Poultry Farm and Hatchery, Zeeland, Mich. Filed Aug. 6, 1941.



The word "Dutch" is disclaimed apart from the mark.
FOR BABY CHICKS.
Claims use since Jan. 15, 1941.

Ser. No. 446,278. OMAR INCORPORATED, Omaha, Nebr. Filed Aug. 15, 1941.

OMAR



FOR CORN MEAL, RYE FLOUR, AND PREPARED PANCAKE FLOUR.
Claims use since Oct. 18, 1928, on corn meal, since Nov. 1, 1930, on rye flour, and since June 24, 1941, on prepared pancake flour.

Ser. No. 446,305. ANNA E. RUSSELL, Greenwich, Conn. Filed Aug. 16, 1941.

SHELDONCROFT

FOR CATTLE.
Claims use since 1929.

Ser. No. 446,413. FRANCES BONILLA, Long Island City, N. Y. Filed Aug. 21, 1941.

DENILAC

FOR POWDERED MODIFIED MILK PRODUCT ESPECIALLY PREPARED FOR INFANT FEEDING.
Claims use since May 12, 1941.

Ser. No. 446,736. HILLSIDE CITRUS CO., INC., Riverside, Calif. Filed Sept. 2, 1941.

Riverside King

No claim is made to the word "Riverside" apart from the mark.
FOR FRESH CITRUS FRUITS.
Claims use since Aug. 17, 1941.

CLASS 47

WINES

Ser. No. 441,709. PETERS HERMANOS COMPAÑIA COMERCIAL E INDUSTRIAL S. A., Buenos Aires, Argentina. Filed Mar. 19, 1941.

OTTONE

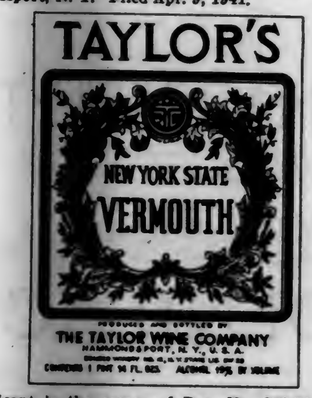
FOR WINES AND VERMOUTH.
Claims use since March, 1919.

Ser. No. 442,434. THE TAYLOR WINE COMPANY, Hammondsport, N. Y. Filed Apr. 9, 1941.



Applicant is the owner of Reg. No. 378,714, under the 10-year proviso. The outline of the label and all notations except "Taylor's", "The Taylor Wine Company", and "Royal" are disclaimed apart from the mark.
FOR CHAMPAGNE WINES.
Claims use since Sept. 3, 1940.

Ser. No. 442,435. THE TAYLOR WINE COMPANY, Hammondsport, N. Y. Filed Apr. 9, 1941.



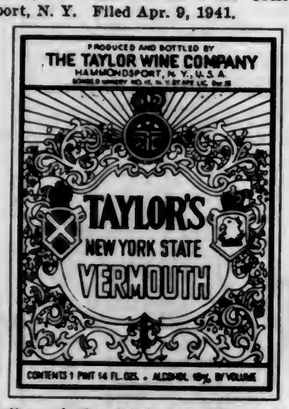
Applicant is the owner of Reg. No. 378,714, for the name "Taylor's" effected under the 10-year proviso. All notations including the outline of the label, with the exception of "Taylor's", "The Taylor Wine Company", and the monogram "TWCO" are disclaimed apart from the mark.
FOR VERMOUTH WINES.
Claims use since Oct. 12, 1940.

Ser. No. 442,436. THE TAYLOR WINE COMPANY, Hammondsport, N. Y. Filed Apr. 9, 1941.



The word "Quality" is disclaimed apart from the mark. Applicant is the owner of Reg. No. 378,714, under the 10-year proviso.
FOR WINES.
Claims use since Sept. 3, 1940.

Ser. No. 442,437. THE TAYLOR WINE COMPANY, Hammondsport, N. Y. Filed Apr. 9, 1941.



The outline of the label and all notations except "Taylor's", "The Taylor Wine Company", and the monogram "TWCO" are disclaimed apart from the mark. Applicant is the owner of Reg. No. 378,714, under the 10-year proviso.
FOR VERMOUTH WINES.
Claims use since Oct. 12, 1940.

Ser. No. 444,177. DISTILLED LIQUORS IMPORT CO., INC., New York, N. Y. Filed June 4, 1941.

BUVARO

FOR WINES.
Claims use since Nov. 19, 1940.

Ser. No. 445,915. BENEGAS HERMANOS Y COMPAÑIA LIMITADA SOCIEDAD ANÓNIMA INDUSTRIAL Y COMERCIAL, Buenos Aires, Argentina. Filed Aug. 4, 1941.

PUENTE VIEJO

FOR WINES IN GENERAL.
Claims use since May 16, 1941.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 434,829. GULF BREWING COMPANY, Houston, Tex. Filed Aug. 9, 1940.



No claim is made for the words "Gulf Brewing", "Houston", and "Beer". The drawing is lined for red, orange, and blue.
FOR LAGER BEER.
Claims use since Dec. 14, 1933.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 441,710. PETERS HERMANOS COMPAÑIA COMERCIAL E INDUSTRIAL S. A., Buenos Aires, Argentina. Filed Mar. 19, 1941.

OTTONE

FOR ALCOHOLIC BITTERS, ALCOHOLIC APERITIVES, LIQUEURS, AND BITTERS FOR FLAVORING ALCOHOLIC BEVERAGES.
Claims use since March, 1919.

Ser. No. 443,173. SIMPSON & BARKER, INC., St. Louis, Mo. Filed May 1, 1941.

SIMPSON & BARKER'S
KENTUCKY STILL



The words "Simpson & Barker's", "Kentucky", "Still", and "Quality Liquors" are disclaimed apart from the mark. The drawing is lined for yellow and red.
FOR WHISKEY.
Claims use since May 1, 1940.

Ser. No. 443,365. KRAUS BROS. & CO. INC., New York, N. Y. Filed May 8, 1941.

MARTINET

FOR BRANDY.
Claims use since Apr. 4, 1941.

Ser. No. 444,434. WALTER E. BALLANTYNE, doing business as Walter Ballantyne & Son, St. Boswells, Scotland. Filed June 12, 1941.

Walter Ballantyne & Son

SIGNATURE

The name "Walter Ballantyne & Son" is written in applicant's own handwriting. The word "Signature" is disclaimed apart from the mark.
FOR WHISKY.
Claims use since Nov. 25, 1940.

Ser. No. 445,989. ANGEL P. JULIA, doing business as Cia Licorera Julia, Santurce, P. R. Filed Aug. 5, 1941.



The notation "Ron" and the word "Spirit" are disclaimed apart from the mark. The word "Julia" comprises the surname of applicant and his autographic signature.
FOR RUM.
Claims use since Jan. 3, 1938.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

OCTOBER 21, 1941

391,031. WHISKEY. KELLY BROTHERS COMPANY, Minneapolis, Minn.
Filed May 31, 1939. Serial No. 420,008. PUBLISHED AUGUST 1, 1939. Class 49.

391,032. CARPET SWEEPERS. ALLIED STORES CORPORATION, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash.
Filed April 4, 1941. Serial No. 442,249. PUBLISHED AUGUST 12, 1941. Class 23.

391,033. FLUORESCENT ELECTRIC LAMPS. MAX HERR, Chicago, Ill.
Filed April 7, 1941. Serial No. 442,359. PUBLISHED AUGUST 12, 1941. Class 21.

391,034. SENSITIZED DIRECT POSITIVE PAPER AND CLOTH, SENSITIZED BLUE PRINT PAPER AND CLOTH, ETC. SPAULDING-MOSS COMPANY, Boston, Mass.
Filed April 16, 1941. Serial No. 442,640. PUBLISHED AUGUST 12, 1941. Class 26.

391,035. ADVERTISING MATERIAL SOLD TO THE TRADE AS SUCH. BELNAP AND THOMPSON, INC., Chicago, Ill.
Filed October 5, 1939. Serial No. 424,231. PUBLISHED AUGUST 12, 1941. Class 38.

391,036. GASKETS. TURBINE SEWER MACHINE COMPANY, Milwaukee, Wis.
Filed December 26, 1939. Serial No. 426,914. PUBLISHED AUGUST 12, 1941. Class 35.

391,037. SECTION OR COLUMN APPEARING IN A NEWSPAPER OR PERIODICAL. HENRIETTA RIPPERGER, Brooklyn, N. Y.
Filed February 14, 1940. Serial No. 428,561. PUBLISHED AUGUST 12, 1941. Class 38.

391,038. COMBINED SHOE POLISH APPLICATOR AND SHOE BRUSH. PITTSBURGH APPLICATOR CO., Pittsburgh, Pa., assignor to Epily C. Deitrich, Pittsburgh, Pa.
Filed May 20, 1940. Serial No. 432,154. PUBLISHED AUGUST 5, 1941. Class 29.

391,039. DECALCOMANIAS. AMERICAN DECALCOMANIA CO., INC., Chicago, Ill.
Filed May 27, 1940. Serial No. 432,371. PUBLISHED AUGUST 12, 1941. Class 38.

391,040. DENTAL CERAMIC MATERIALS THAT ARE MARKETED AS A COMPLETE KIT FOR THE DENTIST TO USE IN MAKING ALTERATIONS AND ADDITIONS TO PORCELAIN TOOTH PRODUCTS. THE COLUMBUS DENTAL MANUFACTURING COMPANY, Columbus, Ohio.
Filed June 27, 1940. Serial No. 433,428. PUBLISHED AUGUST 12, 1941. Class 44.

391,041. PLUMBING FAUCET AND VALVE WASHERS. EDWARD WALKER, doing business as No-Pans Washer Co., Cliffside Park, N. J.
Filed July 6, 1940. Serial No. 433,747. PUBLISHED AUGUST 12, 1941. Class 13.

391,042. PUBLICATION, A MAGAZINE ON NEEDLECRAFT PUBLISHED ANNUALLY. NATIONAL NEEDLECRAFT BUREAU, New York, N. Y.
Filed August 14, 1940. Under act of February 20, 1905, as amended June 10, 1938. Serial No. 434,993. PUBLISHED AUGUST 12, 1941. Class 38.

391,043. PIECE GOODS OF COTTON, SILK, RAYON, AND MIXTURES THEREOF. SOUTHERN SILK MILLS, Spring City, Tenn.
Filed October 7, 1940. Serial No. 436,707. PUBLISHED AUGUST 5, 1941. Class 42.

391,044. CURTAINS, DRAPERIES, DRAPERY FABRICS, SLIP COVER MATERIALS, AND BEDSPREADS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed November 20, 1940. Serial No. 438,089. PUBLISHED AUGUST 5, 1941. Class 42.

391,045. ANTIFRICTION BEARINGS AND PARTS THEREOF. GENERAL MOTORS CORPORATION, Detroit, Mich.
Filed December 13, 1940. Serial No. 438,800. PUBLISHED AUGUST 12, 1941. Class 23.

391,046. FRESH DECIDUOUS FRUITS. GALLAGHER FRUIT COMPANY, San Jose, Calif.
Filed December 16, 1940. Serial No. 438,876. PUBLISHED AUGUST 12, 1941. Class 46.

391,047. WHEAT FLOUR. STANDARD MILLING COMPANY, New York, N. Y.
Filed December 23, 1940. Serial No. 439,129. PUBLISHED AUGUST 12, 1941. Class 46.

391,048. POTATOES. MICHIGAN POTATO GROWERS' EXCHANGE, INC., Cadillac, Mich.
Filed December 26, 1940. Serial No. 439,203. PUBLISHED AUGUST 12, 1941. Class 46.

391,049. WINES. SOCIEDAD ANONIMA VIÑEDOS Y BODEGAS ARIZU, Buenos Aires, Argentina.
Filed December 27, 1940. Serial No. 439,242. PUBLISHED JULY 1, 1941. Class 47.

391,050. THERMAL INSULATING MATERIAL. WOOLSULATE, INCORPORATED, Salt Lake City, Utah.
Filed January 17, 1941. Serial No. 439,766. PUBLISHED AUGUST 5, 1941. Class 12.

391,051. MEASURING AND DISPENSING APPARATUS FOR GASOLINES OR OTHER LIQUIDS. S. F. BOWSER & COMPANY, INCORPORATED, Fort Wayne, Ind.
Filed January 21, 1941. Serial No. 439,799. PUBLISHED AUGUST 12, 1941. Class 26.

391,052. INSTRUMENT FOR CHECKING THE PACES OR TIMING OF PACES OF MARCHING PERSON OR PERSONS. JOHN R. ELLIOTT, Philadelphia, Pa.
Filed February 5, 1941. Serial No. 440,323. PUBLISHED AUGUST 12, 1941. Class 26.

391,053. WINE. CONSTANTINE J. SKOURAS, New York, N. Y.
Filed February 10, 1941. Serial No. 440,525. PUBLISHED JULY 1, 1941. Class 47.

391,054. WINE. CONSTANTINE J. SKOURAS, New York, N. Y.
Filed February 10, 1941. Serial No. 440,526. PUBLISHED JULY 1, 1941. Class 47.

391,055. CANNED FRUITS AND CANNED VEGETABLES. TRI-VALLEY PACKING ASSOCIATION, San Francisco, Calif.
Filed February 21, 1941. Serial No. 440,891. PUBLISHED AUGUST 12, 1941. Class 46.

391,056. WINES. MIGLIORETTI BROTHERS, also doing business as Lincoln Wine Company and Embros Wine Company, Baltimore, Md.
Filed February 27, 1941. Serial No. 441,057. PUBLISHED AUGUST 5, 1941. Class 47.

391,057. SOAP. ROBERT BROWN, doing business as Coffette Co., Long Island City and New York, N. Y.
Filed March 6, 1941. Serial No. 441,277. PUBLISHED AUGUST 12, 1941. Class 4.

391,058. BLACK CARBON PIGMENT FOR USE IN THE PAINT INDUSTRY. THE PEERLESS CARBON BLACK COMPANY, Pittsburgh, Pa.
Filed March 12, 1941. Serial No. 441,486. PUBLISHED AUGUST 5, 1941. Class 16.

391,059. PHONOGRAPH RECORDS. CARL GOER PRINTING CO., Chicago, Ill.
Filed March 15, 1941. Serial No. 441,573. PUBLISHED AUGUST 12, 1941. Class 36.

391,060. MILLINERY BRAIDS. HENRY POLLAK, INC., New York, N. Y.
Filed March 17, 1941. Serial No. 441,628. PUBLISHED AUGUST 5, 1941. Class 40.

391,061. CHAMPAGNE. ANTON REICHMUTH, doing business as Tony's Winery and Grand Life Champagne Winery, San Francisco, Calif.
Filed March 24, 1941. Serial No. 441,876. PUBLISHED JULY 15, 1941. Class 47.

391,062. KNIT DIAPER CLOTH, KNIT TOWELS, KNIT WASH CLOTHES, KNIT SHEETS, ALSO BLANKETS FOR BABIES. BABY'S BOUDOIR, Portland, Oreg.
Filed March 25, 1941. Serial No. 441,899. PUBLISHED AUGUST 5, 1941. Class 42.

391,063. TOYS SIMULATING LARIATS. SPOTSWOOD SPECIALTY COMPANY, Lexington, Ky.
Filed April 21, 1941. Serial No. 442,806. PUBLISHED AUGUST 12, 1941. Class 22.

391,064. BURN-OUT GAMES. THE ATLANTIC REFINING COMPANY, Philadelphia, Pa.
Filed April 22, 1941. Serial No. 442,821. PUBLISHED AUGUST 12, 1941. Class 22.

391,065. BURN-OUT GAMES. THE ATLANTIC REFINING COMPANY, Philadelphia, Pa.
Filed April 22, 1941. Serial No. 442,822. PUBLISHED AUGUST 12, 1941. Class 22.

391,066. LENS CLEANING FLUID. GUILD OF PRESCRIPTION OPTICIANS OF AMERICA, INC., Philadelphia, Pa.
Filed April 22, 1941. Under act of February 20, 1905, as amended June 10, 1938. Serial No. 442,846. PUBLISHED JUNE 24, 1941. Class 4.

391,067. PUBLICATIONS RELEASED FROM TIME TO TIME AND WHICH PUBLICATIONS ADVERTISE THE APPLICANT'S PAINTS AS WELL AS DIFFUSE USEFUL GENERAL INFORMATION RELATING TO EXTERIOR AND INTERIOR PAINTING AND DECORATING. THE GLIDDEN COMPANY, Cleveland, Ohio.
Filed April 24, 1941. Serial No. 442,901. PUBLISHED AUGUST 12, 1941. Class 38.

391,068. BEARD SOFTENER AND A MENTHOLATED AND MEDICATED BRUSHLESS SHAVING CREAM. STUB COMPANY, Brooklyn, N. Y.
Filed April 24, 1941. Serial No. 442,920. PUBLISHED AUGUST 12, 1941. Class 4.

391,069. OLIVE OIL, VINEGAR, AND SPANISH CAPERS. P. UNANUE, New York, N. Y.
Filed April 24, 1941. Serial No. 442,923. PUBLISHED AUGUST 12, 1941. Class 46.

391,070. EXTRUDED PLASTIC MOLDINGS, SUCH AS EXTRUDED PLASTIC ASTRAGALS, BINDER BARS, CAP MOLDS, COVES, ETC. THE WILSON METAL PRODUCTS COMPANY, Columbus, Ohio.
Filed May 1, 1941. Serial No. 443,178. PUBLISHED AUGUST 5, 1941. Class 12.

391,071. PERIODICAL PUBLICATION. LICENSEE, INC., Washington, D. C.
Filed May 2, 1941. Serial No. 443,214. PUBLISHED AUGUST 12, 1941. Class 38.

391,072. VEGETABLE FAT AND OIL FOR PUFF PASTRY SHORTENING. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio.
Filed May 3, 1941. Serial No. 443,237. PUBLISHED AUGUST 12, 1941. Class 46.

391,073. RUGS AND CARPETS. RUGLATEX CARPET MILLS COMPANY, Chicago, Ill.
Filed May 5, 1941. Serial No. 443,269. PUBLISHED AUGUST 5, 1941. Class 42.

391,074. FLOOR MERCHANDISE DISPLAY BINS AND CONTAINERS IN THE FORM OF FLOOR STANDS FOR DISPLAYING MERCHANDISE IN RETAIL STORES. CORRO-LITH CORPORATION, New York, N. Y.
Filed May 9, 1941. Serial No. 443,398. PUBLISHED AUGUST 12, 1941. Class 2.

391,075. RADIO RECEIVING SETS. HENRY J. DOW, doing business as Trophy Radio Co., St. Paul, Minn.
Filed May 9, 1941. Serial No. 443,406. PUBLISHED AUGUST 12, 1941. Class 21.

391,076. RADIO RECEIVING SETS. HENRY J. DOW, doing business as Trophy Radio Co., St. Paul, Minn.
Filed May 9, 1941. Serial No. 443,407. PUBLISHED AUGUST 12, 1941. Class 21.

391,077. RADIO RECEIVING SETS. HENRY J. DOW, doing business as Trophy Radio Co., St. Paul, Minn.
Filed May 9, 1941. Serial No. 443,408. PUBLISHED AUGUST 12, 1941. Class 21.

391,078. VERMOUTH. ITALIAN AMERICAN WINE CO., INC., New York, N. Y.
Filed May 14, 1941. Serial No. 443,569. PUBLISHED JULY 22, 1941. Class 47.

391,079. TOGGLE BOLTS. STAR EXPANSION BOLT COMPANY, New York, N. Y.
Filed May 14, 1941. Serial No. 443,586. PUBLISHED AUGUST 12, 1941. Class 13.

391,080. VERMOUTHS—NAMELY, SWEET AND DRY VERMOUTHS. VERNAT, INC., New York, N. Y.
Filed May 14, 1941. Serial No. 443,587. PUBLISHED JULY 22, 1941. Class 47.

391,081. PERIODICAL. THE GERARD PUBLISHING CO., New York, N. Y.
Filed May 15, 1941. Serial No. 443,600. PUBLISHED AUGUST 12, 1941. Class 38.

391,082. MUSIC STANDS. KRAUTH & BENNINGHOFEN, Hamilton, Ohio.
Filed May 15, 1941. Serial No. 443,606. PUBLISHED AUGUST 12, 1941. Class 36.

391,083. AIRPLANE DUAL CONTROL COLUMNS, TAB CONTROLS (AILERON, RUDDER, AND ELEVATOR), AND PILOT'S RUDDER PEDAL ASSEMBLIES. RITTER DENTAL MANUFACTURING COMPANY, INC., Rochester, N. Y.
Filed May 19, 1941. Serial No. 443,701. PUBLISHED AUGUST 5, 1941. Class 19.

391,084. MISCELLANEOUS ELECTRIC COILS AND ELECTRIC MOTORS ESPECIALLY ADAPTED FOR AIRCRAFT USE. RITTER DENTAL MANUFACTURING COMPANY, INC., Rochester, N. Y.
Filed May 19, 1941. Serial No. 443,702. PUBLISHED AUGUST 12, 1941. Class 21.

391,085. CLINICAL THERMOMETERS, THERMOMETERS, BAROMETERS, AND COMPASSES. TAYLOR INSTRUMENT COMPANIES, Rochester, N. Y.
Filed May 21, 1941. Serial No. 443,785. PUBLISHED AUGUST 12, 1941. Class 26.

391,086. THERMOMETERS, BAROMETERS, ALTIMETERS. COMPASSES. SPHYGMOMANOMETER PARTS, RECORDING CHARTS AND RELATIVE HUMIDITY INDICATING DEVICES. TAYLOR INSTRUMENT COMPANIES, Rochester, N. Y.
Filed May 21, 1941. Serial No. 443,786. PUBLISHED AUGUST 12, 1941. Class 26.

391,087. PORTABLE AND FIXED FIRE ESCAPES, CHUTES AND PARTS THEREOF. E & E MANUFACTURING COMPANY, Detroit, Mich.
Filed May 22, 1941. Serial No. 443,806. PUBLISHED AUGUST 5, 1941. Class 12.

391,088. LADIES' HAND BAGS. GOLD SEAL IMPORTERS, INCORPORATED, New York, N. Y.
Filed May 24, 1941. Serial No. 443,880. PUBLISHED AUGUST 12, 1941. Class 3.

391,089. FRESH VEGETABLES, FRESH DECIDUOUS FRUITS AND MELONS. SOUTH IMPERIAL VALLEY GROWERS COOPERATIVE ASSOCIATION, INC., El Centro, Calif.
Filed May 26, 1941. Serial No. 443,957. PUBLISHED AUGUST 12, 1941. Class 46.

391,090. COMBINATION OF PEANUT, COTTONSEED, CORN OILS, AND OLIVE OIL USED FOR COOKING AND TABLE USES. UDDO TAORMINA CORP., Brooklyn, N. Y.
Filed May 26, 1941. Serial No. 443,962. PUBLISHED AUGUST 12, 1941. Class 46.

391,091. CLEANER FOR AUTOMOBILE BODIES. THE ATLANTIC REFINING COMPANY, Philadelphia, Pa.
Filed May 27, 1941. Serial No. 443,969. PUBLISHED AUGUST 12, 1941. Class 4.

391,092. WINES. MUSCAT CO-OPERATIVE WINERY ASSOCIATION, Kingsburg, Calif.
Filed May 28, 1941. Serial No. 444,008. PUBLISHED JULY 29, 1941. Class 47.

391,093. FACE AND BATH TOWELS. H. W. BAKER LINEN COMPANY, New York, N. Y.
Filed May 29, 1941. Serial No. 444,034. PUBLISHED AUGUST 5, 1941. Class 42.

391,094. LITHO PRINTS. SPAULDING-MOSS COMPANY, Boston, Mass.
Filed May 31, 1941. Serial No. 444,102. PUBLISHED AUGUST 12, 1941. Class 38.

391,095. ULTRA SHORT WAVE AND SHORT WAVE DIATHERMY DEVICES FOR TREATMENT OF HUMAN BEINGS. LEE DE FOREST LABORATORIES, Los Angeles, Calif.
Filed June 9, 1941. Serial No. 444,343. PUBLISHED AUGUST 12, 1941. Class 44.

391,096. ULTRA SHORT WAVE AND SHORT WAVE DIATHERMY DEVICES FOR THE TREATMENT OF HUMAN BEINGS. LEE DE FOREST LABORATORIES, Los Angeles, Calif.
Filed June 9, 1941. Serial No. 444,344. PUBLISHED AUGUST 12, 1941. Class 44.

391,097. METAL TUBES AND TUBING. LEWIN-MATHES COMPANY, East St. Louis, Ill.
Filed June 9, 1941. Serial No. 444,345. PUBLISHED AUGUST 12, 1941. Class 13.

391,098. PIANOS. AMERICAN PIANO CORPORATION, New York, N. Y.
Filed June 10, 1941. Serial No. 444,371. PUBLISHED AUGUST 12, 1941. Class 36.

391,099. VELVET PIECE GOODS. THE FIRST TEXTILE CORPORATION, New York, N. Y.
Filed June 11, 1941. Serial No. 444,403. PUBLISHED AUGUST 5, 1941. Class 42.

391,100. RUBBER HEELS AND SOLES. THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio.
Filed June 11, 1941. Serial No. 444,407. PUBLISHED AUGUST 12, 1941. Class 39.

391,101. WIND INSTRUMENTS, PARTICULARLY CORNETS, TRUMPETS, TROMBONES, CLARINETS, SAXOPHONES, AND BASSES. THE H. N. WHITE COMPANY, Cleveland, Ohio.
Filed June 11, 1941. Serial No. 444,429. PUBLISHED AUGUST 12, 1941. Class 36.

391,102. WOOLEN PIECE GOODS. FORSTMANN WOOLEN CO., Passaic, N. J.
Filed June 12, 1941. Serial No. 444,443. PUBLISHED AUGUST 5, 1941. Class 42.

391,103. WOOLEN PIECE GOODS. FORSTMANN WOOLEN CO., Passaic, N. J.
Filed June 12, 1941. Serial No. 444,444. PUBLISHED AUGUST 5, 1941. Class 42.

391,104. WOOLEN PIECE GOODS. FORSTMANN WOOLEN CO., Passaic, N. J.
Filed June 12, 1941. Serial No. 444,445. PUBLISHED AUGUST 5, 1941. Class 42.

391,105. PLASTIC SEALING COMPOUNDS HAVING ELECTRICAL INSULATING PROPERTIES FOR USE IN OPENINGS AROUND ELECTRICAL CONDUITS, RECEPTACLES, AND FIXTURES. HALOWAX CORPORATION, New York, N. Y.
Filed June 12, 1941. Serial No. 444,451. PUBLISHED AUGUST 12, 1941. Class 21.

391,106. TRAVELERS FOR USE ON SPINNING AND TWISTING RINGS. NATIONAL RING TRAVELER CO., Pawtucket, R. I.
Filed June 12, 1941. Serial No. 444,466. PUBLISHED AUGUST 12, 1941. Class 23.

391,107. PAPER BAGS. SUPERIOR-LAWRENCE BAG COMPANY, Middletown, Ohio.
Filed June 12, 1941. Serial No. 444,476. PUBLISHED AUGUST 12, 1941. Class 2.

391,108. MAGAZINE PUBLICATION. ALL-AMERICAN COMICS, INC., New York, N. Y.
Filed June 13, 1941. Serial No. 444,484. PUBLISHED AUGUST 12, 1941. Class 38.

391,109. COMPRESSIBLE PLUG FOR THE OUTER END OF THE EAR CANAL TO PLUG IT AGAINST NOISES FROM THE EXTERIOR. FLENTS PRODUCTS CO. INC., New York, N. Y.
Filed June 13, 1941. Serial No. 444,493. PUBLISHED AUGUST 12, 1941. Class 44.

391,110. LIGHTNING PROTECTION DEVICES. W. N. MATTHEWS CORPORATION, St. Louis, Mo.
Filed June 13, 1941. Serial No. 444,508. PUBLISHED AUGUST 12, 1941. Class 21.

391,111. PUBLICATION BEING THE OFFICIAL ORGAN OF THE APPLICANT FRATERNAL ORGANIZATION. ORDEN CABALLERO DE LA LUZ, Tampa, Fla.
Filed June 16, 1941. Serial No. 444,578. PUBLISHED AUGUST 12, 1941. Class 38.

391,112. COMIC DRAWINGS, PUBLISHED IN DAILY AND SUNDAY NEWSPAPERS. NEA SERVICE, INC., Cleveland, Ohio.
Filed June 17, 1941. Serial No. 444,602. PUBLISHED AUGUST 12, 1941. Class 38.

391,113. SHOWER CURTAINS, AND MATCHING WINDOW DRAPES AND SHOWER CURTAINS SOLD TOGETHER AS A UNIT. PARA MANUFACTURING CO., INC., Newark, N. J.
Filed June 17, 1941. Serial No. 444,607. PUBLISHED AUGUST 12, 1941. Class 13.

391,114. CLEANING SOLVENTS FOR GENERAL HOUSEHOLD, PROFESSIONAL, AND COMMERCIAL CLEANING. STANDARD OIL COMPANY OF CALIFORNIA, Wilmington, Del., and San Francisco, Calif.
Filed June 18, 1941. Serial No. 444,660. PUBLISHED AUGUST 12, 1941. Class 4.

391,115. TOILET SOAPS. ELIZABETH ARDEN SALES CORPORATION, New York, N. Y.
Filed June 24, 1941. Serial No. 444,785. PUBLISHED AUGUST 12, 1941. Class 4.

391,116. VENETIAN BLINDS AND SLIP COVERS FOR FURNITURE. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed June 28, 1941. Serial No. 444,945. PUBLISHED AUGUST 12, 1941. Class 32.

391,117. LADIES' HANDBAGS. ROBERT APPEL, New York, N. Y.
Filed July 2, 1941. Serial No. 445,004. PUBLISHED AUGUST 12, 1941. Class 3.

391,118. MACHINERY PACKING. THE ANCHOR PACKING COMPANY, Philadelphia, Pa.
Filed July 3, 1941. Serial No. 445,032. PUBLISHED AUGUST 12, 1941. Class 35.

391,119. PNEUMATIC TIRES. THE GENERAL TIRE & RUBBER COMPANY, Akron, Ohio.
Filed July 3, 1941. Serial No. 445,054. PUBLISHED AUGUST 12, 1941. Class 35.

391,120. HAND LUGGAGE CASES EQUIPPED WITH GARMENT CARRYING FIXTURES, HAT BOXES, OVERNIGHT CASES, PULLMAN CASES, AND SHOE CASES. HARTMANN TRUNK COMPANY, Racine, Wis.
Filed July 3, 1941. Serial No. 445,055. PUBLISHED AUGUST 12, 1941. Class 3.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

391,121. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) BRUNSWIG DRUG CO., Los Angeles, Calif. Filed June 27, 1939. Serial No. 420,988.

REDFERN

FOR WHISKEY.
Claims use since June 15, 1939.

391,122. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) MEMOVOX, INC., Los Angeles, Calif. Filed Jan. 19, 1940. Serial No. 427,635.



FOR PLASTIC RECORD BLANKS IN DISC FORM.
Claims use since July 30, 1939.

391,123. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed July 24, 1940. Serial No. 434,279.

PAN AMERICAN

FOR TIRES COMPOSED WHOLLY OR PRINCIPALLY OF RUBBER AND INNER TUBES THEREFOR.
Claims use since July 3, 1940.

391,124. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) E. M. FLEISCHMANN DISTILLING CORPORATION, Lansdowne, Md. Filed Aug. 12, 1940. Serial No. 434,906.

OLD BATES

FOR WHISKEY.
Claims use since July 11, 1940.

391,125. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) E. M. FLEISCHMANN DISTILLING CORPORATION, Lansdowne, Md. Filed Aug. 12, 1940. Serial No. 434,909.

Lansdowne

FOR WHISKEY.
Claims use since Oct. 20, 1939.

391,126. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) E. M. FLEISCHMANN DISTILLING CORPORATION, Lansdowne, Md. Filed Aug. 12, 1940. Serial No. 434,910.

PIKES PEAK

FOR WHISKEY.
Claims use since Mar. 21, 1940.

391,127. (CLASS 12. CONSTRUCTION MATERIALS.) NORMAN T. HAMLIN, San Francisco, Calif. Filed Sept. 3, 1940. Serial No. 435,616.

E-Z LAY
GRAVITY FLOOR

FOR FLOORING MATERIAL AND ACCESSORIES THEREFOR AND COMPRISING BLOCKS AND CONNECTORS.
Claims use since June 3, 1940.

391,128. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OAKLAND CANNING COMPANY, Oakland, Calif. Filed Sept. 4, 1940. Serial No. 435,666.

MILLBRAE

FOR CANNED FRUITS, CANNED VEGETABLES.
Claims use since July 17, 1940.

391,129. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WALTER H. ESCH, Chicago, Ill. Filed Oct. 9, 1940. Serial No. 436,761.

DIGESTER

FOR COMPOUND USED FOR CLEANING BOILERS, AND HOT WATER COILS.
Claims use since September, 1940.

391,130. (CLASS 38. PRINTS AND PUBLICATIONS.) ZIFF-DAVIS PUBLISHING COMPANY, Chicago, Ill. Filed Nov. 25, 1940. Serial No. 438,229.

PHOTOGRAPHIC Trade News

FOR PERIODICAL.
Claims use since Aug. 18, 1940.

391,131. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) RAYMOND BREWER, doing business as Better Products Company, Marion, Ind. Filed Dec. 24, 1940. Serial No. 439,151.

Better Brand

FOR SHOE LACES, FOR BOBBY PINS FOR WOMEN'S HAIR, AND FOR COMBS FOR MEN AND WOMEN.
Claims use since June 1, 1935, on shoe laces; since May, 1937, on bobby pins and combs.

391,132. (CLASS 37. PAPER AND STATIONERY.) BALDWIN COMPANY, INC., Atlantic City, N. J. Filed Mar. 25, 1941. Serial No. 441,900.

BALDWIN

FOR FOUNTAIN PENS AND MECHANICAL PENCILS.
Claims use since Dec. 1, 1928.

391,133. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) BENEKE CORPORATION, Columbus, Miss. Filed May 26, 1941. Serial No. 443,913.

COLUMBIAN

FOR TOILET SEATS.
Claims use since April, 1940.

391,134. (CLASS 38. PRINTS AND PUBLICATIONS.) MCGRAW-HILL PUBLISHING COMPANY, INC., New York, N. Y. Filed July 9, 1941. Serial No. 445,205.

electronics

FOR PERIODICAL PUBLISHED MONTHLY.
Claims use since Apr. 15, 1930.

391,135. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SCHECK-LOEWE, INC., New York, N. Y. Filed Aug. 7, 1941. Serial No. 446,064.

Brookdale GABARDINE

FOR COTTON PIECE GOODS.
Claims use since January, 1940.

TRADE-MARK REGISTRATIONS RENEWED

20,721. **VICI.** SHOES. Registered February 16, 1892. ROBERT H. FOERDERER. Re-renewed February 16, 1942, to Robert H. Foerderer, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania, assignee.

134,199. **WALES.** ADDING, LISTING, AND CALCULATING MACHINES. Registered August 17, 1920. WALES ADDING MACHINE COMPANY, Kingston, Pa. Renewed August 17, 1940, to Allen-Wales Adding Machine Corporation, New York, N. Y., a corporation of New Jersey, successor.

146,182. **HORKINO.** A RECONSTRUCTIVE TONIC. Registered September 6, 1921. BOSAK MANUFACTURING CO. Renewed September 6, 1941, to Gold Seal Manufacturing Company, Scranton, Pa., a corporation of Pennsylvania, by change of name.

146,864. **GINTONE.** COLD-CREAMS, VANISHING CREAMS, TOILET WATERS, HAIR-DRESSINGS, GENERAL AND MEDICINAL TONICS. Registered September 20, 1921. Emil D. Schneider. Renewed September 20, 1941, to Victor Brog, Memphis, Tenn., assignee.

146,907. **MELLOWEST.** DRIED FRUITS. Registered September 20, 1921. WASHINGTON GROWERS PACKING CORPORATION, Vancouver, Wash., a corporation of Washington. Renewed September 20, 1941.

147,420. **KITCOAT.** WATERPROOF COATS. Registered October 11, 1921. A. J. TOWER COMPANY, Boston, Mass., a corporation of Massachusetts. Renewed October 11, 1941.

147,747. **PURITAN.** PINS, SAFETY-PINS, AND HOOKS AND EYES. Registered November 1, 1921. THE AMERICAN PIN COMPANY. Renewed November 1, 1941, to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut, assignee.

147,789. **COROLLA.** CAKES, CRACKERS, AND BISCUITS. Registered November 1, 1921. LOOSE-WILES BISCUIT COMPANY, Long Island City, N. Y., a corporation of New York. Renewed November 1, 1941.

148,007. **"ALTERNARC".** ELECTRIC WELDING-MACHINES. Registered November 8, 1921. ELECTRIC ARC CUTTING AND WELDING COMPANY. Renewed November 8, 1941, to Electric Arc, Inc., Newark, N. J., a corporation of New Jersey, by change of name.

148,174. **THE N C R.** PERIODICALS, WHICH PERIODICALS ARE ISSUED WEEKLY OR OFTENER, AS DEEMED ADVISABLE. Registered November 8, 1921. THE NATIONAL CASH REGISTER COMPANY. Renewed November 8, 1941, to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland, assignee.

148,431. **HOPE.** PRECIOUS STONES—VIZ., RUBIES, EMERALDS, AND PEARLS. Registered November 15, 1921. L. HELLER & SON, INC. Renewed November 15, 1941, to Heller Hope Company, Inc., New York, N. Y., a corporation of New York, assignee.

148,893. **DARDANELLA.** CANDY. Registered November 29, 1921. LOOSE-WILES BISCUIT COMPANY, Kansas City, Mo., a corporation of Missouri. Renewed November 29, 1941.

148,938. **RED JACKET.** COAL AND COKE. Registered November 29, 1921. RED JACKET CONSOLIDATED COAL AND COKE COMPANY, Red Jacket, W. Va. Renewed November 29, 1941, to Red Jacket Coal Corporation, Columbus, Ohio, a corporation of Delaware, successor.

149,084. **MAXI.** THREAD-CUTTING TAPS. Registered December 6, 1921. GREENFIELD TAP AND DIE CORPORATION, Greenfield, Mass., a corporation of Massachusetts. Renewed December 6, 1941.

149,398. **GALAHAD.** CERTAIN UNWROUGHT AND PARTLY-WROUGHT STEEL PRODUCTS. Registered December 13, 1921. HADFIELDS LIMITED, Sheffield, England, a British corporation. Renewed December 13, 1941.

149,420. **JEWELINE.** MOTOR-LUBRICATING OILS. Registered December 13, 1921. THE JEWETT & SOWERS OIL COMPANY, Chicago, Ill., a corporation of Illinois. Renewed December 13, 1941.

149,467. **PALICO.** COTTON PIECE GOODS. Registered December 13, 1921. PACIFIC MILLS, Lawrence and Boston, Mass. Renewed December 13, 1941, to Pacific Mills, Lawrence, Mass., a corporation of Massachusetts.

149,933. **LITTLE GIANT.** CERTAIN TOOLS AND PARTS OF MACHINERY. Registered December 27, 1921. GREENFIELD TAP AND DIE CORPORATION, Greenfield, Mass., a corporation of Massachusetts. Renewed December 27, 1941.

150,058. **ANTICORRO.** STEEL, BILLETS, BARS, FORGINGS, AND DISKS. Registered December 27, 1921. POLDI STEEL CORPORATION OF AMERICA, New York, N. Y. Renewed December 27, 1941, to Poldihütte Aktiengesellschaft, Prague, Czechoslovakia, an incorporated joint-stock company of Czechoslovakia, assignee.

150,063. **BULL DOG.** LAUNDRY BLUE. Registered December 27, 1921. J. L. PRESCOTT COMPANY, New York, N. Y. Renewed December 27, 1941, to J. L. Prescott Company, Passaic, N. J., a corporation of New Jersey.

150,138. **TEXALENE.** TURPENTINE SUBSTITUTE. Registered December 27, 1921. THE TEXAS COMPANY, Houston, Tex., and New York, N. Y. Renewed December 27, 1941, to The Texas Company, New York, N. Y., a corporation of Delaware, assignee.

150,620. **TEXACO T.** PETROLEUM AND CERTAIN NAMED PRODUCTS THEREOF. Registered January 3, 1922. THE TEXAS COMPANY, Houston and Port Arthur, Tex., and New York, N. Y. Renewed January 3, 1942, to The Texas Company, New York, N. Y., a corporation of Delaware, assignee.

150,625. **"FRANSETTA".** BISCUIT AND BAKERY PRODUCTS—NAMELY, COOKIES AND SWEET BISCUITS. Registered January 3, 1922. TRU-BLU BISCUIT COMPANY. Renewed January 3, 1942, to Loose-Wiles Biscuit Company, Spokane, Wash., a corporation of California, assignee.

150,626. **"SCOTINA".** BISCUIT, CAKES AND BAKERY PRODUCTS—NAMELY, COOKIES AND SWEET BISCUIT. Registered January 3, 1922, TRU-BLU BISCUIT Co. Renewed January 3, 1942, to Loose-Wiles Biscuit Company, Spokane, Wash., a corporation of California, assignee.

150,781. **CABOOSE.** BOOTS AND SHOES MADE OF RUBBER OR FABRIC AND RUBBER. Registered January 10, 1922. THE CONVERSE RUBBER SHOE COMPANY. Renewed January 10, 1942, to Converse Rubber Company, Malden, Mass., a corporation of Massachusetts, assignee.

151,134. **LANG.** MALT SIRUP, MALT EXTRACT, AND MALT BEVERAGES. Registered January 24, 1922. GERHARD LANG BREWERY, Buffalo, N. Y., a corporation of New York. Renewed January 24, 1942.

151,150. **J. F. JELENKO & CO.** CERTAIN NAMED DENTAL APPLIANCES. Registered January 24, 1922. J. F. JELENKO & Co. Renewed January 24, 1942, to J. F. Jelenko & Co. Inc., New York, N. Y., a corporation of New York, assignee.

151,504. **NEPTUNE.** DRINKING WATER, GINGER ALE, ROOT BEER, AND SARSAPARILLA. Registered February 7, 1922. HINCKLEY & SCHMITT, Chicago, Ill., a corporation of Illinois. Renewed February 7, 1942.

151,757. **DISHWASHERS FRIEND.** SOAP. Registered February 14, 1922. FITZPATRICK BROS., Chicago, Ill., a corporation of Illinois. Renewed February 14, 1942.

151,758. **REPRESENTATION OF A SINK FULL OF DISHES, ETC.** SOAP. Registered February 14, 1922. FITZPATRICK BROS., Chicago, Ill., a corporation of Illinois. Renewed February 14, 1942.

151,759. **SPRING BEAUTY.** SOAP. Registered February 14, 1922. FITZPATRICK BROS., Chicago, Ill., a corporation of Illinois. Renewed February 14, 1942.

151,920. **OLD HICKORY.** TYPEWRITER CARBON PAPER AND TYPEWRITER RIBBONS. Registered February 14, 1922. Quest Manufacturing Company, Chicago, Ill., a corporation of Illinois. Renewed February 14, 1942.

151,981. **TOYCO.** CERTAIN NAMED RUBBER TOYS. Registered February 14, 1922. THE TOYCRAFT RUBBER COMPANY, Ashland, Ohio, a corporation of Ohio. Renewed February 14, 1942.

151,990. **VASSAR.** KNITTED AND WOVEN UNION SUITS, VESTS, AND DRAWERS. Registered February 14, 1922. VASSAR SWISS UNDERWEAR Co. Renewed February 14, 1942, to Vassar Company, Chicago, Ill., a corporation of Illinois, by change of name.

152,112. **TONIKEL.** A GENERAL TONIC AND RECONSTRUCTIVE. Registered February 21, 1922. AMERICAN APOTHECARIES COMPANY, New York, N. Y. Renewed February 21, 1942, to American Apothecaries Company, Long Island City, N. Y., a corporation of New York.

152,350. **TRIBOULINE.** PIECE GOODS OF SILK, WOOL, AND COTTON. Registered February 28, 1922. BIANCHINI, FERIER, Lyon, France. Renewed February 28, 1942, to Bianchini, Ferier, Inc., New York, N. Y., a corporation of New York, assignee.

152,366. **QUALIFIED.** ADDING-MACHINE PAPER. Registered February 28, 1922. CENTRAL PAPER COMPANY, Menasha, Wis., a corporation of Wisconsin. Renewed February 28, 1942.

152,550. **OH HENRY!** CANDY. Registered February 28, 1922. WILLIAMSON CANDY COMPANY, Chicago, Ill., a corporation of Illinois. Renewed February 28, 1942.

152,674. **ATLANTIC.** WASH TUBS AND WASH BOILERS. Registered March 7, 1922. ATLANTIC STAMPING COMPANY, Rochester, N. Y., a corporation of New York. Renewed March 7, 1942.

152,705. **EL PACIFICO.** WHEAT FLOUR. Registered March 7, 1922. CENTENNIAL MILL COMPANY, Seattle and Spokane, Wash. Renewed March 7, 1942, to Centennial Flouring Mills Co., Seattle, Wash., a corporation of Washington, assignee.

152,711. **CHEM CO.** INDEX, CHECK, LEDGER, ENVELOPE, AND COLORED LAID WRITING PAPERS. Registered March 7, 1922. CHEMICAL PAPER MANUFACTURING COMPANY, Holyoke, Mass., a corporation of Massachusetts. Renewed March 7, 1942.

152,712. **CHEMCO.** INDEX, CHECK, LEDGER, ENVELOPE, AND COLORED LAID WRITING PAPERS. Registered March 7, 1922. CHEMICAL PAPER MANUFACTURING COMPANY, Holyoke, Mass., a corporation of Massachusetts. Renewed March 7, 1942.

152,713. **MYRIAD.** MANIFOLD LIGHT-WEIGHT ONION-SKIN PAPER. Registered March 7, 1922. CHEMICAL PAPER MANUFACTURING CO., Holyoke, Mass., a corporation of Massachusetts. Renewed March 7, 1942.

152,745. **DEFENDER.** SENSITIZED PHOTOGRAPHIC PAPER. Registered March 7, 1922. DEFENDER PHOTO SUPPLY CO., INC., Rochester, N. Y., a corporation of New York. Renewed March 7, 1942.

152,754. **WINOTA.** BISCUITS AND CRACKERS. Registered March 7, 1922. EKSTROM & LINNE BAKING Co., Chicago, Ill., a corporation of Illinois. Renewed March 7, 1942.

152,803. **SWEETHEART.** FINGER RINGS AND MOUNTINGS THEREFOR. Registered March 7, 1922. GROSS, ZOLDO & RONAY INC. Renewed March 7, 1942, to Benjamin & Edward J. Gross Co., Inc., New York, N. Y., a corporation of New York, by changes of name.

152,810. **POLTOCK'S.** SMALL METALLIC WASHERS PLACED UNDER CLOCK AND WATCH DIALS AND KNOWN AS "DIAL WASHERS." Registered March 7, 1922. HAMMEL, RIGLANDER & Co. Renewed March 7, 1942, to Hammel, Riglander & Co., Inc., New York, N. Y., a corporation of New York, by change of name.

152,910. **EMPIRE.** CANNED FRUITS, CANNED VEGETABLES, FRUIT JAMS, FRUIT PRESERVES. Registered March 7, 1922. NEW YORK CANNERS, INC. Renewed March 7, 1942, to Snider Packing Corporation, Rochester, N. Y., a corporation of New York, by change of name.

152,912. **BLUE STAR.** CANNED FRUITS AND CANNED VEGETABLES. Registered March 7, 1922. NEW YORK CANNERS, INC. Renewed March 7, 1942, to Snider Packing Corporation, Rochester, N. Y., a corporation of New York, by change of name.

152,935. **SUNSEAL.** BREAKFAST CEREALS, HOMINY GRITS, FLOURS, CORN MEAL, CORN OIL, AND SALAD AND COOKING OIL. Registered March 7, 1922. THE PATENT CEREALS COMPANY, Geneva, N. Y., a corporation of New York. Renewed March 7, 1942.

153,056. **MUSICAL HEALTH BUILDER.** PHONOGRAPH-RECORD DISKS. Registered March 7, 1922. ROBERT B. WHEELAN, doing business as Health Builders, New York, N. Y. Renewed March 7, 1942.

153,060. **WHITMANCO.** COTTON SHEETS AND PILLOWCASES. Registered March 7, 1922. CLARENCE WHITMAN & SON, INC., Katonah and New York, N. Y. Renewed March 7, 1942, to Clarence Whitman & Sons, Inc., New York, N. Y., a corporation of New York, by change of name.

153,070. **ZENITH.** ADJUSTABLE TABLES AND PARTS THEREOF FOR USE BY DOCTORS, SURGEONS, CHIROPRACTICS, AND OSTEOPATHS. Registered March 7, 1922. WILLIAM G. WILLIAMS, Renewed March 7, 1942, to The Williams Mfg. Co., Inc., Elgin, Ill., a corporation of Illinois, assignee.

153,088. **B S.** DENTAL POLISHERS. Registered March 7, 1922. LUTHER ALVIN YOUNG, University City, Mo. Renewed March 7, 1942, to Young Dental Manufacturing Company, St. Louis, Mo., a corporation of Missouri, successor.

153,095. **ALUMINUM FLAKE.** A FINELY-DIVIDED OR PULVERIZED CLAY PRODUCT. Registered March 14, 1922. THE ALUMINUM FLAKE COMPANY, Akron, Ohio, a corporation of Maine. Renewed March 14, 1942.

153,096. **AMERICAN UNIVERSAL.** FLOOR-SURFACING MACHINES. Registered March 14, 1922. THE AMERICAN FLOOR SURFACING MACHINE COMPANY, Toledo, Ohio, a corporation of Ohio. Renewed March 14, 1942.

153,138. **SEQUOIA BRAND.** A NONELECTRICAL SAFETY FUSE. Registered March 14, 1922. COAST MANUFACTURING & SUPPLY COMPANY, Livermore, Calif., a corporation of Delaware. Renewed March 14, 1942.

153,158. **STRONGFAST.** COTTON FABRICS IN THE FORM OF PIECE GOODS. Registered March 14, 1922. S. EISENBERG & SONS, New York, N. Y., a firm. Renewed March 14, 1942.

153,267. **LILY OF THE VALLEY.** CANNED FRUITS AND CANNED VEGETABLES. Registered March 14, 1922. NEW YORK CANNERS, INC. Renewed March 14, 1942, to Snider Packing Corporation, Rochester, N. Y., a corporation of New York, by change of name.

153,269. **NOXON.** CLEANER POLISH FOR METALS, GLASS, AND PORCELAIN. Registered March 14, 1922. NOXON CHEMICAL PRODUCTS CO. Renewed March 14, 1942, to Leopoldine Nottebaum, Newark, N. J., assignee by mesne assignments.

153,275. **MAN-COOLER.** ELECTRIC MOTOR-DRIVEN FANS. Registered March 14, 1922. B. F. PERKINS & SON, INC., Holyoke, Mass., a corporation of Massachusetts. Renewed March 14, 1942.

153,291. **BLUE JACKET.** COAL. Registered March 14, 1922. THE RELIANCE COAL & COKE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed March 14, 1942.

REISSUES

OCTOBER 21, 1941

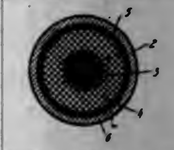
21,926

HIGH TENSION RUBBER INSULATED CABLE

Elisabeth Bormann, Berlin-Charlottenburg, Germany, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany, a corporation of Germany

Original No. 2,096,840, dated October 26, 1937, Serial No. 455,662, May 26, 1930. Application for reissue March 19, 1941, Serial No. 384,214. In Germany June 1, 1929

2 Claims. (Cl. 174—106)



1. A high tension heavy current cable having a conductor, a metal sheath and rubber insulation between said conductor and said sheath, and a layer of insulation of less resistance, adjacent to said conductor and said sheath, on each side of and in intimate contact with the surface of the rubber insulation, having substances of electrically conducting properties of the class of graphite and soot admixed to and embedded in said layer to form a semi-conducting insulation, to prevent ionization of gases prevailing at the boundary between the insulation and the conductor and sheath respectively.

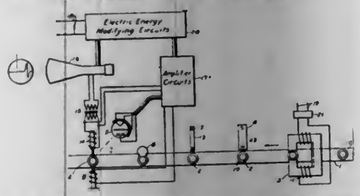
21,927

ELECTROMAGNETIC TESTING SYSTEM

Porter H. Brace and Clifton S. Williams, Forest Hills, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Original No. 2,221,570, dated November 12, 1940, Serial No. 238,600, November 3, 1938. Application for reissue August 28, 1941, Serial No. 408,673

21 Claims. (Cl. 175—183)



1. In a magnetic testing apparatus for detecting flaws in a test piece, in combination, an electromagnetic detector, means for moving the test piece so that the surfaces of the test piece to be investigated are moved adjacent to the detector, said detector comprising a narrow blade type core of high permeability and low hysteresis material as an iron-nickel alloy known as Hypernik surrounded by a pick-up coil of many turns, and a cathode-ray oscilloscope connected to be responsive to the current in the pick-up coil to thus indicate flaws in the test piece, said cathode-ray oscilloscope being energized in synchronism with the movement of the test piece to thus also indicate the location of the flaw on the test piece.

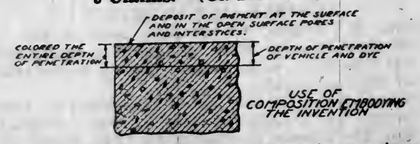
21,928

COLOR TREATMENT OF CONCRETE

Ralph E. Madison, Detroit, Mich., and Arthur T. Saunders, Tulsa, Okla., assignors to Truscon Laboratories, Inc., a corporation of Michigan

Original No. 2,220,341, dated November 5, 1940, Serial No. 305,410, November 20, 1939. Application for reissue April 26, 1941, Serial No. 390,636

9 Claims. (Cl. 106—224)



6. A liquid composition for the color treatment of cement floors and the like through scrubbing the same into the surface thereof comprising a dispersion of a finely ground pigment material in a vehicle miscible with coal tar solvents composed of 200 to 600 pounds of a drying oil of the group consisting of China-wood oil, linseed oil and Perilla oil, 100 pounds of a resin of a type soluble in the drying oil, approximately 800 pounds of petroleum distillate thinner, and a solution of dyestuffs of the type soluble in coal tar solvents, the resulting composition being of sufficiently low viscosity and low degree of polymerization and the dyestuffs being present in sufficient amounts to impart the desired degree of coloring and to admit of scrubbing the said resulting composition into the porous surface of a cementitious structure being color treated thereby without deposition of a continuous film thereover.

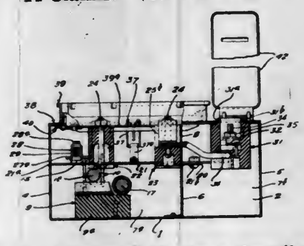
21,929

METER TROUGH

Albert B. Rypinski, Laurelton, N. Y., assignor to Metropolitan Device Corporation, a corporation of New York

Original No. 2,145,557, dated January 31, 1939, Serial No. 149,120, June 19, 1937. Application for reissue December 31, 1940, Serial No. 372,683

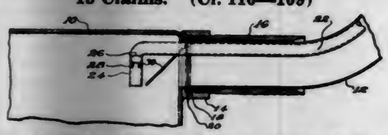
14 Claims. (Cl. 175—221)



1. A meter trough of the type described comprising a sheet metal trough, a longitudinal partition in the trough dividing the trough into a service compartment and a load compartment, the partition having a section of lesser height than the side walls of the trough, a connector block mounted in the service compartment, including a base of insulating material and connectors for electrically connecting to service

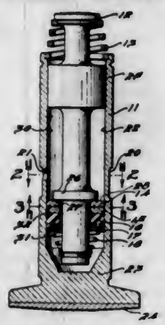
mains, a bridge element extending from the side wall of the service compartment and supported by the section of the partition section of lesser height, a connector block mounted in the load compartment of the trough including a base of insulating material and electrical connectors for electrically connecting load wires thereto, a meter socket mounted within the service compartment on said bridge element including clips to receive the blades of a socket type meter, electrical conductors connecting the service connectors to certain of said clips, and other electrical conductors connecting certain other of said clips to said load connectors.

21,930
AUDIBLE SIGNAL DEVICE
Frank P. Scully, Cambridge, and Alcide E. Mathey, Boston, Mass., assignors to Scully Signal Company, Cambridge, Mass., a corporation of Massachusetts
Original No. 2,140,559, dated December 20, 1938, Serial No. 104,488, October 7, 1936. Application for reissue December 18, 1940, Serial No. 370,734
13 Claims. (Cl. 116—109)



1. The combination with a liquid tank, of a conduit having an open lower end below the top of the tank and serving as a vent without the tank, an audible signal in series with the conduit and normally actuated by a stream of gas or vapor entering the conduit through the open lower end when the rising liquid level is below this end of the conduit, and a supplementary opening delivering air or gas at the side of the conduit at such a location relative to the signal and in such a manner, when the open lower end is sealed and venting continues through the conduit and the signal, as to avoid actuation of the signal.

21,931
TAPPET CONSTRUCTION
Carl Voorhies, Detroit, and Harry E. Voorhies, Grosse Pointe, Mich., assignors, by mesne assignments, to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Original No. 2,185,991, dated January 2, 1940, Serial No. 94,040, August 3, 1936. Application for reissue June 25, 1941, Serial No. 399,690
25 Claims. (Cl. 123—90)



1. In a valve tappet, the combination of a cylindrical body provided with a longitudinal bore, said body being closed at one end and open at the other, a plunger disposed in said bore and means including a yieldable but substantially incompressible element composed of rubber-like substance for causing a lagging or retardation in movement of said plunger relative to said cylindrical body when forces acting axially upon opposite ends of said tappet are changed.

PATENTS

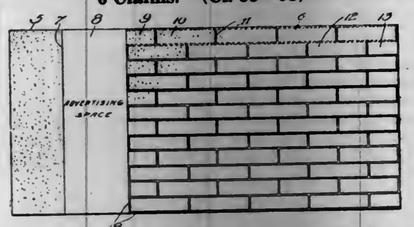
GRANTED OCTOBER 21, 1941

2,259,434
PICTURE FRAME
Clarence M. Blodgett, New York, N. Y.
Application February 29, 1940, Serial No. 321,416
4 Claims. (Cl. 40—154)



3. A picture frame comprising boundary members of spring sheet metal having adjoining ends and each member including a web with front and back flanges for embracing a marginal portion of a picture sheet assembly, each back flange having adjacent each end thereof an aperture, clamping members also of spring sheet metal and having webs and flanges for closely embracing the webs and flanges of said adjoining ends, the clamping members thereby forming double ended sockets, whereby the ends of the flanges of the boundary members may be contracted and the ends of the flanges of the sockets expanded so as to telescopically engage the respective member ends, the back flanges of the sockets having thereon bosses for lockingly snapping into said apertures.

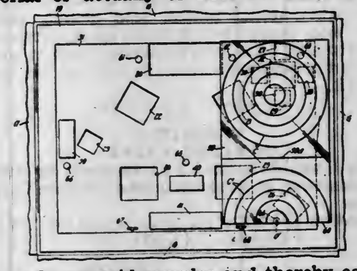
2,259,435
STRUCTURAL EXHIBITION DEVICE
William D. Collins, Chicago, Ill.
Application December 7, 1939, Serial No. 308,047
6 Claims. (Cl. 35—53)



1. An article of the character described comprising, a transparent sheet member having a section showing a formation of a series of architectural building units, the said formation indicated on the said section by designation in the same color simulating the color of composition binder used to maintain the said architectural units in assembly.

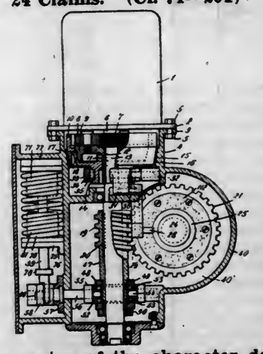
2,259,436
DISPLAY DEVICE
James R. Connor, New York, N. Y.
Application March 5, 1940, Serial No. 322,389
14 Claims. (Cl. 35—53)

1. A display device for guidance in the selection of materials for decorating a room and furniture comprising components formed of sheet material constituting a folder having at least two panels, one panel being a floor-representing panel and the other being a wall-representing panel, one or more samples of furniture-covering material disposed at spaced-apart positions on the floor panel, a mask simulating floor covering material or actually of floor covering material



disposed over said samples and thereby concealing portions of said samples, said mask having furniture-shaped openings displaying furniture-shaped portions of said samples therethrough, and a sample of material disposed on the wall panel.

2,259,437
CONTROL APPARATUS
Peter P. Dean, Weston, Conn.
Application March 1, 1939, Serial No. 259,120
24 Claims. (Cl. 74—291)



1. In apparatus of the character described, a driving member, a driven member, gearing connecting the driving member to the driven member and operable to cause the driven member to be driven at either of two speeds, gear shifting means operatively associated with said gearing, a traveling member connected to the driven member to be moved a given distance thereby in either direction, and means operable by the traveling member near one end of its movement for actuating said gear shifting means.

2,259,438
NAVIGABLE VESSEL
Edmond Dégallier, Lausanne, Switzerland
Application January 4, 1938, Serial No. 183,278
In Switzerland January 4, 1937
3 Claims. (Cl. 115—19)

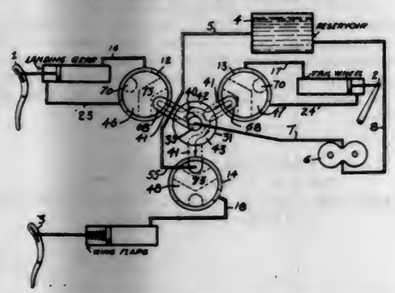
1. In a vehicle of the class described, a hull,

float members rotatably mounted upon the hull, and power means operatively connected to said floats, each float member comprising a central drum, lateral ratchet plates mounted upon said member, the ratchet plates being of greater diameter than that of the drum, and a plu-



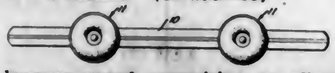
rality of blade members secured to said drum between said ratchet plates, said drums, lateral plates, and blade members forming peripheral compartments of a predetermined depth in which air is compressible by water to support the floats and hull.

2,259,439
CONTROL VALVE
Carl de Ganahl, Bristol, Pa., assignor, by mesne assignments, to Reconstruction Finance Corporation
Application February 16, 1938, Serial No. 190,716
2 Claims. (Cl. 277—59)



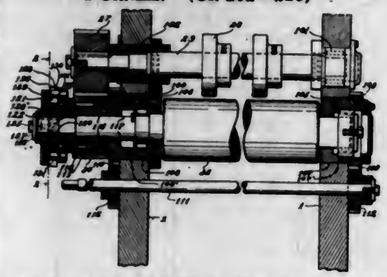
1. In control valves, a housing having substantially parallel front and rear plates, a plurality of valve elements mounted oscillatably in the housing and disposed between the plates, the valve elements all being parallel to each other and disposed symmetrically about and parallel to a common axis generally normal to said plates, said housing having a bore extending concentrically of the common axis, each valve having a pair of spaced longitudinally extending grooves each parallel to said axis and each having a transverse ported passage with the ends thereof disposed between the respective grooves, the axes of all of said passages lying in a common plane intersecting all of said grooves, a fluid free stream passage being formed in said housing and valves comprising passages formed in said housing inclined relative to said common axis as well as to said plates establishing communication between the front plate ends of the grooves of a pair of valve elements respectively and the rear plate ends of the grooves of a second mentioned pair of valve elements, one valve element being common to both the first and second mentioned pairs of elements, said housing having a passage extending between said axial bore and an end of a groove of a valve of the first pair mentioned, one of said valve elements having an axial bore having a transverse port communicating with one of its grooves, conduit means communicating respectively with the axial bore in the housing and said last mentioned axial bore in the valve element to establish free flow through the valves in series.

2,259,440
AUTOMOBILE BUMPER GUARD
Rollie B. Fageol, Beverly Hills, Calif.
Application September 18, 1939, Serial No. 295,437
6 Claims. (Cl. 293—55)



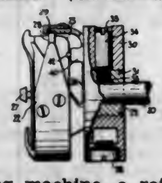
1. A bumper guard comprising an all-rubber annulus providing a central well presenting a forward opened end circumscribed by a sealed compartment forming a pneumatic cushion, a transverse web formed across the rear end of the well to close the same and formed integral with the annulus, and means engaging the web and securing the annulus to the face of a bumper bar.

2,259,441
PRINTER SLOTTER ROLL ADJUSTMENT
Thomas S. Fitchett, Glen Arm, Md., assignor to F. X. Hooper Company, Inc., Glen Arm, Md., a corporation of Maryland
Application May 31, 1940, Serial No. 338,146
4 Claims. (Cl. 101—216)



1. In a printer slotter, a pair of co-operating rolls adapted to engage the opposite sides of a sheet to be fed by application of gripping pressure thereto to advance the sheet, one of said rolls having a shaft with bearings therefor at the opposite ends of said roll, a carrier for each said bearing, said carrier being rotatable about an axis which is parallel to but eccentrically located as to the axis of said bearings, a bearing support integral with one rotating carrier and a bearing thereon for a drive gear which bearing is concentric with the axis of said carrier, a drive gear for said roll rotating on the bearing on said support and a floating coupling providing a laterally variable driving connection from said gear to said roll shaft.

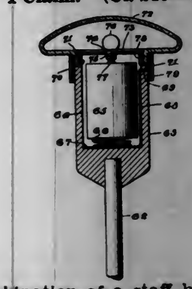
2,259,442
LUBRICATOR FOR ROTARY LOOP-TAKERS IN SEWING MACHINES
Aiuto V. Galli, Queens Village, N. Y.
Application June 16, 1939, Serial No. 279,564
5 Claims. (Cl. 112—256)



1. In a sewing machine, a rotary loop-taker having an internal race-way, a stationary bobbin carrier having a bearing rib mounted in said race-

way, a solid rotary shaft for said loop-taker, and a unitary self contained means removably mounted on said shaft for supplying a lubricant to said bearing rib.

2,259,443
ILLUMINATING CANE AND UMBRELLA HANDLE
Frank A. Geier, Philadelphia, Pa.
Application April 20, 1939, Serial No. 268,864
1 Claim. (Cl. 240—6.42)



The combination of a staff having a recess, a battery located in said recess, resilient means to force said battery outwardly, and a conductor extending from said battery laterally through a wall of said recess, a metallic gasket carried by staid staff, a lamp having one terminal in contact with said gasket, a hollow transparent member secured to said staff and operatively securing said gasket in position, said gasket having a lateral conductor extension also extending through the wall of said recess, and a band having an electrically conductive portion which when angularly shifted connects said conductor extensions to illuminate said lamp.

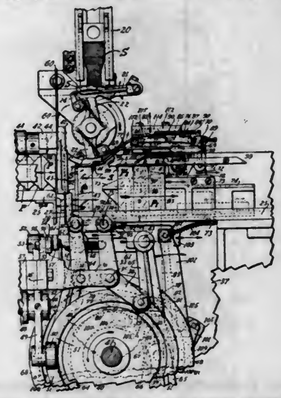
2,259,444
ELECTRIC CORD CLAMPING DEVICE
Alexis C. Grohsgal, New York, N. Y., assignor to Marks Products Co. Inc., Brooklyn, N. Y., a corporation of New York
Application March 2, 1938, Serial No. 193,412
8 Claims. (Cl. 173—322)



1. A device of the character described, comprising a metallic cake having an opening therein for the free passage of an electric cord, said cage having a plurality of tongues struck therefrom, and clamping means surrounding and gripping a cord passing through said cage, said clamping means being held in cord clamping position and locked to said cage by said tongues which are bent over said clamping means.

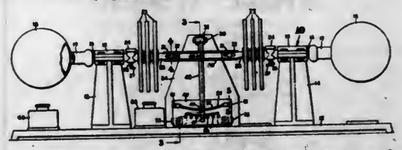
2,259,445
PACKAGE STAMPER
Charles Arelt, Richmond Hill, N. Y., assignor to American Machine & Foundry Company, a corporation of New Jersey
Application April 30, 1940, Serial No. 332,485
18 Claims. (Cl. 216—53)

1. In a package stamper, the combination with means for advancing packages having outer pouch wrappers which are open at the tops of the packages, of a device for applying a stamp to the top of a package advanced by said means with an end projecting therefrom at one side of said package, a member for pressing the upper



edge of the pouch wrapper against the side of the package at which said stamp end projects to prevent gaping thereof, and mechanism for wiping said projecting stamp end over said upper edge subsequent to the engagement of said member with said upper edge and while it is pressed by said member.

2,259,446
DIFFERENTIAL PRESSURE INDICATOR
George E. Barnhart, Pasadena, Calif.
Application March 2, 1940, Serial No. 321,955
7 Claims. (Cl. 200—83)

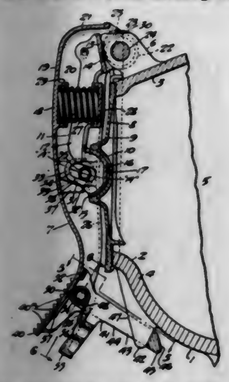


1. In a device of the class described, a base having a pair of axially aligned hollow rods supported thereon, a bulb member connected to each of said rods and communicating therewith, means for controlling passage of fluid through each rod, a hollow expansion and contraction member mounted on each rod and communicating with the interior of the rod, means connecting the expansion and contraction members, a support on the base, an indicating arm movably mounted on said support, means operable by said connecting means for shifting said indicating arm, a plurality of spaced contact members on the support and a circuit closer on said indicating arm and movable to engage the spaced contact members.

2,259,447
JOURNAL BOX ASSEMBLY
Donald S. Barrows and Glenn F. Couch, Rochester, N. Y., assignors to The Symington-Gould Corporation, Rochester, N. Y., a corporation of Maryland
Application June 5, 1939, Serial No. 277,499
22 Claims. (Cl. 308—47)

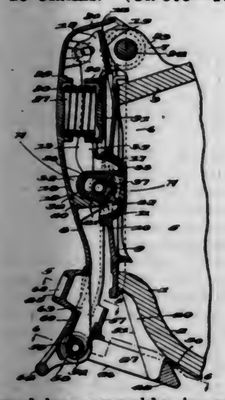
1. In a journal box assembly, in combination, a journal box having spaced lugs, an articulated

lid comprising a cover extending over an access opening in said journal box and having a centrally disposed socket, a lever having one end bearing against one of said lugs and another end extending into and correspondingly formed with said socket, a closure arm having one end there-



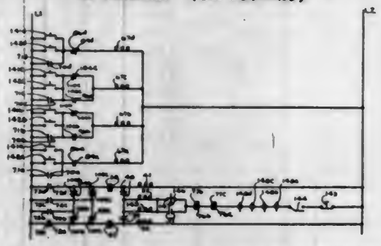
of pivotally connected to said lever engaged lug, spring means reacting against said closure arm and lever, and latch means pivotally connected to another end of said closure arm and interlocked with the other of said lugs to additionally energize said spring means.

2,259,448
JOURNAL BOX ASSEMBLY
Donald S. Barrows and Glenn F. Couch, Rochester, N. Y., assignors to The Symington-Gould Corporation, Rochester, N. Y., a corporation of Maryland
Application August 9, 1939, Serial No. 289,304
15 Claims. (Cl. 308—47)



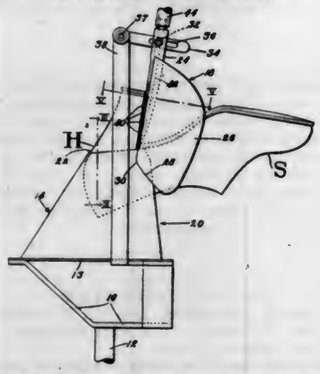
1. A journal box assembly, in combination, a journal box having a lug extending therefrom, a cover bearing against said journal box adapted to close an access opening therein, a pivotally mounted actuating arm positioned outwardly of said cover, means reacting against the central portion of said cover, an initially energized spring interposed between said actuating arm and means, a latch pivotally connected to an extremity of said actuating arm and adapted to engage said lug for additionally energizing said spring, and a torsion spring reacting against said actuating arm and latch for retaining the latter in lug engaging position, said latch having a portion thereof extending outwardly away from said cover and beyond said actuating arm for engagement to disconnect said latch from said lug.

2,259,449
COLLECTIVE CONTROL SYSTEM
James H. Bartholomew, Warsaw, N. Y.
Application November 3, 1937, Serial No. 172,607
10 Claims. (Cl. 187—29)



1. In a system for controlling the movement of an object to a plurality of stations, the combination with a prime mover connected to said object and for moving the same in either of two directions, a pair of direction control means each associated with said prime mover alternatively to supervise movement of said object in opposite directions and each including two pairs of directional control elements corresponding to each intermediate station, and a plurality of call means each corresponding to a station, each call means for the extreme station including a pair of control elements and each call means for the intermediate station including two pairs of control elements, of an object controlled means connected for movement corresponding to the movement of said object, oppositely operating the pairs of control elements as the object passes a station, and opening the pairs of control elements when the object is opposite said station.

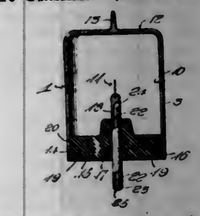
2,259,450
SHIELDING DEVICE
Lewis J. Bazzoni, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application April 24, 1940, Serial No. 331,393
24 Claims. (Cl. 12—42)



1. A device for protecting the back part of a shoe during the application of a spray coating

to its heel comprising a one-piece member a portion of which is provided with an opening defined by a horseshoe-shaped flange, said flange being adapted to fit into the heel-crease of the shoe and to embrace the same, and another portion of which extends laterally from said flange so as to form a baffle between the heel and upper.

2,259,451
METHOD AND APPARATUS FOR ELECTRIC DISCHARGE
Willard H. Bennett, Newark, Ohio, assignor to Slayter Electronic Corporation, a corporation of Ohio
Application September 6, 1940, Serial No. 355,696
10 Claims. (Cl. 250—27.5)



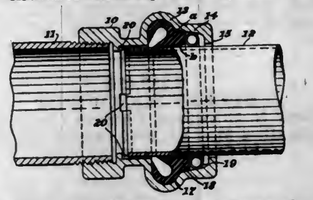
5. Electric discharge apparatus comprising a chamber containing a substantially pure gas at substantially atmospheric pressure, said gas being one in which electron attachment to molecules does not readily occur, and means including a pointed cathode electrode within said chamber operative for producing an electric discharge characterized by an ionizing region at said pointed electrode and the absence of molecular attachment of electrons in said gas, said ionizing region being effective to increase the effective radius of curvature at said pointed electrode whereby the potential gradient in the gas adjacent said point is maintained below sparking conditions under increased applied potential for producing increased current flow in the said electric discharge.

2,259,452
MINERAL OIL COMPOSITION AND IMPROVING AGENT THEREFOR
Henry G. Berger, William H. James, and Darwin E. Badertscher, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application August 2, 1939, Serial No. 287,930
17 Claims. (Cl. 252—53)

1. An improved mineral oil composition comprising a mineral oil fraction and in admixture therewith a minor proportion of a compound selected from the group consisting of an aromatic ortho-phosphito carboxylic acid chloride and derivatives thereof obtained by reacting an aromatic ortho-phosphito carboxylic acid chloride with a compound selected from the group consisting of ammonia, organic compounds containing replaceable hydrogen and organic compounds containing replaceable metal atoms.

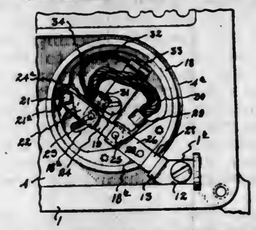
2,259,453
COUPLING UNIT
Walter O. Beyer and Thomas R. Tarn, Pittsburgh, Pa.
Application December 8, 1938, Serial No. 244,602
15 Claims. (Cl. 285—163)

1. A device for holding a member in position with respect thereto comprising a housing, means operably associated with said housing and with the member for holding the member in position against an axial withdrawing effort, said means having means operably associated therewith and utilizing the withdrawing effort to produce an effective member-holding action, said holding



means having an operating surface sloped in the direction of the withdrawing effort, the surface having a slope angle below a determined critical maximum value such that the withdrawing effort may be utilized to effect a proportional member-holding action.

2,259,454
CIRCUIT BREAKER
James H. Burnside, II, New York, N. Y., assignor to Circuit Breakers, Inc., New York, N. Y., a corporation of New York
Application January 15, 1938, Serial No. 185,145
31 Claims. (Cl. 200—116)



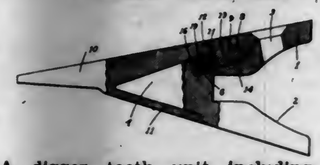
13. In a circuit breaker of the type described, the combination including a housing, an oscillatable member journaled in said housing, a contact mounted on said member, said contact travelling in an arcuate path upon oscillation of said member, a contact mounted on the inner wall of said housing so as to be engaged by the contact on said member in circuit closed position, the surface of engagement between said contacts being offset from said arcuate path, thermostatic means mounted on said member for withdrawing the contact thereon upon overload from engagement with the fixed contact, and means for urging said member from closed circuit position whereby said contacts cooperate under normal conditions to lock said member in closed circuit position.

2,259,455
MANUFACTURE OF WATER-INSOLUBLE ARTIFICIAL RESINS
Gottfried Caro, Bitterfeld, Alfred Rieche, Wolfen, Kreis Bitterfeld, Walter Rudolph, Bitterfeld, and Hans Wassenegger, Dessau in Anhalt, Germany
No Drawing. Application March 25, 1939, Serial No. 264,232. In Germany April 6, 1938
6 Claims. (Cl. 260—49)

1. A process for manufacturing base exchange bodies which consists in condensing in aqueous solution, in the absence of a catalyst, a phenol selected from the class consisting of resorcinol,

phenol sulfonic acid and salicylic acid, formaldehyde and a substance selected from the class consisting of lignine-sulfonic acid and its alkali salts, obtained by precipitating basic calcium salts of lignine-sulfonic acid from sulfite waste liquor and acidifying said salts, until a water-insoluble gel is obtained, carefully drying said gel to retain its gel structure and washing said gel until it is neutral.

2,259,456
BUCKET TOOTH UNIT
Arthur N. Crawford, Chinese Camp, Calif.
Application May 25, 1940, Serial No. 337,222
17 Claims. (Cl. 37—142)



1. A digger tooth unit including a body adapted to be mounted on and project from a digger, the forward end of said body being formed as a forwardly tapering tongue, a separate digging point, said point having a rearwardly opening socket into which said tongue is snugly seated, and means quick detachably securing the digging point on said body; said means comprising a rearward extension on the point overlying a portion of the body, said portion of the body having an upwardly opening groove cut transversely therein and open to the side, a downturned lip on the extension depending therefrom into the groove and extending substantially the width of the body, a locking tongue projecting rearwardly from said lip, there being a pocket in said rear wall into which said locking tongue engages, and a key driven transversely of the body between said lip and the forward wall of the groove.

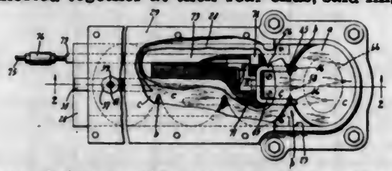
11. A digger tooth construction comprising a digger-carried base, a separate digging point, and means quick-detachably mounting the point on the base, including spaced elements whose spacing prevents relative separation of the point from the base, and a resiliently cored key frictionally but removably engaged between said elements and resiliently spacing them.

2,259,457
POWDERED METAL AND ALLOYS
William Andrew Croll, Norristown, Pa.
No Drawing. Application January 12, 1938, Serial No. 184,703
8 Claims. (Cl. 252—303)

4. The process of pulverizing metals which comprises crushing the material; carrying away from the remaining mass of material the particles as they are separated from the mass in a water solution containing saponin and an auxiliary material leaving the uncrushed mass of material exposed for further crushing; and periodically removing the water solution containing the powdered substance in suspension.

2,259,458
FEEDING MECHANISM
Ernest H. Davis, Los Angeles, Calif., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application July 3, 1940, Serial No. 343,858
6 Claims. (Cl. 271—2.5)

1. In a feeding apparatus for advancing sheet material having opposed recessed side edges, the combination of a support for maintaining such material in a feeding plane, a feed bar having longitudinal movement in said support, and a bifurcated double arm feed finger element including transversely spaced sheet feeding arms rigidly connected together at their rear ends, said finger

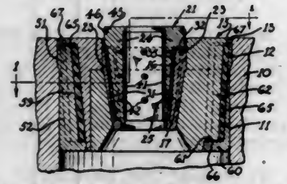


element being movably mounted on said feed bar and having a position with its two arms engaging the sheet material in transversely opposed recesses whereby the material is advanced in the direction of its longitudinal axis and in a straight line of travel with each feeding stroke of the said feed bar.

2,259,459
MANGANESE ALLOY
Reginald S. Dean, Washington, D. C., assignor to Chicago Development Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application October 23, 1939, Serial No. 300,799
10 Claims. (Cl. 148—11.5)

3. A structural element for use in an environment requiring a high vibration damping capacity, said structural element being made from an alloy containing from 35% to 97% manganese, and the balance being substantially entirely copper, said alloy having a vibration damping capacity of more than 0.1%.

2,259,460
RESILIENT DRIVE BUSHING
Reynolds B. Dexter, Los Angeles, Calif.
Application April 17, 1939, Serial No. 268,214
15 Claims. (Cl. 255—23)

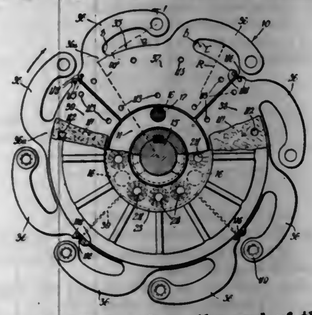


1. In a rotary drive bushing, an outer driving member adapted to be mounted in and driven by a rotary table and having a pair of oppositely directed driving faces on its inner surface, a driven member mounted in said driving member and having a pair of oppositely directed driven faces on its outer surface opposed to said driving faces, and yieldable cushion means between each pair of opposed driving and driven faces.

2,259,461
CLUTCH
Clarence M. Eason, Waukesha, Wis.
Application April 27, 1939, Serial No. 270,283
15 Claims. (Cl. 192—68)

1. A clutch disc comprising a plurality of segmental sections and one or more generally circumferentially directed arcuate attaching fingers connected at one end to each segment, the other end being free, the radius of curvature of each

finger being such that the principal portion of the body of the finger lies substantially entirely out-

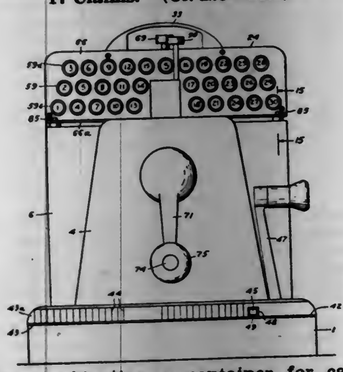


side a line extending from the end of the finger to its connection with its respective segmental section.

2,259,462
PROCESS OF MANUFACTURE OF CELLULOSE ESTERS
Charles L. Fletcher, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application October 12, 1939, Serial No. 299,151
6 Claims. (Cl. 260—227)

1. A method for preparing a hydrolyzed lower fatty acid ester of cellulose of good stability and high melting point which comprises acylating cellulose with an acylation bath containing sufficient lower fatty acid anhydride to substantially completely acylate the cellulose, a lower fatty acid and, as the catalyst, 5%–8% of sulfuric acid (based on the weight of the cellulose), and subsequently adding to the mass dilute aqueous lower fatty acid to impart a hydrolyzing condition thereto and only sufficient of a neutralizing agent which gives a sulfate substantially insoluble in concentrated acetic acid to reduce the sulfuric acid content of the mass to 1%–4% (based on the cellulose) and hydrolyzing the cellulose ester to the degree desired.

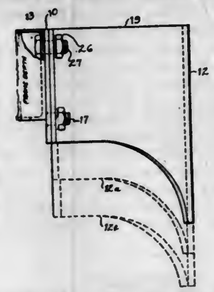
2,259,463
SELECTIVE FILING AND FINDING SYSTEM
Robert O. Griffin, Berkeley, Calif.
Application January 28, 1939, Serial No. 253,334
17 Claims. (Cl. 129—16.1)



1. In combination, a container for carrying cards notched along an edge according to a predetermined code, a card selector arranged adjacent to the notched edges and carrying selector keys, said keys being movable toward the cards to effect different code combinations, means for rotating the container and selector for moving the cards toward the selector, whereby cards having notches corresponding to the depressed keys will move further than the remaining cards, and means for gripping the selected cards preparatory to removing them.

4. In combination, a container for notched cards, a card selector disposed adjacent to the notched card edges and constituting a cover for the container, means for moving the container for causing the cards to move toward the selector, means carried by the selector for removing the selected cards, and means for raising the selector for removing the selected cards.

2,259,464
ADAPTER PLATE AND BUMPER STRUCTURE
Calvin L. Halladay, Jackson, Mich., assignor, by mesne assignments, to Houdaille-Hershey Corporation, Cleveland, Ohio, a corporation of Michigan
Application March 4, 1940, Serial No. 322,054
7 Claims. (Cl. 293—55)

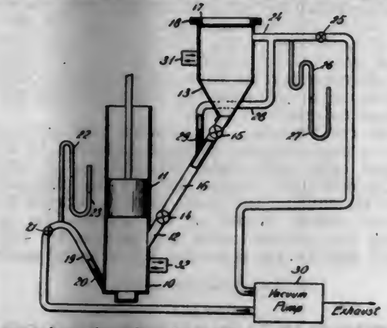


1. As a new article of manufacture for vehicles, regardless of make but grouped according to weight and average frame depth, an adapter plate permanently secured to the rear corners of the frame in line with the upper edge thereof for mounting a bumper structure, and said plate having a laterally disposed pair of studs of uniform spacing and size projecting outwardly from the rear face thereof without regard to the frame depth, and a pair of laterally disposed apertures in said adapter plate respectively directly above said mentioned studs and spaced thereabove according to said frame depth which serve as a centering means for holes to be pierced through said frame for reception of attachment means for a bumperette.

2,259,465
APPARATUS FOR CONSOLIDATING METAL POWDERS
Charles Hardy, Pelham, N. Y., assignor to Hardy Metallurgical Corporation, New York, N. Y., a corporation of Delaware
Original application December 15, 1937, Serial No. 179,898. Divided and this application May 5, 1938, Serial No. 206,146
3 Claims. (Cl. 29—1)

1. In apparatus for compressing metal powder the combination which comprises a mold, a piston fitted in and slidable in the mold, a vacuum line connected to the mold, filter means disposed in the vacuum line, a hopper, means for sealing the hopper, a second vacuum line connected to

said hopper, a conduit connected to the mold and to the hopper and extending downwardly from the hopper to the mold, a metal powder-

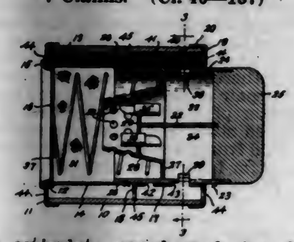


measuring chamber in said conduit, and a third vacuum line connected to the measuring chamber.

2,259,466
EMULSION
Benjamin R. Harris and Frank J. Cahn, Chicago, Ill., assignors to The Emulsol Corporation, Chicago, Ill., a corporation of Illinois
No Drawing. Application January 24, 1940, Serial No. 315,334
18 Claims. (Cl. 167—91)

17. A composition in the form of an emulsion or dispersion including aqueous material and a proportion of a compound in the form of an amide of an hydroxy-alkyl amine with a carboxylic acid containing not more than five carbon atoms, said compound also containing at least one free hydroxy group and at least one lipophile group having at least eight carbon atoms.

2,259,467
DEVICE FOR PRODUCING ARTICULATE SOUNDS
Beulah Louise Henry, New York, N. Y.
Application February 27, 1940, Serial No. 321,039
7 Claims. (Cl. 46—187)

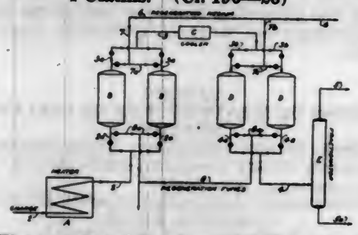


1. An articulate sound producing device including a pair of slidably interfitted tubular members having closed outer ends, the inner member having an inner end wall, transversely spaced reversely arranged sounding reeds extending therethrough, a partition extending longitudinally of said inner member between the inner end wall and closed outer end and subdividing said inner member into a pair of sound chambers into each of which one of the reeds protrudes and each having a lateral air port, the outer member having longitudinally spaced sets of apertures respectively adapted to cooperate with the air ports of the inner member to effect emission of articulate sounds upon relative movement of the members in opposite directions.

2,259,468
PORCELANIC BONDED DIAMOND ABRASIVE
Henry R. Houchins, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
No Drawing. Application February 2, 1939, Serial No. 254,254
7 Claims. (Cl. 51—308)

1. An abrasive article comprising diamond abrasive and a porcelanic bond therefor, the bond being porous and relatively hard.

2,259,469
REFINING OF NAPHTHA
Eugene J. Houdry, Haverford, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
Application August 20, 1937, Serial No. 160,059
4 Claims. (Cl. 196—28)

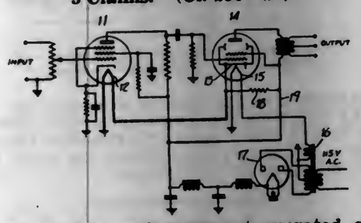


1. The process of treating naphtha containing organic sulphur bearing and unstable gum and color forming components to selectively transform and remove such substances therefrom so as to produce a sweet and stable refined product having substantially the boiling range of the naphtha charge without depreciating sweet and stable components thereof comprising the steps of subjecting such a charge substantially free of higher boiling hydrocarbons at temperature suitable for cracking of sweet and stable components thereof to the action of an active cracking catalyst comprised essentially of a blend of silica and alumina in the weight ratio of at least about 4:1 while feeding the naphtha to said catalyst at such high rate that the action of the latter is selective and limited substantially solely to transformation of the sulphur content of said organic sulphur bearing components into a form easily removed from the naphtha and to polymerization of unstable gum and color forming components, subjecting the thus partially treated naphtha at reduced temperature not in excess of about 650° F. to the action of a polymerizing and desulphurizing catalyst comprising a desulphurizing metal incorporated with an adsorptive polymerizing agent to remove said transformed sulphur components and to effect further polymerization of gum and color forming components of the naphtha, and removing polymers from the resulting product to yield a sweet and stable refined product of substantially the boiling range of the charge.

2,259,470
RUBBERLIKE CONDENSATION PRODUCTS
Helmut Jacobi and Walter Flemming, Ludwigshafen-on-the-Rhine, Germany
No Drawing. Application February 8, 1939, Serial No. 255,256. In Germany February 18, 1938
3 Claims. (Cl. 260—79)

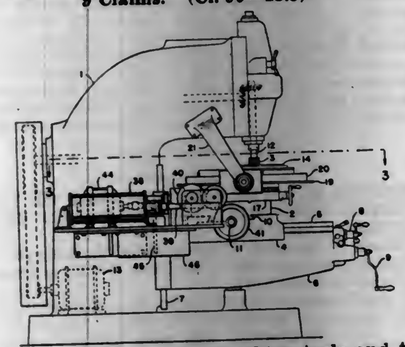
1. A process of producing rubber-like, condensation products which comprises heating a mixture of allyl chloride and a water-soluble polysulfide until elastic condensation products of rubber-like character are formed.

2,259,471
THERMIONIC CIRCUITS AND METHOD
Edward R. Jahns, Newark, N. J., assignor to Tung-Sol Lamp Works, Inc., Newark, N. J., a corporation of Delaware
Application March 16, 1939, Serial No. 262,123
5 Claims. (Cl. 250—27)



1. In an alternating current operated circuit including a plurality of thermionic tubes, a cathode heater for one of said tubes and circuit connections for supplying said heater with the anode-cathode current of another of said tubes whereby said heater is heated by unidirectional current and said connections being such as to enable said heater to serve as a bias resistor for said last-mentioned tube.

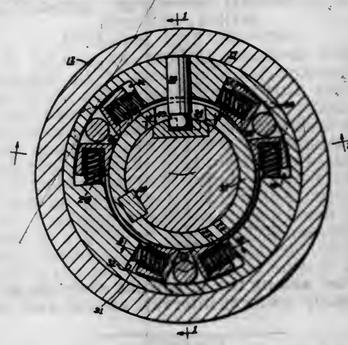
2,259,472
DUPLICATOR FOR MACHINE TOOLS
Clarence Johnson, Cleveland Heights, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Application October 6, 1939, Serial No. 298,290
9 Claims. (Cl. 90—13.5)



1. In a duplicator for machine tools and the like having a relatively movable tool and work piece, means for controlling relative movement between the tool and work piece comprising a port through which fluid is passed from a pressure supply, means responsive to the rate at which fluid is passed through said port for relatively moving the tool and work piece, and a template having the desired shape of the work piece for controlling the rate at which fluid is passed through said port.

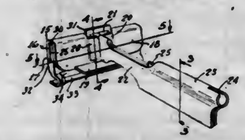
2,259,473
ROLLER CLUTCH
William Horace Johnson, Cranston, R. I., assignor to Weskenson Corporation, Providence, R. I., a corporation of Rhode Island
Application November 15, 1939, Serial No. 304,488
13 Claims. (Cl. 192—44)

1. In a reversible action, overrunning clutch, first and second power transmitting members having cooperating annular rollways, one of said rollways having equally spaced, raised portions, each raised portion having opposite tapered surfaces, equally spaced rolls disposed between said rollways and between said raised portions, con-



tact rollers, a control ring having means for urging said contact rollers against said rolls, and means for shifting said control ring to move said rolls into operative engagement with either one set of tapered surfaces or the other.

2,259,474
RAZOR
Stanley Jones, Glencullen, Oreg.
Application September 6, 1939, Serial No. 293,562
3 Claims. (Cl. 30—62)

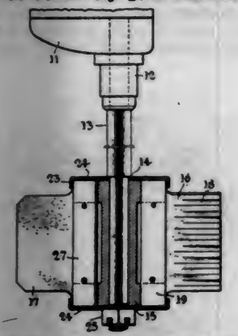


1. A razor consisting of a channel shaped frame, adapted to hold a wafer blade therein, a guard for the edge of the razor blade having an upwardly extending plate projecting into said channel, said plate having a projection extending upwardly through the closed side of said channel, said frame having a wedge shaped socket formed therein registering with said plate extension, the rearmost side of which socket opens into said channel and a handle having a wedge shaped shank adapted to occupy said socket and to bear against said plate while confined within said channel, one side of said channel and said plate constituting a clamp for holding the wafer blade therebetween, said plate having lugs projecting from the ends thereof constituting stops for said wafer blade.

2,259,475
APPARATUS FOR RECONDITIONING ENGINE CYLINDERS
Emil A. Koether, Baltimore, Md., assignor to Koppers Company, Pittsburgh, Pa., a corporation of Delaware
Application April 10, 1940, Serial No. 328,994
4 Claims. (Cl. 51—190)

1. A rotary buffing tool for reconditioning engine cylinders, comprising a shank for mounting in suitable rotating means; a head mounted on said shank; a plurality of brush-like elements projecting outward from said head and comprising abrasive coated fabric slitted to form flexible

fingers; and flexible centering means comprising a plurality of relatively stiff flexible wipers in-



terspersed among the brush-like elements at approximately uniform intervals around said head.

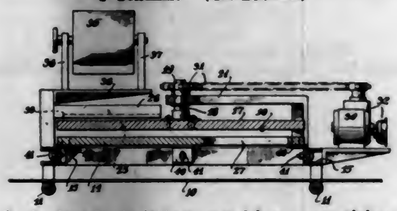
2,259,476

MACHINE FOR TWISTING DOUGH

John MacManus, Yonkers, N. Y., assignor to Cushman's Sons Inc., New York, N. Y., a corporation of New York

Application August 2, 1940, Serial No. 349,612

5 Claims. (Cl. 107—8)



1. A dough twisting machine comprising, in combination, a platform, a rotatable plate mounted for rotation, said rotatable plate having a surface parallel to said platform and facing said platform, said rotatable plate having an aperture therein for the ingress of strips of dough to the space between the rotatable plate and platform, means determining the location of the feed of strips of dough to said opening, said platform also having an opening for the egress of twisted strips of dough from the space between the platform and rotatable plate at a point removed from the location of the feed of the strips of dough so as to cause the relative rotary movement of the facing surfaces of the rotatable plate and platform to twist the strips while being travelled between the plate and platform from the ingress opening to the egress opening, and means for rotating said rotatable plate.

2,259,477

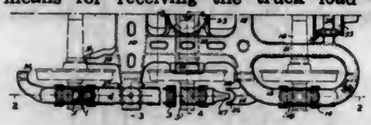
RAILWAY TRUCK

William H. Meyer, St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware

Application March 15, 1939, Serial No. 261,864

30 Claims. (Cl. 105—195)

1. A railway truck comprising at least three wheeled axles, spring units carried on said axles at the sides of the truck, each of said units yielding independently of the other units, rigid side frames extending over two of said axles and mounted on corresponding spring units, rigid framing structure supported in part directly on said side frames and in part by the spring units on another axle, the centers of each spring unit supporting the side frames and framing structure respectively directly over the corresponding axle, and means for receiving the truck load and



transmitting it to the wheeled axles through said framing structure and side frames, said framing structure and side frames in themselves forming sole means equally proportioning the truck load on said means to all of said axles.

2,259,478

GEOPHYSICAL EXPLORATION SYSTEM

Charles Gill Morgan, Pasadena, Calif., assignor, by mesne assignments, to Consolidated Engineering Corporation, Pasadena, Calif., a corporation of California

Application October 1, 1938, Serial No. 232,892

12 Claims. (Cl. 181—0.5)

$s \ldots\ldots s_1 \ldots\ldots s_2 \ldots\ldots s_3 \ldots\ldots s_4 \ldots\ldots s_n$

1. The method of profiling a subsurface formation comprising generating sets of seismic waves successively at a plurality of spaced generating points, receiving and recording said waves after oblique reflection from corresponding series of incidence points on successive extents of said common formation, the reception of waves generated at the respective generating points occurring at corresponding series of detecting points, each series being located a distance from its corresponding generating point which is large compared to the interval between successive detecting points in said series, whereby continuous exploration of said formation is obtained without interference from slow travelling surface waves.

2,259,479

PROCESS FOR THE MANUFACTURE OF THE SOLID COMPOUND OF HYDROGEN PEROXIDE AND UREA

William E. Morgan, Ridgefield, N. J., assignor to Sales Affiliates, Inc., New York, N. Y., a corporation of New York

No Drawing. Application August 3, 1938, Serial No. 222,786

23 Claims. (Cl. 260—555)

1. A process for the manufacture of the solid chemical compound of hydrogen peroxide and urea, which includes compounding a highly concentrated, aqueous mixture with not more than 36 per cent water, and substantially equimolecular proportions of hydrogen peroxide and urea, effecting substantially complete liquefaction directly after intermixing the components, and at temperatures substantially higher than 37° C. and lower than temperatures involving harmfully extensive decomposition, and thereupon cooling to effect crystallization throughout substantially the entire mass of said mixture.

2,259,480

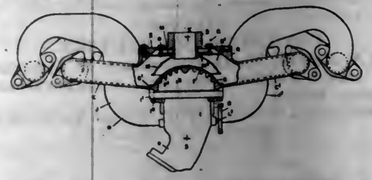
MANIFOLD

Thomas A. Morris, Detroit, Mich., assignor to National Devices Corporation, Detroit, Mich.

Application October 10, 1940, Serial No. 360,649

10 Claims. (Cl. 123—122)

1. An inlet manifold for multicylinder internal combustion engines comprising a central portion forming a chamber and conduits extending radially outward therefrom to the several cylinders,



an axial inlet to said central chamber, a wall opposed to said axial inlet provided with a capillary surface covering, and a chamber for exhaust gases on the opposite side of said wall.

2,259,481

TREATED PIGMENTS AND METHOD OF MAKING

Kenneth S. Mowlds, Baltimore, Md., assignor to The Glidden Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application April 24, 1939, Serial No. 269,785

17 Claims. (Cl. 106—295)

1. The process of treating pigments which comprises subjecting a pigment composition comprising a base pigment and an insoluble reaction product of a soluble silicate and a precipitating salt selected from the class consisting of alkaline earth metal salts and zinc salts to the action of carbon dioxide to convert the metal oxide present in the insoluble silicate into the corresponding carbonate.

2,259,482

METHOD OF TREATING PIGMENTS AND PRODUCTS PRODUCED THEREBY

Kenneth S. Mowlds, Baltimore, Md., assignor to The Glidden Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application April 24, 1939, Serial No. 269,786

22 Claims. (Cl. 106—295)

1. The process of improving the hiding power of base pigments which comprises treating silicic acid with a metallic insolubilizing and precipitating agent therefor selected from the class consisting of oxides and hydroxides of alkaline earth metals, zinc and aluminum to convert the silicic acid into the corresponding insoluble metallic silicate, and mixing the resulting insoluble silicate with a base pigment.

2,259,483

METHOD OF TREATING SULPHIDE PIGMENTS

Kenneth S. Mowlds, Baltimore, Md., assignor to The Glidden Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application April 24, 1939, Serial No. 269,787

10 Claims. (Cl. 106—295)

1. The process of improving a pigment prepared by treating an aqueous slurry of a light colored sulphide pigment with an alkali metal silicate and a water soluble salt capable of precipitating said silicate in insoluble form, which comprises treating said pigment with an organic compound which reacts with easily ionizable salt occluded during the precipitation of the silicate to form a non-reactive relatively non-ionizable organic compound of said occluded salt.

2,259,484

PROCESS OF TREATING CALCINED LITHOPONE

Kenneth S. Mowlds, Baltimore, Md., assignor to The Glidden Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application October 10, 1940, Serial No. 360,592

12 Claims. (Cl. 106—295)

1. A process of treating calcined lithopone containing an active calcined compound of a metal of the group consisting of zinc, aluminum and the alkaline earth metals and which compound promotes discoloration when employed in baking enamels, said process comprising treating said lithopone with an aqueous acid solution, then forming insoluble, non-reactive proteinate with the metal of the soluble salt of said metal in the resulting mass by treating with a proteinate of a member of the group consisting of sodium, potassium and ammonium, and then adjusting the pH of the resulting mass to a value of at least 7.

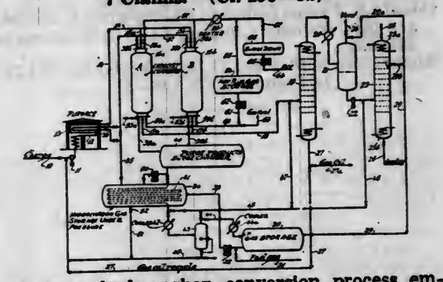
2,259,485

CATALYST PURGING

William B. Plummer, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application September 13, 1939, Serial No. 294,775

7 Claims. (Cl. 196—52)



1. In a hydrocarbon conversion process employing a solid catalyst which periodically becomes coated with carbonaceous materials, the method of recovering hydrocarbon oils from said coated catalyst materials prior to regeneration which comprises contacting said catalyst material with a normally gaseous hydrocarbon mixture rich in C_3 and C_4 hydrocarbons at a temperature of about 750 to about 950° F. and from a source at an initial pressure of about 50 to about 400 pounds per square inch.

2,259,486

CATALYST PURGING

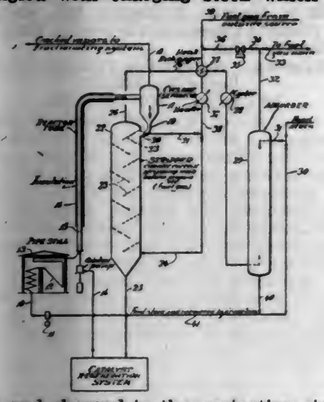
Morris T. Carpenter, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application September 13, 1939, Serial No. 294,777

8 Claims. (Cl. 196—52)

7. In a catalytic hydrocarbon conversion process the method of operation which comprises suspending powdered catalyst in hot hydrocarbon charging stock vapors and effecting contact of vapors with suspended catalyst in a zone of upflowing vapors, separating catalyst from reaction vapors and introducing the separated catalyst into a stripping zone, countercurrently stripping said separated catalyst at a temperature of about 750 to 950° F. with a normally gaseous hydrocarbon for recovering oil from cat-

alyst, scrubbing the stripping gas with stock charged to the process so that recovered oil is commingled with charging stock which is va-



porized and charged to the contacting step and removing dry catalyst from the base of said stripping zone.

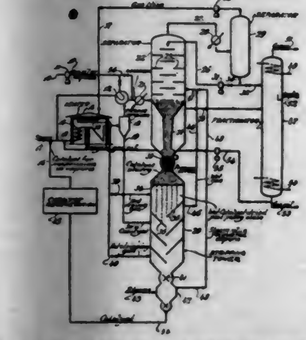
2,259,487

CATALYST RECOVERY

Donald E. Payne, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application September 13, 1939, Serial No. 294,787

16 Claims. (Cl. 196—52)



10. A hydrocarbon conversion process which comprises suspending a powdered catalyst in oil vapors, contacting said oil vapors with said suspended catalyst for about 5 to 50 seconds at a pressure of atmospheric to 50 pounds per square inch and at a temperature of about 800 to 1000° F. for effecting hydrocarbon conversion, mechanically separating most of the suspended catalyst from the vapors at substantially reaction temperature, cooling the vapors from which most of the catalyst has been separated to effect a partial condensation of the vapors and to form a slurry of the remaining catalyst in the condensate, scrubbing the uncondensed vapors for removing catalyst material therefrom and combining said removed catalyst with said slurry, stripping oil from the catalyst removed in the mechanical separation step and the catalyst contained in the slurry, regenerating the catalyst which has thus been freed from oil and returning the regenerated catalyst for reuse in the conversion process while said catalyst retains regeneration heat whereby the heat retained by the catalyst may be imparted to the oil vapors in which the regenerated catalyst is resuspended.

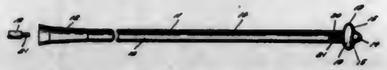
2,259,488

CATHETER AND THE LIKE

Paul A. Raiche, North Providence, R. I., assignor to Davol Rubber Company, a corporation of Rhode Island

Application March 9, 1937, Serial No. 129,828

2 Claims. (Cl. 18—58)



1. In the manufacture of rubber articles, the steps of assembling separable parts into a form, one end part being of greater width than the part adjacent thereto, dipping said assembled form in a rubber solution to produce the article, positioning a non-elastic reinforcement on part of said article between dips to imbed the reinforcement as an integral part of the article, forming an opening in the article adjacent said end part, and removing said form parts separately from said article, said end part being removed through said opening.

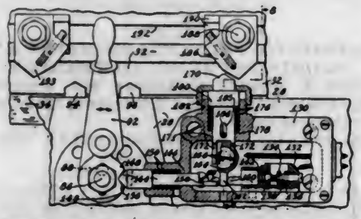
2,259,489

ACTUATING AND CONTROL MECHANISM FOR MACHINE TOOLS

William S. Renier, Providence, R. I., assignor to Brown and Sharpe Manufacturing Company, a corporation of Rhode Island

Application October 31, 1939, Serial No. 302,125

15 Claims. (Cl. 90—21)



1. An actuating and control mechanism for a machine tool having a reciprocable support, which comprises power driving means for the support operable to drive the support at alternate feed and quick traverse rates, reversing means associated with said driving means to reverse the direction of support movement, a manually operable control lever for said support having intermediate neutral and reverse running positions, a feed-quick traverse control mechanism comprising a connection operable by movement of the control lever to a running position to effect support movement at the traverse rate, and means acting independently of said reversing lever when rendered operative during continued support movement in one direction for actuating said feed quick traverse control mechanism to effect support movement at the feed rate.

2,259,490

ADHESIVE COMPOSITION

John E. Robinson, Glen Ellyn, Ill., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application July 10, 1937, Serial No. 153,053

3 Claims. (Cl. 260—27)

1. A composition of matter suitable for application to a fibrous surface at a temperature of at least 300° F. consisting of a mixture of approximately 70 parts of polymerized vinyl acetate and approximately 30 parts of dammar resin which will not lose its adhesive qualities when subjected to high temperatures.

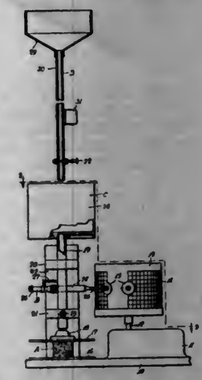
2,259,491

APPARATUS FOR MEASURING PLASTICITY

Paul S. Roller, Berwyn, Md.

Application January 9, 1939, Serial No. 249,892

2 Claims. (Cl. 265—2)



1. In an apparatus for determining the plasticity of sample specimens, comprising a base including a platten to receive a specimen for test, a vertical guide disposed adjacent said platten, a plunger movable in said guide and including a platten member at its lower end for engagement with the specimen, a receptacle carried by the plunger to receive a load material, means for depositing load material in said receptacle at predetermined rate, and a recorder mechanism including relatively movable chart and stylus elements, one of said elements being fixed to move with the plunger in response to deformation of said specimen and the other element being movable in direct ratio to the rate of deposition of load material in said receptacle.

2,259,492

THERAPEUTIC PREPARATION OF BISMUTH AND METHOD OF PREPARING SAME

Simon L. Ruskin, New York, N. Y.

No Drawing. Application May 28, 1938, Serial No. 210,772

5 Claims. (Cl. 260—344)

1. The method of preparing a therapeutically valuable compound of bismuth, which comprises dissolving cevitamic acid in a suitable solvent, adding thereto a soluble bismuth salt, whereby a reaction takes place to form the metal compound of said acid, and isolating the reaction product.

2,259,493

AUTOMATIC FILM JAM SHUTOFF

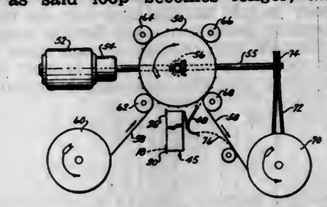
Melvin Shorr, Dayton, Ohio

Application April 4, 1941, Serial No. 386,869

5 Claims. (Cl. 242—57)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A strip winding device comprising a supply reel, a feed wheel, a rewind reel, an electric power source, and an electric motor for driving said feed wheel and said rewind reel, in combination with strip guiding means situated between the feed wheel and the rewind reel adapted, when said rewind reel fails to keep the strip taut by too slow rotation, to define a loop in said strip, a loop catcher outside the loop at the closed end, adapted to be moved by pressure from said closed end as said loop becomes longer, an electric



switch operable from its normal position to a second position by movement of said catcher, an electric signal, and electrically conductive means operatively connecting said motor to said power source through said switch, when said switch is in its normal position, and operatively connecting said signal to the power source through said switch when said switch is in its second position.

2,259,494

TREATMENT OF THE ACID RESULTING FROM NITRATING CELLULOSE

William E. Sillick, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application October 31, 1939, Serial No. 302,205

5 Claims. (Cl. 260—220)

1. In the process of preparing nitrocellulose in which the spent nitrating acid which is separated from the nitrocellulose has a temperature above 90° F. and is stored either in whole or part for reuse in a subsequent nitration, the step which comprises subjecting the spent nitrating acid to a positive cooling to a temperature of less than 90° F. immediately after its separation from the nitrocellulose but prior to placing it in the storage receptacle.

2,259,495

SLIDE FASTENER CONSTRUCTION FOR GARMENTS

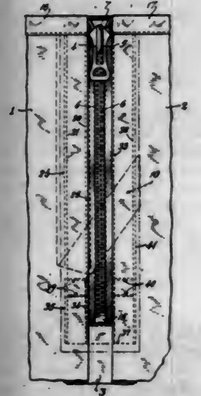
John Giovanni Soave, Long Island City, N. Y., assignor to Waldes Koh-I-Noor, Inc., New York, N. Y., a corporation of New York

Application June 22, 1939, Serial No. 280,534

7 Claims. (Cl. 2—38)

1. In combination, a slide fastener comprising a pair of stringer tapes provided with interlocking fastening means along their opposed edges, a slider on said fastening means for opening and closing the same, means permanently connecting the lower ends of said stringer tapes and serving as a stop for the slider when the latter is moved to the fully opened condition of the fastener to permit one of the stringer tapes to bend at the upper end of the slider and away from the other stringer tape, a backing member underlying said stringer tapes in their closed position, a flexible elongated member permanently secured to said bendable stringer tape and extending downwardly on the underside of such tape in the latter's closed position to a point located near to and above the slider when the latter is at the bottom end of the fastener, said member at such point being folded to extend diagonally upward across the

underside of said fastening means and the other stringer tape, means permanently securing the diagonally extending portion of said flexible member to said backing member and said other stringer tape within the area of the latter and securing means located adjacently above the fold of said member in the closed condition of the fastener and securing the diagonally extending portion of said member to said backing member, the diagonally extending portion of said flexible member being so disposed with relation to said tapes that when said bendable stringer tape is bent away from the other stringer tape under transverse



stresses in the fully opened position of the slider, said flexible member is extended to its full length and equally distributes throughout its entire area the transverse stresses exerted on the fastener in such region thereby reducing to a minimum the strains on said securing means, and said securing means transmitting the uniformly distributed stresses acting on said flexible member to both of said stringer tapes and said backing member whereby all portions of the structure cooperate to absorb the transverse stresses acting on such structure and no portion of the structure less than the whole will be subjected to all of such stresses.

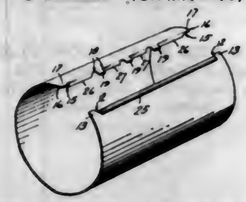
2,259,496
COPOLYMERIZATION OF POLYCYCLOPENTADIENE AND STYRENE
Frank J. Soday, Upper Darby, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
No Drawing. Application July 23, 1938, Serial No. 221,023
14 Claims. (Cl. 260—86)

1. A process comprising polymerizing soluble polycyclopentadiene with monomeric styrene.

2,259,497
COPOLYMERIZATION OF POLYCYCLOPENTADIENE AND RING-SUBSTITUTED METHYL STYRENE
Frank J. Soday, Upper Darby, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
No Drawing. Application July 16, 1938, Serial No. 219,557
14 Claims. (Cl. 260—86)

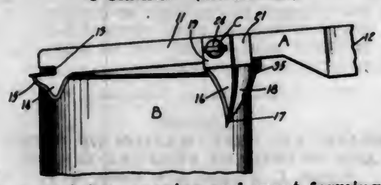
7. As a new resinous composition the product of the polymerization of soluble polycyclopentadiene with monomeric ring-substituted methyl styrene.

2,259,498
CAN BODY
Russell C. Taylor, Greenwich, Conn., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application October 14, 1937, Serial No. 169,027
3 Claims. (Cl. 220—76)



3. A sheet metal can comprising a body having the edge portions thereof joined by a solder bonded side seam including lap portions at the ends of the side seam, an inner hook extending all the way from the inner lap section at one end of the seam to the inner lap section at the other end of the seam, a series of spaced outer hooks disposed between the outer lap portions at the ends of the side seam and adapted to engage said inner hook, the metal between said spaced hooks being extended laterally of the side seam so as to lap the outer face of the body wall, said extended portions being inset into the body wall so as to be substantially flush therewith, and a solder bond extending throughout the limits of the side seam and the limits of the extended portions for uniting the same and for covering the edges of the lap sections so that no raw edge of metal is exposed either on the inside of the can body or the outside thereof.

2,259,499
CONTAINER OPENER
Russell C. Taylor, Greenwich, Conn., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application August 1, 1940, Serial No. 349,069
3 Claims. (Cl. 30—16)

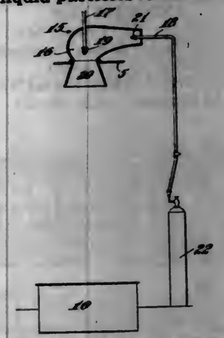


1. A container opening and spout forming device, comprising in combination, an opener plate having at one of its ends a container rim receiving portion, a cutter blade adjacent said portion adapted in one position to cut a vent hole through one container wall and in another position to cut through another container wall, said plate having adjacent the opposite end a combined cutter and spout forming device adjustably mounted thereon which device is adapted to cut a pouring opening into a wall of the container and at the same time form the material surrounding said pouring opening into a pouring spout.

2,259,500
FIRE EXTINGUISHING METHOD
Norman J. Thompson, Wellesley, Mass.
Application August 22, 1939, Serial No. 291,349
2 Claims. (Cl. 169—14)

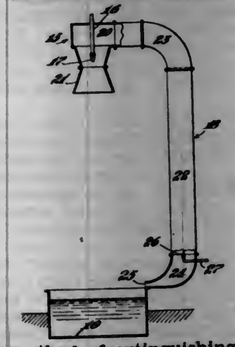
1. The method of extinguishing fires which

comprises propelling a spray of discrete fire-extinguishing liquid particles from an orifice direct-



ly to the fire and with said spray aspirating to the fire a gaseous extinguisher between and around said particles.

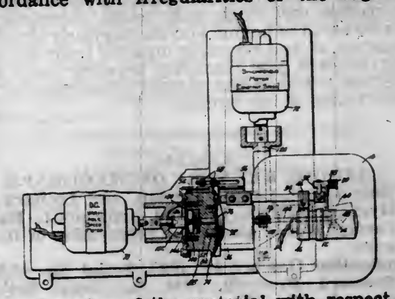
2,259,501
FIRE-EXTINGUISHING METHOD AND APPARATUS
James B. Smith, Rockland, Mass.
Application September 2, 1939, Serial No. 293,274
12 Claims. (Cl. 169—12)



12. The method of extinguishing a fire which comprises propelling a divergent spray of discrete fire-extinguishing particles to the fire directly from a location in the space adjacent to the fire, directing the products of combustion of the fire to said location, and at said location introducing said products into the spray by aspiration at the divergent portion of the spray, thereby to return products of combustion to the fire.

2,259,502
MATERIAL HANDLING MECHANISM
Laurence E. Topham, Wenham, and Stephen E. Woodbury, Beverly, Mass., assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application December 22, 1939, Serial No. 310,586
29 Claims. (Cl. 271—52)

1. A mechanism for handling irregularly shaped sheet material comprising a support, means for feeding irregularly shaped sheet material over the support, means for operating said feeding means to vary the direction of feed of the material, and photoelectrically controlled means responsive to the position of the edge of the material in control of said operating means to vary the direction of feed of the material in accordance with irregularities of the edge to

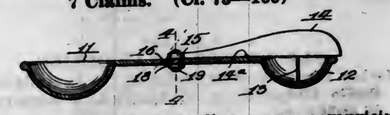


guide the edge of the material with respect to a control point.

2,259,503
ETHERIFIED CATION EXCHANGING PHENOL-FORMALDEHYDE RESINS
Hans Wassenegger, Dessau in Anhalt, and Erhard Meier, Bitterfeld, Germany
No Drawing. Application July 7, 1938, Serial No. 218,014. In Germany July 13, 1937
2 Claims. (Cl. 260—49)

1. Insoluble cation exchanging resins comprising phenol-formaldehyde resins containing ω-sulfonic acid groups and etherified phenolic hydroxy groups, said resins being obtained by etherifying phenolic hydroxy groups of insoluble formaldehyde-phenol resins containing ω-sulfonic acid groups, said resins having little tendency to swell in the presence of aqueous solutions.

2,259,504
COMBINED MEASURING AND LEVELING SPOON
Clarence M. Wilson, New York, N. Y., and John Thorne Lane, Los Angeles, Calif.
Application October 3, 1939, Serial No. 297,636
7 Claims. (Cl. 73—165)



1. A measuring and leveling spoon comprising a handle, bowls of different sizes on the ends thereof, partitions within one of said bowls for dividing the space therein into four compartments of equal size, an arm pivotally mounted on the intermediate portion of said handle and adapted to sweep across the tops of said bowls and a plate projecting from one side of said arm and adapted to cover one of the compartments of the bowl having the partitions.

2,259,505
LOOSE-LEAF BINDER CLIP
Pollard V. Wisdom, New York, N. Y.
Application April 8, 1940, Serial No. 328,438
3 Claims. (Cl. 129—37)



1. In combination with a loose leaf binder having front and back leaves with a pleated connec-

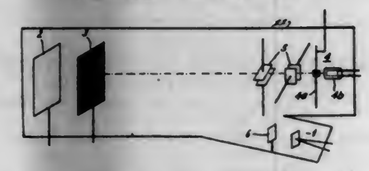
tion therebetween, of a clip including a pair of normally closed resilient clamping jaws, adapted to receive and clampingly retain therebetween the leaves to be bound, and an exteriorly disposed terminal at and reversely directed from the free end of each jaw clamping between itself and the jaw a fold of the pleated connection of the back leaves of the binder.

2,259,506

CATHODE RAY TUBE OSCILLOGRAPH

Arthur James Young, London, and Leonard M. Myers, Yorkshire, England, assignors to Radio Corporation of America, a corporation of Delaware

Application October 24, 1935, Serial No. 46,526. Renewed June 20, 1940. In Great Britain December 21, 1934
9 Claims. (Cl. 250—150)



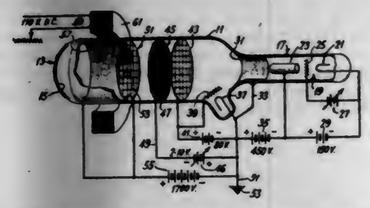
1. A cathode ray tube reproducer comprising means for projecting a main beam of electrons towards an area upon which a picture is to be reproduced so as to bombard the whole picture area, an electrode which is permeable to said main beam interposed in path of said main beam, means obliquely positioned with respect to the means for projecting the main beam of electrons for scanning said electrode by a signal controlled concentrated cathode ray beam whereby said electrode receives electron density controlling potentials at different elemental areas thereof, said picture area being longitudinally displaced from said permeable electrode at a distance at least great enough to minimize electron shadow effects of said permeable electrode upon said picture area.

2,259,507

ELECTRONIC RELAY DEVICE

Harley Iams, Berkley Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application December 19, 1936, Serial No. 116,689
27 Claims. (Cl. 178—7.5)



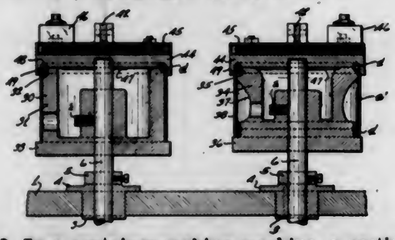
1. The method of producing electro-optical effects which comprises producing a bidimensional electrostatic image of a subject, varying the intensities of the electrostatic charge of elemental areas of the electrostatic image in accordance with signalling modulation and uniformly flooding the signal modulated electrostatic image with an electron flow to produce a magnified intensity electronic duplicate.

2,259,508

MEANS FOR THE MANUFACTURE OF CONTAINERS

Alvin A. Abramson, St. Louis, Mo., assignor to Central States Paper & Bag Company, St. Louis, Mo., a corporation of Missouri

Application July 3, 1939, Serial No. 282,601
10 Claims. (Cl. 18—1)



3. In a container-making machine, a vertically disposed mandrel provided around the peripheral portion of its upper end face with an annular bead-forming surface, means for rotating the mandrel about its vertical axis, a stop-flange at the lower end of said mandrel for supporting a tubular section of thermoplastic container-forming material upon the mandrel in such a manner that a portion of the material projects above the upper end of the mandrel, and heated means positioned above the mandrel and being free to move downwardly toward the mandrel by its own weight thereby engaging the projecting portion of the thermoplastic material and causing said portion to curl into bead formation under substantially constant pressure.

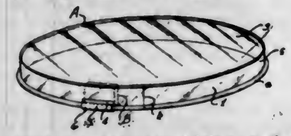
8. In a machine for making open-ended cylindrical tubes provided at both ends with peripheral beads, a mandrel having an end face provided with an annular bead-forming channel, said mandrel further being provided intermediate its ends with a clearance groove for permitting a bead-ended tubular section to be slipped onto the mandrel, said mandrel further being of reduced diametral size on the side of the clearance groove remote from the end face for accommodating the preformed bead of the bead-ended tubular section, and bead-forming means shiftable toward and away from the mandrel end face and having an annular groove complementary in shape to and adapted for cooperative registration with the bead-forming channel of the mandrel to form a closed tubular bead.

2,259,509

CONTAINER LID

Alvin A. Abramson, St. Louis, Mo., assignor to Central States Paper & Bag Company, St. Louis, Mo., a corporation of Missouri

Application December 4, 1939, Serial No. 307,369
3 Claims. (Cl. 206—44)



1. A container lid comprising a frame constructed from a flat split strip having a substantially tubular bead along a longitudinal margin and its ends in abutment, a rod-like member disposed in the bead across the line of abutment of the strip-ends for holding the strip in frame

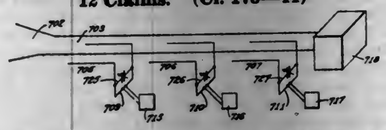
formation, a flexible top member extending over the area of the frame and clampingly held along its margin by the inturned edge of the bead, and a hinge-forming member rotatably mounted on the bead having a U-shaped extension for clipwise engaging the margin of a container.

2,259,510

COUPLING ARRANGEMENT FOR HIGH FREQUENCY TRANSMISSION SYSTEMS

Andrew Alford, San Mateo, Calif., assignor to Mackay Radio & Telegraph Company, New York, N. Y., a corporation of Delaware

Application August 2, 1938, Serial No. 222,632
12 Claims. (Cl. 178—44)



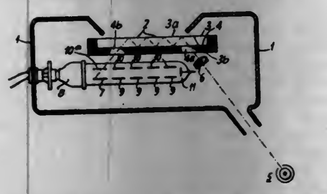
1. In a high frequency signalling system, a substantially uniform transmission line connected between a source of high frequency energy and a load for carrying high frequency signals, and means for influencing the transmission of waves along said line comprising a conductor arrangement conductively separated from said line and coupled to said line differently at one end than at the other, said conductive arrangement being short relative to said line, and means for adjusting the tuning of said conductor.

2,259,511

MICROPHONE

George Baldwin Banks, Billericay, England, assignor to Radio Corporation of America, a corporation of Delaware

Application September 30, 1938, Serial No. 232,513
In Great Britain October 14, 1937
3 Claims. (Cl. 179—138)



1. A microphone comprising in combination a casing member having a large and a small aperture therein, a pair of reflecting surfaces located near said large aperture in said casing, means for projecting a light beam on one of said surfaces through the small aperture of said casing, the other one of said surfaces having a plurality of apertures therein, said surfaces being positioned within said casing so that said beam is reflected from one surface to the other and back a plurality of times, an electron discharge device of the electron multiplier type supported within said casing, said electron discharge device having an input electrode positioned in the path of the light beam as it leaves the reflecting surfaces and passes through one of said apertures, said device having an output electrode from which electrical charges may be taken outside of said casing, and means responsive to sound waves for moving at least one of said reflecting surfaces to thereby alter the path of said light beam and the amount of light reaching said input electrode.

2,259,512

MIXED ANHYDRIDES OF FORMIC ACID AND ACRYLIC AND THE ALPHA SUBSTITUTED ACRYLIC ACIDS

Carl E. Barnes, Worcester, Mass., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 1, 1939, Serial No. 265,525
11 Claims. (Cl. 260—83)

3. A polymeric mixed anhydride of formic acid and another acid selected from the group consisting of acrylic acid and methacrylic acid.

2,259,513

METHODS OF INHIBITING POLYMERIZATION OF UNSATURATED METHYLENE COMPOUNDS

Carl E. Barnes, Worcester, Mass., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 8, 1939, Serial No. 283,455. In France March 1, 1939
2 Claims. (Cl. 260—464)

1. A polymerizable monomeric unsaturated methylene compound selected from the group of the acids having the formula

$$CH_2{=}C(R){-}COOH$$

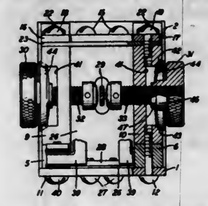
in which R is selected from the group of hydrogen, halogen, and a methyl group, and the esters, anhydrides, halides, and nitriles of said acids, stabilized against polymerization by the addition thereto of a chromium salt which is soluble in said monomeric compound.

2,259,514

ELECTROMAGNETIC DEVICE

David E. Branson, River Edge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application May 25, 1939, Serial No. 275,607
2 Claims. (Cl. 175—339)



2. A pole-piece for an electromagnetic device comprising a pole-block having an outer conical seat, an adjustable screw extending therethrough, a nut on said screw, and a thin sheet metal circular disk fixedly secured to said nut, said disk having at its periphery a continuous narrow conical rim and acting as a spring to yieldingly engage its rim with the conical seat of said pole-block.

2,259,515

DYEING CELLULOSE DERIVATIVE MATERIALS

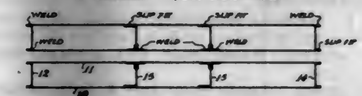
Cyril M. Croft, George W. Seymour, and Walter Brooks, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application April 22, 1939, Serial No. 269,414
6 Claims. (Cl. 8—59)

1. Method of dyeing material containing an

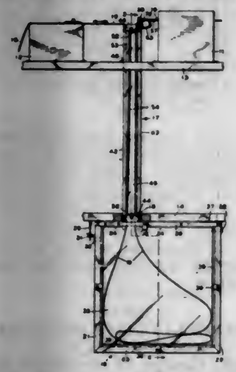
organic derivative of cellulose, which comprises treating said material in a bath containing a dyestuff having substantially no affinity for the organic derivative of cellulose and which contains acid groups and 5 to 10%, on the weight of the bath, of a mixture of glycerol butal, glycerol monochlorhydrin and acetic acid in which mixture the glycerol butal and the glycerol monochlorhydrin are present in equal proportions and together comprise a major portion of the mixture, and the acetic acid is present in small amount.

2,259,516
SILENCER CONSTRUCTION
Floyd E. Deremer, Detroit, Mich.
Application September 23, 1940, Serial No. 357,886
1 Claim. (Cl. 181—61)



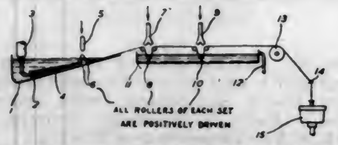
In a silencer comprising relatively telescoped inner and outer tubes provided with end headers for connecting and laterally spacing them, and arranged for permitting limited relative longitudinal and lateral movement of the tubes, an annular diaphragm traversing or bridging the space between the tubes, a collar anchored to one tube and telescopically connected to the diaphragm so as to seal the space between the diaphragm and said tube and to anchor the diaphragm against longitudinal movement with respect to said tube and to permit relative transverse movement of the diaphragm and said tube, the other edge of the diaphragm being in sealing relation with the other tube, whereby the other tube is movable longitudinally with respect to the diaphragm and the tube having the collar.

2,259,517
TAPE ACCUMULATOR
Adam Drenkard, Jr., Grantwood, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application April 6, 1939, Serial No. 266,276
20 Claims. (Cl. 178—17.5)



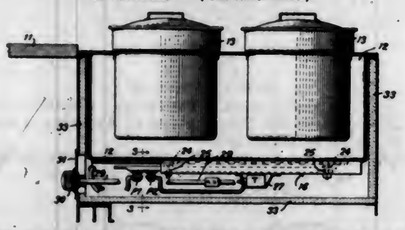
1. In apparatus for handling a loop of tape, a storage compartment for said tape loop, and a guideway having one end thereof in communication with said compartment, and means whereby said communicating end serves jointly as the entrance and exit of said compartment for said tape.

2,259,518
MANUFACTURE OF ARTIFICIAL MATERIALS
Henry Dreyfus, London, England
Application October 10, 1936, Serial No. 105,071
In Great Britain October 28, 1935
2 Claims. (Cl. 18—8)



1. In wet spinning apparatus for the production of artificial filaments, yarns, foils, films and similar materials, a vessel for containing coagulating liquid, a shaping device through which a spinning solution is extruded into the vessel containing the coagulating liquid, and a plurality of forwarding devices at least one of which is contained substantially within the vessel containing the coagulating liquid, each of which comprises a set of three rollers arranged at the vertices of a triangle, each of the rollers of each set being positively driven.

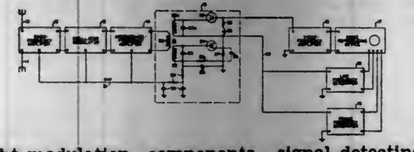
2,259,519
HOT FOOD STORAGE TABLE
Samuel H. Ershler, Woodcliff, N. J.
Application May 26, 1939, Serial No. 275,817
3 Claims. (Cl. 219—19)



1. A hot food storage table, comprising in combination, a food inset compartment, an insulating enclosure for said compartment and a heating unit therefor, a metal plate secured intermediate its width to the bottom wall of said compartment and having its side edges standing clear of the bottom wall to form supporting slides, said plate having large openings for the passage of heat directly from a heating element to said compartment wall, a removable heating unit including a casing having a bottom and side walls with over-hanging edges adapted to ride on the slide edges of said plate, a heating element in said casing, a thermostat mounted on and beneath the bottom of said casing, terminal posts located near the front of said casing for selectively connecting leads from said heating element and thermostat, and a manual control mounted on the heating unit beyond the end of said casing and outside said insulating enclosure for accessible operation by an attendant at the front of the table.

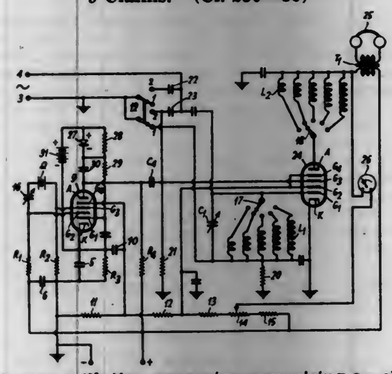
2,259,520
TELEVISION RECEIVING APPARATUS
Robert L. Freeman, Flushing, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application March 15, 1939, Serial No. 261,910
13 Claims. (Cl. 178—7.3)

1. A television receiver adapted to receive and reproduce a television signal-carrier wave modulated by combined light-modulation components and synchronizing-signal components having amplitude values outside the amplitude range of the light-modulation components comprising, a single rectifying circuit for deriving from said signal-carrier wave an output signal including said synchronizing-signal components separate from said other modulation components and a control effect proportional to the average amplitude of said carrier wave and independent of



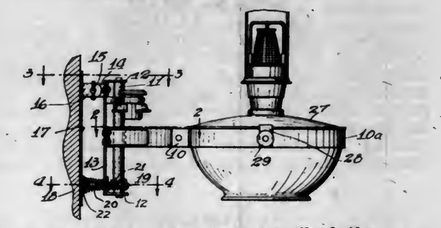
light-modulation components, signal-detecting means operating jointly upon said output of said rectifying circuit and said signal-carrier wave to derive said light-modulation components separate from said synchronizing-signal components, means for utilizing said control effect for controlling an operating characteristic of the receiver, means for utilizing said separated synchronizing components for synchronizing the operation of the receiver, and signal-reproducing means for utilizing said derived light-modulation components.

2,259,521
CRYSTAL-CONTROLLED OSCILLATOR AND UTILIZATION CIRCUIT THEREFOR
Roman Golicke, Falkensee, Kreis Osthavelland, Germany, assignor to "Fides" Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten m. b. H., Berlin, Germany, a corporation of Germany
Application December 15, 1938, Serial No. 245,850
In Germany December 17, 1937
9 Claims. (Cl. 250—36)



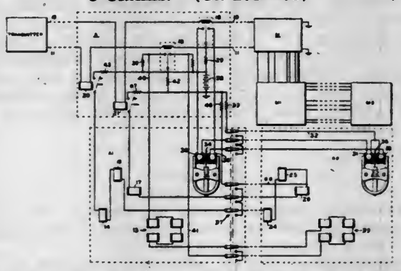
1. An oscillation generator comprising an electron discharge tube having a cathode, an anode, and a plurality of grids of which at least two are positively biased with respect to the cathode and a third grid interposed between said two is negatively biased with respect to said cathode, a piezo-electric device connected between said third grid and the positively biased grid which intervenes between it and the cathode, means including a direct current source for obtaining said biases and for rendering the anode positive with respect to the cathode, and two grid leak impedances of high ohmic value, one being connected between the positive terminal of said source and that one of said positively biased grids through which electrons pass to the negatively biased grid, the other grid leak impedance being connected between the negative terminal of said source and said negatively biased grid.

2,259,522
BRACKET FOR LAMPS AND THE LIKE
Roy W. Hall, Oak Park, Ill., assignor to The Mantle Lamp Company of America, Chicago, Ill., a corporation of Illinois
Application June 3, 1940, Serial No. 338,499
5 Claims. (Cl. 248—278)



1. In a bracket of the class described, the combination of a base for attachment to a supporting means, a supporting plate having a first and freely movable hinge connection with said base on a horizontal axis, first resilient means between said plate and said base cushioning relative movement of said base and said plate on said hinge connection, a supporting arm having a second and freely movable hinge connection with said plate on a vertical axis, and second resilient means between said arm and said plate cushioning movement of said arm relatively to said plate on said second hinge connection.

2,259,523
PRINTING TELEGRAPH REPEATER
George S. Hiltz, Brooklyn, N. Y., assignor, by mesne assignments, to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application April 20, 1938, Serial No. 203,036
3 Claims. (Cl. 178—73)



1. In a printing telegraph receiver, a polarized electromagnetic device having a series connection of two operating windings, a neutral electromagnetic device having an operating winding, a source of direct current potential connected with the same polarity to each of the terminals of said series connection, a relay having contacts responsive to telegraph line signals, return paths from said terminals to the opposite polarity of said potential, and means including said relay contacts for successively rendering said paths alternately conductive and nonconductive to produce current reversals through the operating

windings of said polarized device and a unidirectional current flow through the operating winding of said neutral device.

2,259,524

METHOD FOR POLYMERIZING AND MOLDING UNSATURATED METHYLENE COMPOUNDS

Samuel S. Kistler, West Boylston, Mass., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 23, 1940, Serial No. 320,414
4 Claims. (Cl. 18—58)

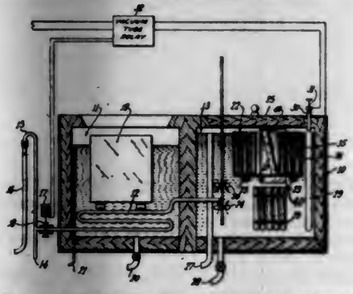
1. The method of polymerizing a substance containing an unsaturated methylene compound comprising the steps of placing the monomeric substance in a mold, the effective interior surface of which is composed of silver, then subjecting the material while in said mold to heat and causing polymerization thereof and thereafter removing the polymerized resin from the mold.

2,259,525

VISCOSIMETRIC APPARATUS

Quick Landis, Bronx, N. Y., assignor to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware

Application September 22, 1938, Serial No. 231,175
3 Claims. (Cl. 265—11)



2. In an apparatus for measuring viscosity of materials the improvement which comprises, in combination, a calibrated transparent master tube and at least two matched transparent viscosity tubes adapted to be sleeved into said master tube, each of said viscosity tubes utilizing the master tube calibrations when viscosity is measured.

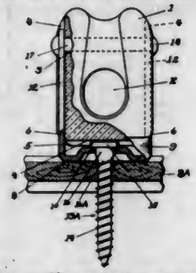
2,259,526

INSULATOR

Clarence J. Lemont, South Milwaukee, Wis., assignor to Line Material Company, Milwaukee, Wis., a corporation of Delaware

Application April 12, 1940, Serial No. 329,211
2 Claims. (Cl. 174—154)

1. A bracket comprising an insulator having a transverse aperture and diametrically disposed grooves extending from said aperture to one end of said insulator, in combination with a unitary reinforcing frame comprising a substantially non-yielding cup-like base rigidly embracing said one end and a pair of arms integral with the base disposed in said grooves, means in said aperture securing said arms in said grooves, said base having a portion spaced from said one end providing a central inwardly dished portion on said base with a centrally disposed polygonal aperture in said dished portion, and a screw having an unthreaded portion of its shank complementary to said polygonal aperture and having a head disposed between said base and said one end of said



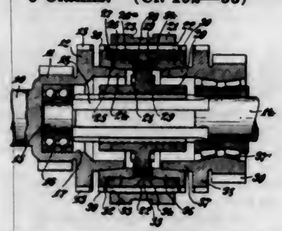
insulator, the unthreaded portion of the screw shank being disposed in the inwardly dished portion of said base when the insulator is screwed home.

2,259,527

SYNCHRONIZING MECHANISM

Keith R. Manville, Highland Park, N. J., assignor to Mack Manufacturing Corporation, Long Island City, N. Y., a corporation of Delaware

Application May 12, 1938, Serial No. 207,468
6 Claims. (Cl. 192—53)



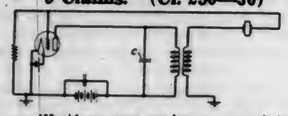
1. In a synchronizing mechanism, the combination of a pair of clutch elements relatively shiftable into and out of power transmitting engagement, a first synchronizing member fixedly connected to one of said clutch elements, a second synchronizing member movably associated with the other clutch element, means on said second synchronizing member movable to positions for blocking and allowing shifting of a clutch element, a friction member movably mounted on one of the synchronizing members, and resilient means urging the friction member into light frictional engagement with the other of the synchronizing members to retain the means on said second synchronizing member in blocking position when the clutch elements are not synchronized.

2,259,528

CRYSTAL CONTROLLED OSCILLATOR FOR ULTRA-HIGH FREQUENCIES

Warren P. Mason, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application January 5, 1939, Serial No. 249,388
9 Claims. (Cl. 250—36)



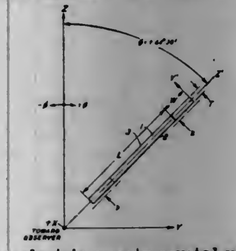
1. An oscillation generator comprising an amplifier, a pair of input and a pair of output electrodes therefor, and a network between said pairs of electrodes comprising a piezoelectric crystal, said network exclusive of the crystal also comprising a tuned circuit connected directly between said output electrodes and a separate phase reversal means, the network being otherwise substantially reactanceless, and said crystal and said phase reversal means being connected effectively in series between said input electrodes, whereby the generator as a whole is adapted for maximum energy output coincidentally with adjustment for maximum stability of frequency as affected by voltage changes.

2,259,529

PIEZOELECTRIC CRYSTAL APPARATUS

Warren P. Mason, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 19, 1940, Serial No. 361,857
13 Claims. (Cl. 171—327)



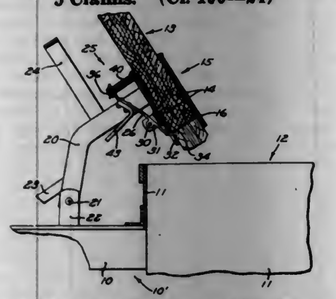
1. A piezoelectric quartz crystal vibratory body having its opposite substantially rectangular major faces substantially parallel to an X axis and inclined substantially +44° 30′ with respect to the Z axis as measured in a plane substantially perpendicular to said major faces, the over-all length dimension and the width dimension of said major faces being inclined substantially 45 degrees with respect to said X axis, said over-all length dimension being in effect divided into a plurality of equal length elementary lengths to form a plurality of elementary areas, each of said elementary lengths having a dimensional ratio of substantially 0.3131 with respect to said width dimension.

2,259,530

HAY PRESS

Paul P. Miller, Ottumwa, Iowa, assignor to Dain Manufacturing Company of Iowa, Ottumwa, Iowa, a corporation of Iowa

Application April 8, 1938, Serial No. 200,822
5 Claims. (Cl. 100—24)



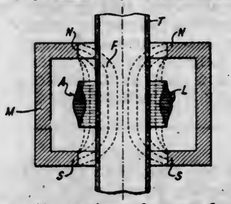
4. In a hay press having a baler frame and a block holder connected therewith for movement into and out of block dropping position, a latch carried by said block holder and adapted to maintain the block in position within the holder, said latch being movable between block holding and inoperative positions, and means responsive to relative movement between said holder and said baler frame for moving said latch to inoperative position as the holder approaches dropping position.

2,259,531

MAGNETIC ELECTRON LENS

Harold Miller, Southall, England, and Heinz Erwin Kallmann, New York, N. Y., assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain

Application May 19, 1939, Serial No. 274,580
In Great Britain May 25, 1938
7 Claims. (Cl. 250—161)



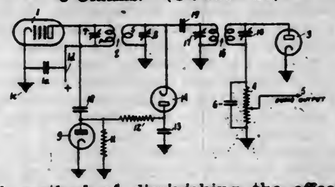
1. A magnetic system for producing a homogeneous field within a cylindrical envelope comprising means symmetrical about a plane perpendicular to the axis of said envelope for producing an axially symmetrical magnetic field having non-uniform radial distribution, and low permeability magnetic means structurally independent of said first named means symmetrically located about said plane and positioned intermediate said envelope and said first named means for producing uniform radial distribution of said field within a substantial portion of said envelope.

2,259,532

METHOD AND CIRCUIT FOR REDUCING THE EFFECT OF NOISE PULSES

Madison G. Nicholson, Verona, N. J., assignor to National Union Radio Corporation, Newark, N. J., a corporation of New Jersey

Application April 13, 1940, Serial No. 329,407
3 Claims. (Cl. 250—20)



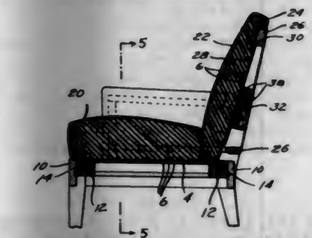
2. A method of diminishing the effect of a noise pulse in a radio-receiving circuit which has a detector stage to which the modulated signal current of said circuit is supplied, which consists in by-passing modulated signal current wholly out of said circuit and anterior said detector stage, said modulated signal current being thus by-passed in a single direction and wholly against a substantiarly sonstant countervoltage, producing and maintaining said countervoltage by the unmodulated signal current of said circuit at a value which is substantially equal to the maximum voltage of the signal current under normal audio modulation.

2,259,533
SPRING SPREADER
Edward M. Pfauser, Elm Grove, Wis., assignor to Blackhawk Mfg. Co., Milwaukee, Wis., a corporation of Wisconsin
Application January 9, 1939, Serial No. 249,887
2 Claims. (Cl. 29—87.1)



1. A spreader assemblage for leaf springs having pin engaging circular end loops, said assemblage comprising, a jack having relatively separable opposite end portions disposable between the spring loops and movable along an axis disposed in the common plane of the loop axes, and fittings interposed between said jack end portions and the adjacent spring loops, each fitting having a transverse concavity formed symmetrical relative to said plane and engaging the adjacent spring loop on opposite sides of said plane so as to confine said jack portions to relative movement along the jack axis and in said plane.

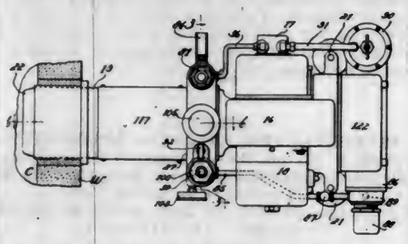
2,259,534
SEAT AND MATTRESS CONSTRUCTION
Arthur T. Reynolds, Brooklyn, N. Y., and William F. Todé, Radburn-Fairlawn, N. J.
Application September 12, 1938, Serial No. 229,580
4 Claims. (Cl. 155—179)



4. A resilient seat for a cushioned article of furniture comprising, a cushion of sponge rubber of the type having small intercommunicating air cells which vent to atmosphere, a floating diaphragm underlying and supporting said cushion, said diaphragm having perforations therein in registry with only a portion of the air vents on the underside of the cushion, a sponge rubber support notched to receive the marginal portions of the underside of said diaphragm and the edges thereof to cushion the floating action, said sponge rubber support having air spaces therein venting to atmosphere, and rigid means for supporting said resilient support, the surfaces of said rigid means covering at least half of the surface of the sponge rubber support to limit the rate of egress of air therefrom upon compression thereof.

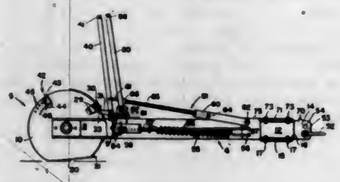
2,259,535
OIL BURNER
Harry F. Tapp, Longmeadow, and Leolyn F. Spear, Westfield, Mass., assignors to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts
Application January 27, 1940, Serial No. 315,940
10 Claims. (Cl. 158—36)

1. In an oil burner, having an oil pump, an oil-atomizing nozzle, and a feed pipe for supplying oil thereto, said pipe having heating jackets extending from end to end thereof and disposed one on each side thereof, said jackets being interconnected near the nozzle end thereof, an oil heating means, a supply pipe leading to the inlet end of said means, a pipe connecting the outlet end of said means to the inlet end of said pump, a conduit connecting the outlet end of said pump to said feed pipe, first and second valves inter-



posed in series relation in the order named in the last-named conduit, the first valve opening when the pumped oil attains a predetermined pressure, the second valve opening only when the oil attains a predetermined temperature, a by-pass for diverting excess oil supplied to the first valve, a conduit connecting said by-pass to the inlet end of one of said jackets, and a conduit connecting the outlet end of the other of said jackets to the inlet end of said heating means.

2,259,536
REVOLVING SCRAPER
Jesse A. Vaughn, Los Angeles, Calif., assignor to Killefer Manufacturing Corporation, Los Angeles, Calif., a corporation of California
Application May 23, 1940, Serial No. 336,823
4 Claims. (Cl. 37—140)



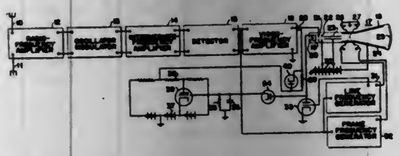
1. A scraper comprising a draft frame, a bowl journaled thereon for rotation about a transverse axis, a hitch member supported on said draft frame and slidable longitudinally thereon, a transverse rock shaft journaled on said draft frame, a pair of arms fixed at opposite ends of said rock shaft adjacent the ends of said bowl, respectively, stops on said bowl adapted to engage said arms, a lever fixed to said rock shaft for rocking the latter to tilt said bowl from loading position to transport position, and adapted upon continued movement of said lever, to move said arms away from said stops and thereby releasing said bowl for rotation, a connecting member between said lever and said slidable hitch member comprising a pair of telescoping elements adapted to collapse when said lever is manually actuated to release said arms from said stops, a loading lever pivoted on said frame, means connecting said lever to said slidable hitch member, and a spring connected to said hitch member and anchored to said frame for yieldably resisting draft force applied to said hitch member.

2,259,537
KNITTED CAP
Frank J. Wengen, Milwaukee, Wis., assignor to Eagle Knitting Mills, Inc., Milwaukee, Wis., a corporation of Wisconsin
Application June 15, 1940, Serial No. 340,715
9 Claims. (Cl. 2—201)



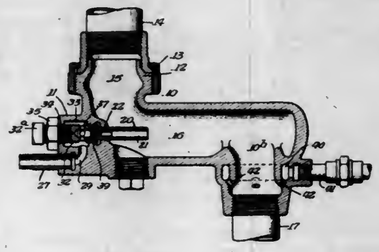
1. The method of producing a knitted cap, which comprises, knitting a strip having opposite ends and a medial inner section provided with close knitted wales extending approximately parallel to the direction of extent of the strip, having adjacent each end an outer section provided with likewise parallel wales of less transverse resistance to stretching, and also having between each of said outer sections and said medial section an intermediate section provided with inclined wales, severing said inner section diagonally, superimposing the severed strip portions to cause the corresponding sections thereof to register, and uniting all edges of both outer sections and one edge of the two intermediate sections to form the cap.

2,259,538
TELEVISION RECEIVER WITH AUTOMATIC SHADE-LEVEL CONTROL
Harold A. Wheeler, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application December 6, 1938, Serial No. 244,190
5 Claims. (Cl. 178—7.5)



1. A television receiver adapted to receive a signal containing synchronizing components and video-frequency components comprising, a picture-reproducing device, means for deriving from the received signal and applying to said device a signal having a periodically recurring level corresponding to a predetermined shade value, means connected in the circuit with said device for developing a voltage varying with the current therein, an auxiliary circuit, means for applying said developed voltage to said auxiliary circuit, means responsive to said synchronizing components for disabling said voltage-developing means whenever the current in said device exceeds a predetermined value corresponding to said predetermined shade value, and means including said auxiliary circuit for superimposing on said signal applied to said device a bias for maintaining the current in said device at said predetermined value upon the occurrence of said recurring level in said signal.

2,259,539
SAND TRAP
William Wright, Chicago, Ill., assignor to Morris B. Brewster Co. Inc., Chicago, Ill., a corporation of Illinois
Application May 20, 1940, Serial No. 336,209
4 Claims. (Cl. 291—11)



1. In a sander, the combination of a casing provided with a trap-conduit, an inlet and an outlet for the sand, a nozzle in the casing, means for supplying air to the nozzle, a sand delivery pipe connected to the casing, and means for delivering a clean-out blast to the delivery pipe comprising an annular duct in the casing and around the outlet and a series of ports leading from the duct and inclined to direct jets of air so they will meet along the center of the pipe.

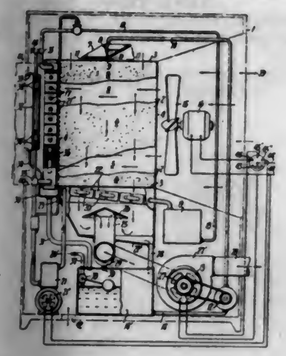
2,259,540
PURIFICATION OF HYDROGENATED FATTY OILS
Arthur U. Ayres, Chestnut Hill, Pa., assignor to The Sharples Corporation, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application October 25, 1940, Serial No. 362,796
7 Claims. (Cl. 260—425)

1. In the separation of free fatty acid from refined, hydrogenated fatty oil, the process comprising mixing the oil with an alkaline solution containing an amount of alkali at least seven times the amount required to neutralize the free fatty acid content of the oil, and thereafter subjecting the resulting mixture of oil and soap to prompt centrifugation to remove the soap from the oil.

2,259,541
AIR CONDITIONING APPARATUS
John R. Ballard, San Francisco, Calif.
Application December 15, 1937, Serial No. 179,939
7 Claims. (Cl. 62—129)

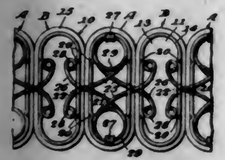
2. Air conditioning apparatus of the character described comprising a plurality of substantially parallel open ended passageways for air and a refrigerant system for a fluid refrigerant, said refrigerant system comprising a compressor, condenser and an evaporator, means mounting the evaporator in a position across one of the open ends of the passageways for passage of air from the passageways over the evaporator, means for causing air to move through said passageways from the opposite open ends thereof and over the evaporator, means for moving air over the outer sides of the walls of said passageways, means for moistening said outer sides of the walls, means mounting the condenser in a position to be engaged by the air moved over said moistened outer

sides after the air has passed over said outer sides,



and means for conducting the air engaged by the condenser away from the condenser.

2,259,542
BRACELET OR THE LIKE
Paul J. Bellavance, Attleboro, Mass.
Application March 19, 1940, Serial No. 324,823
5 Claims. (Cl. 63—5)



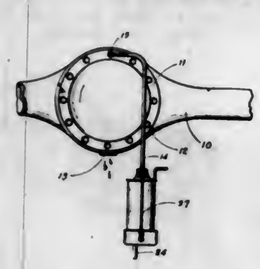
2. A resiliently expansible bracelet or the like, comprising a plurality of normally contiguous units of which at least alternate ones are hollow, and pre-wound coil springs retained in said alternate hollow units, the free ends of each spring being anchored to both adjacent contiguous units.

2,259,543
FORTIFIED CEREAL
Howard J. Billings, Acton, Mass., assignor, by mesne assignments, to The Cream of Wheat Corporation, Minneapolis, Minn., a corporation of Delaware
No Drawing. Application November 12, 1938, Serial No. 240,051
4 Claims. (Cl. 99—83)

4. A cereal in granular particle form wherein the particles of a size from about 10 to 40 mesh, and a food fortifying supplement comprising a plurality of simultaneously precipitated mineral salts of a particle size of less than 200 mesh, said mineral supplement particles being agglomerated into masses having a particle size approximately the same as that of the cereal with which they are used.

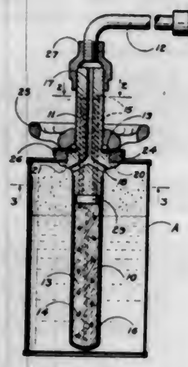
2,259,544
PORTABLE SOLVENT DEGREASER
John F. Black, Cleveland, Ohio, assignor to Circo Products Company, Cleveland, Ohio
Application May 22, 1940, Serial No. 336,635
9 Claims. (Cl. 134—1.5)

1. A degreaser for a gear case comprising, a tin can having an opening therein, a flange about said opening, a tube threaded into an opening in said gear case, a plate on the free end of said tube adapted for reentrant engagement within the opening in said can and abutting engagement



with said flange, a nut on said tube engageable with said flange, an electrical heater and a clamping mechanism thereon for supporting said heater on said can.

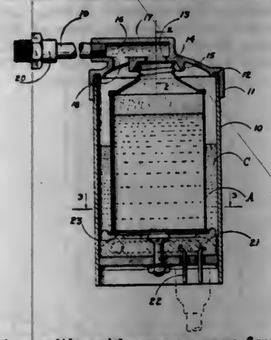
2,259,545
PORTABLE DEGREASING APPARATUS
John F. Black, Cleveland, Ohio, assignor to Circo Products Company, Cleveland, Ohio
Application November 13, 1940, Serial No. 365,513
5 Claims. (Cl. 134—1.5)



1. Apparatus for degreasing a hollow body comprising a can, an electrical heater therein, a tube intermediate the can and the hollow body, a screw threaded coupling uniting one end of the tube with the can and a screw threaded coupling uniting the other end of the tube with the hollow body for suspending said can and heater assembly therefrom.

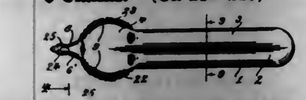
2,259,546
APPARATUS FOR DEGREASING AND COATING HOLLOW METAL BODIES
John F. Black, Cleveland, Ohio, assignor to Circo Products Company, Cleveland, Ohio
Application November 16, 1940, Serial No. 365,956
6 Claims. (Cl. 134—1.5)

1. Apparatus for degreasing a housing comprising a container adapted for the reception of a can, a heating element therein, a lid on said container having a passageway therein communicating with the interior of said container and the interior of the can and means on said lid com-



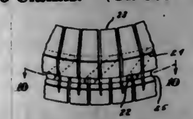
municating with said passageway for supporting the container from the housing to be degreased.

2,259,547
DAUBER
Alexander Booth, Baltimore, Md.
Application November 20, 1940, Serial No. 366,342
6 Claims. (Cl. 15—210)



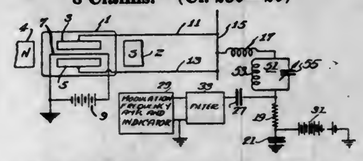
1. A shoe polish dauber, comprising a large dauber element and a relatively smaller dauber element formed integral with the larger dauber element, a backing and handle for said elements, means integral with said handle and backing for holding the dauber elements in clamped relation thereto, said integral means comprising inwardly folded handle portions terminating at their forward ends into dauber clamping tabs formed in juxtaposition to the rear peripheral edge of the said dauber backing, a tapered extension formed at the outer peripheral edge of the backing for the larger dauber element, the said tapered portion forming a backing for the smaller dauber portion and having means for supporting both the large and small portions of the dauber at the front of the dauber proper, said supporting means also tending to cause the small dauber portion to be formed into an outwardly tapered and converging structure for purposes of applying fine lines of polish to a shoe surface.

2,259,548
OIL RING STRUCTURE
Thomas A. Bowers, Boston, Mass., assignor to Power Research Corporation, Boston, Mass., a corporation of Massachusetts
Application September 23, 1939, Serial No. 296,285
3 Claims. (Cl. 309—45)



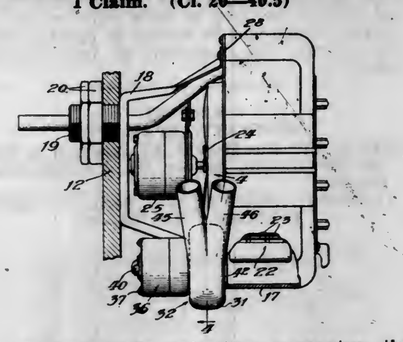
1. A piston ring comprising a strip of piston ring material reversely folded upon itself to present crowns and vertically occurring connecting web portions in said ring, said crowns and webs compacted to comprise a substantially solid ring body, said ring body having openings extending between the inner and outer peripheries thereof in a diagonal manner.

2,259,549
SUPERREGENERATIVE MAGNETRON RECEIVER
Rene A. Braden, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Original application January 31, 1938, Serial No. 187,942. Divided and this application February 29, 1940, Serial No. 321,550
8 Claims. (Cl. 250—20)



1. The combination including means receptive to radio frequency signals, an oscillating magnetron detector having a cathode, one or more anodes, and one or more end plates, means for impressing said signals on said magnetron anodes, and means including said end plates for interrupting said oscillations whereby superregenerative detection is established.

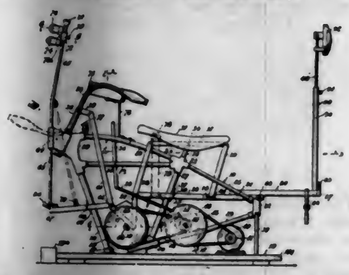
2,259,550
WINDSHIELD HEATER
Theodore Briskin, Chicago, Ill., assignor to Excel Auto Radiator Company, Chicago, Ill., a corporation of Delaware
Application January 11, 1937, Serial No. 120,128
1 Claim. (Cl. 20—40.5)



In an automobile defrosting apparatus, the combination of a housing having openings in its front and rear faces and a third comparatively much smaller opening in its rear face at the lower portion thereof, a radiator in said housing between said openings and comprising a lower hot water header adjacent said third opening, adjustable shutters for closing the opening in the front face of the housing, an axial type fan mounted in the larger opening in the rear face of the housing, a motor for driving said fan for forcing air into and through said radiator, blower means of the centrifugal type for taking air from said housing independently of the opening in the front face and comprising a second housing fixedly mounted on said first-named housing in communication therewith through said third opening and a fan rotatably mounted in said second housing for driving air

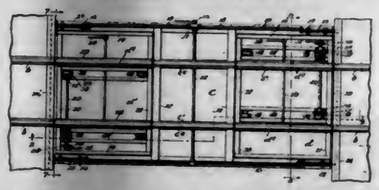
therefrom, and a second motor mounted on and carried by said second housing and operable independently of said first-named motor for causing air to be drawn past said first-named fan and through said radiator independently of the action of said first-named fan.

2,259,551
EXERCISING HORSE
Myles John Burke, Jersey City, N. J.
Application April 15, 1941, Serial No. 388,569
10 Claims. (Cl. 128—25)



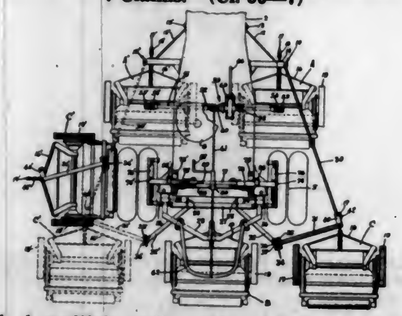
9. In an exercising horse having a frame supporting a pivotal seat and a pivotal horizontal arm below said seat and having means for oscillating said seat and arm, a platform pivotally mounted on said frame to the rear and below said seat, a bar attached on said platform and projecting forwards of said platform and slidably and pivotally connected with said horizontal arm, and holding means for holding a portion of one's body while one is on said seat, and said holding means being mounted on the rear of said platform, whereby the portions of one's body on said seat and the portions of one's body held by said holding means will be moved in opposite directions during the operation of said exercising horse.

2,259,552
DROP PIT APPARATUS
Hugh K. Christie, Harvey, Ill., assignor to Whiting Corporation, Harvey, Ill., a corporation of Illinois
Application August 17, 1939, Serial No. 290,598
11 Claims. (Cl. 104—32)



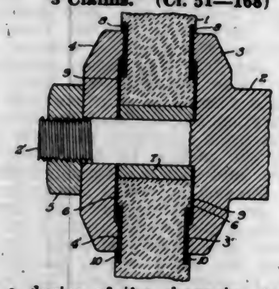
1. In drop pit apparatus, the combination with a drop-table comprising a plurality of vertically movable table-sections, one of which is separable from, and lowerable independently of, the other, and provided with wheels, and means for releasably supporting the sections in pit-bridging position, of a lifting carriage movable vertically and laterally in the pit and provided with rails extending across the pit and adapted to engage the wheels for separately shifting the independently lowerable table-section, and means on both sections, laterally offset relatively to the wheels, and adapted to be engaged by the carriage-rails for conjointly shifting them.

2,259,553
MOWER
John S. Clapper, Minneapolis, Minn., assignor to Toro Manufacturing Corporation of Minnesota, Minneapolis, Minn., a corporation of Minnesota
Application April 2, 1938, Serial No. 199,665
7 Claims. (Cl. 56—7)



1. A multiple unit mowing machine comprising a traction vehicle having a driving axle, drive wheels mounted thereon, a plurality of mowing units mounted in mowing position on said vehicle, and hoist mechanism extending transversely over said vehicle drive wheels for lifting said units.

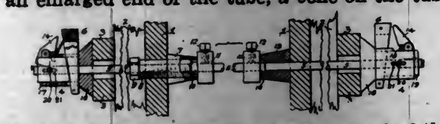
2,259,554
ABRASIVE WHEEL
Oliver A. Clark, Springfield, Ohio, assignor to The Safety Grinding Wheel & Machine Company, Springfield, Ohio, a corporation of Ohio
Application December 30, 1940, Serial No. 372,260
3 Claims. (Cl. 51—168)



1. In a device of the character described, an abrasive wheel provided with a bore and having straight sides, a spindle extending through a bore in said wheel, said wheel having on each face thereof a recess surrounding the hub thereof, clamping collars carried by said spindle to secure the wheel to said spindle, each of said recesses being of a cone-shape in cross-section in any arc thereof, a washer located in each recess of a cone shape in cross-section in any arc thereof to conform to the shape of the recess, and an annular straight-sided flange on each collar adapted to enter the corresponding recess of the wheel when the parts are assembled.

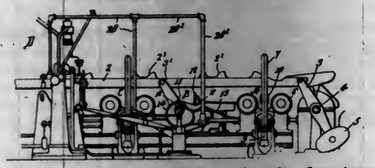
2,259,555
CONCRETE FORM SPACER
Roy C. Day, Crawfordsville, Ind.
Application June 27, 1938, Serial No. 216,026
2 Claims. (Cl. 25—131)

1. A form clamp comprising a barrel, a spring-pressed toothed lever pivoted on the barrel, a pair of notches formed in the side walls of the barrel, a tube within the barrel having similar notches, a clamping rod within the tube adapted to be engaged by the toothed lever of the barrel, an enlarged end of the tube, a cone on the tube



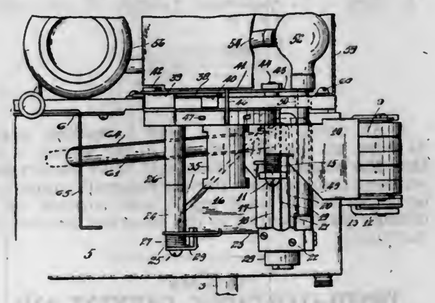
with its small end adjacent the large end of the tube, said cone being adapted to engage the adjacent wall of a form, and a bifurcated wedge adapted to pass through the notches formed in the tube and the barrel to thereby pull the cone against the form.

2,259,556
AUTOMATIC BARREL CLEANING MACHINE
Karl Ernst Drechsler, Leipzig, Germany
Application June 13, 1935, Serial No. 26,341
In Germany February 26, 1935
3 Claims. (Cl. 141—6)



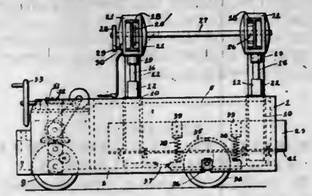
3. The combination with a standard automatic barrel cleaning machine having a feeding entrance and a barrel operating station for adjusting a barrel prior to the known exterior washing beginning with the barrel bunghole up position, and succeeding barrel cleaning stations, conveyor means for successively moving a barrel from said first operating station to each successive station of said standard machine allowing the barrel to rest intermittently at each station, and drive members for said conveyor means for giving the same a swinging circular movement for successively moving said conveyor means above and below the barrel operative parts of said stations; of two additional stations interposed between said feeding entrance and said barrel adjusting station, the first of said additional stations including adjusting means for the barrel fed from the feeding entrance to dispose the barrel while transverse to the longitudinal axis of the machine to bunghole down position to drain any remaining beer from the barrel, an additional extension conveyor means formed as part of the aforesaid conveyor means and movable rhythmically therewith and extending therefrom longitudinally from the first adjusting station beyond the two additional stations to the feed entrance, and having a barrel receiving end to receive a barrel, to move the barrel from the feed entrance to the first additional station to enable said barrel to be drained of the contents of the barrel while the barrel is in bunghole down position, and rinsing means at the second additional station in the form of an upright spraying nozzle for entering the downwardly placed bunghole of the barrel previously drained, the extension conveyor means positioning the barrel on the nozzle to enable the nozzle to interiorly clean the barrel, whereby after the barrel has been first interiorily cleaned in bunghole-down position by said additional stations and extension conveyor means, it is further cleaned while being moved station by station by the initial conveying means to the discharge of the standard machine.

2,259,557
ENVELOPE HANDLING MACHINE
Edward J. Dummer, Rochester, and Ernest L. Pinder, Irondequoit, N. Y., assignors to Multipost Company, Rochester, N. Y., a corporation of New York
Application January 4, 1939, Serial No. 249,274
2 Claims. (Cl. 91—43)



1. In an envelope handling machine, the combination with a runway adapted to conduct envelopes in a certain definite path of travel, an envelope flap raising and moistening device operatively arranged in such path of travel embodying an applicator, and a water reservoir for supplying water by gravitational flow to the applicator including a conduit, of means for raising the applicator out of work and lowering it into work, means for cutting off the water supply from the reservoir in the conduit when the applicator is raised out of work, and a sub-reservoir in the conduit arranged to hold a limited body of water from the reservoir after feed from the latter has been cut off and with the conduit connection therefrom to the applicator arranged below the applicator when the latter is in a raised position and above the applicator in lowered position, such that lowering the applicator into work will immediately supply a charge of water thereto.

2,259,558
UNIVERSALLY MOVABLE FLOOR CRANE
John Evans, Indiana Harbor, Ind.
Application May 20, 1940, Serial No. 336,143
6 Claims. (Cl. 212—141)



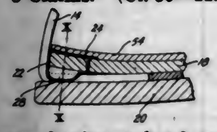
1. In a floor crane a body open at one end and closed at the other end forming two independent sides, a power-driven tractor wheel at the steering end, means for orienting the tractor wheel as desired, independent supporting wheels one for each side of the open-ended body, a pair of hydraulic rams positioned in each side, differential pistons in the rams, a transverse beam for each pair of rams on opposite sides of the open space of the body, lifting plates suspended in pairs from the beams, hydraulic means for raising and lowering the beams and the lifting plates, and separate hydraulic means for moving the lifting plates toward or away from each other.

2,259,559

SANDAL AND INSOLE THEREFOR

Carl F. Filsinger, Jersey City, N. J., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application April 11, 1939, Serial No. 267,214
5 Claims. (Cl. 36—11.5)



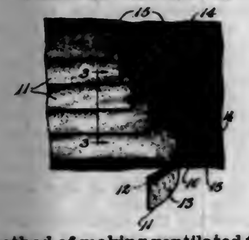
1. An insole having a bead extending along its edge at the side of the insole which is to face the outsole of a shoe, said bead comprising resilient compressible fibrous material supported by a portion of said insole and covered by a binding strip secured to the marginal portion of the insole.

2,259,560

VENTILATED FABRIC, GARMENT, AND METHOD OF MAKING THE SAME

Alfred A. Glidden, Watertown, Mass., assignor to Hood Rubber Company, Inc., Watertown, Mass., a corporation of Delaware

Application September 27, 1938, Serial No. 231,894
7 Claims. (Cl. 154—2)



1. The method of making ventilated flexible material which comprises providing a pervious lining, disposing adhesive material in spaced apart zones upon said lining, and then adhering margins of covering elements to said lining at said zones in overlapping shingled relation of said elements to provide ventilation between the shingled elements and through the material, said adhesive material being disposed to adhere the covering elements at spaced-apart positions throughout a substantial part of the width of the strip to retain the strips in place against undesirable lifting thereof while providing such ventilation.

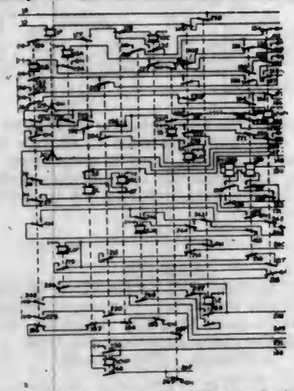
2,259,561

CENTRALIZED TRAFFIC CONTROLLING SYSTEM FOR RAILROADS

William D. Hailes, Brighton, and Frederick W. Brixner, Gates, N. Y., assignors to General Railway Signal Company, Rochester, N. Y.

Application March 22, 1938, Serial No. 197,404
26 Claims. (Cl. 177—353)

20. In a remote control system, a line circuit connecting a plurality of stations, a movable device at each station, a code transmitter at each station each operating when initiated to deliver a code indicating the condition of the associated movable device to said line circuit, means responsive to a change in the condition of each movable device for initiating the operation of the associated code transmitter, lock-out means effective if a plurality of code transmitters are initiated simultaneously to discontinue the operation of all but one, storing means causing the remaining transmitters which have been initiated to transmit their codes subsequently, one at a time in an order dependent upon the relative superiority of the different stations, and means



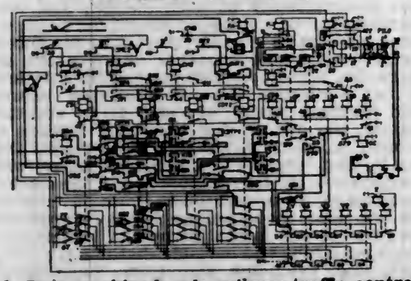
preventing the initiation of the code transmitter at each superior station in response to a change in the condition of a movable device at such station occurring while inferior stations have codes stored for transmission until all of said stored codes have been transmitted.

2,259,562

CENTRALIZED TRAFFIC CONTROLLING AND COMMUNICATING SYSTEM FOR RAILROADS

William D. Hailes, Brighton, and Frederick W. Brixner, Gates, N. Y., assignors to General Railway Signal Company, Rochester, N. Y.

Application May 8, 1940, Serial No. 334,022
31 Claims. (Cl. 179—2)



1. In a combined code railway traffic controlling system and code telephone selector system, the combination with a centralized traffic controlling system including a central office and a plurality of field stations, a single line circuit connecting said office and stations, a line relay in said office and at each of said stations controlled by current in said line circuit, a telephone calling coding key at said office, traffic controlling code transmitting apparatus at said office and traffic controlling code receiving apparatus at each of said field stations and including said line relays for transmitting a series of distinctive impulses from said office to one of said field stations to characterize a station selecting code and including cycle marking relays at each of said field stations which are maintained energized so long as said line circuit is either intermittently or continuously energized, initiating means at said office to prolong the last impulse of said series and operated in the event it is desired to transmit a telephone selecting code such last impulse being prolonged until a telephone coding key is operated and to thereby maintain said cycle marking relays energized, means including said centralized traffic controlling system and said telephone coding key to transmit a telephone calling code to the selected field station, telephone code decoding means at a field station responsive only if the transmitted code corresponds to the code characterized by such decoding means at such field station and then only if that particular field station has been selected and still has its cycle marking relays energized, and filtering means to allow the flow of voice current around said relays.

2,259,563

METHOD OF MAKING GUANYL UREA SULPHAMATE

William H. Hill, Mount Lebanon, Pa., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application December 30, 1939, Serial No. 311,939
4 Claims. (Cl. 260—553)

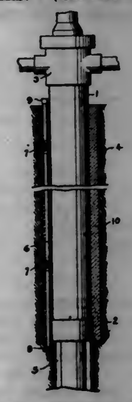
1. A method of making guanyl urea sulphamate which comprises hydrolyzing dicyandiamid in the presence of sulphamic acid and water and recovering guanyl urea sulphamate therefrom.

2,259,564

MEANS AND METHOD FOR REMOVING CASING FROM WELLS

Willard P. Holland, Houston, Tex.

Application July 2, 1940, Serial No. 343,516
5 Claims. (Cl. 166—1)



1. The method of removing a surface casing which is anchored in a well by means of a cementitious shell around and adhering to the shell and anchoring the shell to the walls of the well, which method consists in applying an explosive force to the shell to disrupt the shell approximately throughout the length thereof to release it from the casing and then withdrawing the released casing from the well.

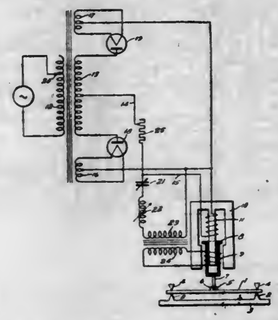
2,259,565

VIBRATION MOTOR

John A. Hutcheson, Catonsville, Md., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 21, 1938, Serial No. 230,997
2 Claims. (Cl. 73—51)

1. In apparatus for subjecting a material to vibration tests, a pair of windings positioned to interact magnetically, supports for said material, means for mechanically connecting one of said windings to said supports, means for connecting the other of said windings to said material, a source of current supply for said windings comprising an alternating-current transformer having a mid tap and two end terminals connected respectively to similar terminals of a pair of



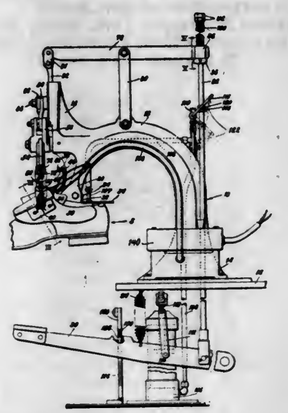
rectifiers, the other terminals of said rectifiers being connected together to one terminal of one of the above-mentioned windings, the other terminal of said winding being connected to said mid tap, an electrical channel containing a capacitor of the order of seven microfarads and an inductance element connected in multiple with the last-mentioned winding, and connections from the terminals of the other said winding to derive energy from said channel.

2,259,566

MACHINE FOR TREATING SHOES

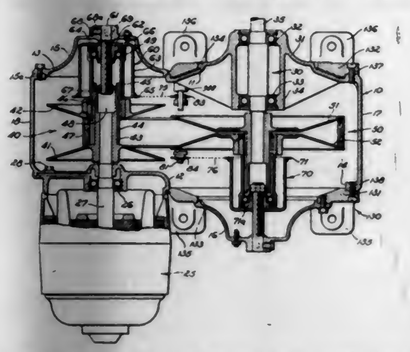
Adrien L. Jalbert, Haverhill, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application June 17, 1939, Serial No. 279,706
22 Claims. (Cl. 12—51)



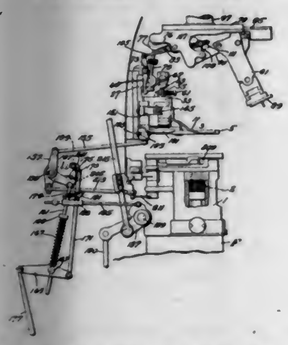
1. In a machine for treating shoe parts, a shaping member arranged for engagement with a surface of the tongue portion of a shoe, and an expansible form for pressing the tongue portion against the shaping member.

2,259,567
ENCLOSED VARIABLE-SPEED DEVICE
Carl E. Johnson, Pasadena, and Earl Mendenhall, Los Angeles, Calif., assignors to Sterling Electric Motors, Inc., Los Angeles, Calif., a corporation of California
Application July 6, 1935, Serial No. 30,112
11 Claims. (Cl. 74—230.17)



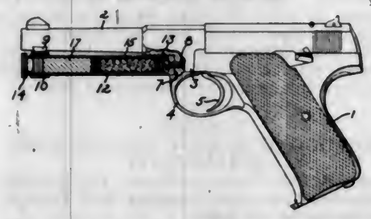
1. In a variable-speed device, the combination of: a shaft; a first pulley flange rigidly mounted on said shaft, said first pulley flange having a tubular hub extending beyond the end of said shaft to form a lubricant reservoir therein; a second pulley flange mounted on said tubular hub so as to be axially movable thereon, said second pulley flange having a cylindrical hub concentric with and surrounding said tubular hub; and a lubricating element extending through said hubs and into said reservoir, said element having a passage therethrough adapted to convey a lubricant into said lubricant reservoir during rotation of said pulley flanges.

2,259,568
HEEL-ATTACHING MACHINE
Thomas Aubrey Kestell and William Roderick Barclay, Leicester, England, assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application January 8, 1940, Serial No. 312,866
In Great Britain February 3, 1939
29 Claims. (Cl. 1—32)



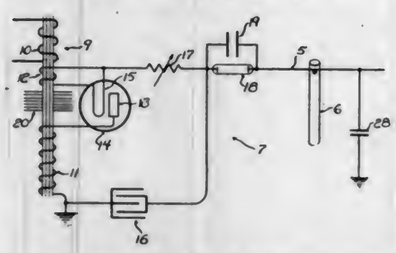
1. In a heel-attaching machine, fastening-inserting mechanism, means for engaging the counter-portion of a shoe to locate it for the insertion of the fastenings, said engaging means being movable to receive and release a shoe or to clamp it for the inserting operation, and means made effective under the power of the machine for moving the shoe-engaging means.

2,259,569
PISTOL BALANCE
Dean W. King, San Mateo, Calif.
Application January 24, 1938, Serial No. 186,642
4 Claims. (Cl. 42—1)



3. In combination, a pistol having a barrel and a frame, a cylindrical recess in the forward end of said frame below said barrel, a band suspended below said barrel at the muzzle end thereof and in alinement with the aforementioned cylindrical recess and a cylindrical weight having one end supported in said band, and means for anchoring the other end in said recess.

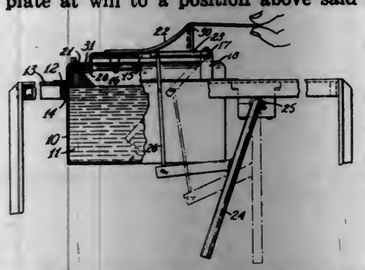
2,259,570
ELECTRIC FENCE
Stanley G. Klumb, Milwaukee, Wis.
Application January 30, 1939, Serial No. 253,677
9 Claims. (Cl. 256—10)



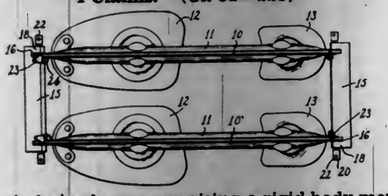
5. In an electric fence: a source of unidirectional pulsating current; a condenser connected with said source to store up an electrical charge therein of a value approximating the peak voltage of said source; a circuit fed by the condenser and constituting the sole means for discharging the same; means for holding said circuit open until the charge on the condenser attains said value approximating peak voltage of the source; and a fence wire insulated from the ground and so connected with said circuit that grounding of the fence wire is a prerequisite to closure of said circuit and current flow in said circuit effects energization of the fence wire.

2,259,571
COATING APPARATUS
Stephen D. Klyce, Lexington, Mass., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application August 2, 1940, Serial No. 349,958
2 Claims. (Cl. 91—18)

1. Coating apparatus comprising a container for adhesive, a plate normally submerged in adhesive within said container, means for raising said plate at will to a position above said container, and scraper means mounted on said plate to remove excess adhesive from an article.

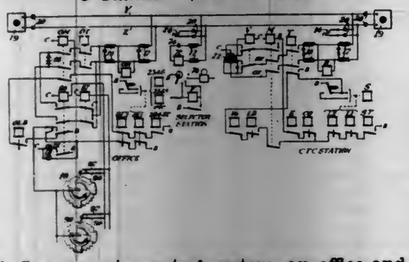


2,259,572
SKATE CLAMP
Andrew P. Kwieraga, New Haven, Conn.
Application April 24, 1939, Serial No. 269,568
4 Claims. (Cl. 51—228)



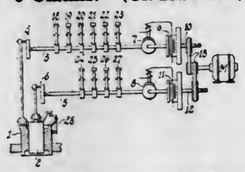
1. A skate clamp comprising a rigid body member having an open-ended slot adjacent each end thereof to receive the end of a skate blade whereby the blades are aligned by the ends thereof bottoming in said slots, means to clamp said blades in the slots, and a member on the body to engage over the running edge of the blade and position the latter vertically in the slot.

2,259,573
REMOTE CONTROL SYSTEM
Lloyd V. Lewis, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application March 11, 1939, Serial No. 261,241
9 Claims. (Cl. 177—353)



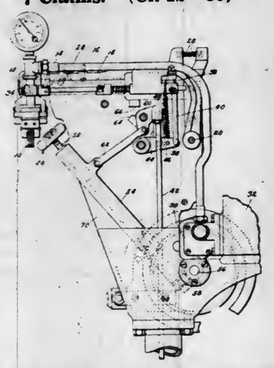
1. In a remote control system, an office and a plurality of stations, a normally deenergized master relay at each station, a normally open line circuit extending from the office through said stations and including back contacts of the master relay at each station, local sources of line current at each station, means effective when the master relay at an intermediate station is energized to supply steady current from the source at said station to the line circuit portion extending to more remote stations and to also supply current from said source interrupted in accordance with a code to the line circuit portion extending to the office, and means for energizing said master relay for the duration of such code effective only when the line circuit at such station is deenergized.

2,259,574
SELECTIVE CONTROL SYSTEM FOR POWER DRIVEN MACHINE TOOLS
Arvid E. Lillquist, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application December 18, 1936, Serial No. 116,657
9 Claims. (Cl. 192—142)



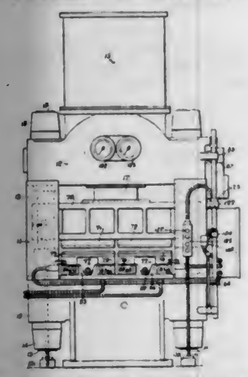
1. In a controller for machine tools having a plurality of elements provided with separate drives, in combination, a clutch for controlling each of said drives, and cooperating manual and automatic means for controlling said clutches, said manual means including a selector switch adapted when set in different positions to render said automatic means operable to effect cycling of said elements individually or in a definite sequence and said automatic means comprising a plurality of switches controlled in accordance with the position of said elements.

2,259,575
SHOE BOTTOM CEMENTING MACHINE
Wilbur L. MacKenzie, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application June 25, 1940, Serial No. 342,284
7 Claims. (Cl. 12—80)



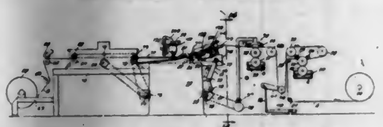
1. In a machine for treating progressively the marginal portion of the bottom of a shoe, a shoe-treating tool arranged to coact with the bottom of an inverted shoe, a feed roll journaled for rotation around an axis fixed with respect to the treating means, said feed roll comprising a soft annular member capable of yielding to accommodate all the variations in angular relation between the bottom of the shoe and an adjacent side portion of the shoe.

2,259,576
PRESS WITH DUAL SLIDING TABLE
Howard F. MacMillin, Mount Gilead, Ohio, assignor to The Hydraulic Press Corp., Inc., Wilmington, Del., a corporation of Delaware
Application July 21, 1937, Serial No. 154,854
6 Claims. (Cl. 100—71)



1. In a work-holding device for presses, a support, a plurality of work-holder pairs movably mounted on said support, a hydraulic motor operatively connected to each work-holder pair, a source of pressure fluid, hydraulic connections for connecting said source to said motors, and means for distributing said pressure fluid to said motors and said work-holder pairs so as to cause said motors to move simultaneously in opposite directions.

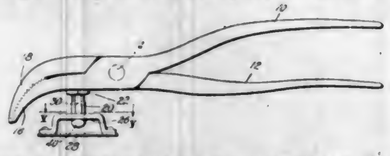
2,259,577
MACHINE FOR MAKING INNER-LINER LAMINATED TUBES
Harry W. Morgan, Phillipsburg, N. J., and Richard E. B. Wakefield, Easton, Pa., assignors to The Canister Company, Phillipsburg, N. J., a corporation of New Jersey
Application June 15, 1939, Serial No. 279,320
22 Claims. (Cl. 93—81)



1. The combination with a machine for making laminated tubes comprising a mandrel and a gripper therein, of means for feeding a strip of paper to the gripper, means for simultaneously feeding a second sheet of paper to the gripper, and means for folding the edge of one sheet over the other and securing them together and inserting the folded edge into the gripper.

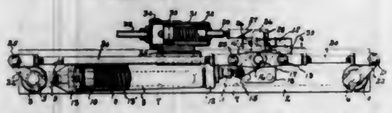
2,259,578
LASTING TOOL
Joseph J. Murphy, Dracut, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application July 9, 1940, Serial No. 344,557
6 Claims. (Cl. 12—110)

1. In a hand lasting pincer of the type comprising crossed levers, the longer ends of which serve as handles and the shorter ends of which are formed as gripper jaws, a fulcrum element and a member on which said element may either fulcrum to permit rocking movement of the



pincer or move bodily to permit rectilinear longitudinal movement of the pincer.

2,259,579
SPRING RETURN PUSH DOOR
John R. Newkirk, Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y., a corporation of West Virginia
Application July 6, 1940, Serial No. 344,189
7 Claims. (Cl. 292—1)



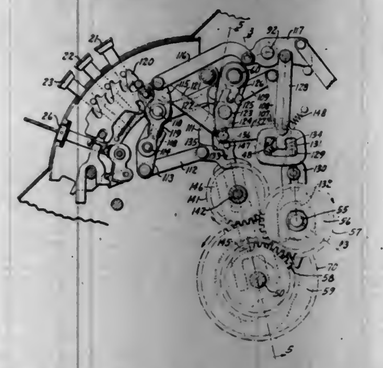
1. In a door operating system the combination including a door, a motive device for closing the door, a toggle linkage system connecting the motive device with the door, said linkage system taking a position to lock the door when closed, and motive means for moving the linkage system a sufficient amount to destroy its locking action whereby the door may be pushed open.

2,259,580
ROTATABLE WATCH FOR PENDANTS AND THE LIKE
David Ornstein, New York, N. Y.
Application April 22, 1940, Serial No. 330,929
4 Claims. (Cl. 58—95)



2. A pendant watch having a casing imitating one-half of a fruit in the form of a hollow shell with a normally exposed front face showing the fruit design, and an open rear face, a watch movement set into said casing, the dial thereof being shown through said open rear face of the shell and being normally concealed, means to suspend said watch on a piece of garment on the body of the wearer, an exposed observable portion of said suspension means, and said fruit imitating front face of said shell, comprising a harmonious design imitating a part of the plant of the respective fruit, said suspension means including an elongated element, said watch casing being rotatable on said elongated element to permit the inspection of the normally concealed rear dial face thereof, when desired, said elongated element also being pivotally connected with the rest of the suspension means to permit an upward tilting of the watch casing after it has been turned, for better inspection of the dial face.

2,259,581
CASH REGISTER
Julius Patzelt, Berlin, Germany, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application October 22, 1938, Serial No. 236,507
In Germany November 9, 1937
14 Claims. (Cl. 235—6)

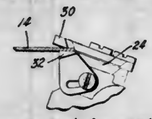


1. In a machine of the class described, the combination of a plurality of transaction totalizers and a multiple-item totalizer arranged in a row; a set of actuators for said totalizers; means to control the actuators to enter items of a multiple-item transaction in said multiple-item totalizer; a plurality of transaction keys; a differential mechanism actuated under control of said transaction keys; connections operated by the differential mechanism for selecting a transaction totalizer to receive therein the amount of a single-item transaction; a multiple-item key; power-operated means operable during a machine operation; normally inactive means operated by the power-operated means to readjust said connections prior to the entry of the items of a multiple-item transaction for automatically selecting said multiple-item totalizer to receive said multiple item; and connections controlled by the multiple-item key to render the normally inactive means active.

2,259,582
NUTRIENT BEVERAGE
Scott Henry Perky and Carlos L. Crum, Dayton, Ohio
No Drawing. Application December 2, 1939, Serial No. 307,264
2 Claims. (Cl. 99—29)

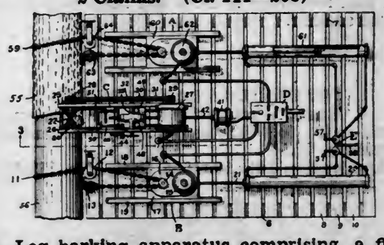
1. The process of treating a complex protein- and carbohydrate-containing raw vegetable material to improve its digestibility and vitamin and mineral food value which comprises mixing the material with a relatively great excess of a dilute aqueous acid, subjecting the mixture to an elevated temperature equal to at least the boiling point at atmospheric pressure of the mixture for a period of time which is sufficiently prolonged to cause conversion of the complex carbohydrate portion of the material to monosaccharides, discontinuing the heating, allowing to cool, subjecting the cooled mixture to the action of pepsin added thereto and intimately dispersed therethrough for a prolonged period of time to cause conversion of the complex protein portion of the material to more readily assimilable proteoses and peptones, and subsequently almost completely neutralizing the free acid in the mixture by adding a base thereto slowly and with constant stirring of the mixture and separating the undigested residue.

2,259,583
METHOD OF EDGE FINISHING SHOE PARTS
Arnold V. Praedel, Milwaukee, Wis., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application July 13, 1940, Serial No. 345,330
7 Claims. (Cl. 12—146)



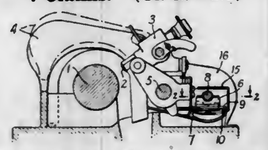
1. That improvement in methods of treating shoe parts which consists in searing a marginal portion of a part and in trimming the part by a cut made through the seared portion.

2,259,584
LOG BARKING MACHINE
Edward V. Prentice, Portland, Oreg.
Application December 28, 1937, Serial No. 182,143
2 Claims. (Cl. 144—208)



1. Log barking apparatus comprising, a float, a vertically adjustable cutter-head mounted on said float, and a power driven chain mounted on said float and extending therefrom to make helical contact with a log to be barked to feed the surface of the latter into progressive engagement with said cutter-head in a helical path while said log floats in the water alongside said float.

2,259,585
RECORD RESURFACING MACHINE
Vaughn Rolain, Green Bay, Wis., assignor to Dictaphone Corporation, New York, N. Y., a corporation of New York
Application February 24, 1940, Serial No. 320,581
7 Claims. (Cl. 82—1.1)



1. In a record resurfacing machine wherein a record to be resurfaced is supported to rotate about its central longitudinal axis and a tool carrier is mounted to transport a resurfacing tool in cutting engagement with said record from one end position to another along a path parallel to said axis, the combination of a feed screw, a feed nut mounted on said carrier and movable into and out of engagement with said

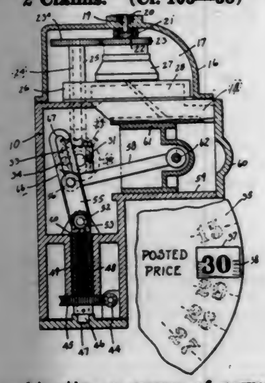
feed screw, and means cooperating with a portion of said carrier and positioned and adapted to arrest screw engaging and disengaging movements of said feed nut between said end positions of the tool carrier.

2,259,586
METHOD OF TREATING UNATTACHED SOLES
Simon G. Ross, Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application November 15, 1939, Serial No. 304,577
3 Claims. (Cl. 12—146)



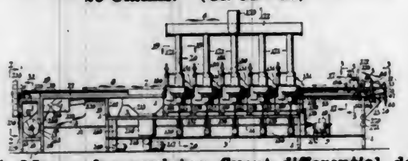
1. That improvement in methods of treating articles of sole-leather which consists in coating an area of the flesh side of an article with an adhesive substance, permitting the adhesive coating to dry or harden thereon, puncturing the coating of said substance at many points to enable air and liquid to flow readily through it, immersing the article in a bath of tempering liquid in which said adhesive substance is insoluble, and removing it from the bath before it becomes sodden.

2,259,587
VARIABLE STROKE METER
Leo E. Rush, West Lafayette, Ind., assignor of one-half to Walter W. Schneckenburger, Buffalo, N. Y.
Application July 13, 1938, Serial No. 219,028
2 Claims. (Cl. 103—38)



1. In combination a source of power having a predetermined speed of rotation, valve mechanism operable cyclically thereby, a piston reciprocable by said power and in timed relation to valve mechanism operation, a housing enclosing the piston, manually operable means external of the housing for piston stroke adjustment, and means within the housing and operable by the manually operable mechanism and operable by said power and interposed between the piston and power for varying power application for stroke application including a connecting rod for the piston, a crank operable by the power, a lever member having a fixed pivot and a pin and slot connection with the crank, a link having a movable pivot adjustable by external means and connected to the connecting rod, and a pin and slot connection between the link connected rod and the lever member and coincident with the connection between rod and link.

2,259,588
APPLYING RESISTANCE DEPOSITS TO RADIO VOLUME CONTROL DISKS
Charles C. Schaefer and Soren A. Tollefson, Oaklyn, and Herman F. Nied, Camden, N. J.
Application June 10, 1939, Serial No. 278,574
28 Claims. (Cl. 91—55)



1. Means for applying fluent-differential deposits to specific areas of corresponding articles comprising in combination, a progressing mechanism, a container of the articles with means for individually feeding them to the progressing mechanism, means for translating each consecutive article from the container onto the progressing mechanism for carriage thereby, means in the path of the progressing mechanism for securing the translated articles thereon, spray devices confronting the secured articles, a mask associated with each spray device having apertures controlling the deposit applications made by said device on the article, means for drying the deposits applied to the articles, means for subsequently releasing the dried articles from the progressing mechanism, and means for actuating all of the respective devices in timed relation.

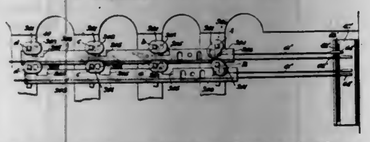
2,259,589
LIQUID SHOCK ABSORBER FOR MOTORCYCLE FORKS
Rudolf Schleicher, Munich, Germany, assignor to the firm Bayerische Motoren Werke Aktiengesellschaft, Munich, Germany
Application November 1, 1938, Serial No. 238,150
In Germany November 16, 1937
13 Claims. (Cl. 267—34)



1. In a motorcycle, a wheel fork including a frame structure having a pair of vertically spaced members, a wheel-supporting and shock-absorbing unit for said fork including three substantially concentric tubes, the intermediate one of

which is rigidly interconnected between and depends from said spaced members, a wheel support, means for guiding the outer tube on said intermediate tube for relative sliding movement and preventing relative movement thereof in the radial direction, means for rigidly interconnecting the inner and outer tubes to said wheel support, a concentric piston rod connected to said frame structure and mounted inside said inner tube, a shock-absorbing fluid within said tube, a first valve means on the end of said piston rod for permitting flow of said fluid in the upper direction only, and second valve means permitting the flow of said fluid from said outer tube to said inner tube.

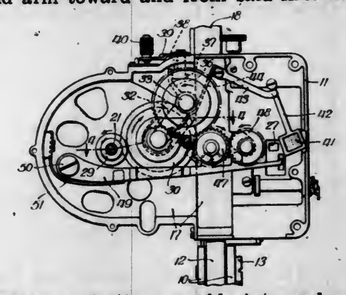
2,259,590
VOTING MACHINE
Ransom F. Shoup, Ardmore, Pa., assignor to The Shoup Voting Machine Corporation, Philadelphia, Pa., a corporation of Delaware
Application March 7, 1939, Serial No. 260,289
4 Claims. (Cl. 235—51)



1. In a voting machine, a first spindle, a plurality of additional spindles arranged in a row with said first spindle, a bar slidable in a path parallel to but offset from said row of spindles, means including a lost motion connection for effecting bodily movement of said bar upon actuation of said first spindle, an arm on each additional spindle extending parallel to the length of said bar with the spindle in unvoted position and having a portion overlying one edge of said bar, and notches in said bar edge arranged to receive said arm portions only after movement of said bar by actuation of said first spindle into voted position whereby prior to actuation of said first spindle into voted position said arm portions are engageable with the edge of said bar to prevent actuation of said additional spindles and whereby after movement of said bar by actuation of said first spindle into voted position, actuation of any additional spindle effects movement of its arm portion into a notch in contact with a side wall thereof to cause further bodily movement of said bar, the extent of the lost motion existing between said bar and said first spindle being equal to the extent of movement of the bar effected by actuation of any additional spindle into voted position.

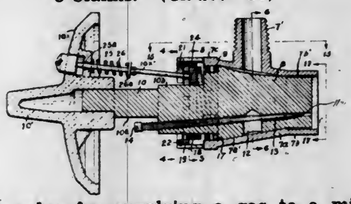
2,259,591
DRIVING MECHANISM FOR PROJECTORS
Philmore F. Sperry, Chicago, Ill., assignor to Revere Camera Company, Chicago, Ill., a corporation of Delaware
Application July 24, 1939, Serial No. 286,134
4 Claims. (Cl. 88—17)

3. In a projector, the combination of a frame, a drive wheel rotatably mounted on said frame, an arm pivotally mounted on the frame so as to swing toward and from said drive wheel, a second drive wheel rotatably mounted on said arm and movable into and out of operative engagement with said first-named drive wheel so as to be driven thereby when in engagement therewith, a pinion connected with said second drive wheel so as to rotate therewith, a gear rotatably mounted on the pivotal axis of said arm on said frame and meshing with said pinion so as to permit said second drive wheel to be moved into and out of engagement with said first-named drive wheel without disturbing the operative engagement between said pinion and said gear, means for swinging said arm toward and from said first-named



drive wheel, a shutter movable into and out of the path of a beam of light through a film being fed through the projector, and a link pivotally connected with said arm and with said shutter actuated by a movement of the arm in opposite directions to move the shutter into and out of position to intercept said beam of light.

2,259,592
VALVE
Michael N. Suvak and Michael Dzama, Cleveland, Ohio
Application March 15, 1940, Serial No. 324,140
8 Claims. (Cl. 277—50)

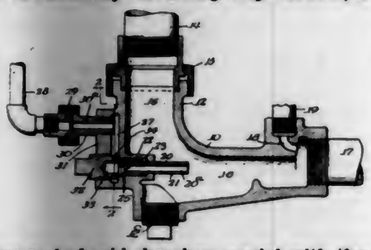


1. A valve for supplying a gas to a mixing chamber, comprising a casing having a gas supply inlet, a rotatable valve element in said casing and formed with a plurality of openings the outer ends of which are arranged to discharge the gas from the valve, the inner end of each opening being arranged to register with said inlet, said valve element being movable to predetermined positions to selectively connect each of said openings with said inlet independently of the remaining openings and means in each of said openings for regulating the discharge of the gas therefrom.

2,259,593
SAND TRAP
Guilford S. Turner, Berwyn, Ill., assignor to Morris B. Brewster Co. Inc., Chicago, Ill., a corporation of Illinois
Application May 20, 1940, Serial No. 336,157
3 Claims. (Cl. 291—11)

1. In a track sander, the combination of a casing provided with a vertically extending inlet leg for sand, a trap-conduit extending laterally from the inlet leg, and an outlet leading from one end of the conduit, the casing being provided with integral inner and outer walls forming therebetween a vertically extending elongated chamber at one side of and adjacent to

the inlet leg and a tubular inward extension integral with the inner wall and having a screw-threaded socket therein, a nozzle-pipe extending longitudinally of the trap-conduit, having its outer end screw-threaded to and terminating in the socket in the tubular extension for longitudinal adjustment and its inner end projecting into the laterally extending trap-conduit, a plug



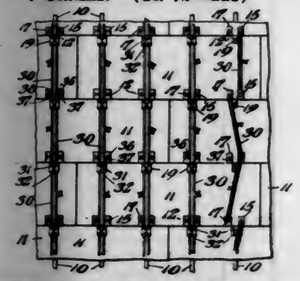
at one end of said chamber coaxial with the nozzle-pipe, screw-threaded to the outer wall of said chamber for providing access to the nozzle-pipe, the inner end of the plug being seated on the outer face of the inner wall and having a port therein for admitting air to the socket, and a connection at the other end of the chamber in offset relation to the plug, connected to said outer wall, for supplying air to the chamber.

2,259,594

BUILDING CONSTRUCTION

Walter H. Venzie, Philadelphia, Pa.

Application March 2, 1938, Serial No. 193,549
7 Claims. (Cl. 72—118)



2. In interior wall construction the combination with a support and a multiplicity of panels, of means for connecting said panels to said support and supporting their faces, comprising clips connected to said support, means forming a part of said clips for engaging said panels, and wires connecting adjacent clips one to the other, each connecting wire extending across the face of one of said panels.

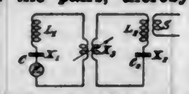
2,259,595

BAND RECEIVING SYSTEM

Frederick K. Vreeland, Montclair, N. J., assignor to Vreeland Corporation, New York, N. Y., a corporation of New Jersey

Application July 11, 1929, Serial No. 377,409, which is a division of application Serial No. 209,650, August 1, 1927. Divided and this application December 4, 1931, Serial No. 578,379
2 Claims. (Cl. 178—44)

1. The method of selectively receiving the transmission band of a modulated signal wave, which consists in applying the signal energy to a receiving system, balancing the reactances of the system in pairs at one frequency, balancing the unbalanced reactances of the pairs at other limiting frequencies by a mutual inductance operating between the pairs, thereby receiving with



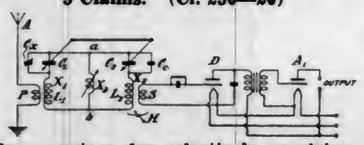
substantial uniformity all frequencies in the band included between these limiting frequencies, and varying the width of the band of reception by varying the magnitude of the mutual inductance.

2,259,596

BAND RECEIVING SYSTEM

Frederick K. Vreeland, Montclair, N. J., assignor to Vreeland Corporation, New York, N. Y., a corporation of New Jersey

Application July 11, 1929, Serial No. 377,409, now Patent No. 1,850,973, dated March 22, 1932, which is a division of application Serial No. 209,650, August 1, 1927, now Patent No. 1,725,433, dated August 20, 1929. Divided and this application March 18, 1932, Serial No. 599,749
5 Claims. (Cl. 250—20)



3. In a system for selectively receiving any desired transmission band of modulated signal waves, the combination with means for collecting and means for detecting the said waves of a system of reactances, operatively connected with the collecting means to receive the collected energy therefrom and operatively connected with the detecting means to impress the selected signal band on the detecting means, said system comprising two reactive couples each having reactances that are partly balanced at the frequencies included in the transmission band, an untuned reactance common to both couples whose value is so related to the reactances of the couples that the unbalanced portion of these reactances is balanced and the system is made responsive to all frequencies within a definite band, said system having means, for compensating for the reactance of the collecting means and means for varying said reactances for selecting at will any desired transmission band and cooperating with said system of reactances to eliminate distortion simultaneously irrespective of the degree of increase in selectivity.

2,259,597

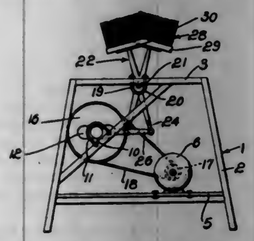
CLEANING MACHINE

John W. Watkins, Woodlawn, Ill.

Application August 16, 1940, Serial No. 352,955
1 Claim. (Cl. 15—56)

A cleaning machine including a frame having corner posts and side bars, supporting bars extending obliquely between certain of the corner posts and the side bars, a base plate, a motor on the base plate, a rock shaft extending between the side bars, a crank shaft extending between the supporting bars, operating levers shiftably mounted on the rock shaft, brushes on the operating levers, connecting rods operatively connecting the operating levers with the crank shaft, a pulley on the crank shaft, and a belt operatively connecting the pulley with the motor, the

crank shaft being rotatable by the motor and being operative for imparting reciprocative



movement to the operating levers for reciprocating the brushes for effecting a cleaning operation.

2,259,598

SEPARATING PHENOLS FROM PRODUCTS CONTAINING THEM

Herbert Wittek, Mannheim-Freudenheim, Germany, assignor to Otto Saladin, Säurefabrik Schweizerhall near Schweizerhalle near Basel-Land, Switzerland

No Drawing. Application May 31, 1938, Serial No. 210,938. In Germany June 5, 1937
4 Claims. (Cl. 23—201)

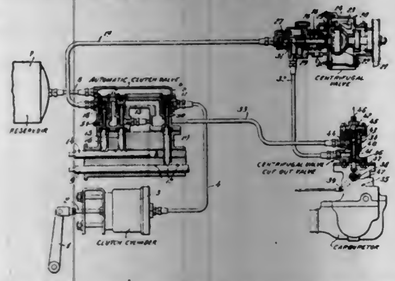
1. The process of recovering phenols and magnesium oxide which comprises subjecting a material selected from the group consisting of tar oil, tar water and gas water to the action of a mixture of an alkaline earth metal oxide and magnesium oxide in presence of water, separating the resulting alkaline earth metal phenolate solution from the resulting magnesium oxide, decomposing the phenolate to free phenols and alkaline earth metal hydroxide, and separating the phenols.

2,259,599

POWER OPERATED CLUTCH MECHANISM

Theodore J. Zeller, Plainfield, N. J., assignor to Mack Manufacturing Corporation, Long Island City, N. Y., a corporation of Delaware

Application October 28, 1939, Serial No. 301,746
15 Claims. (Cl. 192—.01)



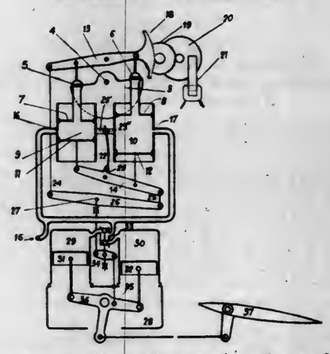
1. The combination with a clutch and power operated mechanism to actuate the clutch, including a clutch cylinder adapted to receive a fluid under pressure, and means responsive to engine speed for controlling the pressure of the fluid in said clutch cylinder, of throttle actuating means, and means responsive to movement of said throttle actuating means to render the means responsive to engine speed ineffective to control the fluid pressure in the clutch cylinder when the throttle is advanced a predetermined amount.

2,259,600

AUTOMATIC STABILIZING ARRANGEMENT FOR AIRCRAFT

Robert Alkan, Paris, France

Application August 31, 1937, Serial No. 161,863
In France September 4, 1936
64 Claims. (Cl. 244—78)



1. An automatic control system for a dirigible craft comprising a control surface, a reference measuring apparatus, a servo-motor device for controlling said surface, control means for said servo-motor device and means including a follow-up control means between said reference measuring apparatus and said control means for the servo-motor, permitting to materialize the two first differential terms of movement of said follow-up means and to introduce them with a proper sign into the control of the servo-motor control means to make this control means responsive to the amplitude, the rate and the acceleration of relative deviations of the craft from a state of equilibrium relative to a given axis thereof, registered by said reference measuring apparatus.

2,259,601

ABRASIVE CERAMIC GRANULES

Dennis C. Asper, Aspers, Pa.

No Drawing. Application January 9, 1939, Serial No. 250,067
3 Claims. (Cl. 51—307)

2. A colored abrasive granule for use in wear resistant terrazzo comprising a fired homogeneous predominantly ceramic mixture of ceramic materials, abrasive and coloring matter, said abrasive forming not greater than 30% of said mixture.

2,259,602

MANUFACTURE OF SUBSTITUTED AMIDES

Alfred William Baldwin, Henry Alfred Piggott, and Francis Sydney Statham, Blackley, Manchester, England, assignors to Imperial Chemical Industries, a corporation of Great Britain

No Drawing. Application December 14, 1938, Serial No. 245,769. In Great Britain December 28, 1937
5 Claims. (Cl. 260—401)

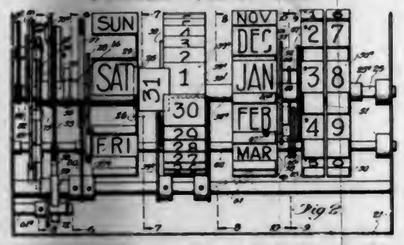
1. Sulphonated amides having the general formula:

$$RCONH—CH_2—Ar—O—R'$$

wherein R stands for an aliphatic radical which contains at least 8 carbon atoms, Ar represents an aromatic radical selected from the class consisting of radicals of the benzene series which carry a sulphonic acid group and radicals of the naphthalene series which carry a sulphonic acid group, and R' denotes a member of the group

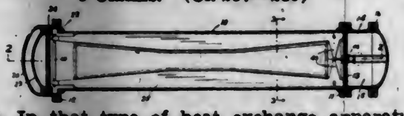
consisting of hydrogen, unsubstituted alkyl radicals, hydroxy substituted alkyl radicals, alkoxy substituted alkyl radicals, halogen substituted alkyl radicals, alkyl radicals carrying a —$COOCH_3$ substituent, hydrocarbon radicals of the benzene series, and the benzyl radical.

2,259,603
AUTOMATIC CALENDAR
Benjamin S. Balinski, Chicago, Ill.
Application April 18, 1939, Serial No. 268,632
9 Claims. (Cl. 40—112)



1. In an automatic calendar, a date unit having 31 teeth representative of 31-day months, a pawl movable daily relative to said teeth to normally advance the unit a step each day, a month unit, means actuated on the last day-of-the-month by the date unit to advance the month unit a step in the rotation of a calendar month, and a control governed by the positions of the month unit to accelerate the date unit at the end of months of less than 31 days a number of steps equal to the difference of days in such months, dates-of-the-month and months-of-the-year dials carried by said date and month units and disposing readings in rotation in regions of display, said pawl having an advancing movement over several teeth, said control including a cam alongside the teeth and of a height to normally withhold the pawl from engaging the teeth until the final portion of its advance where the pawl moves the date unit one tooth, means to retain the cam in its normal position, means to retract the cam when the retaining means is released, elements carried by the month unit for the release of the retaining means at points corresponding to the display positions of months less than 31 days, and an actuator carried by the date unit and effective on said elements when the last days of such months are on display to release the retaining means and allow the cam to be retracted a distance exposing to the pawl a number of said teeth equal to the difference of days in the shorter months from the 31 day months.

2,259,604
HEAT EXCHANGER
Daniel B. Banks, Drexel Hill, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application September 21, 1939, Serial No. 295,928
5 Claims. (Cl. 257—239)



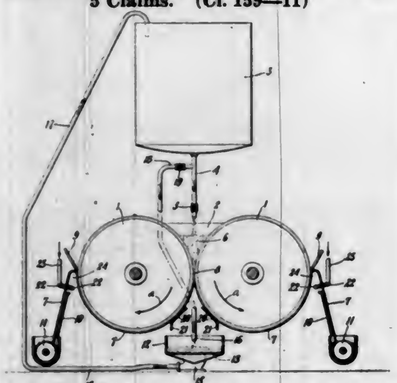
3. In that type of heat exchange apparatus which comprises a cylindrical casing, tube sheets and a bundle of tubes extending between the tube sheets and removable with the tube sheets from the casing, a baffle comprising a pair of spaced apart parallel plates extending from one tube sheet toward, and terminating short of, the other tube sheet, longitudinally extending bars between said plates at opposite longitudinal edges thereof, sealing means between the longitudinal edges of said bars and the inner wall of said casing, and means to spread corresponding ends of the bars laterally toward the casing; the improvement which comprises wings extending inward from the other ends of said bars toward the longitudinal axis of the casing, and a pin extending along the axis of the casing from the tube sheet adjoining the last named ends of said bars and operable to be moved longitudinally between the inner ends of said wings and thereby spread the corresponding ends of the bars laterally to so position their fulcrums as to enable said bars to compress said sealing means and thereby make a tight seal between the longitudinal edges of the bars and said casing throughout the length of the bars.

2,259,605
STOCK FEEDER FOR HOLLOW SPINDLE MACHINE TOOLS
Samuel Baxendale, Dearborn, Mich., assignor to Modern Collet & Machine Company, Ecorse, Mich., a corporation of Michigan
Application January 2, 1940, Serial No. 312,140
4 Claims. (Cl. 29—62)



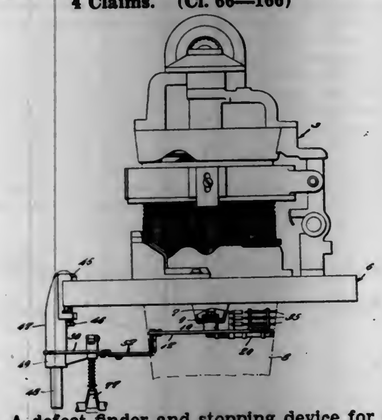
1. The combination with a hollow spindle, of stock bar feeding means therein comprising a reciprocating tubular member inwardly tapering at its forward end, a rubber bushing within said member, and adjustable means for forcing said bushing axially against said inwardly tapering portion to contract the diameter of a portion thereof so as to frictionally engage said stock bar and to compensate for wear, the total volume of said bushing being less than the space within its length surrounding said stock bar.

2,259,606
DRYING APPARATUS
Arthur C. Beardslee, Arcade, and George W. Wilson, Watertown, N. Y., assignors to The Borden Company, New York, N. Y., a corporation of New Jersey
Application May 19, 1938, Serial No. 208,948
5 Claims. (Cl. 159—11)



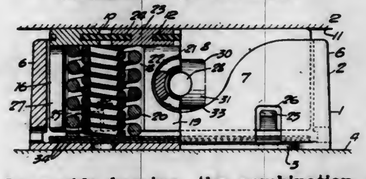
1. Apparatus for drying suspensions of solids in liquids comprising adjacent drying rolls arranged for rotation in opposite directions around substantially horizontal parallel axes with the adjacent surfaces thereof moving downwardly, means for heating the surfaces of said rolls, means for feeding suspensions into the rolls, a trough positioned below the adjacent surfaces of the rolls for collecting material dripping therefrom, leveling means positioned above said trough and extending substantially the full length of the drying surfaces for removing excess material from the surfaces of the suspensions on the rolls, and means for feeding a separate quantity of the suspensions into said trough for mixing with said collected material and excess material to produce a material suitable for mixing with the suspensions entering the rolls.

2,259,607
DEFECT FINDER AND STOP FOR CIRCULAR KNITTING MACHINES
Albert F. Berthold, Pottstown, Pa., assignor of fifty per cent to Carson C. Potter, Pottstown, Pa.
Application May 7, 1941, Serial No. 392,362
4 Claims. (Cl. 66—166)



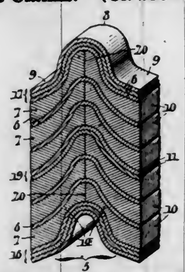
1. A defect finder and stopping device for operating the stop lever of a circular knitting machine of the type having a stationary ring and a rotary spindle depending therebelow, with the knitted tube depending from said stationary ring concentrically around said spindle, a cross bar fixed at its middle to turn with said spindle, a knitted tube engaging ring fixed to the other ends of said cross bar to engage the inner side of the knitted tube, a feeler assembly on said cross bar comprising a pivoted spring positioned carriage having outwardly spring pressed feelers engaging the inner side of the knitted tube and arranged to project outwardly through any defect in the tube found, an outwardly spring pressed knock-off bar on said cross bar, latch means normally retaining said knock-off bar in retracted position, means operatively connecting said latch means and said carriage whereby the catching of a feeler in the defect pivots said carriage and releases said knock-off bar to project radially outwardly from said knitted tube engaging ring, and trip means mounted on said stationary ring of the knitting machine, said trip means comprising a spring pressed element operatively engaged with the stop lever of the machine, and a swingable element to be operatively engaged by said knock-off bar through the knitted tube for stopping the machine.

2,259,608
SIDE BEARING
Emil H. Blattner, Rochester, N. Y., assignor to The Symington-Gould Corporation, Rochester, N. Y., a corporation of Maryland
Application July 1, 1940, Serial No. 343,481
20 Claims. (Cl. 308—138)



1. In a side bearing, the combination of a housing, a multipart cap interlocked with said housing and extending thereabove, vertically acting spring means interposed between said housing and cap for urging the latter outwardly of said housing, and horizontally acting spring means urging said cap into frictional engagement with said housing.

2,259,609
GASKET
William W. Boyd, Tulsa, Okla., assignor to "Flexitallic" Gasket Company, Camden, N. J., a corporation of New Jersey
Application April 12, 1940, Serial No. 329,255
2 Claims. (Cl. 288—32)

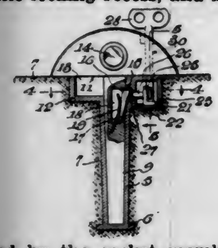


1. As a new article of manufacture a high pressure all metal spirally-wound gasket comprising a flat steel strip binder component, and a strip filler component of aluminum, said binder component incidental to winding being formed to embody a central corrugation with flanking flats while retaining its inherent compressive resistivity, and the filler component being deformed to entirely fill the space between the binder convolutions and form a unified leak-proof mass devoid of "wicking action" when compressed.

2,259,610
REMOVABLE AND REPLACEABLE TRAFFIC MARKER
Will H. Bryson, Columbus, Ohio, assignor of fifty-five per cent to Leland S. Dougan, Columbus, Ohio
Application January 31, 1940, Serial No. 316,675
6 Claims. (Cl. 94—1.5)

1. A traffic marker comprising a socket member adapted to be permanently embedded in a highway, a marker member having a crowned head for lying close to the highway surface and a depending shank removably mountable in said socket, and means for releasably locking the shank in the socket against unauthorized removal, said last named means including a lock-

ing recess formed in the socket member, a spring projected detent carried by the shank and engageable in the locking recess, and key-actuated



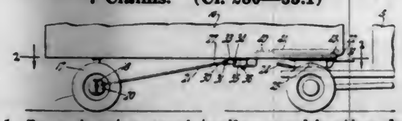
means carried by the socket member and engageable with the detent for displacing the detent from the locking recess to permit withdrawal of the shank from the socket member.

2,259,611
DRILL
George M. Burger, Detroit, Mich.
Application March 19, 1941, Serial No. 384,189
4 Claims. (Cl. 77—67)



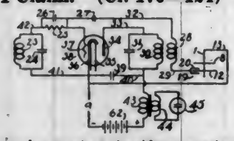
1. In a drill of the character described, a body, and a detachable point therefor; said body at one end thereof having a plurality of coupling pins projecting therefrom parallel to the axis of the body, and said point at one end thereof provided with sockets in which said coupling pins have a driving fit for detachably securing the point to said body.

2,259,612
MEANS FOR AUTOMATICALLY COUPLING TRACTOR-SEMITRAILER COMBINATIONS
Michael A. Carmody, Buffalo, N. Y., assignor of one-half to Henry Schaefer, Jr., Buffalo, N. Y.
Application July 2, 1940, Serial No. 343,626
7 Claims. (Cl. 280—33.1)



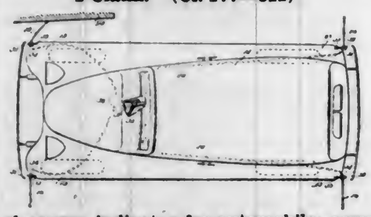
1. In a tractor-semi-trailer combination having connection therebetween, including an upper and a lower fifth wheel and a kingpin, said upper fifth wheel being formed with an arcuate slot substantially concentric with said kingpin, ground-engaging supports for said trailer, means interconnecting said supports for steering, means to steer said supports as said tractor assumes an angle with respect to said semi-trailer, said steering means including a shaft connected to and extending forwardly from the steering means, a steering member slidably mounted in the arcuate slot of said upper fifth wheel, said member having a coupling element for engagement with the lower fifth wheel, a steering arm connected adjacent one of its ends to said steering member in front of said kingpin and pivotally connected to said trailer adjacent its other end, and means interconnecting said shaft and said arm so constructed and arranged that the trailer supports are turned in a direction opposite to that assumed by the tractor.

2,259,613
STROBOSCOPIC METER TESTER
James Paul Cerveny, Yakima, Wash.
Application March 8, 1939, Serial No. 260,603
1 Claim. (Cl. 176—124)



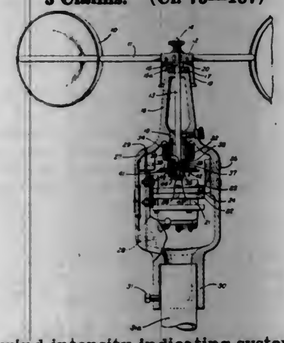
A stroboscopic meter testing system comprising an integrating watt-hour meter having a watt-hour registering means, a plurality of fixed current and potential coils, and a rotatable shaft in said meter responsive to the magnetic interaction between related current and potential coils to rotate said shaft; variable capacity means responsive to the rotation of said shaft to vary the capacity thereof, an oscillatory circuit having a gaseous glow lamp in the output thereof, and including said capacity means, for varying the energization of said lamp periodically in accordance with the rotation of said shaft.

2,259,614
CLEARANCE INDICATOR FOR AUTOMOBILES
Fred Chang, Oakland, Calif.
Application June 3, 1938, Serial No. 211,665
1 Claim. (Cl. 177—311)



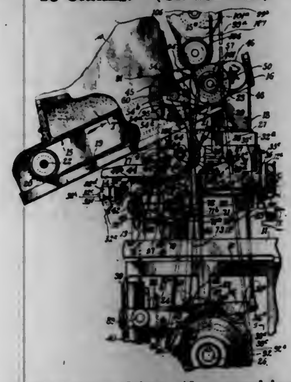
A clearance indicator for automobiles comprising a feeler arm, a support for said feeler arm, means for pivotally mounting said feeler arm on said support for movement in a horizontal plane, resilient means for normally retaining said feeler arm in a predetermined position with respect to said support but permitting said feeler arm to rotate in said horizontal plane when the feeler arm is in contact with an obstruction, means for pivotally mounting said support substantially at a corner of a vehicle for movement about a vertical axis, means operable from within the vehicle at the driver's position for rotating the support about said vertical axis to a position in which the feeler arm normally extends at right angles to the axis of said vehicle or to a position in which the feeler arm extends substantially parallel to the axis of the vehicle and for securing the support in either position, and means for indicating to the driver of the vehicle, the position of said feeler arm with respect to said support.

2,259,615
WIND VELOCITY INDICATOR
Ralph R. Chappell, Richmond, Va., and Rutger B. Colt, Baltimore, Md., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Original application November 16, 1938, Serial No. 240,828. Divided and this application October 20, 1939, Serial No. 300,468
3 Claims. (Cl. 73—187)



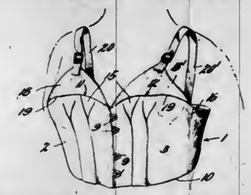
1. A wind intensity indicating system comprising a rotating cup anemometer, a shaft connected to said anemometer for rotation therewith, a stationary magnetic coil surrounding said shaft, a source of electrical energy, means for connecting said source to said coil, self-synchronous means comprising a rotor and a stator, a perforated disc connected to said rotor, an armature, a plurality of pins in said armature projecting into said disc perforations, and a magnetizable member mounted for rotation with said shaft adjacent said armature and within the field of said coil.

2,259,616
TOBACCO FEED FOR SCRAP BUNCH CIGAR MACHINES
Sigurd Clausen, Brooklyn, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey
Application September 4, 1937, Serial No. 162,461
18 Claims. (Cl. 131—21)



2. In a cigar machine, the combination with an endless traveling carded surface feeding tobacco from a source of supply and a picker roll for removing tobacco from said surface, of a chute located to receive said tobacco, mechanism for stopping the movement of said surface once each cycle of the machine after an amount of tobacco in excess of a complete bunch charge has been fed, and means acting independently of said mechanism for preventing resumption of movement of said surface during a succeeding cycle of said machine.

2,259,617
BRASSIERE
Lena M. Clermont, Washington, D. C.
Application December 16, 1939, Serial No. 309,665
1 Claim. (Cl. 2—42)



A brassière comprising a body portion of relatively great depth but adapted to terminate about the body of the wearer above the waist line, said body portion comprising two similar main portions and two similar triangular upper portions, each of said upper triangular portions attached to a main portion along a transverse line substantially centrally of the breasts of a wearer, stiffening means along the front vertical edges of said main portions carrying fasteners for detachably securing said main portions, the upper ends of said stiffening means terminating at the upper marginal edges of said main portions, each of said main portions having pleats each of which extends parallel to said stiffening means, the lower portion of said pleats being closed by stitching and the upper portion being open to provide a fullness below said transverse line, shoulder straps secured to the apices of said triangular portions and said main portions and means for fastening together the rear edges of said main portions.

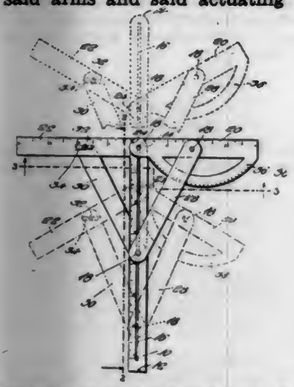
2,259,618
INDIGOID DYE AND PROCESS OF MAKING THE SAME
John Elton Cole and Benjamin Franklin Skiles, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 7, 1938, Serial No. 244,353
14 Claims. (Cl. 260—322)

1. A vat dyestuff of the indigoid series characterized structurally by possessing at least one 3-hydroxy-thionaphthene component which in turn possesses in the aryl nucleus at least one hydroxy-alkoxy group having not more than 4 carbon atoms in its structure, said dyestuff being further characterized by its adaptability to produce level prints on artificial cellulosic fabric substantially fast to crocking.

2,259,619
MITER SQUARE
Fred D. Cooper, Tacoma, Wash.
Application March 7, 1940, Serial No. 322,826
3 Claims. (Cl. 33—91)

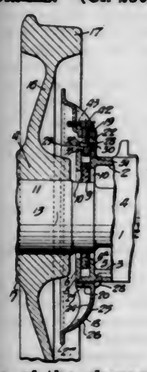
1. A miter square of the character described, comprising a ruler, a longitudinal slot in said ruler, right and left laterally extending arms pivotally connected to each other through said slot, actuating members pivotally secured to said arms

and to each other through said slot, means for locking said arms and said actuating members



at any desired angle by a single locking member, and means for moving the said arms and actuating members longitudinally of the said ruler.

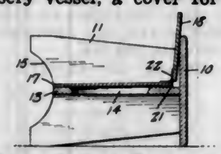
2,259,620
JOURNAL BOX
Glenn F. Couch, Rochester, N. Y., assignor to The Symington-Gould Corporation, Rochester, N. Y., a corporation of Maryland
Application June 5, 1940, Serial No. 339,008
7 Claims. (Cl. 286—5)



1. In a device of the character described including a journal box having a dustguard well adjacent the rear extremity thereof, the combination of a filler bearing upon the journal box and closing the upper extremity of said dustguard well, a deflector removably secured to said journal box and having inner side and bottom flanges bearing against said journal box in the proximity of said dustguard well, a circular concave web opening away from said journal box and formed integrally with said flanges, and means rotatably associated with said deflector and reacting against said filler for retaining said deflector in a predetermined position.

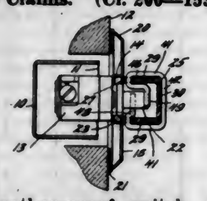
2,259,621
THREE-WAY CHAIR
Gordon E. Dannels, Pittsburgh, Pa.
Application April 16, 1940, Serial No. 329,974
1 Claim. (Cl. 155—31)

A chair comprising, a member serving as a seat when disposed in a horizontal plane and as a back rest support when disposed in a vertical plane, side pieces forming legs secured to the ends of the member and diverging from the member, a center member secured at the ends to the side pieces and having an opening to accommodate a nursery vessel, a cover for the opening



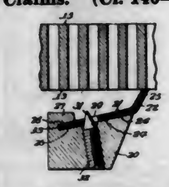
hinged to the center member adjacent the combined seat and back rest support, a back rest superposed on and pivotally secured to the cover near the combined seat and back rest support, and a panel detachably connected to the center member remote from the hinge of the cover.

2,259,622
WEATHERPROOF SWITCH
Victor R. Despard, Syracuse, N. Y., assignor to Pass & Seymour, Inc., Syracuse, N. Y., a corporation of New York
Application November 17, 1938, Serial No. 241,045
11 Claims. (Cl. 200—153)



1. In a weather-proof switch, in combination, a conventional wall type tumbler switch having the usual operating handle of insulation, said switch being adapted for flush mounting, a cover plate and gasket to weather-proof the switch and its mounting, a small opening in said plate for the free passage of said handle, a hood closing said opening in a weather-tight manner and providing space for movement of said handle, an operator extending through the side walls of said hood closer to the plate than the end of the handle and engaging said handle to operate the same in either direction, and a ball on said operator adapted to closely sweep the exterior of said hood when moved to operate said handle.

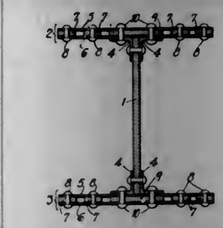
2,259,623
ROTARY CUTTER
Charles W. Dieckmann, Chicago, Ill.
Application October 14, 1940, Serial No. 361,098
2 Claims. (Cl. 146—189)



1. A rotary cutter for a meat grinder comprising a knife blade having a cutting edge at the front end thereof and a hole extending transversely therethrough, a rotatable spider provided with a hub and a radial arm extending outwardly

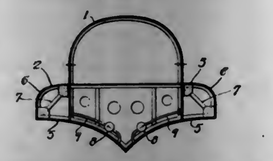
from the hub, the arm having a front face fitting against the back face of the blade and a radially extending channel along its rear margin, with a bottom face against which the rear edge of the knife abuts, and a front side fitting against the front face of the rear portion of the blade, and a screw threaded to the arm having its axis extending transversely of the blade from the back face of and through the arm, and provided with an integral tapered end extending into and having wedging engagement with the side of the hole in the blade and adapted to jam the rear edge of the blade against the bottom of the groove.

2,259,624
CONSTRUCTION ELEMENT FOR AIRCRAFT
Claude Dornier, Friedrichshafen-on-the-Bodensee, Germany, assignor of one-half to Dornier-Werke G. m. b. H., Friedrichshafen-on-the-Bodensee, Germany
Application December 20, 1938, Serial No. 246,780
In Germany December 23, 1937
4 Claims. (Cl. 189—37)



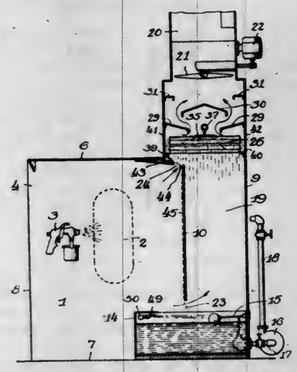
1. A longitudinal structural element for aircraft comprising an upper and a lower flange member, each flange member being built up of a plurality of longitudinally undivided plate members disposed substantially parallel to one another, longitudinal striplike spacer members individually longitudinally and flatly disposed between and rigidly connected with and separating said plate members and being spaced from one another, and a web member connected to and disposed between and substantially perpendicularly to said flange members.

2,259,625
FLYING BOAT
Claude Dornier, Friedrichshafen-on-the-Bodensee, Germany, assignor of one-half to Dornier-Werke G. m. b. H., Friedrichshafen-on-the-Bodensee, Germany
Application July 29, 1939, Serial No. 287,195
In Germany August 24, 1938
4 Claims. (Cl. 244—106)



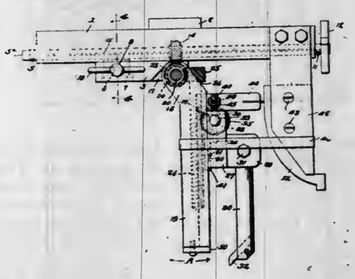
1. A flying boat including a fuselage having a hydroplane type bottom, a hollow, rigid and watertight bulge means laterally projecting from said fuselage substantially at the waterline, and flooding means connected with said bulge means for temporarily flooding said means and having an intake portion connected with said bottom.

2,259,626
MEANS FOR AND METHOD OF ELIMINATING SPLASH IN WASH TYPE SPRAY BOOTHS
Harry Erikson, Chicago, Ill., assignor to Binks Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application April 6, 1939, Serial No. 266,392
7 Claims. (Cl. 91—60)



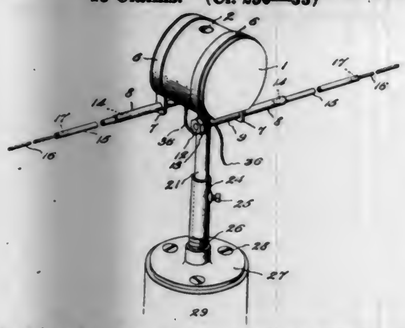
1. A device for eliminating splashing in a wash type of spray booth having a compartment, means for producing a downward flow of a curtain of wash liquid, and a receptacle for receiving said liquid and in which splashing of the liquid occurs, in combination therewith of means for projecting a sheet of liquid over said receptacle to intercept the upward splash of the liquid therein.

2,259,627
BORING HEAD
Percy M. Hallett, Stoughton, Wis.
Application February 20, 1941, Serial No. 379,897
6 Claims. (Cl. 77—57)



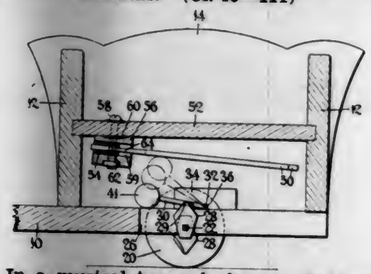
1. In a compound tool of the class described, an elongated body, a feed shaft and an operating shaft carried by the body in approximately parallel relation, a slide mounted to move along the body, a connection between the feed shaft and the slide and operative to impart movement to the slide from the feed shaft, a cross shaft mounted on the slide, a radius arm mounted for swinging movement on the cross shaft, a feed screw journaled in the radius arm, a tool carrier mounted to slide longitudinally of the radius arm, mechanism including the cross shaft for imparting rotation to the feed screw from the operating shaft, and means for imparting sliding movement to the tool carrier from the feed screw.

2,259,628
ADJUSTABLE ANTENNA UNIT
Alfred Fener, Brooklyn, and John Alesi, New York, N. Y.
Application June 28, 1941, Serial No. 400,212
13 Claims. (Cl. 250—33)



1. An antenna unit comprising in combination a cylindrical base member, means for mounting said base member on a supporting surface, rod-holding means slidably and adjustably mounted on said base member, at least one antenna rod in said rod-holding means, and means for fixing said rod-holding means in their adjusted position.

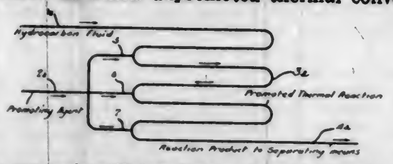
2,259,629
MUSICAL TOY
Herman G. Fisher, East Aurora, N. Y., assignor to Fisher-Price Toys, Inc., East Aurora, N. Y.
Application June 19, 1940, Serial No. 341,336
6 Claims. (Cl. 46—111)



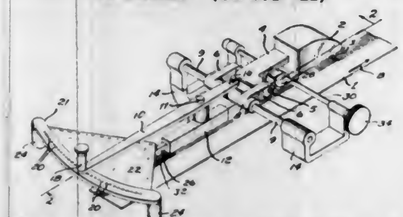
1. In a musical toy, a body mounted upon a traction wheel for rolling movement along a surface, a wooden sounding board and sounding means disposed in adjacency therebeneath, a striker mounted beneath said sounding means for free up and down movement for impinging against said sounding means, and cam means actuated from said traction wheel and engageable with said striker when the latter is in a lowered position for moving the same upwardly and imparting thereto sufficient velocity to cause the striker to leave the cam and impinge upwardly against the sounding means, return of said striker to lowered position being under the force of gravity.

2,259,630
PROCESS FOR THERMALLY REACTING HYDROCARBONS
Frederick E. Frey, Harold J. Hepp, and Glen H. Morey, Bartlesville, Okla., assignors to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware
Application January 31, 1936, Serial No. 61,814
16 Claims. (Cl. 260—666)

1. In a process for thermally converting paraffin hydrocarbons of higher molecular weight than methane the improvement which comprises increasing the velocity of conversion, at any temperature at which unpromoted thermal conversion proceeds with less than a desired velocity, by admixing not more than 10 mol per cent of a metal alkyl, capable of being volatilized without decomposition, with the hydrocarbon to be converted.

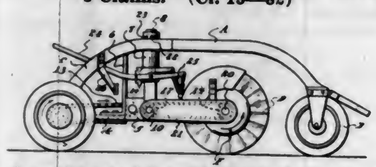


2,259,631
SOUND RECORDING DEVICE
Henry Flood, Jr., Rahway, N. J., assignor to Recordgraph Corporation, New York, N. Y., a corporation of Delaware
Application February 21, 1940, Serial No. 320,084
13 Claims. (Cl. 274—11)



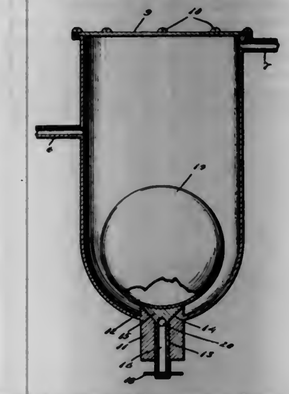
1. In a sound recording device including a recording head and a record medium, a stylus carried by the head for recording on the record medium, means operatively related to said head for positioning said head in a recording position and in a non-recording position, manual means operatively related to said head for moving the recording head transversely of the record medium and means controlled by said head positioning means for preventing transverse motion of said recording head by said manual means.

2,259,632
ROAD SWEEPER
William E. Grace, Dallas, Tex.
Application March 12, 1940, Serial No. 323,501
3 Claims. (Cl. 15—82)



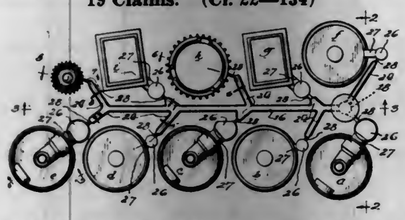
1. A road sweeping machine including a substantially Y-shaped frame having a forward and a pair of rear supporting wheels, a kingpost supported at the intersection of the members of said frame, a kingpin rotatably mounted in said kingpost, a cross-beam carried by said kingpin, a rotary brush supported by said cross-beam, a power transmission supported from said frame rearwardly of said brush, means for transmitting tractional power of said rear wheels to drive said transmission and a universal shaft for imparting rotary motion to said brush from said transmission.

2,259,633
FUEL SEPARATOR
Omer E. Guillaume, Honolulu, Territory of Hawaii
Application September 27, 1940, Serial No. 358,733
1 Claim. (Cl. 210—54)



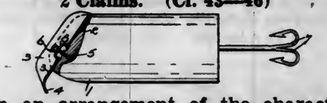
A device for separating water from liquid fuel comprising a tank having a substantially semi-spherical bottom, a body depending from the bottom of the tank and having a portion extending slightly into the tank, said body having a longitudinally extending bore therein and an inverted conical recess in its top with which the bore communicates, a float in the tank of greater weight than the liquid fuel to be placed in the tank but buoyant in water, a substantially conical valve forming member connected with the lower part of the float and engaging the conical recess when the float is in lowered position and a tubular stem extending downwardly from the valve forming part and having a lateral opening at its point of junction with the valve forming part for communicating the interior of the stem with the interior of the tank when the float is in raised position, said stem having a sliding fit in the bore of the body for guiding the float in its movement.

2,259,634
MEANS FOR FORMING CASTINGS
Henry F. Hagemeyer, Chicago, Ill., assignor to Castings Patent Corporation, Chicago, Ill., a corporation of Illinois
Application January 15, 1940, Serial No. 313,872
19 Claims. (Cl. 22—134)



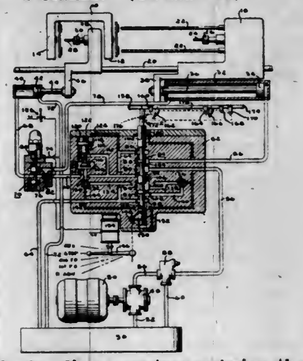
1. A casting mold having therein a casting impression, a sprue, a runner leading from said sprue, a feeder leading from said runner, a shrink bob cavity leading from said feeder, a passage leading from the shrink bob cavity to the casting impression, and means interposed between the feeder and the shrink bob to restrict the flow of metal into said shrink bob and casting impression to an extremely low volumetric rate.

2,259,635
FISHING PLUG
Wilson W. Hargrett, Wyandotte, Mich.
Application February 28, 1940, Serial No. 321,224
2 Claims. (Cl. 43—46)



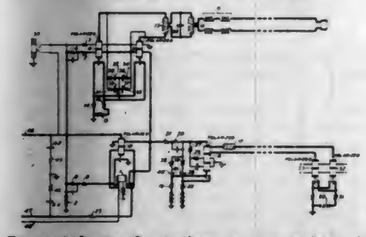
1. In an arrangement of the character described, the combination of a substantially circular plug having its front extremity transversely inclined and a concave groove of uniform depth and radius formed centrally and longitudinally in and across the entire inclined extremity, a transversely curved action plate seated in said groove having its longitudinal margins projecting forwardly a uniform distance from the front of the plug throughout substantially the entire height of the latter, one extremity of the action plate terminating substantially flush with the trailing side of the inclined extremity of the plug, an integral tongue formed on the opposite extremity of the plate and extending laterally beyond the leading side of the inclined extremity of the plug, said tongue being gradually flattened towards its outer transverse margin and rearwardly flexed, and means securing said plate to said plug including means for attachment of a line thereto.

2,259,636
POWER TRANSMISSION
Ferris T. Harrington, Detroit, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application May 24, 1939, Serial No. 275,330
2 Claims. (Cl. 121—45)



1. In a hydraulic power transmission the combination with means forming a source of pressure fluid, fluid motor means, conduits connecting the motor means to said source for operation thereby, and control means for selectively directing fluid to and from the motor means at a plurality of predetermined rates to advance the motor means at different speeds in one direction, said control means including flow rate controlling means and a valve for selectively rendering the rate controlling means effective to meter the fluid discharged from the motor means at different rates, said motor means including a long stroke piston and cylinder and a short stroke piston and cylinder in abutting relation with the long stroke piston and cylinder during a portion of the long stroke whereby the volume discharged from both pistons and cylinders is effective during said portion of the stroke to cause the motor means to advance at a different rate.

2,259,637
TELEGRAPH REPEATER
Richard B. Hearn, Hollis, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 26, 1940, Serial No. 342,431
11 Claims. (Cl. 178—73)



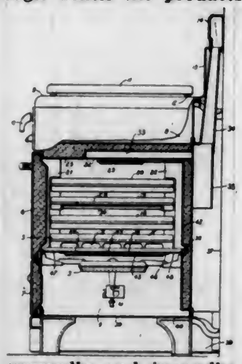
1. In a telegraph system, a repeater circuit, means in said circuit for operably interconnecting a single group of telegraph circuits arranged in a single inverse neutral concentration to a four-wire telegraph circuit at a first time, means in said circuits for operating said circuits on a half duplex basis at said first time, means in said repeater for operably interconnecting two groups of telegraph circuits arranged in two inverse neutral concentrations to a four-wire telegraph circuit at a second time, and means in said circuits for transmitting a separate communication through each of said two concentrations simultaneously at said second time.

2,259,638
PROCESS OF INHIBITING THE HYDRATION OF ANHYDROUS CALCIUM SULPHATE
Winfield Walter Heckert, Ardentown, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 19, 1938, Serial No. 225,716
9 Claims. (Cl. 106—306)

1. In a process of producing pigment-useful, insoluble anhydrite at least 75 per cent of the particles of which have an average particle size ranging from substantially .5–2 microns, which involves the production through precipitation of insoluble anhydrite in contact with sulphuric acid and the washing of said insoluble anhydrite with an aqueous medium, the step of inhibiting the hydration of said insoluble anhydrite which comprises contacting it with about .01% to 1%, based on the weight of the anhydrite, of a water-soluble protein prior to separation of said anhydrite from said aqueous medium.

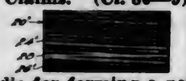
2,259,639
OVEN FOR GAS RANGES
John F. Hennessy, Rockford, Ill., assignor to Geo. D. Roper Corporation, Rockford, Ill., a corporation of Illinois
Application February 6, 1939, Serial No. 254,757
6 Claims. (Cl. 126—39)

1. In an oven for a gas range comprising outer oven walls forming an enclosure having a lower inlet for air and an upper outlet for exhausting products of combustion, and a burner in said enclosure, an inner oven structure comprising in combination with an oven bottom disposed horizontally over the burner dividing the enclosure into an upper oven compartment and a lower burner compartment, combined rack and oven bottom supporting means and oven heat circulating means comprising upright supports in opposite sides of the oven compartment, a plurality of horizontal rack guides mounted on said supports in vertically spaced relation to one another and laterally spaced from the adjacent side walls of the enclosure whereby to provide opposed vertical passages between the rack guides and said side walls for circulation of products of combustion upwardly from the burner compartment and openings between the rack guides for circulation of products between the passages and the oven compartment in both directions, said rack guides being adapted to support oven racks through which the products are free to



circulate, upwardly and inwardly inclined deflectors at the upper ends of the vertical passages for directing the upwardly flowing products from the passages over the uppermost rack guides and into the oven compartment with a swirling motion, the lowermost rack guides having recirculation openings provided therein above the oven bottom establishing communication between the vertical passages and the oven compartment for return of a certain portion of the products into said passages before ultimate discharge from the oven through the upper outlet, and supporting ledges on the lowermost rack guides for supporting the oven bottom.

2,259,640
THREAD FORMING APPARATUS
Joseph H. Hoern, Saginaw, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application August 18, 1937, Serial No. 159,737
7 Claims. (Cl. 80—9)



1. A rolling die for forming a pair of series of mis-matched threads upon an object, comprising, in combination, a pair of die sections each having normally matched thread forming means thereon, said sections being arranged with the thread forming means of one in mis-matched relation with the thread forming means of the other.

2,259,641
NITROSO-BETA NAPHTHOL IRON PIGMENT AND A PROCESS OF MAKING IT
Samuel C. Horning, Newark, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 26, 1939, Serial No. 275,797
17 Claims. (Cl. 260—439)

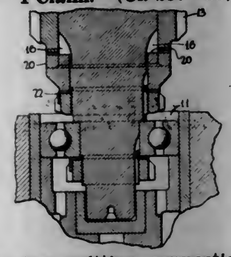
8. As a new product, a dry soft-textured pigment comprising an iron complex of nitroso-beta-naphthol containing as an essential ingredient the reaction product of a colorless organic amine with said pigment.

2,259,642
ROPE PULLER
John A. Hoyt, Batavia, Ill., assignor of one-third to John F. Fonder, Evanston, Ill., and one-third to James A. Hoyt, Chicago, Ill.
Application November 6, 1939, Serial No. 303,123
6 Claims. (Cl. 30—249)



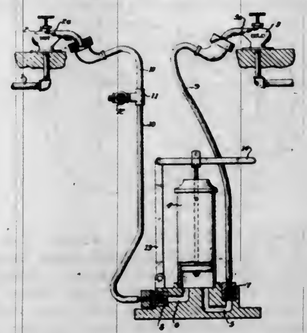
6. A rope puller comprising a sleeve, a lever disposed along said sleeve and pivotally mounted thereon, means for guiding a rope between said sleeve and lever and including coacting clamp jaws positioned to engage such rope when said sleeve and lever are gripped by an operator's hand, and a spring normally controlling said jaws when released by the operator's hand.

2,259,643
CENTRIFUGAL MACHINE
Leo D. Jones, Philadelphia, Pa., assignor to The Sharples Corporation, Philadelphia, Pa., a corporation of Delaware
Application December 11, 1939, Serial No. 308,584
1 Claim. (Cl. 287—53)



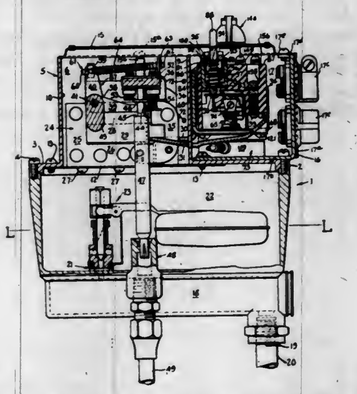
A power transmitting connection between a rotary shaft having a shoulder and a bearing portion at one end thereof and a member located on said shaft beyond said bearing portion with one end thereof in abutment with said shoulder, said connection including a longitudinal groove in the face of said shaft, a radial slot in the other end of said member in registration with said groove, a washer provided with a projection adapted to enter said groove in said shaft and the registering slot in said member, and means for holding said washer in position on said shaft with said projection entering in said registering groove and slot.

2,259,644
REMOVING DEPOSIT FROM HOT WATER PIPING
Louis A. Kling, Detroit, Mich.
Application July 12, 1938, Serial No. 218,809
3 Claims. (Cl. 141—1)



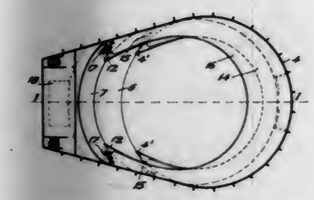
1. A method of removing a deposit from the interior of a conduit, comprising running hot liquid through the conduit in one direction until the conduit is raised to a high temperature, running cold liquid through the conduit in the opposite direction to crack the deposit by sudden change in temperature, and applying a series of sharp, percussive impulses directly to the cold liquid while flowing through the conduit to break the deposit into small particles.

2,259,645
HEATING SYSTEM AND CONTROL MEANS THEREFOR
Walter S. Landon, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application July 11, 1938, Serial No. 218,720
17 Claims. (Cl. 200—83)



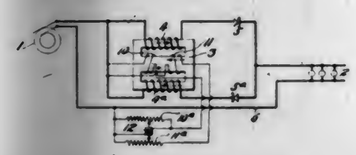
1. In an apparatus of the character described, a plurality of contact members, a movable contact arm cooperable with one of said members for completing an electrical circuit, stop means limiting movement of said arm prior to engagement thereof with a second of said contact members, and means for moving said stop means so that said arm is operable to close a circuit through said second contact member.

2,259,646
THEATER CONSTRUCTION
Max Eduard Lichburg, Basle, Switzerland
Application July 16, 1938, Serial No. 219,624
In Switzerland July 17, 1937
3 Claims. (Cl. 20—1.12)



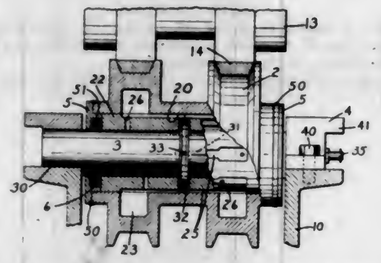
1. A theater comprising an auditorium having a floor; a first portion of said floor being provided with seats for an audience; a plurality of stepped, arcuate, curtainless main stages at successively higher levels in the direction away from said seats; said main stages being in front of said seats so as to be simultaneously and constantly visible by an audience in said seats; a second portion of the floor adjacent the lowest of said main stages and in front of said seats being free of seats and reserved for acting; a third portion of said floor extending from the second portion thereof among the seats also being free of seats and reserved for acting; a fourth portion of said floor, at the periphery of the portion provided with seats, being free of seats and reserved for acting, steps connecting the third and fourth portions of said floor, said main stages being provided at their lateral ends with extensions forming gallery-like stages which lie at different heights with respect to each other and with respect to their respective main stages and extend at least partially around the audience floor and thus encompass it, and walls extending upwardly at the sides of the main stages to the front part of the respective gallery-like stages.

2,259,647
ELECTRIC CONTROLLING APPARATUS
Frank G. Logan, Mount Vernon, N. Y., assignor to Ward Leonard Electric Company, a corporation of New York
Application February 9, 1939, Serial No. 255,393
10 Claims. (Cl. 171—242)



1. The combination of an alternating current source, reactive means having windings receiving current from said source, said windings having cores, an electric valve in series with each of said windings respectively and connected to deliver an alternating current to a consumption circuit, a control winding connected to said source and receiving an alternating current from said source for raising the magnetization of the cores of said windings during their inactive periods respectively, the voltage of the alternating current applied to the control winding aiding the voltage induced therein by the flux due to said windings.

2,259,648
BEARING FOR TRACTORS
Joseph E. Lucas, Mercer Island, Wash., assignor of one-half to W. A. Castleton, Seattle, Wash.
Application March 26, 1938, Serial No. 198,236
8 Claims. (Cl. 308—36.1)



2. In combination with a roller having an axial bore of uniform size, a pin having a flange between its ends, two half bushings fitting closely within the roller's bore and having a bearing fit about the pin, the ends of said bushings being shouldered to bear against the side faces of the pin's flange, but to afford slight axial clearance for the flange, said bushing ends meeting outside of the flange to maintain such axial clearance, caps secured to the ends of the roller and closely about the pin, and having axially inward extensions engageable with the outer ends of the half bushings to hold the latter against axial movement relative to the roller, and thus to retain their abutting ends in contact, each such cap extension and the bushing end engaged thereby defining an annular packing chamber, and a packing ring of expansible material closely confined in each such chamber.

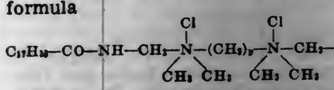
2,259,649
SPRING MECHANISM FOR LEAD CARRIER OF MAGAZINE PENCILS
Hans Maucher, New York, N. Y., assignor to Norma Multikolor, Inc., New York, N. Y., a corporation of New York
Application October 29, 1940, Serial No. 363,252
7 Claims. (Cl. 120—14)



3. A lead carrier for multi-color pencils having an open end, a pair of leaf springs, corresponding extremities of the springs disposed within the open end of, and clenched together with, the carrier, and the protruding portions of said springs lying at an angle to the body of the carrier.

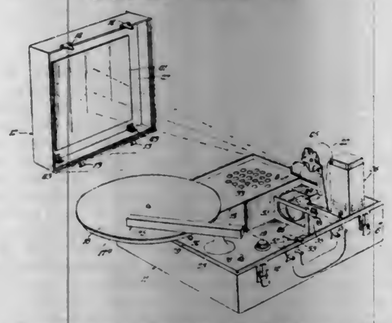
2,259,650
CHEMICAL COMPOUND
Robert William Maxwell, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 18, 1938, Serial No. 241,145
9 Claims. (Cl. 260—404)

4. A textile-treatment agent of the general formula



wherein *y* stands for an integer not greater than 6, said product being characterized by imparting water-repellent characteristics to cellulosic textile fiber when the latter is impregnated with a solution thereof, dried at a temperature not above 40° C. and then baked in the absence of moisture at a temperature above 105° C.

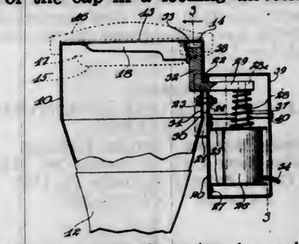
2,259,651
SOUND-PICTURE MACHINE
Orlando J. McClure, Chicago, Ill.
Application April 27, 1939, Serial No. 270,373
3 Claims. (Cl. 88—28)



1. A device of the class described comprising a case, a sound-record operating motor having a rotating spindle associated therewith mounted in said case, a pick-up arm pivotally mounted in said case and adapted to cooperate with a sound-record operatively connected to and rotatable with said spindle, a speaker unit in said case, a sound amplifier in said case operatively related to said pick-up arm and speaker, a projector in said case and hingedly connected thereto in a manner to be variously positioned entirely within the bounds of the sides of said case, a detachable cover member for said case, a picture screen mounted in said member in spaced relation to the closed side thereof, and means on said cover member for positioning and securing sound records thereto between the closed side thereof and said screen.

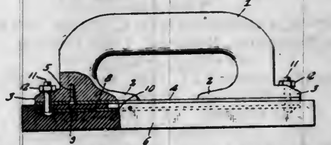
2,259,652
FILLER CAP LOCK
Peter P. Mikolajczak, Chicago, Ill.
Application November 5, 1940, Serial No. 364,467
2 Claims. (Cl. 292—144)

1. A lock for the filler neck of a fuel tank which includes an inwardly directed flange, at least one recess formed through said flange, a depending cam on said flange adjacent said recess, a closure cap including a lug insertable into the filler neck through said recess and engageable with said cam to lock the cap to the filler neck when the cap is rotated in a locking direction; a lock for said cap, said lock comprising a member normally filling the recess to form a barrier to said lug upon return rotation of said cap, said member being automatically retracted in a downward direction by said lug when said cap is applied to said filler neck to permit rotation of the cap in a locking direction, means



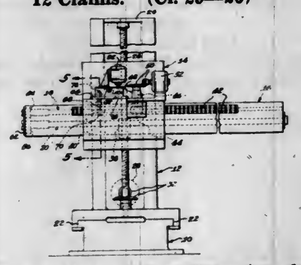
thereafter automatically returning said member to its recess closing position to bar return rotation of said cap, operator controlled means for retracting said member to permit return rotation of said cap, and a portion of said member interengaging with an initial portion of said cam when said member is in its recess closing position.

2,259,653
PLASTERER'S FLOAT
William O. Mitchell, Billings, Mont.
Application April 1, 1940, Serial No. 327,347
3 Claims. (Cl. 72—136)



1. A plasterer's float comprising a handle, a plate mounted on said handle, a resilient pad of substantial, uniform thickness throughout having slits and undercuts in its upper portion defining integral, flexible flaps extending inwardly from the marginal portions of the pad, a plate mounted on the pad and engaged beneath the flaps, and means clamping the plates together for securing the flaps therebetween.

2,259,654
CUTTING MACHINE
Henry Earl Morton, Muskegon Heights, Mich.
Application September 21, 1939, Serial No. 295,376
12 Claims. (Cl. 29—26)



1. In a machine of the character described having a ram carrier and an elongated, hollow ram carried thereby and movable relatively thereto in the direction of the length of the ram, a tool carrier carried within and longitudinally

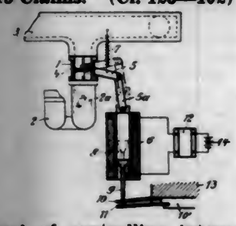
movable with the ram and having an axis of rotation, means carried by the ram carrier and projecting through an elongated opening in the ram and cooperable with said tool carrier for rotating said tool carrier about said axis, a second tool carrier carried within and reciprocable with the ram and having an axis of rotation, and means interconnecting said tool carriers for rotatably driving said second tool carrier about its axis by said first tool carrier.

2,259,655
NEEDLE AND SUCHLIKE OF KNITTING MACHINERY
James Morton, Carlisle, England
Application June 11, 1938, Serial No. 213,266
In Great Britain January 19, 1935
3 Claims. (Cl. 66—86)



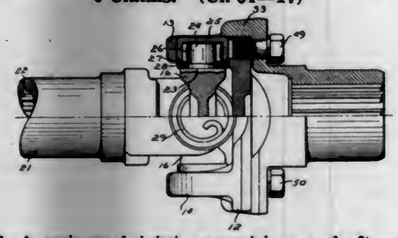
3. A support wherein are embedded the shanks of an assembly of thread-engaging parts adapted to work at high speed in a warp knitting machine in operation of which said support is subjected to alternating bending stresses, such support being a composite moulding which incorporates a phenol-formaldehyde resin and a light weight filler and which is both light in weight and highly resistant to fatigue under such stresses.

2,259,656
INTERNAL COMBUSTION ENGINE FITMENT
Willy Neumann, Rollberg, Uber Bernau, near Berlin, Germany
Application August 12, 1938, Serial No. 224,618
In Germany August 12, 1937
13 Claims. (Cl. 123—102)



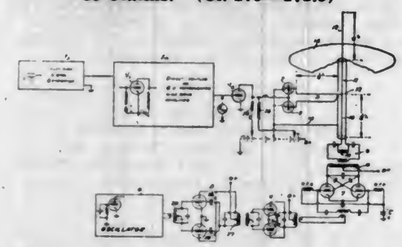
1. A method of controlling internal combustion engines independently of the speed of the engine, which consists in interrupting the operation of the engine for short intervals of time at periodic intervals.

2,259,657
UNIVERSAL JOINT
Joseph Edward Padgett, Toledo, Ohio
Application September 13, 1938, Serial No. 229,741
9 Claims. (Cl. 64—17)



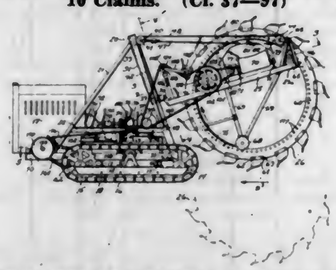
3. A universal joint comprising a shaft coupling member, a separate yoke member having eye-like openings for the oppositely disposed trunnions of a spider, recesses in said yoke member, and lugs projecting from said shaft coupling member through said recesses and overhanging said eye-like openings, whereby said lugs provide abutments to locate said trunnions in said openings.

2,259,658
MODULATING SYSTEM
William N. Parker, Philadelphia, Pa., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application June 10, 1936, Serial No. 84,534
48 Claims. (Cl. 179—171.5)



5. In an electrical system, a generator of a high frequency signal, said generator having a certain effective internal impedance, an impedance-inverter coupled to said generator for forming a high frequency signal source having an effective internal impedance substantially inversely proportional to the effective internal impedance of said generator, said impedance-inverter having a surge impedance, a load system having an impedance substantially matching said surge impedance and coupled to said high frequency signal source, variable impedance means and means responsive to a control signal for varying the effective impedance of said means, said variable impedance means being coupled to said high frequency signal source for varying the amplitude of the output signal.

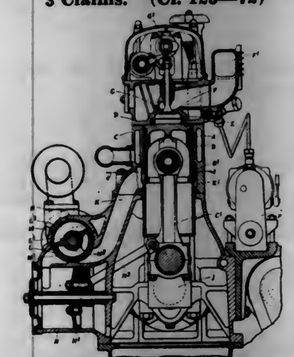
2,259,659
TRENCHING MACHINE
Vincent S. Penote, Cleveland, and Albert R. Askue, Mentor, Ohio, assignors to The Cleveland Trencher Company, Cleveland, Ohio, a corporation of Ohio
Application October 13, 1939, Serial No. 299,306
10 Claims. (Cl. 37—97)



1. In a trenching machine, a frame carried by a propelling and supporting members, a motor on said frame, driving connections between said motor and said propelling members, a guideway mounted on said frame adjacent one end thereof

and extending upwardly and inwardly from said frame, a digging mechanism, a support for said digging mechanism, one end of said support being pivotally and slidably mounted in said guideway for relatively vertical movement thereon, means acting on said end of the support and operated by said motor to raise and lower said support, and means to support the other end of said support, said last named means being arranged and adapted to raise and lower the same automatically in response to the movement of the pivoted end thereof and at a faster rate of speed.

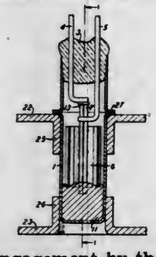
2,259,660
TWO CYCLE INTERNAL COMBUSTION ENGINE
Harry Ralph Ricardo, London, England
Application May 22, 1940, Serial No. 336,669
In Great Britain April 10, 1940
3 Claims. (Cl. 123—72)



1. In an internal combustion engine operating with compression ignition the combination of a cylinder, a combustion chamber in the head of the cylinder with a fuel injector therein into which chamber substantially the whole of the air charge is forced at the end of the compression stroke by the piston in the cylinder, an exhaust port centrally situated in the inner wall of the said combustion chamber with a poppet valve seated in this port the valve seat in this port being set in a cylindrical recess and the valve having a corresponding cylindrical part, an air pump comprising a cylinder and a piston reciprocated therein directly from the engine crankshaft, the pump cylinder being mounted on the crankshaft casing with the axis of that cylinder substantially at right angles to the axes of the working cylinder and of the crankshaft, air inlet ports in the wall of the working cylinder and controlled by the piston therein, a transfer passage between the pump cylinder and said air inlet ports with a valve in this passage adjacent to the pump cylinder, and mechanism operated by the engine crankshaft and actuating said exhaust valve and said valve in the transfer passage in timed relation with the working piston and the pump piston as set forth.

2,259,661
ELECTRICAL SWITCH
Charles E. Pollard, Hohokus, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 15, 1940, Serial No. 340,662
4 Claims. (Cl. 200—112)

1. The combination in an electric switch of a closed envelope having a pool of mercury in the bottom thereof, an armature resting on said pool, a movable contact comprising two parallel sections of conductor secured to said armature, one end of said contact being immersed in said pool and the other end constituting the contact-making surface, a stationary contact mounted in said



envelope for engagement by the contact-making surface of said movable contact, the conductor sections of said movable contact lying close together to form a capillary channel for attracting mercury from said pool to said contact-making surface, and electromagnetic means for moving said armature.

2,259,662
WOOD SURFACE SCRAPER
Julius O. Roberts, Kansas City, Mo.
Application December 11, 1939, Serial No. 308,697
2 Claims. (Cl. 30—171)

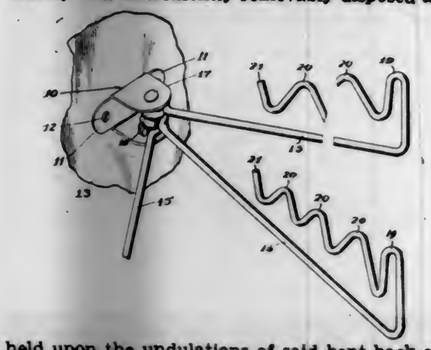


2. A scraping tool comprising a body portion constructed of a length of sheet metal material formed into a hollow handle substantially circular in cross-section, one end of the handle being curved laterally, providing a hook to be engaged by the hand of the operator, the opposite end of the body portion extending at right angles providing a stationary plate, a movable plate, said body portion having spaced openings disposed an appreciable distance from the right angled end of the body portion, fingers extending from the movable plate and disposed within the openings, the opposite edge of the movable plate cooperating with the right angled portion of the body portion in clamping a blade therebetween, and said plate being curved curving the scraping blade held between the plates, and means for securing the movable plate to the right angled portion of the body portion.

2,259,663
ARTICLE SUPPORT
Arthur Rosenthal, Chicago, Ill.
Application May 29, 1939, Serial No. 276,335
2 Claims. (Cl. 211—96)

1. In an article of the character described, a bracket adapted to be attached to a support, a single pivot pin provided on said bracket, a plurality of arms commonly and pivotally mounted on said pin whereby said arms are swingable in a plurality of spaced parallel planes, each of said arms comprising an elongated body portion provided at one end thereof with eye means effecting said pivotal mounting and having its other end provided with a bent back extension, said extension being formed with a plurality of undu-

lations, the free end of said extension being substantially spaced from the body of said arm whereby a plurality of diversified articles may be readily and conveniently removably disposed and



held upon the undulations of said bent back extension, upon said body portion, or between said body portion and said extension, or upon said body portion and bent back extension combined.

2,259,664

COLD SEALING COMPOSITION AND METHOD FOR PRODUCING THE SAME

Curt Schülein, Bopfingen-Wurttemberg, Germany, assignor to Taccalin Chemical Corporation, Long Island City, N. Y., a corporation of New York

No Drawing. Application February 4, 1938, Serial No. 188,786
In Germany December 2, 1937
2 Claims. (Cl. 106—40)

1. A cold sealing composition essentially comprising an intimate mixture of a cellulose derivative selected from the group consisting of cellulose esters and cellulose ethers, a volatile solvent for such cellulose derivative in a proportion of one to three times the quantity of the cellulose derivative, a quantity of a material selected from the group consisting of dextrine and casein which is about 10% to 30% of the quantity of the cellulose derivative, said material being at least swollen in water, a quantity of formaldehyde which is 50% to 100% of the weight of the material selected from the group consisting of dextrine and casein and a quantity of filling substances not exceeding 50% of the cellulose derivative.

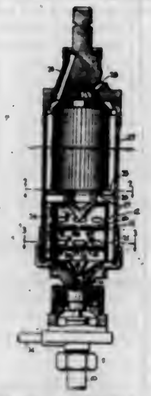
2,259,665

CENTRIFUGAL SEPARATOR

John J. Serrell, Jr., Elizabeth, N. J., assignor to The Sharples Corporation, Philadelphia, Pa., a corporation of Delaware

Application February 10, 1939, Serial No. 255,588
7 Claims. (Cl. 233—40)

1. In a centrifugal separator, the combination comprising, a centrifugal rotor including a preliminary accelerator section and a subsidence section into which fluid accelerated in said accelerator section is adapted to flow from said accelerator section, said accelerator section comprising a transversely extending, centrally perforated accelerator plate, accelerator members on said accelerator plate, a second accelerator plate spaced longitudinally from said first-mentioned accelerator plate and adapted to receive fluid insufficiently accelerated by said first-mentioned accelerator members, said second-mentioned accelerator plate having a central perforation of smaller diameter than the central perforation of said first-mentioned accelerator plate, and



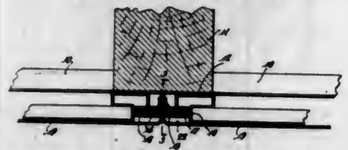
further accelerator members on said second-mentioned accelerator plate.

2,259,666

PANEL ATTACHING DEVICE

Frederick M. Small, York, Pa., assignor to Martin-Parry Corporation, York, Pa., a corporation of Delaware

Application April 8, 1939, Serial No. 266,892
8 Claims. (Cl. 189—88)



7. A device for attaching panels to a supporting structure, said device comprising, bridging members extending between frame members of the supporting structure, outwardly extending portions provided at adjacent ends of said bridging members, and means carried by adjacent outwardly extending portions for engaging said panels to secure said panels to said supporting structure.

2,259,667

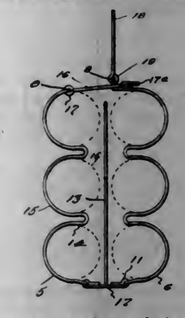
BOTTLE CARRIER

Robert P. Smith, Crawfordsville, Ind., assignor to The Hoosier Crown Corporation, Crawfordsville, Ind.

Application March 14, 1940, Serial No. 323,967
1 Claim. (Cl. 224—45)

In a bottle carrier, a pair of metallic members each including parallel portions and a connecting portion, each parallel portion bent to provide spaced semi-circular shaped bottle receiving portions, a plate having the ends of said members hinged thereto whereby said members may be swung towards and from each other to permit bottles to be placed in and removed from the semi-circular shaped portions, said metallic members when positioned in bottle carrying position bringing the semi-circular shaped portions of one member opposite to the semi-circular shaped portions of the other member for the support of the bottles horizontally and in vertically arranged rows, a handle hinged on one of said connecting members, and a U-shaped member hinged on the other connecting member to pass

over the handle for detachably connecting the metallic members against pivotal movement rela-



tive to each other, and a substantially U-shaped member fixed on said plate to lie between the rows of bottles.

2,259,668

TARNISH RESISTANT SILVER ALLOY

Jakob Spanner, Neu-Isenburg, Germany, assignor to Chemical Marketing Company Inc., New York, N. Y., a corporation of New York

No Drawing. Application October 28, 1940, Serial No. 363,210. In Germany October 27, 1939
2 Claims. (Cl. 75—173)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)

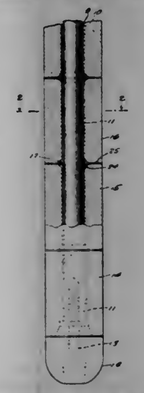
1. A tarnish-resistant silver alloy comprising 25% to 60% silver, 10% to 50% of palladium, 10% to 40% of cadmium, 5% to 30% of copper and 0.1% to 10% of a precious metal selected from the group consisting of gold and platinum, said silver, palladium, cadmium, copper and precious metal constituting substantially all of the alloy.

2,259,669

NOZZLE STOPPER

Ralph L. Swank, Johnstown, Pa.

Application July 18, 1941, Serial No. 402,899
2 Claims. (Cl. 22—85)



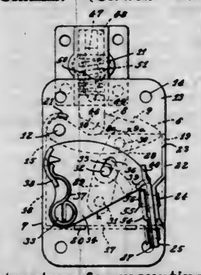
1. In a nozzle stopper for ladles, the combination with a rod, of a series of perforated sections of baked refractory material covering said rod, each of said sections having indentures centrally positioned at each end thereof, and plastic refractory material filling the cavities between adjacent sections provided by such indentures.

2,259,670

AUTOMOBILE DOOR LATCH MECHANISM

Harold E. Van Voorhees, Detroit, Mich.

Application November 16, 1938, Serial No. 240,752
4 Claims. (Cl. 292—122)



1. A latch structure for mounting on a door to cooperate with a keeper on a door pillar comprising a mounting plate for attachment vertically to the edge of a door in substantially parallel relation to the door pillar, a latch bolt pivotally mounted at one end on one side of the plate for swinging movement toward and away from latching position in a plane parallel to the plate, a pair of toggle links having a pivot pin interconnecting the same, one of said links being pivotally mounted at its remote end with respect to the plate and the other being pivotally connected at its remote end to the latch bolt, said plate having a slot provided therein struck on an arc with the first link's pivot as a center, the aforesaid pivot pin extending through and movable lengthwise of the slot, spring pressed means for urging said pivot pin to move to one end of the slot to maintain the links in extended relation supporting the latch bolt rigidly in latching position, and manually operable means having connection with the pivot pin and operable on the other side of the plate from the latch bolt and links to move the pivot pin toward the other end of the slot against the spring action of said last mentioned means whereby to retract the bolt from latching position.

2,259,671

UNIFORMLY HALOGENATED POLYMERS AND METHOD OF PREPARING SAME

Vanderveer Voorhees, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

No Drawing. Application September 22, 1937, Serial No. 165,153
5 Claims. (Cl. 260—94)

2. In the process of producing a high molecular weight halogen-containing polymer of isobutylene, the steps which comprise saturating a chlorinated isobutylene monomer with an active metal halide polymerization catalyst and polymerizing the chlorinated isobutylene at a low temperature of about —80° F., whereby a uniformly chlorinated polymer of said isobutylene is produced.

2,259,672

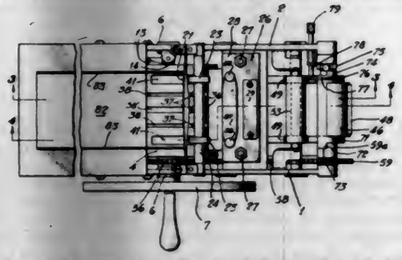
PNEUMATIC FEEDING DEVICE FOR PRINTING PRESSES, CHECK CANCELERS, AND THE LIKE

John A. Waller, Beverly Hills, Calif., assignor to Charles P. Mee, Los Angeles, Calif.

Application November 12, 1940, Serial No. 365,295
14 Claims. (Cl. 271—29)

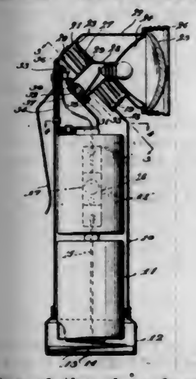
1. In combination with guide means adapted to receive in stacked relation a plurality of sheets on which a feeding operation is to be performed,

said guide means being adapted to receive such stacked plurality of sheets in such relation that a terminal sheet of such stacked plurality is exposed over a portion of its area, a pneumatic feeding device which comprises: frame means; a cylindrical drum member mounted for rotation on said frame means in close peripheral proximity to such terminal sheet at such exposed area; an axially reciprocable piston member constrained to rotate with and slidably mounted within said drum member and defining therewith a suction chamber; means defining a fluid passage communicating with said suction chamber



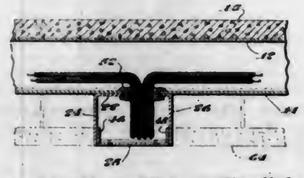
and opening through the periphery of said drum member at one circumferential position; and means for effecting axial reciprocation of said piston member to produce a suction stroke upon rotation of said drum member through a portion of a revolution thereof in one direction, said means including cooperating cam means on said piston member and said frame means, the angular relation of said cam means with respect to each other and to said one circumferential position being such as to cause the peripheral opening of said fluid passage to be located at least closely adjacent said exposed portion of said terminal sheet when said suction stroke is initiated.

2,259,673
COMBINATION HUNTING LIGHT AND FLASHLIGHT
Ralph M. White, Morgantown, W. Va.
Application August 28, 1940, Serial No. 354,617
5 Claims. (Cl. 240—10.67)



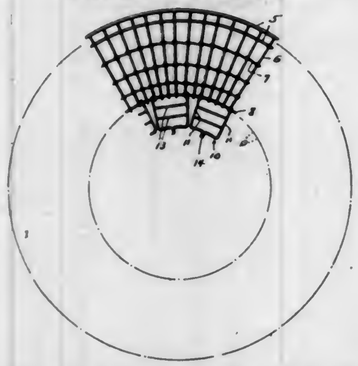
1. In a device of the class described, a battery case, a bulb case, a diagonally disposed threaded connection therebetween for angular adjustment thereof, a resilient means tending to push said cases apart to cause tightness of the threaded connection, a bulb socket in the bulb case and a housing integral therewith, a base on the housing, contact means extending through the base and contacting the bulb, and brush means in the battery case contacting the contact means and the housing.

2,259,674
WIRING CONDUIT AND WIRE DISTRIBUTION SYSTEM
Joseph W. Wiesmann, Pittsburgh, Pa., assignor to H. H. Robertson Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application January 13, 1939, Serial No. 250,699
2 Claims. (Cl. 189—34)



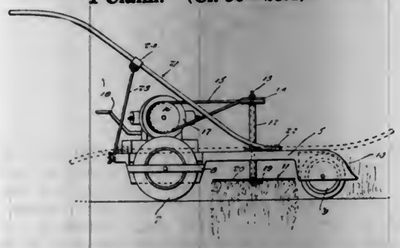
1. The combination with a multicellular floor having longitudinally extended cells forming potential wiring ducts, of a cross-over duct extending transversely of said cells comprising an elongated hollow member having an upper wall adjacent the underside of said floor, side walls, and a cover member enclosing the bottom of the duct, a frame member having a plurality of cross members to which said cover member is affixed, said upper wall having a plurality of prefabricated pilots spaced in alignment with selected of said longitudinally extended cells and designed to facilitate the completion of an opening through the duct and into said selected cells, said cross members being spaced between said pilots and in alignment with other cells to serve as barriers to prevent entrance into said other cells.

2,259,675
HIGH PRESSURE PNEUMATIC TUBE TESTER
Joseph E. Wigington, Richmond, Va.
Application July 24, 1940, Serial No. 347,277
1 Claim. (Cl. 73—51)



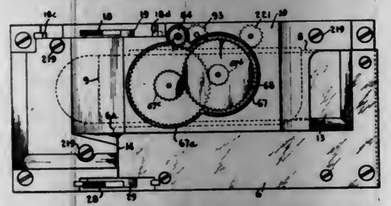
A pneumatic tube tester comprising an annular basket-like structure open circumferentially at its innermost side portion, said basket-like structure being provided with circumferentially extending rods at the edge portions of its open side portion, a plurality of detents mounted on the rods, each of the said detents consisting of a U-shaped frame having its legs provided with eyes for receiving one of the rods, members bridging the leg portions of each detent, and a spring hook on the bight portion of each of the detent frames for engagement with the complementary rod in holding the detent in position bridging the gap between the rods, said detents being placed close together with their legs extending transversely across the inner circumference of the tube being tested and the bridging members extending circumferentially over said part of the tube.

2,259,676
LAWN MOWER
Lawrence J. Winchell, Fort Scott, Kans.
Application May 31, 1940, Serial No. 338,277
1 Claim. (Cl. 56—25.4)



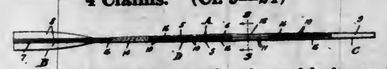
In a lawn mower, a substantially rectangular shaped platform having slotted portions at opposite edges and adjacent one end thereof, rear wheels journaled on the platform and located in the slotted portions to permit walls of said portions to form guards for said wheels, a rotary cutter journaled on the platform forwardly of said wheels, power means connected to said cutter and supported by said platform, a handle connected to the platform, depending walls formed on the platform at opposite corners thereof and extending downwardly and forwardly of one edge of said platform to connect the walls in pairs and to provide guards for directing grass to the cutter, and front wheels located partly within the pairs of depending walls and journaled thereon.

2,259,677
ELAPSED TIME RECORDING DEVICE
Henry Abbott, East Orange, and William C. Moodie, Montclair, N. J., assignors to The Calculagraph Company, New York, N. Y., a corporation of New Jersey
Application January 14, 1939, Serial No. 250,872
2 Claims. (Cl. 234—54)



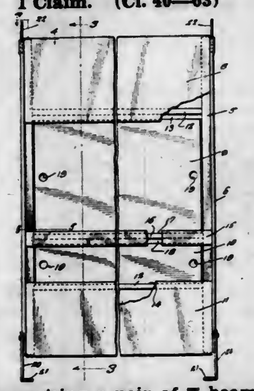
1. In combination, an inking ribbon, a printing dial on one side of said ribbon, means for operating said dial, a printing platen on the other side of said ribbon and spaced therefrom for the insertion of a ticket between the ribbon and the platen, means for pressing said dial against the ribbon, and a ticket plate having a cut-out in alignment with the ribbon and a raised portion along said cut-out gradually to lift the ticket towards the platen as it is slid on the ticket plate into the space between the ribbon and the platen.

2,259,678
OAR
Walter G. Bolton, Foxboro, Mass.
Application May 27, 1940, Serial No. 337,517
4 Claims. (Cl. 9—24)



1. An oar including a shank, a blade and a handle, comprising spaced side strips and a strip intermediate said side strips and spaced therefrom, the side strips being carried into the blade and handle, a filler at the handle end between the side strips and meeting the intermediate strip, bulk-heads between the intermediate and side strips throughout their length, and upper and lower facing strips secured to the intermediate and side strips from the blade throughout the handle.

2,259,679
SIGN
Edward V. Carter, Huntington, W. Va.
Application June 27, 1940, Serial No. 342,786
1 Claim. (Cl. 40—63)

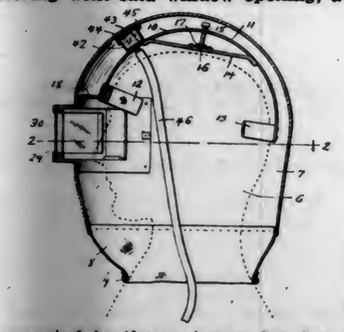


A sign comprising a pair of T-beams, a channeled member horizontally disposed between the T-beams, a sign plate interposed between the T-beams and having its lower edge disposed into the channel of the channeled member, a second sign plate consisting of a front wall and a back wall, said walls being spaced and adapted to overlap the internal opposed flanges of the T-beams, a strip interposed between the front and rear walls adjacent the lower edge thereof to define a channel in the lower portion of the second mentioned sign member to receive the upper edge portion of the first mentioned sign plate.

2,259,680
WORKMAN'S PROTECTIVE HOOD
William S. Caudell, Toccoa, Ga.
Application May 21, 1940, Serial No. 336,425
12 Claims. (Cl. 2—8)

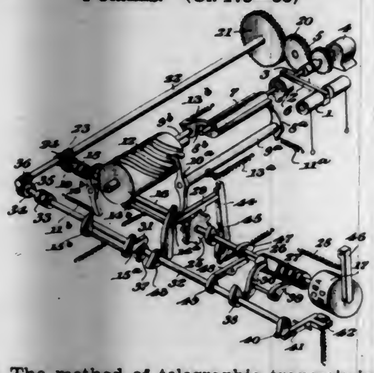
1. A hood of the class described comprising a flexible head enclosing member having a window opening therein, a rigid frame detachably secured in position to the edges of said opening inwardly of the hood, head clamping means secured to said frame, a casing attached to the

outside of the frame and having a front opening therein spaced forwardly of the frame and registering with said window opening, a double



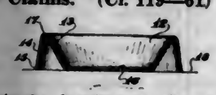
reel mounted in the casing and a transparent web attached to said reel for movement across the opening in said casing.

2,259,681
SIGNAL TRANSMISSION DEVICE
Claude Jean Clayette, Paris, France
Application February 23, 1939, Serial No. 258,090
4 Claims. (Cl. 178—35)



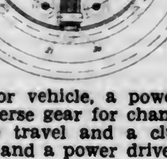
1. The method of telegraphic transmission of coordinates corresponding to signs in accordance to a code, which comprises, transmitting first by means of electric signals the smaller of the two coordinates, and producing, at the receiving station a simultaneous increase of both of the two coordinates of a marking means, corresponding to the value of said smaller coordinate, transmitting by electric signals the difference between the two coordinates in question, and producing, at the receiving station, an increase of the corresponding coordinate proportional to this difference.

2,259,682
RECEPTACLE
James Kenney Collins, Wickliffe, Ohio
Application July 6, 1940, Serial No. 344,292
7 Claims. (Cl. 119—61)



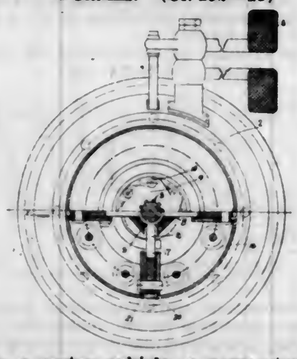
7. A receptacle having a depending flange flared outwardly and downwardly from the wall of the receptacle, said flange being resiliently yieldable and being normally engageable with the surface supporting the receptacle along a circular line, said flange resiliently yielding to sideward pressure of the receptacle against said surface and forming a substantially vertical wall disposed along a chord to said circular line, the vertical wall bracing said receptacle against movement relative to said surface.

2,259,683
FINGER GUARD FOR SEWING MACHINES
Frank Damiano, Newburgh, N. Y.
Application April 16, 1940, Serial No. 329,975
1 Claim. (Cl. 112—261)



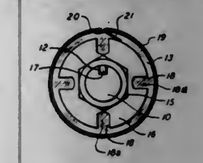
In a finger guard for a sewing machine needle, a supporting arm having a compound curvature and an arcuately curved end portion and a second end portion of a hinge barrel shape, a strip secured to said arm and including right angularly disposed end portions and one of said end portions coacting with a portion of the arm and the arcuately curved end portion of said arm in forming a guard rim of substantially U shape, a guard construction open at one side formed on and depending from the guard rim, and an adjustable attaching clamp for application to a presser foot stem of a sewing machine and includes a hinged pin extending through the hinge barrel shaped end of said arm, one of said right angularly disposed end portions of said strip engageable with the presser foot stem to releasably secure the guard construction in operative position with relation to the path of movement of a needle of the sewing machine.

2,259,684
ONE-WAY BRAKE ARRANGEMENT IN MOTOR DRIVEN VEHICLES
Haakon Ellingsen, Skien, Norway
Application February 20, 1940, Serial No. 319,968
In Norway February 21, 1939
4 Claims. (Cl. 192—13)



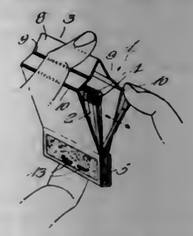
1. In a motor vehicle, a power transmission including a reverse gear for changing the direction of vehicle travel and a clutch connected with said gear and a power driven shaft having uni-directional movement, a one-way coupling connected with said shaft, a releasable frictional coupling for connecting said one-way coupling to the vehicle frame, means for manually controlling the clutch and the connection between said manually controlled means and said friction coupling for releasing the latter and rendering said one-way coupling ineffective.

2,259,685
ABRADING DEVICE
Henry F. Elsloo, Tulsa, Okla., assignor of one-third to William C. Graves, and one-third to Thomas W. Oder, both of Tulsa, Okla.
Application February 1, 1941, Serial No. 377,028
4 Claims. (Cl. 51—194)



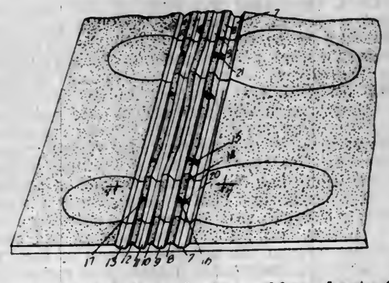
1. An abrading device comprising, a rotatable shaft, a cylindrical mandrel constructed of a resilient plastic material mounted on said shaft and locked against rotation relative thereto, relatively adjustable compression means mounted on said shaft to press the ends of said mandrel together to cause uniform radial expansion thereof, an abrasive band wrapped around the periphery of said mandrel, and means on said mandrel for attaching one end only of said abrasive band to the surface of the mandrel, the other end of said abrasive band being free and extending in a direction opposite to the normal rotational direction of the device.

2,259,686
MATCH BOOK OR PACKET
Joseph J. Eyer, Wilmington, Del.
Application June 16, 1939, Serial No. 279,546
3 Claims. (Cl. 206—29)



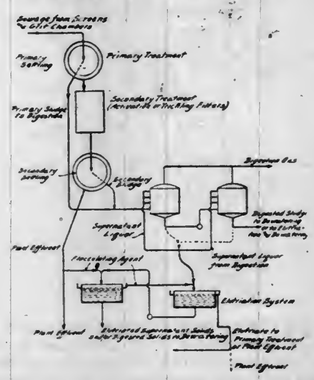
1. In a safety match book structure, a match base, matches carried thereby, and an open-ended cover of resilient sheet material extending about the base and matches to provide substantially flat sides of substantially equal length and an inverted U-shaped hood, said sides being fixed at their lower ends to the base and normally held by their resiliency in contact with the sides of the matches to maintain the open ends of the cover in contracted condition, and said hood being arranged to overhang the headed ends of the matches and extending continuously and uninterruptedly between and connecting the upper ends of the sides with each other and forming a permanently closed cover top preventing access to and extrusion or other exposure of the match heads at the top of the book, the length of the sides and depth of the hood being such as to space the crown of the hood from the match heads a distance permitting a sufficient range of movement of the crown under pressure thereon toward the match heads to spread the sides apart on diverging lines from their fixed ends upward to widen the open ends of the cover whereby to admit insertion of a thumb and forefinger of the hand through one of the widened open ends into the cover for the extraction of a match from any point in the stack.

2,259,687
PROCESS FOR MAKING ORTHOPEDIC FOOTWEAR
Arthur Fisch, Guelph, Ontario, Canada
Application May 10, 1940, Serial No. 334,314
5 Claims. (Cl. 12—146)



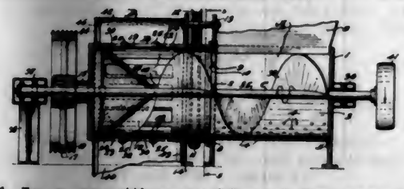
1. A process of producing rubber sheets from which arch supports may be cut comprising, forming a continuous sheet from a mass of uncured rubber and concurrently forming longitudinally thereof a plurality of grooves in a region intermediate the marginal regions and intermediate each groove a continuous ridge of regularly varying maximum and minimum height.

2,259,688
SEWAGE TREATMENT PROCESS
Albert L. Genter, Baltimore, Md.
Application March 8, 1939, Serial No. 260,654
12 Claims. (Cl. 210—2)



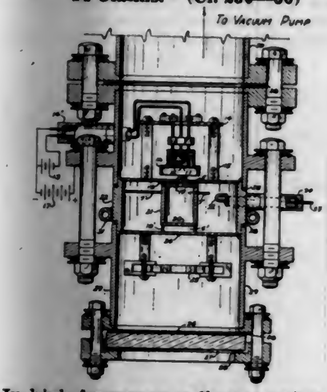
9. In a sewage treatment system having sludge digestion, the steps of withdrawing the supernatant digestion liquor, elutriating the solids suspended in said liquor, returning the supernatant liquor to primary settling, settling the solids and dewatering the sludge.

2,259,689
APPARATUS FOR COSSETTING ROOTS AND THE LIKE
Walter H. Hanni, Spanish Fork, Utah, and John W. McFarland, Sugar City, Idaho, assignors to Utah-Idaho Sugar Company, Salt Lake City, Utah, a corporation of Utah
Application November 13, 1940, Serial No. 365,544
5 Claims. (Cl. 146—90)



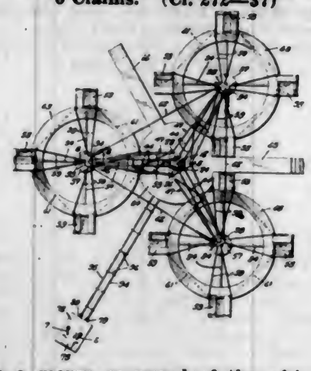
1. In a cossetting machine of the class described, a feeding hopper for receiving beet roots or the like to be cossetted having a perforated bottom and open at one end for discharging the roots therefrom, a rotary cossetting cylinder having longitudinal openings in its peripheral wall, cossetting means disposed in said openings, comprising a removable frame having cossetting knives removably disposed in said frame, means for feeding the roots from the feeding hopper into and along the cossetting cylinder in contact with said cossetting means comprising a worm extending through said hopper and cylinder having a conical end portion for moving the roots outwardly toward the peripheral wall of the cylinder and said cossetting means, and means for rotating the worm.

2,259,690
HIGH FREQUENCY RADIO APPARATUS
William W. Hansen, Russell H. Varian, and John R. Woodyard, Stanford University, Calif., assignors to The Board of Trustees of The Leland Stanford Junior University, Stanford University, Calif.
Application April 20, 1939, Serial No. 268,898
14 Claims. (Cl. 250—36)



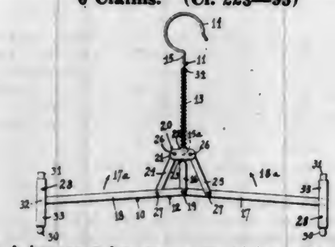
1. In high frequency radio apparatus, a hollow electrically conducting body arranged to contain standing electromagnetic waves, means for producing an electron beam and for projecting the same into said body, said beam supplying energy toward maintaining the standing electromagnetic waves therein, said body having means contained therein arranged so that different portions of the interior of said body are adapted to contain electric field portions of differing intensities, the beam being projected initially through an electric field portion of relatively low intensity to effect velocity grouping of the beam and finally through an electric field portion of relatively high intensity to effect energy absorption from the beam.

2,259,691
MERRY-GO-ROUND
Richard H. Harris, Hapeville, Ga.
Application November 25, 1940, Serial No. 367,119
8 Claims. (Cl. 272—37)



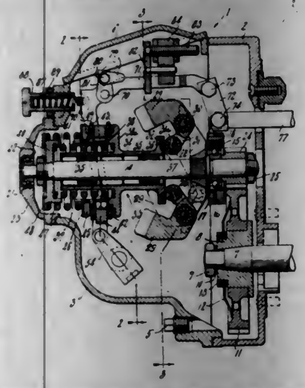
1. In a merry go round of the whip type, a stationary center pole, a tube loose on the pole, means having antifriction connection with the top of the pole suspending the tube on the pole, a plurality of seat unit shafts spaced equi-distant laterally of the pole, means having antifriction connection with the top of the shafts suspending the shafts from the tube for planetary movement in upright position around the pole, means connecting the seat unit shafts at the bottom to the tube, a plurality of seats in each unit spaced at an angular distance of about 90° apart supported from the bottom of the respective seat unit shaft, the seats being movable in a circular path around the seat unit shaft when the shaft is rotated axially, means for rotating the seat unit shafts as a unit at various selected forward and reverse speeds, and means for rotating the tube at various forward and reverse speeds.

2,259,692
AUTOMATIC SELF-ADJUSTING TROUSERS HANGER AND CREASER
Emery Hegedus, New York, N. Y.
Application February 19, 1940, Serial No. 319,625
6 Claims. (Cl. 223—95)



1. A trousers hanger, comprising a hook member proper whereby to suspend the trousers from an appropriate element, as usual, an element slidable on said hook, opposingly pointing arms pivoted at the lower end of said hook, link members between said arms and said sliding element, a spring member on said hook exerting a downward pressure on said sliding element and causing said arms to swing outwardly through the action of said link members, the ends of the arms being adapted to engage the insides of the open ends of the trousers.

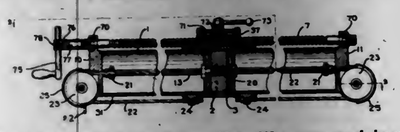
2,259,693
FUEL GOVERNOR FOR INTERNAL COMBUSTION ENGINES
Hans Hogeman, Springfield, Mass., assignor to American Bosch Corporation, Springfield, Mass., a corporation of New York
Application December 1, 1939, Serial No. 307,058
11 Claims. (Cl. 264—4)



1. A speed regulator including a governor, a lever acted upon by said governor at a point intermediate its length, a fuel control member connected to said lever adjacent one end thereof, a member adapted to stop movement of said fuel control member at normal full load position thereof, and a yieldable pivot for said lever arranged adjacent the opposite end of said lever.

6. A speed regulator for controlling the fuel supply to an internal combustion engine including a speed responsive device, a lever acted upon by said speed responsive device at a point intermediate its length, a pivot about which said lever rotates during periods of normal engine load, a stop member associated with a portion of said lever spaced from said pivot and about which said lever moves during periods of overload, and a fuel control member operable by said lever, said pivot and control member being associated with said lever on opposite sides of said point.

2,259,694
DIAMOND DRILL FEED CONTROL
Henry S. Hoffar, Vancouver, British Columbia, Canada, assignor to International Multifeed Drills, Ltd., Vancouver, British Columbia, Canada, a corporation of British Columbia
Application July 12, 1939, Serial No. 284,067
6 Claims. (Cl. 255—46)

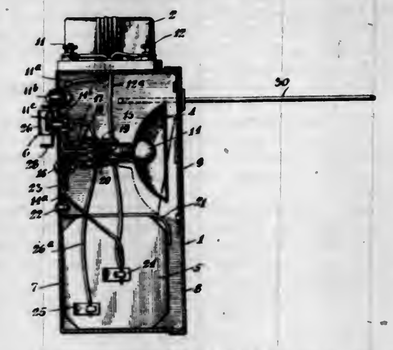


1. A diamond drill or the like comprising a coupling for connection to the drill rod, a slide carrying said coupling, a closed cylinder disposed parallel to the drill rod and constituting a parallel guide for said slide, a piston slidable lengthwise within the cylinder, means to supply a pressure fluid within the cylinder to accomplish such movement of the piston, a sheave at each end of the cylinder, a cable, suitably packed at the cylinder heads, anchored to the piston and to the slide, and extending over the sheaves, to transmit lengthwise movement of the piston to the slide, coupling, and drill rod, a screw and nut extending parallel to the cylinder, and operatively connecting the cylinder and the slide, and means effecting vibration of the assembly during fluid feed, thereby to regulate the feed rate automatically through the screw and nut.

2,259,695
PREPARATION OF SULPHUR AND CHLORINE CONTAINING POLYMERS
Carl Max Hull, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application September 13, 1940, Serial No. 356,703
9 Claims. (Cl. 260—125)

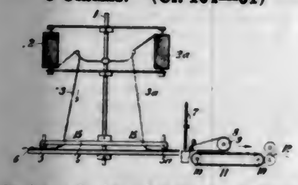
1. The method of preparing an olefin polymer derivative having chemically combined therein halogen and sulphur comprising successively halogenating and sulphurizing said olefin polymer.

2,259,696
BURGLAR ALARM
Clarence P. Hulst, New York, N. Y.
Application January 4, 1939, Serial No. 249,224
5 Claims. (Cl. 177—314)



3. In a burglar alarm, the combination of a housing, electrical signaling means mounted on said housing, a battery within said housing, a switch mounted on one side of said housing, means including the switch for connecting said signaling means to said battery, and means secured to said housing adapted to close said switch to operate said electrical signaling means when said device is toppled over on said switch, and a movable bail mounted on said device adjacent the upper part thereof for carrying the same and adapted to be fixed in a position substantially at right angles to the normal position of said device so that the device may be placed beside a door and the door, when opened, will engage said bail to tilt said device about the lower part thereof and topple it over and operate said signal, and means on said housing for maintaining the bail in either said carrying or said right angle position.

2,259,697
APPARATUS FOR MAKING CONTINUOUS SLIVER OF RAYON STAPLE FIBERS
Kurt Jehle, Dessau, and Karl Schmauder, Bitterfeld, Germany, assignors, by mesne assignments, to Walther H. Duisberg, New York, N. Y.
Application September 3, 1938, Serial No. 228,266
In Great Britain October 20, 1937
8 Claims. (Cl. 164—61)



1. A device of the character described comprising in combination, a number of lap-rods rotatably mounted on a frame, bundles of continuous filaments on said lap-rods, a rotatable axle carrying said frame, two discs mounted on said axle, the upper disc comprising a series of perforations adapted to permit said bundles of continuous filaments to be withdrawn therethrough, means for continuously withdrawing a tuft of fibers from said bundles of filaments on said lower disc, means for cutting said tuft of fibers, and means for removing the cut tufts of fibers in the form of a continuous sliver without disturbing the parallel arrangement of the individual fibers.

2,259,698
PHYSIOLOGICALLY EFFECTIVE SUBSTANCE AND PROCESS OF PREPARING SAME
Fritz Johannessohn, Mannheim-Feudenheim, and Hans Hatzig, Mannheim-Waldhof, Germany, assignors to Rare Chemicals, Inc., Nepera Park, N. Y., a corporation of New York
No Drawing. Application May 6, 1939, Serial No. 272,150. In Germany May 7, 1938
23 Claims. (Cl. 260—397.5)

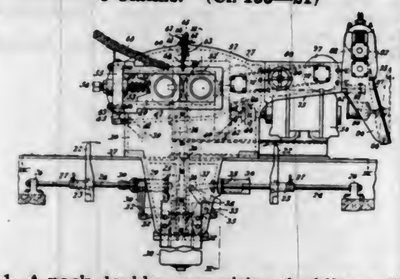
1. Process of preparing primary alcohols with physiological activity consisting in separating the carboxylic acids, which arise on oxidation of compounds with the cyclopentano hydrophenanthrene skeleton and a side chain in position 17 of this skeleton, from the mixture of the oxidation products by saponifying their acetyl compounds and transforming their esters to primary alcohols by reduction.

2,259,699
LENS CLEANER
Conrad N. Larson, San Francisco, Calif.
Application October 4, 1939, Serial No. 297,839
3 Claims. (Cl. 15—214)



1. A device for cleaning lenses comprising a U-shaped member terminating in a pair of substantially parallel flexible arms movable to or away from each other, a clamping clip at the end of each arm, and a flexible rubber wiper blade secured in each clip, said blades being disposed at right angles to the arms and directed toward each other to permit the ends of the rubber blades to engage the opposite faces of the lens to be cleaned, and said blades being curved at the ends to conform to the curvature of the lens faces.

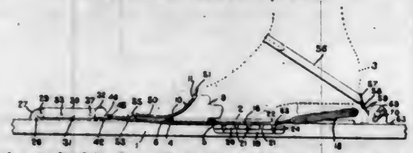
2,259,700
APPARATUS FOR DOUBLING PACKS
Roy J. Leckrone, Pittsburgh, Pa., assignor to Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey
Application June 21, 1939, Serial No. 280,327
8 Claims. (Cl. 153—21)



1. A pack doubler comprising doubling rolls, a folding blade movable toward and from said rolls, and means on the exit side of the rolls for deflecting the leading edge of alternate emerging packs in different directions from their path between the rolls, a delivery conveyor positioned to receive packs deflected in one direction from said path, and means positioned to receive packs deflected in another direction and effective to discharge them onto said delivery conveyor in reverse position to those discharged direct to the conveyor.

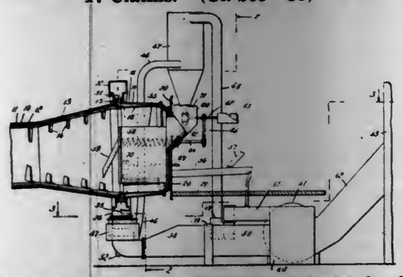
8. A pack doubler comprising a pair of flattening rolls, a pair of relatively widely spaced bending rolls on the entering side of the flattening rolls, a blade adapted to engage a pack and to pass between the bending rolls and deliver the bent pack to the bite of the flattening rolls, and means for reciprocating said blade between a position on the entry side of the bending rolls to the aforesaid position where it delivers the bent packs into the bite of the flattening rolls.

2,259,701
BINDER MECHANISM FOR SKIS
Victor E. Legros, Fitchburg, Mass.
Application April 23, 1940, Serial No. 331,076
4 Claims. (Cl. 280—11.35)



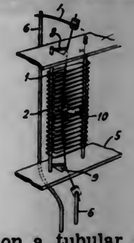
1. A ski binding, for releasably securing a boot to a ski, having a metal toe hold, a cable having a loop located in front of said toe hold and resilient means connected to the ends of said cable embracing the heel of the boot, means for releasably applying tension to said cable comprising a channel-shaped casing mounted in front of said loop, a slide mounted in said casing, means for guiding said slide longitudinally thereof, means connecting said slide to the loop of said cable, toggle mechanism connecting said slide to said casing including a link pivotally mounted at one end on said casing, and an inverted channel-shaped lever fulcrumed intermediate of its length upon the other end of said link with the parallel side walls of the channel outside of and pivotally connected at their ends to said slide operable when the lever is forced downwardly to locked position move said slide forward and thereby impose tension upon said cable with the channel-shaped lever when in locked position enclosing the top of the channel-shaped casing, thereby providing a streamline construction which will prevent accumulation of snow and ice in the casing.

2,259,702
PREHEATING APPARATUS
Povl T. Lindhard, Rumson, N. J., assignor to F. L. Smidth & Co., New York, N. Y., a corporation of New Jersey
Application July 16, 1940, Serial No. 345,722
17 Claims. (Cl. 263—33)



1. Apparatus for preheating material by hot gases, which comprises a traveling grate, means for depositing the material in a layer on the grate, means for passing hot gases through the layer in two streams, the first of which flows through the layer near the place of deposition thereof and the other of which flows through the remainder of the layer, the gases in the first stream carrying along material that has passed through the grate, means for separating the material from the gases in the first stream, means for removing the preheated material from the grate, and means for combining the separated material with that removed from the grate.

2,259,703
FILAMENTARY CATHODE SUPPORT
Charles T. Miller, Newark, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 7, 1940, Serial No. 355,741
2 Claims. (Cl. 250—27.5)

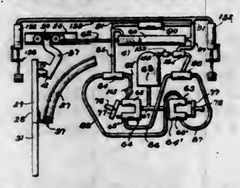


1. In combination a tubular grid with a side rod and a plurality of turns of wire attached to the side rod, a filament extending axially of the grid turns, a damper bar for steadying the filament comprising an insulated rod attached to the side rod and extending transversely across the center of the grid intermediate the ends of the grid and bearing along one of its straight sides against said filament.

2,259,704
PROCESS FOR RESOLVING PETROLEUM EMULSIONS
Louis T. Monson, Alhambra, and William Wallace Anderson, Montebello, Calif., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application May 12, 1941, Serial No. 393,132
9 Claims. (Cl. 252—336)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifying agent comprising a mixture of: (A) an acylated amino-ether containing: (*a*) a radical derived from a basic hydroxyamino-ether, and said radical being of the kind containing at least one amino nitrogen free from attached aryl and amido-linked acyl radicals; said hydroxyamino-ether radical being further characterized by the presence of at least one radical derived from a basic hydroxyamine and being attached by at least one ether linkage to at least one radical selected from the class consisting of glycerol radicals, polyglycerol radicals, polyglycol radicals, basic hydroxyamine radicals, amido hydroxyamine radicals, and aryl alkanolamine radicals; said basic hydroxyamino-ether radical being characterized by containing not over 60 carbon atoms; and (*b*) an acyl radical derived from a detergent-forming monocarboxy acid having at least 8 carbon atoms and not more than 32 carbon atoms; said acylated amino-ether being additionally characterized by the fact that said aforementioned acyl radical is a substituent for a hydrogen atom of an alcoholic hydroxyl radical; (B) a blow fatty oil; and (C) a sulfonated fatty body substantially neutral to methyl orange indicator; the proportions of A, B and C, respectively, constituting not less than 10% each and not more than 80% each of the total active matter of said reagent.

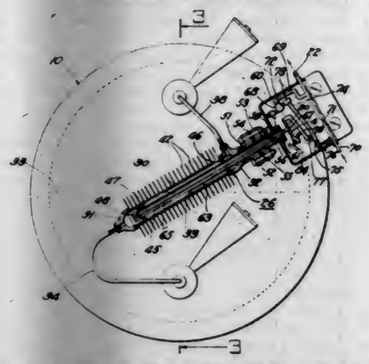
2,259,705
FLUID OPERATED CLOSURE SYSTEM
Claude W. Ritchie, Bealeton, Va.
Application June 1, 1939, Serial No. 276,922
8 Claims. (Cl. 268—58)



1. A closure of the character described consisting of a closure body having a normal vertical closed position and movable at one part in a substantially horizontal direction to an open position, means to support and guide the opposite portions of the body for movement thereof toward the initial position and path of the first named part, means to move the said one part comprising a draft and including a carriage member movable generally in the direction of movement of said one part of the closure, and located initially a distance laterally from the body, a lever pivoted thereon projected before the body and pivoted on an axis fixed with and spaced from the body, said lever having an operating bill projected beyond the last named pivot, spring loaded bolt means to secure the door in closed position, means to draw the bolts including a member movable in line with said

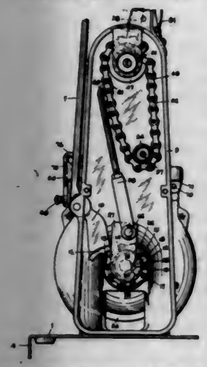
bill and normally positioned near the bill and movable in a direction for operation by said bill to draw the bolts.

2,259,706
LIQUID LEVEL CONTROLLING AND INDICATING MECHANISM
William R. Ryan, Alpine, N. J.
Application January 18, 1940, Serial No. 314,570
8 Claims. (Cl. 122—451.1)



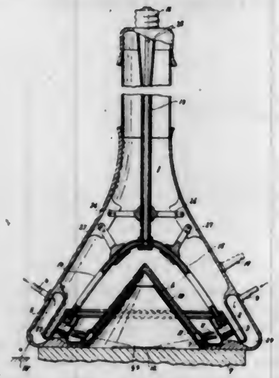
1. In a liquid level responsive device for a vapor generator, the combination with a fluid pressure actuated member to be governed by said device, of a fluid pressure system in operative connection with said member and a source of fluid under pressure for said system, a pilot valve for governing the pressure in said system, a casing, means for connecting the interior of said casing to said vapor generator at points above and below the level of liquid therein, a tubular thermostatic expansion member in said casing partly submerged in said liquid having an open end rigidly attached to said casing and a closed end free to move in relation thereto, and means associated with the closed end of said tubular member for controlling said pilot valve.

2,259,707
BUNDLE-TIER MACHINE
Albert H. Saxton, Blissfield, Mich., assignor to National Bundle Tyer Company, Blissfield, Mich., a corporation of Michigan
Application December 26, 1939, Serial No. 310,864
4 Claims. (Cl. 100—31)



1. In a bundle-tier machine, a needle, a knotter, and a cutter; a rotatable member for oscillating the needle and operating the cutter and the knotter; an oscillatable member for engaging and actuating the rotatable member to rotate the member, the oscillatable member having means for disengaging the rotatable member from the oscillatable member upon completion of a part of its rotation; and a spring tensioned by the rotation of the oscillatable member for completing the rotation of the rotatable member.

2,259,708
TESTING MATERIALS BY X-RAY
Ernst Schiebold, Leipzig, Germany
Application March 9, 1939, Serial No. 260,818
In Germany June 14, 1937
13 Claims. (Cl. 250—53)



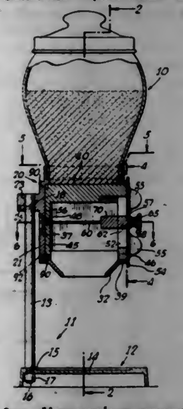
1. A method of producing a record indicative of the structure of and the stresses in a material to be tested, comprising irradiating a limited area on said material from all sides by X-ray beams, so that said beams form the uninterrupted surface of a cone having its apex substantially in said area, and intercepting the secondary beams issuing from the irradiated area by a photo-sensitive means extended over said area, so that said secondary beams produce a record upon said means.

2,259,709
NONSINKABLE BATHING SUIT
Albert L. Sommers and Robert Block, Newburgh, N. Y., assignors to Non-Sinkable Bathing Suit Corporation of America
Application July 17, 1939, Serial No. 284,968
3 Claims. (Cl. 9—20)



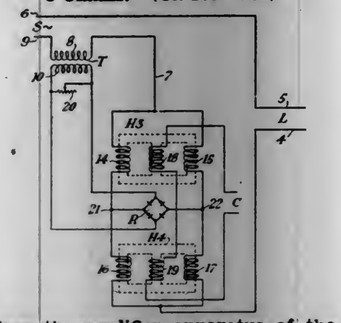
1. A non-sinkable bathing suit, comprising a suit formed with pockets, and buoyant means in said pockets formed of Pina Deseta.

2,259,710
COFFEE DISPENSER
Charles Stern, Jersey City, N. J.
Application August 18, 1939, Serial No. 290,776
10 Claims. (Cl. 221—107)



1. A device for dispensing granulated material comprising a member having an inlet at the top, and an outlet at the bottom, and being open at the front, a box insertable into said member through the open front thereof and being rotatably mounted therein, said box being open at one side, and having a chamber adapted to register with said inlet in one angular position of said box to receive granulated material passing through said inlet, and said box having a front wall closing the open front of said member, and being rotatable to a position in which said chamber registers with said outlet so that the material in said chamber will pour through said outlet, a plate in said box forming a bottom for said chamber, and means on said front wall to fix said plate in a plurality of adjusted positions.

2,259,711
ALTERNATING ELECTRIC CURRENT CONTROL APPARATUS
Sydney Arthur Stevens and Alec Hervey Bennett Walker, London, England, assignors, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application December 4, 1940, Serial No. 368,498
In Great Britain October 23, 1939
3 Claims. (Cl. 179—171)



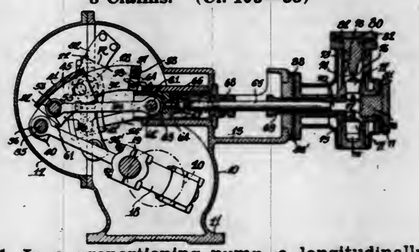
1. Magnetic amplifier apparatus of the kind described comprising in combination with a source of alternating current and a load supplied with current from said source, a saturable magnetic core having a pair of reactance windings connected in parallel with one another and included in the load circuit, a saturation control winding on said core, means for energizing said saturation control winding to increase the saturation of said magnetic core and thereby increase the current supplied to said load from said source, a current transformer having its input winding included in said load circuit, and means including a rectifier for supplying unidirectional current from the output winding of said transformer to said reactance windings, whereby when the load current is increased the saturation of said magnetic core is further increased to provide regenerative operation of said magnetic amplifier apparatus.

2,259,712
BED WARMING MEANS
Ernest J. Sweetland, Piedmont, Calif.
Application April 11, 1939, Serial No. 267,300
3 Claims. (Cl. 219—39)



1. Bed warming means comprising a substantially cylindrical cushion; a helical spring extending longitudinally through said cushion to form a conduit therethrough; a ferrule at one end of said cushion forming connection with the conduit formed by said spring; a porous cover surrounding said spring; a body of porous filling material between said cover and the cylindrical outer wall of said cushion; said conduit being adapted to deliver and distribute a stream of conditioned air to the interior of said cushion when said conduit is connected to a source of supply of conditioned air.

2,259,713
PROPORTIONING PUMP
Warren P. Valentine, Yeadon, Pa.
Application November 24, 1939, Serial No. 305,825
8 Claims. (Cl. 103—38)

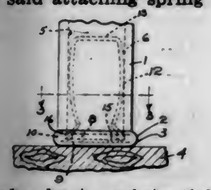


1. In a proportioning pump, a longitudinally curved rocking link, crank means for rocking the link, hollow shaft support for the link, a block adjustable along the length of the link, a pump having a piston rod, a connecting rod operating the piston rod from the block and block adjusting means rocking with the link and operating through the hollow shaft.

2,259,714
FURNITURE GLIDER AND GLIDER INSTALLATION
Clement A. Woodward, Dedham, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application July 19, 1939, Serial No. 285,250
2 Claims. (Cl. 16—42)

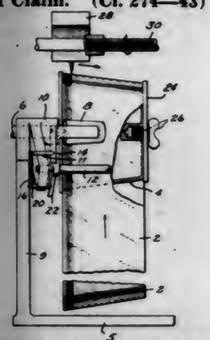
1. A glider for attachment in a bore of a leg

member and the like comprising a head portion formed of a metal cap having a substantially plain base and an upturned peripheral rim, a resilient inverted U-shaped attaching spring adapted for insertion in the hollow leg for frictional engagement with the walls of said bore, the sides of said U-shaped spring being arched and normally spaced a distance in excess of the diameter of said bore, a retaining disk fitting within said metal cap and formed with diametrically opposed recesses for the reception of the ends of said U-shaped attaching spring, the free ends of said attaching spring being formed



with reversely bent, substantially S-shaped hooked ends fitted in the recesses in said disk with portions of the S-shaped hooked ends extending inwardly beyond the recesses both above and below the disk, said disk providing positive means for preventing movement of the ends of said attaching spring radially inwardly as said attaching spring is forced into said bore, whereby lateral contraction of said spring is compensated solely by axial elongation thereof, the peripheral flange of said cap members being clenched over the peripheral edge of said washer for securing the parts in assembled relation.

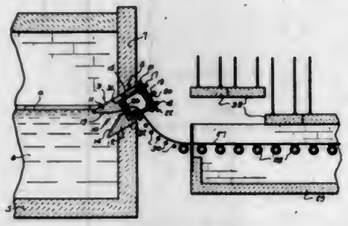
2,259,715
SOUND RECORD
William L. Woolf, Bayside, N. Y.
Application September 6, 1940, Serial No. 355,581
1 Claim. (Cl. 274—43)



A sound record of hard surfaced material, such as a moving picture film, upon the surface of which a sound track may be made, said record being in the form of a hollow truncated cone when in its greatest expanded condition, and being so thin with respect to the diameter of the cone that its form will be varied in ordinary handling.

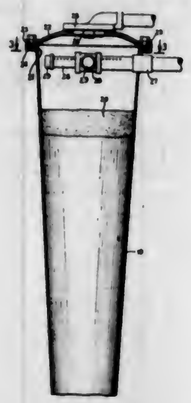
2,259,716
APPARATUS FOR FORMING SHEET GLASS
James T. Zellers, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application May 21, 1938, Serial No. 209,171
4 Claims. (Cl. 49—17)

4. In apparatus for producing transparent sheet glass, the combination with a tank containing a body of molten glass and having an upwardly and outwardly inclined opening in one vertical confining wall thereof, of a sheet forming member arranged within said opening comprising a pair of similar side portions projecting into said tank and spaced to provide a longitudinally extending slot which also inclines upwardly and outwardly, the inner adjacent walls of said side portions curving rearwardly and laterally away from one another so that the slot gradually increases in width from the outer end



of said sheet forming member to the inner end thereof, and means for mounting said sheet forming member and for adjusting it inwardly or outwardly through said opening to the desired position, the position of said slot with respect to the body of molten glass being such that the glass will be forced continuously upwardly and outwardly under hydrostatic pressure through the said slot directly from said body of molten glass to form a sheet source from which a flat sheet of predetermined dimensions may be continuously drawn.

2,259,717
PROCESS OF SOFTENING WATER
Egon Zentner, New York, N. Y.
Application July 29, 1939, Serial No. 287,286
In Czechoslovakia September 16, 1936
11 Claims. (Cl. 210—16)



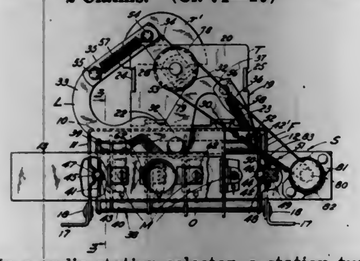
1. A process of softening hard water by precipitating hardness constituents on cores of contact material comprising adding to the water a softening chemical and immediately passing the water containing such chemical upwardly through a bed of granular contact material at a velocity sufficient to maintain the contact material in substantially continuous motion.

2,259,718
BUILDING UNIT
Harold M. Alexander, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application August 12, 1938, Serial No. 224,437
1 Claim. (Cl. 72—18)



In a building unit of the character described, a vitreous facing member, cushioning strips engaging the edges of the facing member, a metal supporting element for said facing member comprising a backing plate provided with forwardly directed flange means disposed opposite the edges of said facing member and having spaced inner and outer inturned lips forming therebetween a relatively shallow channel for receiving the cushioning strips therein, the said inner and outer lips overlapping the edges of the said cushioning strips but spaced from the edges of said facing member, a sheet of moisture resistant material covering the entire rear surface of said facing member and disposed between the said facing member and the backing plate of the said supporting element for spacing them from one another, and means carried by said supporting element for securing the same to a supporting wall.

2,259,719
RADIO STATION SELECTOR
Earl H. Allen, Fanwood, N. J., assignor, by mesne assignments, to Condenser Development Corporation, Newark, N. J., a corporation of New Jersey
Application May 20, 1938, Serial No. 209,005
2 Claims. (Cl. 74—10)



1. In a radio station selector, a station tuning device having a stator and a rotor, said rotor being movable over a relatively large arc, a rotatable operating member, a plurality of selectively operable manuals for actuating said operating member, said operating member being movable over a relatively small arc, the axes of said rotor and operating member being at angles to each other, and a four-element motion-multiplying linkage mechanism connecting said operating member with said rotor, said linkage mechanism comprising a lever fulcrumed on the selector frame, an arm fixed at its outer end to the rotor, a link connecting said arm with one arm of said lever and a link connecting the operating member with the other arm of said lever, and a tensioning means in parallel with each of said links coupling together the elements coupled by said links.

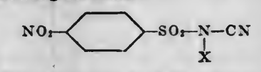
2,259,720
NUT AND NUT ASSEMBLY
Robert R. Amesbury, Auburndale, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application September 1, 1939, Serial No. 293,045
4 Claims. (Cl. 85—32)



1. A nut member having a base, a hollow internally threaded shank extending from said base for receiving a screw member, said shank having an exterior annular bead intermediate said base and the outer end of said shank, said bead providing a complementary recess on the interior of said shank, and said shank having a plurality of slots extending from adjacent its free end toward said base and dividing said shank into a plurality of resilient threaded legs each of which has a portion of said bead and complementary recess, and said bead portions acting as shoulders whereby said shank may be snapped into engagement with a support through an aperture thereof.

2,259,721
SULPHONYL CYANAMIDES
George W. Anderson, Stamford, and Richard O. Roblin, Jr., Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application November 19, 1940, Serial No. 366,274
2 Claims. (Cl. 260—397.7)

1. p-Nitrobenzene sulphonyl cyanamides having the following formula:

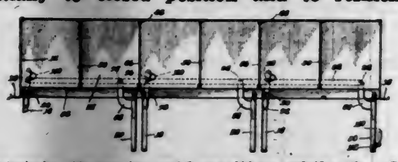


in which X is a member of the group consisting of hydrogen and metals.

2,259,722
LOCKER STRUCTURE
James E. Bales, Aurora, Ill., assignor to Lyon Metal Products, Incorporated, Aurora, Ill., a corporation of Illinois
Application January 11, 1938, Serial No. 184,427
10 Claims. (Cl. 312—191)

1. A locker assembly comprising a plurality of locker units, each of said locker units having a pair of doors opening in opposite directions, a longitudinally movable control bar, one of the doors of each pair being connected to said control bar for actuation to open and closed position, and means connecting said other doors to the control bar, said last named means comprising

a spring biased to bring said second named doors initially to closed position and to resiliently

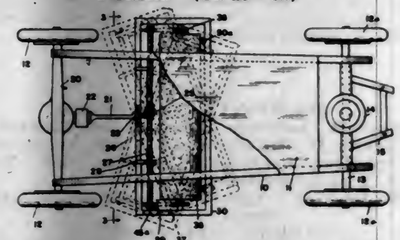


maintain them in said position while the first named doors are being fully closed.

2,259,723
ALKYLATION PROCESS
Seaver A. Ballard and John Anderson, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application March 1, 1940, Serial No. 321,803
11 Claims. (Cl. 196—10)

11. In a process for alkylating an organic compound in which a hydrogen atom can be substituted by an alkyl group by reaction in the presence of a sulfur acid alkylation catalyst with an alkylating agent of the class consisting of olefines and alkyl sulfate esters, the improvement which comprises contacting said reactants with said acid in the presence of a hydrogen halide of the class consisting of hydrogen chloride and hydrogen bromide.

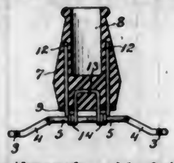
2,259,724
ROAD SWEEPER
Cecil D. Bartholow, Huron, S. Dak.
Application September 1, 1939, Serial No. 293,113
1 Claim. (Cl. 15—82)



A road sweeper comprising a main frame provided with road wheels, a sub-frame carried thereby and mounter to permit at least partial rotation in a horizontal plane, a brush rotatably mounted in said sub-frame, drive means connecting the rear road wheels and said brush whereby to rotate the latter when said sweeper is moved on its wheels, a lever pivotally mounted on said main frame for swinging in a vertical plane and also mounted to swing in a horizontal direction, and means connecting one end of said lever to said sub-frame whereby to raise and lower the latter, said horizontal movement serving to swing said sub-frame horizontally.

2,259,725
MOP
Alvin A. Bohnenblust, Kansas City, Kans., assignor, by mesne assignments, to Kansas City Broom Company, Kansas City, Mo., a corporation of Missouri
Application May 27, 1940, Serial No. 337,463
2 Claims. (Cl. 15—147)

1. In a mop having a wire foot member with two horizontal transverse alined end portions, in combination with a resilient member having at one end a socket adapted to receive a handle, a metal plate attached to the other end of said resilient member, and a resilient wire having two

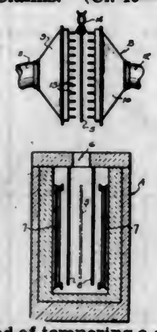


arms extending through said plate into said resilient member and having a portion embedded in said resilient member intermediate of and transverse to said arms, said wire being provided with two alined spiral portions respectively gripping and pivotally embracing said end portions.

2,259,726
METHOD OF PRODUCING REFINED, NON-CRYSTALLIZABLE ROSIN
Joseph N. Borglin, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 16, 1939, Serial No. 304,695
10 Claims. (Cl. 260—107)

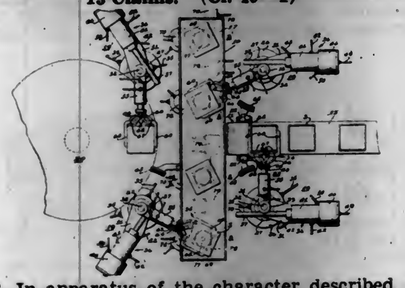
1. The method of producing a refined, non-crystallizable rosin which comprises the steps of treating a rosin characterized by possessing crystallizing tendencies and by containing color bodies and a non-crystallizing portion so as to substantially remove the crystallizing portion from the rosin, then refining the non-crystalline rosin residue containing visible and latent color bodies by subjecting the residue in solution in an organic solvent to treatment with a selective color-body absorbent having a preferential affinity for the visible and latent color bodies and which is capable of immiscibility with the rosin solution, and recovering a refined non-crystallizable rosin from the rosin solution.

2,259,727
TEMPERING GLASS
Harold E. Bowers, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application April 10, 1939, Serial No. 266,985
4 Claims. (Cl. 49—89)



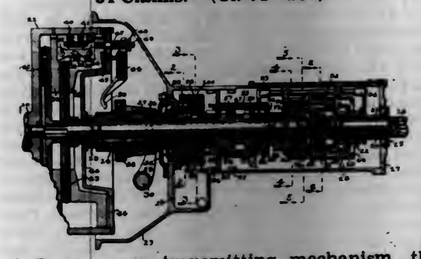
1. The method of tempering a glass body, which comprises heating the body to a temperature lying between the strain and softening temperatures of the glass, and in then alternately cooling and heating said body to quickly reduce the surface temperature of said body below the strain point of the glass while simultaneously prolonging the time interval during which the temperature of the central layers of the said body remain above the strain point of the glass.

2,259,728
APPARATUS FOR MAKING HOLLOW GLASS BUILDING BLOCKS
Donald A. Bridges, Muncie, Ind., assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application July 26, 1939, Serial No. 286,656
13 Claims. (Cl. 49—1)



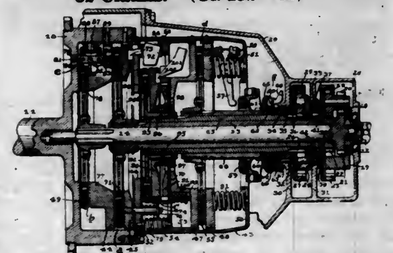
3. In apparatus of the character described, a container for a pool of bonding medium having an exposed upper surface, supports for holding cup-like sections of hollow glass building blocks with their edge portions dipping into the bonding medium, a conveyor for bringing sections to a station adjacent one side of the container, an assembly table on the other side of the container, mechanical means for transferring sections from the conveyor to the supports and thereafter removing the sections from the supports and assembling them upon said table, devices for effecting inversion of the block sections during transfer thereof from the conveyor to said supports, and devices for effecting inversion of alternate block sections during transfer thereof from said supports to the assembly table.

2,259,729
AUTOMATIC CHANGE SPEED TRANSMISSION
Everett R. Burtnett, Los Angeles, Calif., assignor of one-third to Edith Glynn Burtnett, Los Angeles, Calif.
Application December 6, 1937, Serial No. 178,301
34 Claims. (Cl. 74—260)



1. In a power transmitting mechanism, the combination of a driven member, two planetary gear trains adapted to be arranged gear functional in series under certain conditions, each of said trains comprising an individual sun drive gear and an individual internal gear and an individual system of planet gears in constant mesh with, and connecting the sun and internal gears of the respective trains, and an individual planet carrier member, means for connecting and disconnecting at least one driven element of one of the planetary gear trains to drive said driven member, means including a stationary member and an overrunning device for forming a one-way stop brake mechanism for preventing the internal gear of the other of the planetary gear trains from rotating backward, and means including a second overrunning device reacting against said stationary member through the medium of said brake device and forming a one-way clutch mechanism for preventing the internal gear of said one planetary gear train from rotating backward.

2,259,730
MULTICLUTCH MECHANISM
Everett R. Burtnett, Los Angeles, Calif., assignor of one-half to Edith Glynn Burtnett, Los Angeles, Calif.
Application February 2, 1938, Serial No. 188,218
32 Claims. (Cl. 192—48)



1. In clutch mechanism, a revolvable clutch carrying power transmitting member, a bottom friction face portion of said carrying member, a presser friction clutch member rotatable with said carrying member, a coaxial engageable friction element between said bottom and presser members, linkage carried by said carrying member, arranged between said bottom and presser members and adjustable therebetween in substantially a dead center toggle effect for firmly spacing said presser member away from said bottom member whereby said engageable friction element will be free to turn relative to said bottom and presser members, resilient means tending to adjust said linkage in said dead center toggle effect, said linkage having proportions and operable constituency whereby centrifugal force when said carrying member is rotated sufficiently will concentrate at a point operable to overcome the influence of said resilient means and centrifugally actuate said linkage out of said dead center toggle effect i. e., a state of collapse permitting said presser member to be actuated toward said bottom member to accomplish packing of said engageable element therebetween, and means including main centrifugally operable means carried in rotation with said carrying member operable to initiate urge upon said presser member beginning in response to comparatively slow speed rotation of said carrying member and to gradually increase the force of said urge in accordance with increasing speed of rotation of said carrying member such that when said collapse of said linkage from said dead center effect takes place a sufficient main centrifugally actuating force will be present in said presser member to accomplish substantially instant packing of said engageable friction element under torque at least so as to preclude an appreciable slip pe-

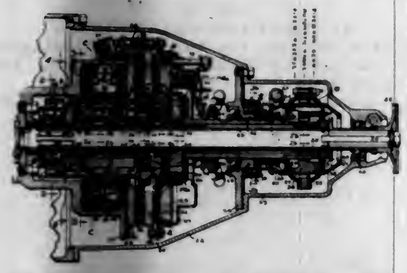
riod between the frictionally-engaging elements, said linkage of itself forming a subcentrifugally operable means to time a permissible centrifugally actuated clutch engagement so that main centrifugally operable means to that end will not gradually transmit response to gradually increasing speed of rotation to the named frictionally-engaging members.

2,259,731

TRANSMISSION MECHANISM

Everett R. Burtnett, Los Angeles, Calif., assignor of one-half to Edith Glynn Burtnett, Los Angeles, Calif.

Application April 21, 1938, Serial No. 203,320
50 Claims. (Cl. 74—260)



1. In a change speed transmission, the combination of a driving member; a driven member; automatically variable change speed transmission mechanism for progressively changing the gear ratio between the driving and driven members from low speed to second speed to fourth speed including automatic clutch mechanisms including a distinctly automatic operating clutch unit for each the low, the second and the fourth ratios; and means including a normally but yieldingly engaged friction clutch mechanism for completing the driving connections of each the low, the second and the fourth ratios between said driving and driven members and disengageable under control of the operator, and means automatically operable upon a temporary return of said normally engaged clutch to disengaged condition with accompanying acceleration of the driving member to change the gear ratio from fourth to third whereby the speed of the driving member with respect to that at which it was operating to drive the driven member through the fourth speed ratio may be increased in driving said driven member under torque by temporarily disengaging said normally engaged clutch while maintaining said driving member under sufficient power to immediately step the driving speed and torque flow up to take the load of the driven member at the third gear ratio.

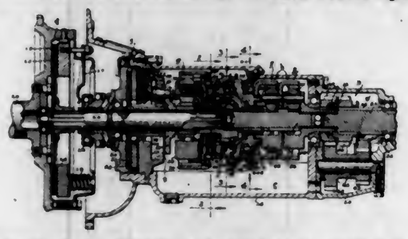
2,259,732

POWER TRANSMITTING MECHANISM

Everett R. Burtnett, Los Angeles, Calif., assignor of one-half to Edith Glynn Burtnett, Los Angeles, Calif.

Application February 14, 1939, Serial No. 256,264
39 Claims. (Cl. 74—260)

1. In a change speed power transmitting mechanism, a driving member, a driven member, a centrifugally actuated clutch reposing between said members and having resilient means for disengaging same when sufficiently slow speed rotation is attained in the mechanism, transmitting means for rotating said driven member from said driving member at reduced speed driving ratio whose driving connections in that capacity will be mobilized between said members as long as said clutch is disengaged, transmitting means for rotating said driven member from said driving member at a faster speed driving ratio whose driving connections will be completed in that capacity between said members upon engagement of said clutch, transmitting means automatically establishable in mobilized driving connections to rotate said driven member from said driving member at an intermediate speed driving ratio with respect to said speed reducing and said faster speed driving ratios by engagement of said centrifugally actuated clutch including an overrunning clutch whereby the simultaneous establishment of said faster speed



driving ratio between the same said driving and driven members by said centrifugally actuated clutch is permitted, and spring actuated normally automatically establishable means for mobilizing said faster speed transmitting means to be established between said members when said centrifugally actuated clutch engages and forming means for forced disestablishment at the will of the operator thereby to abnormally render said faster speed transmitting means no drive over the function of said centrifugally actuated clutch whereby the intermediate speed driving ratio mobilized concurrently with establishment of said faster speed driving ratio may be intermittently enabled to rotate said driven member from said driving member in the stead of said faster speed driving ratio without immobilizing the driving connections of the latter.

2,259,733

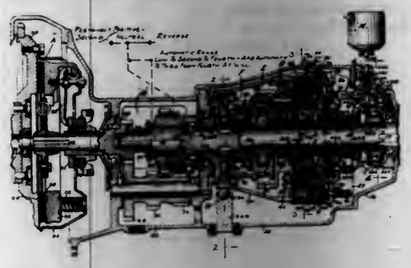
TRANSMISSION MECHANISM

Everett R. Burtnett, Los Angeles, Calif., assignor of one-half to Edith Glynn Burtnett, Los Angeles, Calif.

Application May 29, 1939, Serial No. 276,279½
21 Claims. (Cl. 74—260)

1. In a motor vehicle transmission, in subcombination a drive member adapted to be power energized rotatively at the rate developed by and from the vehicle engine; a driven transmitting train for propelling the vehicle; interconnecting transmission means between said drive member and said driven train having first torque-multiplying gearing to take the power at the same speed and torque as of the engine from said drive member, and further having successive torque-multiplying means to take the multiplied torque of said first torque-multiplying gearing, compound that torque and deliver such to said driven train; and individual reactance means for said first torque-multiplying gearing normally inoperative as such whereby said interconnecting transmission means is adapted to be mobilized in driving connections between said drive member and said driven train but without capacity to impart the rotative efforts of said drive member to said driven train, said individual reactance

means forming means controlled to operate when the driving train including said drive member and



up to said first torque-multiplying gearing is operated above an idling speed range of rotation.

2,259,734

METALLIZED ACID POLYAZO DYES

Moses L. Crossley, Plainfield, and Lincoln M. Shafer, Upper Montclair, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application October 31, 1939, Serial No. 302,132
12 Claims. (Cl. 260—145)

1. Metallized azo dyes having the following formula:

in which R, R_1, R_2 and R_3 are aryl radicals, the hydroxyl groups on R_1 are ortho to the azo groups and X represents a member of the group consisting of halogen, alkyl, alkoxy, nitro, carboxyl, sulfonic, hydroxyl and hydrogen, at least one of the radicals R and R_2 has a metallizable group ortho to the azo group connecting the radical to R_1 and at least one of the radicals R and R_3 has a solubilizing group, the dye being metallized with at least one of the metals included in the seventh and eighth groups of the periodic table of elements.

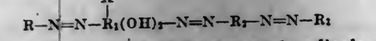
2,259,735

METALLIZED ACID POLYAZO DYES

Moses L. Crossley, Plainfield, and Lincoln M. Shafer, Upper Montclair, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application October 31, 1939, Serial No. 302,133
13 Claims. (Cl. 260—145)

1. Metallized azo dyes having the following formula:



in which R, R_1, R_2 and R_3 are aryl radicals, the hydroxyl groups on R_1 are ortho to the azo groups and X represents a member of the group consisting of halogen, alkyl, alkoxy, nitro, carboxyl, sulfonic, hydroxyl and hydrogen, at least one of the radicals R and R_2 has a metallizable group ortho to the azo group connecting the radical to R_1 and at least one of the radicals R and R_3 has a solubilizing group, the dye being metallized with at least one of the metals included in the fifth and sixth groups of the periodic table of elements.

2,259,736

METALLIZED ACID POLYAZO DYES

Moses L. Crossley, Plainfield, and Lincoln M. Shafer, Upper Montclair, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application October 31, 1939, Serial No. 302,134
13 Claims. (Cl. 260—145)

1. Metallized azo dyes having the following formula:

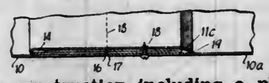
in which R, R_1, R_2 and R_3 are aryl radicals, the hydroxyl groups on R_1 are ortho to the azo groups and X represents a member of the group consisting of halogen, alkyl, alkoxy, nitro, carboxyl, sulfonic, hydroxyl and hydrogen, at least one of the radicals R and R_2 have a metallizable group ortho to the azo group connecting the radical to R_1 and at least one of the radicals R and R_3 has a solubilizing group, and the dye being metallized with at least one of the metals included in the group consisting of the fourth group of elements in the periodic table.

2,259,737

DUCT CONSTRUCTION

Thomas M. Cunningham, Chicago, Ill., assignor to Carrier Corporation, Syracuse, N. Y., a corporation of Delaware

Application July 14, 1939, Serial No. 284,394
1 Claim. (Cl. 285—201)



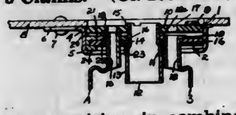
A duct construction including a plurality of duct sections, each duct section having a plurality of sides, each side having an extension, each extension being folded inwardly to form a double layer of material within the duct section with a third layer folded thereover and positioned substantially half in said duct section and half protruding beyond said duct section, adjacent duct sections being assembled with said double layers of respective extensions abutting each other, the third layers of said respective extensions being arranged in superposed position above the abutting layers, whereby substantially a smooth outer seam between respective sides of adjacent duct sections is produced, with four layers of material at the seam within the assembled sections, said superposed layers of material extending across the abutting edges and into each end of the assembled sections with substantially equal layers of material on each side of each seam to prevent sagging of assembled adjacent sections and form an air-tight seal at the seam.

2,259,738

VACUUM TUBE SOCKET

Scipione M. Del Camp, Maywood, Ill., assignor to Cinch Manufacturing Corporation, Chicago, Ill., a corporation of Illinois

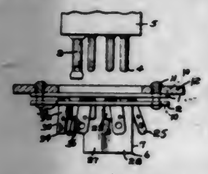
Application December 17, 1938, Serial No. 246,408
5 Claims. (Cl. 173—328)



1. A socket comprising, in combination, a pair of superposed insulating plates having a metal

central hollow member, a plurality of socket contact members assembled with said plates in a series around said central hollow member, a conducting strip disposed between said insulating plates in electrical engagement with said hollow member and one of said socket contacts, and means maintaining said conducting strip in said electrical engagement with said parts.

2,259,739
VACUUM TUBE SOCKET
Scipione M. Del Camp, Maywood, Ill., assignor to Cinch Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application December 17, 1938, Serial No. 246,409
3 Claims. (Cl. 173—328)



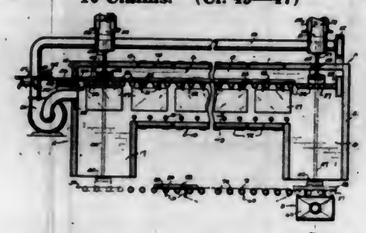
1. A shielded socket comprising an insulating base carrying a series of contacts, and a one-piece metal shielding member assembled with said insulating base, said shielding member having a shield portion interposed between two of said contacts and a flange portion extending from said shield portion having an opening to receive an attaching means whereby it is secured to a side of said insulating base, and said shielding member having a contact spring forming one contact of said series and providing spaced spring arm portions, one of said arm portions being integrally joined to said shield portion.

2,259,740
ELECTRICAL CONNECTION
Scipione M. Del Camp, Maywood, Ill., assignor to Cinch Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application November 8, 1939, Serial No. 303,435
2 Claims. (Cl. 173—328)



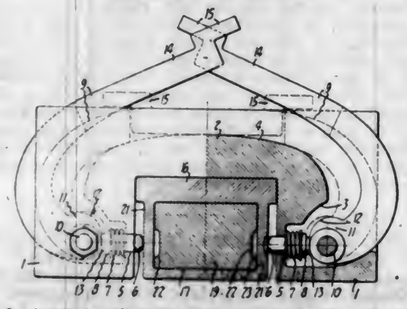
1. An electrical socket member adapted to cooperate with a plug device carrying a series of terminal prongs, said socket member comprising upper and lower insulating plates having a single group of annularly arranged apertures, said socket member carrying a plurality of single contact springs, each of said springs having a prong-engaging portion in alignment with an aperture of said lower plate and a portion for electrical connection to said spring, and a one-piece multiple contact carried by said plates having a plurality of contact springs in alignment with other of said apertures of said lower plate, said last-mentioned springs lying in a generally flat plane disposed between said insulating plates, and a positioning means integral with said multiple contact in inter-engagement with one of said plates to maintain the contact springs thereof in alignment with said respective openings.

2,259,741
APPARATUS FOR TEMPERING GLASS
John L. Drake, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application March 17, 1938, Serial No. 196,339
10 Claims. (Cl. 49—47)



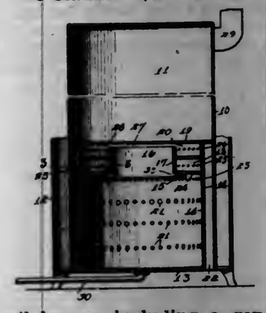
1. In apparatus for use in the tempering of glass sheets, a horizontally elongated tunnel type furnace sealed from the outside atmosphere except for entrance and discharge openings in the bottom thereof, means for heating said furnace, means for introducing untreated glass sheets upwardly through said entrance opening into the furnace, means for advancing said sheets through said furnace to discharge position, and means for moving the heated sheets downwardly through said discharge opening into position for cooling.

2,259,742
DEVICE FOR SECURING TEETH ON BUCKETS
Earl G. Edison, Medford, Oreg.
Application October 17, 1939, Serial No. 299,843
4 Claims. (Cl. 153—48)



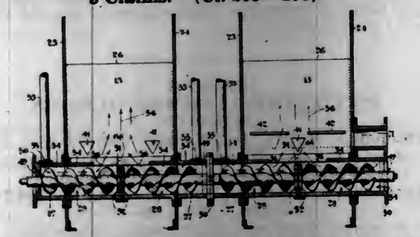
1. An indenting machine for indenting the opposite surfaces of an article comprising a generally U-shaped block providing legs and a body portion connecting the legs, said legs being spaced apart to provide an opening to receive that portion of the article to be indented, with the opposite surfaces of the article adapted to lie closely adjacent the inside surfaces of said legs, transverse guides in said legs opening through the inside surfaces of said legs, plungers slidable in said guides and projectable from the inside surfaces of said legs into said opening and toward each other, each of said plungers having surfaces, situated at the projecting ends thereof, for indenting the sides of an article when so projected, hand operated levers pivoted to said legs and extending upwardly beyond the said body of said block, cams operated by said levers for projecting said plungers and means for urging said plungers to retracted position in opposition to the action of said levers.

2,259,743
OIL BURNER
Harold H. Fletcher, Story City, Iowa
Application March 9, 1938, Serial No. 194,872
5 Claims. (Cl. 158—91)



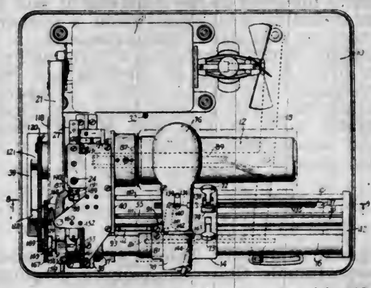
1. An oil burner including a generating and mixing bowl having a cylindrical upright wall, the upper edge of said wall being provided with an annular cover plate, a second annular plate within said wall and beneath the cover plate, a third plate beneath the second plate, the inner edge of said third plate supporting an upwardly projecting wall to form a throat having its upper edge terminating near the inner edge of the cover plate to provide a narrow annular outlet passage from the heating chamber between the uppermost and second plates, a second heating chamber being formed between the second and third plates, the outer wall of each of said heating chambers having an annular row of horizontal openings to admit air to said chambers, the third place being provided with an annular row of vertical openings near its outer edge, the upright wall having a row of horizontal openings beneath the third plate, each of the openings in the outer edge of the third plate being in radial alignment with a corresponding horizontal opening of the last said row of openings wherein secondary air from the second chamber and said aligned openings will be delivered downwardly and inwardly into the generating chamber at high velocities and in a diffused manner, and wherein air from the upper heating chamber will be delivered upwardly from the upper edge of said throat into a combustion chamber above said throat.

2,259,744
FLOTATION MACHINE FOR THE TREATMENT OF ORES AND THE LIKE
Ronald Fortune, Toronto, Ontario, Canada
Application August 17, 1939, Serial No. 290,557
5 Claims. (Cl. 209—168)



1. In a flotation machine, a cell having a substantially V-shaped bottom, a substantially vertically disposed feed chamber at the front of the machine, said chamber having an outlet at the bottom thereof adapted to communicate with the remote corners of the bottom of the cell, horizontally opposed, spiral agitators arranged to receive the material from the feed chamber and to project it upwardly through the flow chamber of the cell and baffle means within the cell adapted to form a guide for the agitated material on its lower side and a flotation-separation-settling chamber, hereinafter called the settling chamber, on its upper side and means for continuously discharging froth from the settling chamber.

2,259,745
COMMERCIAL PHONOGRAPH
Frederick Franz, New Haven, Conn., assignor to Dictaphone Corporation, New York, N. Y., a corporation of New York
Application August 1, 1939, Serial No. 287,692
12 Claims. (Cl. 274—17)

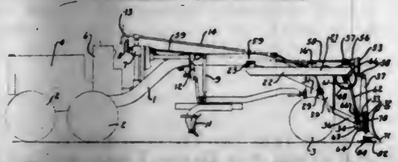


2. In a dictating machine, in combination, a record support, a sound box movable cyclically in relation to said support from a recording position to a neutral position, a reproducing position and back to recording position, shift means constantly tending to move said sound box from one position to another to complete said cycle of operations comprising a continuously rotatable frictionally driven member operatively coupled to said sound box to effect said cyclic movement, a plurality of devices adapted to successively to interrupt the rotation of said member for stopping said sound box in each of its said positions, and means operable selectively to render said devices inoperative.

2,259,746
CELLULOSE DERIVATIVE FILM AND COATING
Lionel Elmer Goff, Alton, Ill., and Stanley Lee Lopata, St. Louis, Mo., assignors to The Cellulose Research Corporation, East Alton, Ill., a corporation of Delaware
No Drawing. Application December 5, 1936, Serial No. 114,336
4 Claims. (Cl. 106—187)

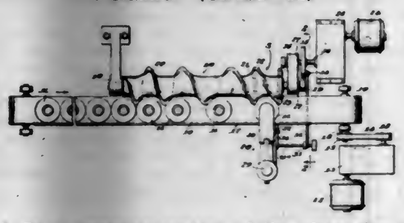
1. A liquid coating composition comprising a solution of an acetone soluble cellulose derivative, selected from the group consisting of cellulose esters and cellulose ethers, in a liquid composed of 35% to 90% acetone and the remainder a volatile acetone-miscible organic liquid nonsolvent for said cellulose derivative including a nonsolvent component present in an amount greater than the cellulose derivative and less than the amount preventing complete solution of the cellulose derivative and having a boiling point above 100° C. and acting on evaporation to produce a glossy surfaced film rendered opaque by precipitated cellulose derivative, said composition being free of opacifying agents or pigments.

2,259,747
BULLDOZER
Carl A. Gustafson, Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application November 13, 1939, Serial No. 304,019
7 Claims. (Cl. 37—144)



1. The combination with a self-propelled motor grader of the type including a main frame and a grader blade carrying frame supported underneath said main frame; of a bulldozer attachment mounted on the front end of said main frame including a bulldozer blade, a supporting structure for said blade, means connected to said supporting structure including a worm and worm wheel drive for raising or lowering said blade, means connected to said supporting structure for adjusting the pitch of said blade including an adjustable turn buckle, and means enabling angular adjustment of said blade on said supporting structure.

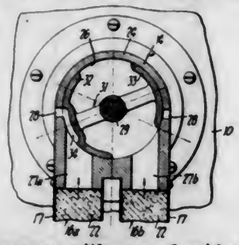
2,259,748
CONVEYER
William B. Hullhorst, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application March 29, 1940, Serial No. 326,696
4 Claims. (Cl. 198—34)



1. In a conveyer system of the character described, a horizontal continuously moving conveyer, a guide arranged along one side thereof, and a timing screw positioned at the opposite side of the conveyer and in part overlying the latter, the thread of the screw being in part shaped to accelerate forward movement of articles on and relative to the conveyer and thereafter momentarily completely stop such forward movement and finally release the article for normal travel with said conveyer.

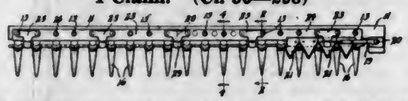
2,259,749
HAIR DRYING APPARATUS
Clyde L. Hunsicker, San Francisco, Calif.
Application April 24, 1939, Serial No. 269,817
3 Claims. (Cl. 183—4)

3. In hair drying apparatus, at least two vertically disposed moisture-absorbing units, each unit comprising a conduit for passage of air and moisture-absorbing materials within the conduit, an air blower, valve means for controlling communication between said units and said blower, said valve means comprising a casing having respective passages communicating with said units and a pair of opposite apertures open to the atmosphere, said valve means also including a cylindrical valve member communicating at one end with said blower and having symmetrically disposed openings in the side walls thereof and a recess formed in the wall thereof intermediate said openings, said valve means having one position in which one of said openings establishes communication between said blower and the passage to one of said units and said recess connects



the other passage with one of said apertures to vent the other of said units to atmosphere, and said valve means having a second position in which the other of said openings establishes communication between said blower and the passage to the said other unit and said recess connects the said one passage to the other of said apertures to vent said one unit to the atmosphere, and an operating member for said valve means.

2,259,750
CUTTER BAR CONSTRUCTION
Guy R. Johnson, Rochester, Minn.
Application November 8, 1939, Serial No. 303,438
1 Claim. (Cl. 56—298)

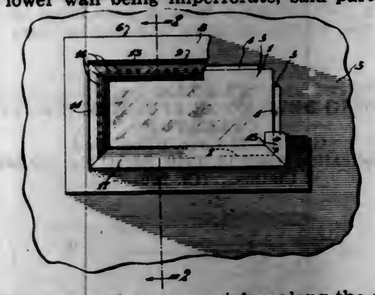


A cutter bar construction including a sickle bar, a plurality of guards secured to said bar, ledger plates supported by said guards, a sickle knife movable relative to said sickle bar and guards and having a drive connection at its inner end, a plurality of cutter blades mounted on said sickle knife for movement therewith and in sliding relationship to said ledger plates, a first wear plate section between said sickle bar and said cutter blades and extending from adjacent the inner ends of said sickle bar and knife to a point intermediate their ends, a second wear plate section abutting and extending from the outer end of said first section to the outer ends of said sickle bar and knife, and a knife clip secured to said sickle bar and connected between and bridging and holding down the adjacent ends of said two wear plate sections.

2,259,751
INSTITUTIONAL COMMUNICATION WINDOW
Thomas J. Kelley, Jr., Webster Groves, Mo., assignor to The Stewart Iron Works Company, Covington, Ky., a corporation of Kentucky
Application November 16, 1939, Serial No. 304,766
1 Claim. (Cl. 189—5)

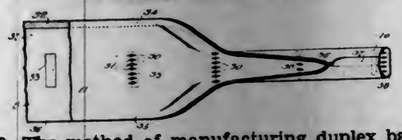
A sound transmitting window comprising, a partition wall having an opening therein, a panel of glass mounted in said opening, frame elements on the respective sides of the wall including flange portions extending beyond the margin of the respective faces of the panel of glass for

holding it in position, said frames including flared walls providing a conical sound collecting chamber, the upper and side walls including apertures, the lower wall being imperforate, said partition



wall including clearance notches along the edges of the panel of glass adjacent the openings for permitting the transmission of sound from one side of the panel of glass to the other.

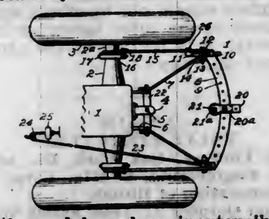
2,259,752
METHOD OF MANUFACTURING DUPLEX BAGS
Louie C. Kimple, Dallas, Tex., assignor to Dixie Wax Paper Company, Dallas, Tex., a corporation of Texas
Original application May 5, 1939, Serial No. 272,002. Divided and this application November 27, 1940, Serial No. 367,466
4 Claims. (Cl. 93—35)



3. The method of manufacturing duplex bags from webs of continuously advancing material which comprises the steps of forming rows of perforations at certain predetermined points along one of said webs, applying paste in strips upon one of said webs, arranging said webs in superimposed relation and forcing the same in direct contact whereby the strips of paste applied to one web will be transferred to the other of said webs, and squeezed through said perforations, separating the marginal edges of said webs, forming said webs into a tube whereby the separated marginal edges of each web will overlap one another and may be connected together by the adhesive applied thereto, cutting said tube in bag lengths, folding over one end of each bag length, and sealing the folded over end of each bag length by the adhesive exuding through said perforations.

2,259,753
TRACTOR HITCH MECHANISM
Joseph B. Kucera, Clark Township, Tama County, Iowa
Application April 24, 1940, Serial No. 331,276
6 Claims. (Cl. 280—33.10)

1. In a tractor hitch mechanism, in combination, a tractor, spaced rearwardly projecting arms rockably mounted thereon adjustably, a forwardly concave arcuate cross-bar supported on the rear ends of said arms for limited rocking movements in one direction, a movable draft connection freely slidably mounted on the cross-bar, the cross-bar having spaced pin-holes therealong, means for seating removably the draft connection adjustably along the cross-bar by insertion in any pin-hole, a rockable pedal on the tractor, a pulley rotatably mounted on the tractor in ad-

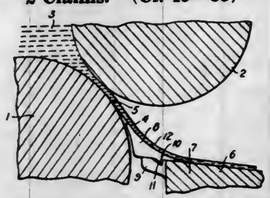


vance of the pedal, and an inextensible flexible cable connected to said cross-bar, carried forwardly and around said pulley and end-secured to said pedal.

2,259,754
CONVERSION OF HYDROCARBONS
Edwin T. Layng, Jersey City, N. J., assignor to The Polymerization Process Corporation, Jersey City, N. J., a corporation of Delaware
No Drawing. Application June 1, 1939, Serial No. 276,810
6 Claims. (Cl. 196—10)

1. The method of converting olefinic hydrocarbons to hydrocarbons of higher boiling points which comprises contacting said olefinic hydrocarbons under conditions of temperature, pressure and time suitable to effect said conversion with copper pyrophosphate prepared by the reaction of a soluble copper salt and a soluble pyrophosphate in an aqueous solution wherein the ratio of the copper salt to the soluble pyrophosphate is at least equal to the stoichiometric ratio of these compounds whereby said thus-prepared copper pyrophosphate is substantially free from the double salt of copper pyrophosphate and the soluble pyrophosphate and has a materially shorter induction period than a copper pyrophosphate catalyst prepared with an excess of soluble pyrophosphate.

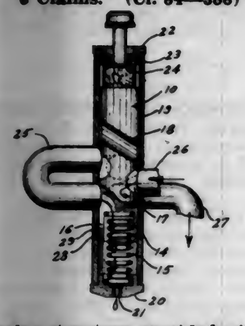
2,259,755
APPARATUS FOR PRODUCING A CONTINUOUS GLASS STRIP
Ernest Bristow Le Mare, St. Helens, England, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application December 12, 1938, Serial No. 245,117
In Great Britain February 8, 1938
2 Claims. (Cl. 49—33)



1. The combination with a pair of forming rollers for rolling a continuous strip of glass, and a horizontal support for horizontally receiving the rolled strip thereon from the forming rollers and separated from said forming rollers by a gap over which the central body portion of the strip is unsupported, said horizontal support being also located beneath the point where the strip leaves the forming rollers so that the unsupported central body portion of said strip follows

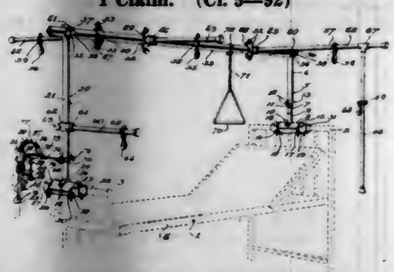
a curved path from the said forming rollers to the said horizontal support, of side members substantially bridging the gap located so as to support the edge portions only of the strip, the supporting surface of said side members being curved to correspond to the curve taken by the unsupported central body portion of the said strip in passing over said gap.

2,259,756
VALVE STRUCTURE
Robert M. Lindsay, Oak Park, Ill., assignor to Lindsay Engineering & Mfg. Corp., Chicago, Ill., a corporation of Illinois
Application October 21, 1940, Serial No. 362,946
6 Claims. (Cl. 84—388)



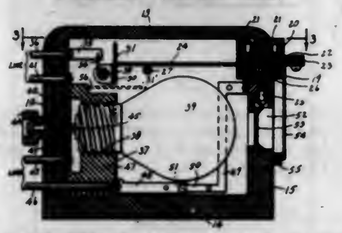
1. In a valve structure provided with a casing, a valve body within said casing adapted to slide longitudinally thereof, a spring urging said body in one direction, a cap member for moving the valve body longitudinally of the casing, said valve body comprising a substantially solid portion with a central transverse recess open laterally throughout its length and an angularly related recess on one side of said transverse recess and open laterally throughout its length, said recesses forming with said casing air passages.

2,259,757
SURGICAL FRAME FOR HOSPITAL BEDS
Earl E. Longfellow, Warsaw, Ind., assignor to Harry H. Leiter, Warsaw, Ind.
Application July 2, 1938, Serial No. 217,232
1 Claim. (Cl. 5—92)



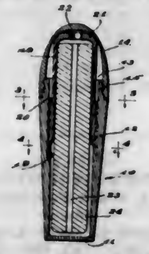
In a surgical frame for hospital beds, in combination, comprising an end support post adapted to be secured to an end of the bed, the support post having a plurality of angularly disposed sides, means for securing the support post to the end of the bed, an arm extending from the support post and also having a plurality of angularly disposed sides, clamping means for the arm engaging the sides of the support post to secure the arm in position and prevent rotation of the arm with respect to the support post, a pulley support having a tubular part fitted to the arm and adjustable longitudinally of the arm, and a foot having a tubular part fitted to the arm and means engaging the bed to brace the arm.

2,259,758
TIMING DEVICE FOR ELECTRIC CIRCUIT OPERATION
Grafton E. Luce, Brazil, Ind.
Application April 18, 1940, Serial No. 330,366
2 Claims. (Cl. 200—122)



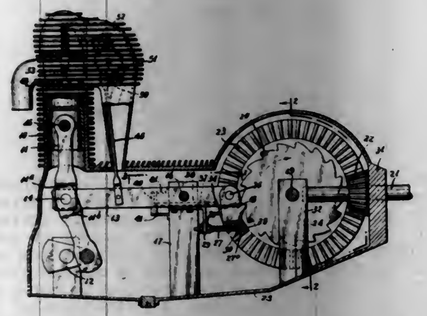
2. In a timing device for electric circuit operation, a contact strip formed of thermally flexible material, a second contact member having a surface substantially perpendicular to the axis of said strip and normally engaging a free end thereof, a pivotal mounting for said second contact member, spring means urging said second contact member about its pivotal mounting to press the surface thereof against said strip, an electrical heating unit arranged to heat said strip and to flex the same in a predetermined time sufficiently far to clear the edge of said second contact member and to thereupon permit movement of said second contact member to a non-contacting position by said spring, the distance of the edge of said second contact member from the normal plane of said contact strip varying progressively across the width of said contact member, and means for moving said strip laterally to vary the time of operation of said device.

2,259,759
INHALER
Garland Lufkin, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application June 15, 1940, Serial No. 340,763
3 Claims. (Cl. 128—200)



1. In an inhaler, a casing having an open upper end and a closed lower end, a removable closure for said open end, said casing having an annular series of internal ribs, said ribs extending longitudinally of the casing and providing air passageways therebetween, bosses projecting inwardly from and just above the lower end of the ribs and an inverted cup-like holder telescoped into the casing and having its lower end resting upon said bosses, said holder having an air port in its outer end.

2,259,760
MOTOR
Newlon Luther, New York, N. Y.
Application December 11, 1940, Serial No. 369,591
3 Claims. (Cl. 74—129)

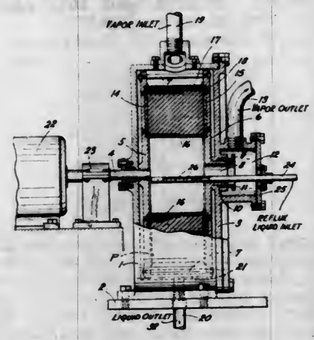


1. In a device of the class described, a lever pivotally mounted intermediate of its ends, a rotative shaft extended at right angles to said lever, a ratchet wheel on said shaft and having all of its teeth extended in one direction and located adjacent one end of said lever, means connected to the end of said lever opposed to the end located adjacent said ratchet wheel for oscillating said lever to cause the end of said lever located adjacent said ratchet wheel to oscillate in a path extending substantially tangentially of the path traversed by said teeth, a pawl pivotally mounted on the end of said lever adjacent said wheel and engaging said teeth to advance said wheel when said lever oscillates in one direction, and resilient means for urging said pawl to retain its engaged position with said teeth as said teeth move in an arc and the end of said lever adjacent said wheel moves tangentially thereof, and means for locking said pawl against pivoting during the power oscillation stroke of said lever to assist said resilient means in retaining said pawl in operative position.

2,259,761
JOINTING COMPOSITION
Ralph H. Manley, Arlington Heights, Ill., assignor to Clay Products Association, Chicago, Ill., a corporation of Illinois
No Drawing. Application April 28, 1939, Serial No. 270,663
1 Claim. (Cl. 260—36)

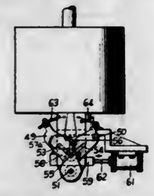
A jointing composition for vitrified clay pipe, consisting essentially of a uniform mixture of a coumarone-indene resin, a plasticizer, a finely divided mineral aggregate, and an agent toxic to roots, the plasticizer being present in an amount equal to about one-tenth of the weight of the coumarone-indene resin and the aggregate being present in an amount equal to about two and one-half times the weight of said resin, said mixture fusing upon being heated to be readily pourable into a joint and resolidifying upon cooling to form an adherent seal for said joint that is sufficiently toxic toward roots to prevent their growth into said joint.

2,259,762
FRACTIONATING METHOD AND APPARATUS THEREFOR
Arthur G. McKee, Cleveland, Ohio
Application July 1, 1938, Serial No. 217,086
10 Claims. (Cl. 202—39)



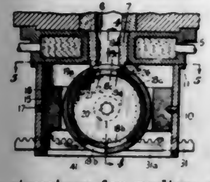
1. In fractionating apparatus of the type described, a housing, a rotor rotatably supported in said housing, said rotor including spaced discs and a porous packing disposed between said discs, inlet means for directing vapors into said housing externally of said packing, outlet means for withdrawing vapors from said housing after passing through said packing, means for preventing the passage of vapor from said inlet to said outlet without passing through said packing, means for withdrawing bottoms from said housing, a reboiler for said bottoms, and means for reintroducing vapors from said reboiler into said housing externally of said packing.

2,259,763
SHEAR STRUCTURE
George T. Meyers, Parkersburg, W. Va., assignor to The Meyers Company, Parkersburg, W. Va., a corporation of West Virginia
Application September 15, 1939, Serial No. 295,055
4 Claims. (Cl. 49—14)



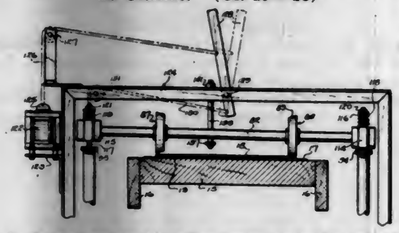
1. A shear structure comprising a pair of members pivoted together adjacent one end, each of said members having a laterally extending support, adjacent its free end, a blade carried by each of said supports, said supports having lower portions which are substantially vertical and which overlap each other, the upper ends of said members diverging outwardly and normally being spaced apart so that said blades will be spaced apart, and means for causing the diverging ends of said members to move towards each other so that said blades will move into cooperative relationship, said means comprising diverging slots formed in the diverging portions of said members and a pin cooperating with said slots, and means for moving said pin towards and away from the pivot point of said members.

2,259,764
SHEAR STRUCTURE
George T. Meyers, Parkersburg, W. Va., assignor to The Meyers Company, Parkersburg, W. Va., a corporation of West Virginia
Original application September 15, 1939, Serial No. 295,055. Divided and this application April 25, 1941, Serial No. 390,327
5 Claims. (Cl. 49—14)



1. A shear structure for molten glass comprising an outer hollow member and an inner hollow member, shear blades associated with the different hollow members, and means for producing relative movement of said hollow members and relative movement of said shear blades, said hollow members having a set of openings adapted to be brought into alignment by the relative movement thereof to permit a stream of glass to flow thereinto and a set of openings disposed opposite the first set adapted to be brought into alignment by the relative movement thereof to permit the severed charge to pass out of said hollow members.

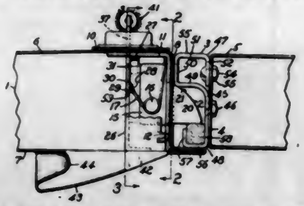
2,259,765
SHEET GLASS BREAKING APPARATUS
Joseph R. Morris, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application September 25, 1939, Serial No. 296,443
20 Claims. (Cl. 49—48)



1. In an apparatus for automatically breaking glass sheets after they have been scored along a predetermined line of cut, a flexible endless conveyor having an upper run for supporting the scored glass sheet horizontally and for carrying it forwardly, a stationary cracking-off plate arranged beneath the upper run of the endless conveyor and onto which the glass sheet is carried by said endless conveyor, and a cracking-off element mounted above the said endless conveyor and adapted to engage the glass sheet when in position upon said cracking-off plate to break the same along the score line.

2,259,766
DOOR LATCH
Howard J. Murphy, Greenwood, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application March 31, 1939, Serial No. 265,185
3 Claims. (Cl. 292—198)

1. A door latch mechanism including a pivotally mounted bolt, a spring member cooperating with the bolt to move the bolt from locked position into unlocked position, said bit having a forward portion adapted to engage with a cooperating keeper when the bolt is in locked position and a rear locking face for engagement to maintain the bolt in locked position, a latch member mounted for reciprocal movement relative to said bolt, said latch member having a plate part providing a bolt-engaging portion engageable be-



hind said locking face of said bolt to maintain said bolt in locked position, said plate part having an opening adjacent said bolt-engaging portion for receiving said bolt during turning of said bolt into locking position, said latch member being operable to release said bolt by manual operation directly on said latch member at either of opposed ends thereof, and a spring member in cooperation with said latch member to force said latch member into holding engagement with said bolt.

2,259,767
FOOD PRODUCT
Philip Bliss Myers, Scarsdale, N. Y., assignor to Sardik Incorporated, Jersey City, N. J., a corporation of Delaware
No Drawing. Application July 15, 1939, Serial No. 284,703
6 Claims. (Cl. 99—100)

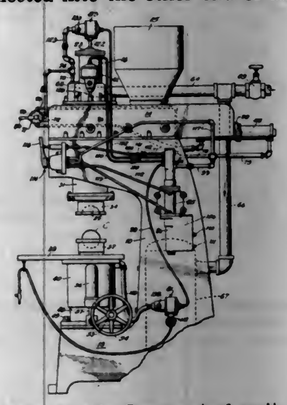
4. A food product comprising a fruit or vegetable having incorporated therein a metallic pectinate in which a metal taken from the group consisting of nickel, lead, copper, manganese, cobalt, zinc and silver is present in a proportion greater than 0.1 of the pectin and metal combined, but not great enough to destroy the colloidal and dispersible characteristics of the pectin.

6. The method of rendering more readily assimilable a vitamin of the group consisting of vitamins A, B_1 and C, contained in a food material, which consists in treating the food material with a sufficient quantity of a nickel salt to produce therein nickel pectinate in which the nickel is present in a proportion greater than 0.1% of the pectin and nickel combined, but not great enough to destroy the colloidal and dispersible characteristics of the pectin.

2,259,768
CORE MAKING MACHINE
Walter E. Naylor, Chicago, and Alfred V. Magnuson, Berwyn, Ill., assignors to Champion Foundry and Machine Company, Chicago, Ill., a corporation of Illinois
Application May 9, 1940, Serial No. 334,118
11 Claims. (Cl. 22—10)

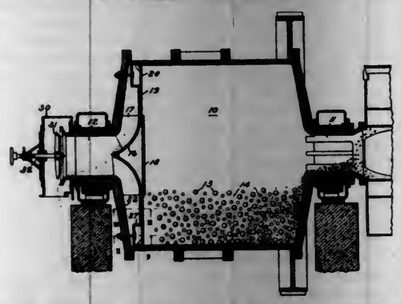
1. In a core making machine of the class described, the combination of an air chamber having a port in its top wall, a valve chamber above said air chamber, a sand blow valve in said valve chamber controlling said port, a compressed air supply pipe communicating with said valve chamber, a pneumatic motor for both opening and

closing said blow valve communicating at one end with said valve chamber, a sand carrier registering at one end with said air chamber and at its other end with a core-box, a pneumatic core-box raising and lowering device, an air flow control unit including an air motor for operating the same and having both supply and vent functions communicating with said valve chamber and connected into the other end of said pneu-



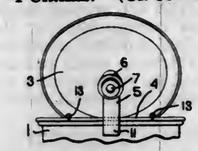
matic motor, an air flow control unit including an air motor for operating the same and having both supply and vent functions connected into said core-box raising and lowering device, and an air distributing and timing device pipe-connected to the air motors of said air flow control units and having a single valve successively admitting air to the air motors of said air flow control units and exhausting it from said air motors in the reverse order.

2,259,769
APPARATUS FOR REGULATING PULP LEVEL IN BALL MILLS
Ray C. Newhouse, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application October 25, 1939, Serial No. 301,109
3 Claims. (Cl. 83—9)



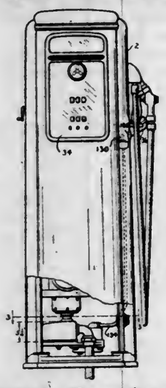
1. Discharge means for a rotary grinding mill comprising an end wall provided with a discharge trunnion, a material retaining imperforate wall spaced from said end wall and provided with apertures adjacent only the peripheral wall of said drum, and radial ribs extending across the entire space between said end wall and said material retaining wall, at least those portions of said ribs which are coextensive with the apertured peripheral portion of said material retaining wall being arranged at an acute angle with said end wall, said material retaining wall abutting said radial ribs and being partially supported thereby.

2,259,770
RECEPTACLE COVER
Sidney Nove, Winchendon, Mass.
Application November 5, 1940, Serial No. 364,368
4 Claims. (Cl. 53—8)



4. A cover for pots, kettles and other receptacles having means for supporting it in an inclined position on the upper edge of the receptacle, said means comprising a supporting member secured to the outer face of the cover and presenting a seat portion to rest against the upper edge of the receptacle and a brace portion extending over said upper edge and engaging the outside of the receptacle below said edge, and means projecting from the outer face of the cover adjacent its edge and at a distance from the supporting member, which means is adapted to rest on the edge of the receptacle at a distance from the point where the supporting member engages said edge.

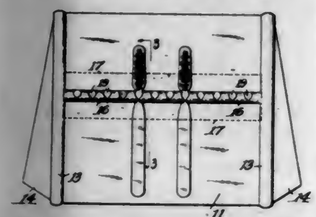
2,259,771
DISPENSING PUMP
Chester C. Oberly, Fort Wayne, Ind., assignor to Tokheim Oil Tank and Pump Company, Fort Wayne, Ind., a corporation of Indiana
Application January 30, 1939, Serial No. 253,486
23 Claims. (Cl. 221—95)



1. In a gasoline dispensing device, means forming a source of gasoline supply, means forming a dispensing line connected to said source of supply, a pump for causing gasoline to flow from said source of supply through said dispensing line, means operative during such flow for slowing down the gasoline in a portion of said dispensing line to a rate of flow at which water in said gasoline will separate from the gasoline by gravity, whereby water separates from the gasoline as it flows through said portion of the dispensing line, means for collecting the separated water from said portion of the dispensing line,

means including a first electrode operatively associated with said collecting means and controlled by the separated water for indicating the presence of water in said collecting means, an electric motor for actuating the pump, a second electrode operatively associated with the collecting means and the electric motor and controlled by the separated water for disabling said electric motor when a predetermined amount of water collects in said collecting means, the first electrode extending to a lower level in said collecting means than the second electrode whereby as the water accumulates in the collecting means and reaches the first electrode an indication thereof will first be given and thereafter the electric motor wil be subsequently disabled upon the water reaching the second electrode.

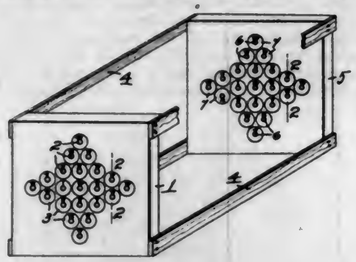
2,259,772
DISPLAY CARD
Harvey M. Owens, Leominster, Mass.
Application April 7, 1939, Serial No. 266,621
1 Claim. (Cl. 206—78)



In a display means of the class described, a display card and support for elongated articles, each article having a narrow portion and a wider portion at each end of the narrow portion, comprising a plane blank provided with a long slot therethrough and a holder in one integral piece having the mid-portion thereof projecting outwardly through said slot from the rear of the card, said projecting portion being substantially semi-cylindrical in cross-section, the marginal portions of said integral piece being secured to the rear face of said card and said projecting portion having a series of spaced pockets, each pocket comprising aligned substantially circular openings on opposite faces of said projecting portion, said openings being connected at the front of said projecting portion by a restricted passageway, and the rear of each of said openings lying substantially in the plane of the front face of the card, each pocket being adapted to hold an elongated article in a vertical position therein when the card is in upright position, with the article in contact with said card, whereby each article is held against falling movement in any direction parallel to the card and against a pull normal to the card.

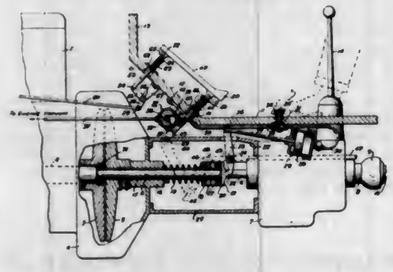
2,259,773
COMBINATION GAME
Victor D. Papineau, Athol, Mass.
Application October 7, 1940, Serial No. 360,076
12 Claims. (273—102)

1. In an apparatus of the class described, a target comprising a generally plane element adapted to be set in fixed position, means in said target for the removable reception of missiles or projectiles in a direction normal to said target, and a second target having scoring means and located in the probable projected path of said missiles or projectiles, the two targets comprising a double scoring device, one score being made by removal of a missile or projectile from said



first named target and the second score being made by said missile or projectile striking said scoring means on said second target.

2,259,774
AUTOMOBILE CONTROL MECHANISM
Charles M. Perkins, Albion, Ill.
Application May 17, 1941, Serial No. 393,995
6 Claims. (Cl. 192—.01)

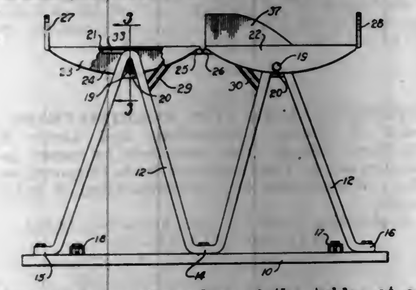


1. In control mechanism for an internal combustion engine driven automobile, the improvement which comprises providing a normally released clutch, a vacuum power chamber arranged when exhausted to engage the clutch, a pipe extending from said power chamber to the intake manifold of the engine for exhausting said chamber and applying the clutch, valve means arranged for closing off said pipe in its extension to the engine, and for venting the chamber vacuum to atmosphere, a foot operated brake pedal, and means for operating said valve means in the order above set out and immediately thereafter operating the brake as the pedal is depressed, and means normally returning the pedal to starting position.

2,259,775
CEMENT BAG CUTTING MEANS
Raymond A. Perkins, near Elwood, Ind., assignor of one-half to Virgil G. Collier, Elwood, Ind.
Application February 3, 1941, Serial No. 377,081
5 Claims. (Cl. 214—1)

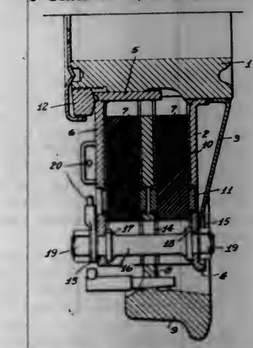
1. The combination of a pair of tables; a support, means hingedly carrying the tables on said support to permit the tables to be rocked to bring their upper surfaces into a common plane; the lengths of said tables being such as to leave a transverse gap therebetween when in said plane; means limiting rocking in one direction of the tables to said plane and allowing the

tables to swing away from each other toward vertical positions; and a cutter protecting guide



along the opposing edges of the tables at said gap.

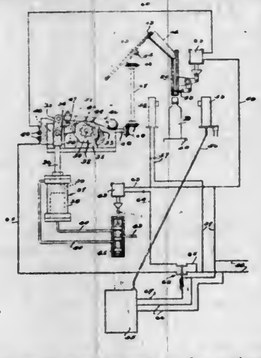
2,259,776
WHEEL AND PLATE STRUCTURE
Emil H. Piron, New York, N. Y., assignor to Transit Research Corporation, New York, N. Y., a corporation of New York
Application July 22, 1938, Serial No. 220,644
6 Claims. (Cl. 295—11)



1. A resilient wheel comprising a hub having relatively movable sheet metal main plates radiating therefrom, a tire carrying plate between said main plates, elastic shear elements separating said tire carrying plate from the main plates, the central region of one main plate being rigidly secured to the hub, means acting against the central region of the movable plate for holding it in a position compressing the elastic elements, and means maintaining the outer regions of the main plates in their original radial planes in the presence of the reacting pressure of the compressed elastic elements as well as the lateral forces occurring during use of the wheel, said means comprising tie members extending between peripheral regions of the two main plates and a rigid brace extending from a peripheral region of the fixed main plate to the hub.

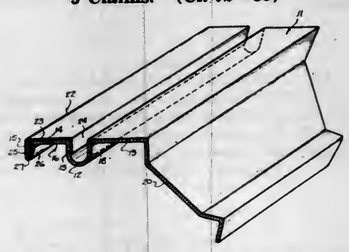
2,259,777
APPARATUS FOR DEPOSITING SULPHUR PELLETS IN GLASS CONTAINERS
Verney G. Politsch and Albert G. Lauck, Alton, Ill., assignors to Owens-Illinois Glass Company, a corporation of Ohio
Application June 19, 1940, Serial No. 341,360
8 Claims. (Cl. 226—2)

1. In combination, a horizontal conveyor for carrying articles having an open upper end past a predetermined station, a dispensing tube having its discharge end positioned above the conveyor at said station, a valve normally closing the discharge end of said tube, a feeder operable to deliver pellets one at a time to the tube, a photo-



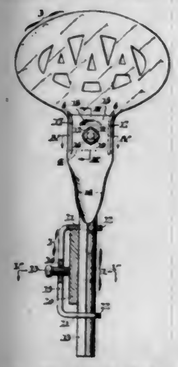
electric cell unit positioned to be actuated by an article placed in alignment with the tube and mechanisms operable by actuation of said unit for opening said valve momentarily and immediately thereafter actuating the feeder.

2,259,778
BUILDING BLOCK
Erle T. Putnam, Detroit, Mich., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application May 27, 1939, Serial No. 276,190
5 Claims. (Cl. 72—35)



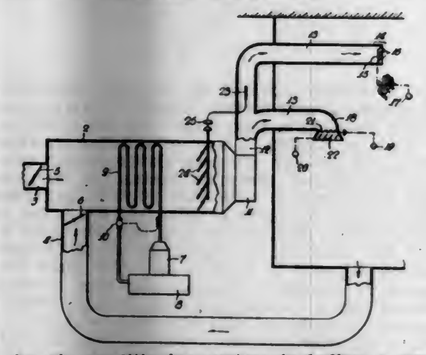
5. A building block of the character described, comprising a body portion formed from a cementitious material, a face plate covering a surface of the body portion, a layer of adhesive material interposed between said face plate and body portion, mechanical fastening means for securing said face plate to said body portion including metal frame members arranged at the edges of the block and each having a portion embedded in said body portion; an outwardly facing channel portion disposed in back of said face plate and having a shoulder engaging the rear surface thereof and an inwardly facing channel portion opposite the edge of said face plate and including a lip overlying the outer surface thereof, cushioning material disposed in said second-mentioned channel portion and engaging the edge of said face plate, and a metallic molding strip fitting over the said second-mentioned channel portion and having a part thereof disposed in said first-named channel portion and engaging the shoulder thereof and another part covering the lip of said second-mentioned channel portion.

2,259,779
MOUNTING FOR VEHICLE EMBLEMS
Morris W. Romig, Allentown, Pa., assignor to L. F. Grammes & Sons, Inc., Allentown, Pa., a corporation of Maryland
Application November 7, 1939, Serial No. 303,213
3 Claims. (Cl. 248—43)



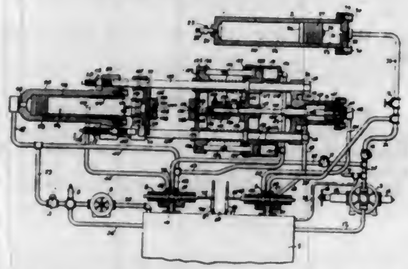
1. A holder for emblems and the like comprising a rotatable tubular holder including a flattened end and an expanded tapering section merging from the tubular portion to said flattened end; said flattened end having spaced ribs defining opposing grooves with an intervening embossment forming a stop shoulder for coaction with complemental parts in a projecting tongue of the emblem, means for securing the emblem tongue to the mounting flattened end, and means for attaching the holder to a rigid support with the emblem disposed in the direction desired.

2,259,780
AIR CONDITIONING APPARATUS
Herman Seid, Syracuse, N. Y., assignor to Auditorium Conditioning Corporation, Jersey City, N. J., a corporation of New Jersey
Application November 23, 1938, Serial No. 241,912
1 Claim. (Cl. 98—33)



An air conditioning system including a conditioner, means for delivering air from the conditioner to a system of ducts, outlets for discharging air from said ducts, means for varying the quantity of air delivered by said outlets responsive to changes in humidity conditions, and means for varying the direction of discharge of air from said outlets responsive to changes in dry bulb temperature conditions whereby the air delivered from said outlets will be discharged at different times into different parts of the zone of occupancy of an enclosure served by said outlets, depending upon the degree of cooling required therein for human comfort.

2,259,781
HYDRAULIC INJECTION MOLDING PRESS
Victor S. Shaw, Cardington, and Leslie S. Hubbert, Edison, Ohio, assignors, by mesne assignments, to The Hydraulic Press Corporation, Inc., Wilmington, Del., a corporation of Delaware
Application April 29, 1935, Serial No. 18,712
16 Claims. (Cl. 18—30)



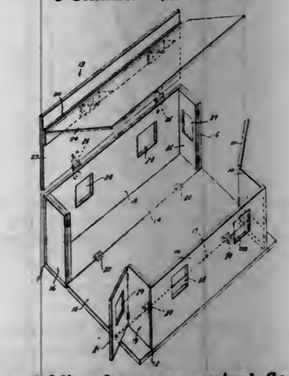
1. An injection molding press comprising a frame having a hydraulic cylinder, a piston within said cylinder, a die member operatively connected to said piston, another hydraulic piston, an additional die member movably mounted on said frame and operatively connected to said other hydraulic piston, and means for supplying both of said pistons with pressure fluid whereby to cushion said second die member against the thrust of said first die member.

16. An injection molding press comprising a frame, a pair of mutually engageable die members movably mounted on said frame, a hydraulic piston operatively connected to each die member, an injector adapted to be engaged by one of said die members during the motion thereof, means arranged to inject the contents of said injector into the space within said die members after said die members engage one another, a flash pressure device including a cylindrical storage space for storing a definite amount of fluid for operating said injecting means, a pump for charging said flash pressure device, and a pressure-responsive valve arranged to permit the discharge of said pump to be applied to said hydraulic pistons when said flash pressure device becomes charged, said pump including pressure-responsive means for reducing the discharge therefrom in proportion to the rise in pressure, the limiting pressure thereof exceeding the charging pressure of said flash pressure device.

2,259,782
LIME COMPOSITION
Foster Dee Snell, New York, N. Y., assignor to Foster Dee Snell, Inc., a corporation of New York
No Drawing. Application March 11, 1939, Serial No. 261,306
3 Claims. (Cl. 106—119)

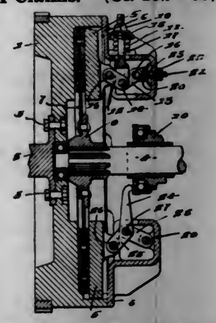
3. An admixture for a hydraulic calcareous cementitious material, the said admixture consisting largely of quicklime and a soluble soap, the proportion of soap being 1 to 10 parts to 100 parts of the lime.

2,259,783
COLLAPSIBLE HOUSE TRAILER
Mervin Sparling, St. Clair, Mich.
Application January 23, 1939, Serial No. 252,325
5 Claims. (Cl. 20—2)



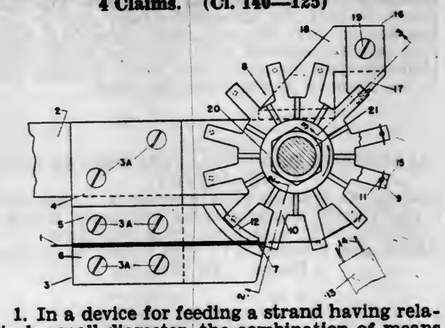
2. In a folding house, a central floor section, outer sections hinged to opposite longitudinal edges of said central floor section, each of said outer sections comprising a floor portion and an upstanding side wall and opposite end wall portions rigidly secured together, the height of the side walls and the end wall portions being substantially equal to the width of said central floor section, said outer sections being arranged to swing inwardly and telescope over said central floor section, doors carried by both of said outer sections and arranged to fold within the walls of the house when the house is folded, and a folding roof carried by one of said outer sections.

2,259,784
FRICTION CLUTCH
Charles B. Spase, Nedrow, N. Y., assignor to W. C. Lipe, Inc., Syracuse, N. Y., a corporation of New York
Application July 22, 1940, Serial No. 346,766
4 Claims. (Cl. 192—68)



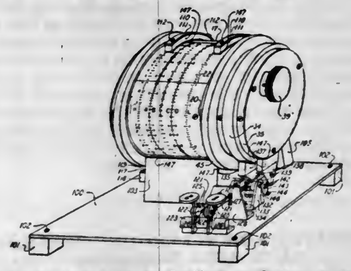
1. In a friction clutch including driving and driven elements, a pressure ring opposed to the driving element and rotatable therewith, the driven element including a clutch shaft and a friction plate rotatable therewith and shiftable axially thereof, the plate extending between the pressure ring and the driving element, and a back plate rotatable with the driving element; the combination of mechanisms operable to engage and disengage the clutch, the engaging mechanism including toggle links pivotally connected respectively to the pressure ring and the back plate and acting in a general direction parallel to the axis of the clutch, the links being normally arranged in folded position and movable toward straightened position to engage the clutch and stopping short of fully straightened position when the clutch is engaged, a pull link connected to the joint of the toggle and extending radially outward and having an abutment thereon, an abutment stationary with the back plate, a spring thrusting in opposite directions against the abutments to move the links endwise to straighten the toggle, the spring tending to move the pull link radially outward, all whereby as the clutch wears, the toggle links initially take a more straightened position.

2,259,785
FEEDING MECHANISM
Joseph Stuart, II, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application September 28, 1939, Serial No. 296,962
4 Claims. (Cl. 140—125)



1. In a device for feeding a strand having relatively small diameter, the combination of means for guiding a strand, a rotatable spider adjacent said guiding means comprising a series of substantially radially extending legs and a clamping member on each of said legs and adapted to engage the strand and hold it against and adjacent the end of said legs, and means for operating said clamping members to cause them to receive and engage the strand.

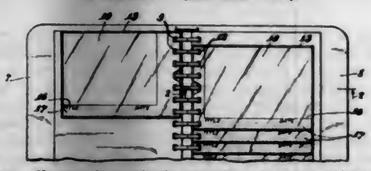
2,259,786
MECHANICAL DESK STAND FOR CYLINDRICAL SLIDE RULES
Coleman Sutton, Alhambra, Calif.
Application December 14, 1938, Serial No. 245,662
10 Claims. (Cl. 235—79.5)



4. A desk stand including a base, a concave bed upon said base, a pair of standards upon said base, a shaft supported by said standards, an arcuate member mounted upon said shaft between said standards, a portion of said shaft ex-

tending beyond one of said standards, a handle on the extended portion of said shaft for rotating the shaft to clamp the rotary cursor of a cylindrical slide rule upon the aforesaid concave bed by means of the aforesaid arcuate member and thereby prevent rotation of the said cursor, a supporting member attached to the aforesaid base, a bar pivoted intermediate its ends on said supporting member, a brake shoe pivoted on an end portion of said bar, said brake shoe being adapted to engage the aforesaid cylindrical slide rule in such manner as to prevent rotation of its relatively fixed scales when the aforesaid cursor of the said slide rule is clamped upon the aforesaid concave bed as hereinbefore described, a spring connecting the said brake shoe to the aforesaid base for holding the brake shoe in inoperative position and to impel the release of said brake shoe, a key pivoted on the other end portion of the aforesaid bar for actuating said brake shoe, a portion of said key forming a hook, a catch on the aforesaid base for receiving said hook, and a spring connecting said key with the aforesaid bar for snapping said hook into said catch to hold the aforesaid brake shoe in set position so that the aforesaid cylindrical slide rule can be operated with only one hand when clamped upon the desk stand herein claimed and in the manner hereinbefore described.

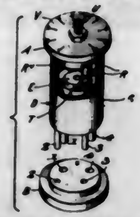
2,259,787
ALBUM FOR PHOTOGRAPHIC PRINTS AND NEGATIVES
Clarence D. Trussell, Poughkeepsie, N. Y., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y., a corporation of New York
Application September 12, 1940, Serial No. 356,409
1 Claim. (Cl. 129—20)



An album for photographs and negatives, or other purposes, comprising a loose leaf ring binder, envelopes of transparent material disposed as leaves in said binder, said envelopes being open only at the inner ends which are located at the center of the binder and having binder ring perforations extending in a vertical row across said open inner ends to fit the rings of the binder and loose sheets of substantially double the size of the envelopes, said sheets being folded horizontally across the centers to form negative receiving folders closed at the bottom and removably and slidably fitting in said envelopes, said folded sheets being of photographic mounting material adapted to have the photographic prints of the negatives retained in said folders, adhesively applied to the opposed outer faces of the folder where they will appear through and be positioned and protected by the transparent envelopes containing the same.

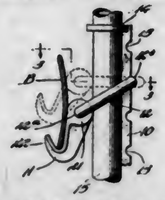
2,259,788
REPEATER FOR TELEPHONE SYSTEMS
Lee E. Adler, Dallas, Tex.
Application May 2, 1941, Serial No. 391,600
6 Claims. (Cl. 179—170)

1. An accessory inductance element for insertion in a voice frequency repeater circuit of a telephone system, said inductance element comprising a transformer whose primary is adapted for ready insertion in the circuit between the hybrid coil and balancing network of a repeater



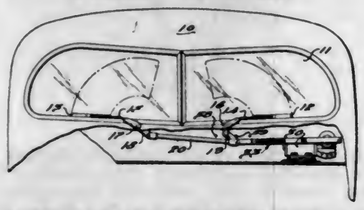
system as an auxiliary element therein, said element being adjustable to correct for any unbalance not taken care of by the regular balancing network of the repeater.

2,259,789
HOOK FOR BUMPER JACKS OR THE LIKE
Clifford M. Akins, Minneapolis, Minn., assignor to Marquette Manufacturing Co., Inc., Minneapolis, Minn., a corporation of Minnesota
Application November 12, 1940, Serial No. 365,322
10 Claims. (Cl. 254—134)



3. In a vertically adjustable jack element and a bumper-engaging hook comprising a bumper jack structure, a loop vertically adjustable on the jack element and a separate hook member pivoted to said loop and depending from the pivot point, said hook having a plurality of operative positions relative to the loop and adapted to engage under the edge of bumper bars or the like having different shapes.

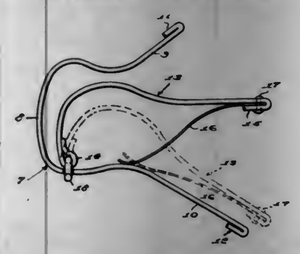
2,259,790
WINDSHIELD WIPER
Jay C. Auten, Royal Oak, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application March 1, 1939, Serial No. 259,226
3 Claims. (Cl. 15—255)



1. Power actuated windshield wiper mechanism comprising in combination, a wiper blade adapted to be oscillated over a windshield in a predetermined path, a motor for actuating said blade, link means connecting said blade and motor comprising a pair of relatively slidable parts and means for securing said parts together, said securing means being adapted to secure said

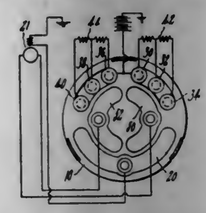
parts against relative movement during normal operation of said mechanism, but releasable to permit movement under overload conditions.

2,259,791
COW TAIL HOLDER
Alma Merrill Barrow, Rigby, Idaho
Application March 26, 1940, Serial No. 326,081
4 Claims. (Cl. 119—105)



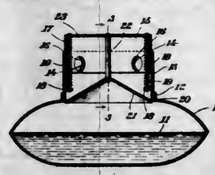
1. A cow tail holder comprising an open looped member, arms extending from said open looped member, a link mounted on said open looped member, a curved lever pivotally secured to said link, and a leaf spring secured to said curved lever at one end portion and contacting the inner side of one of said arms at its other end portion for normally forcing said curved lever towards the other of said arms.

2,259,792
REVERSING SWITCH AND RHEOSTAT
Hugh W. Batcheller, Newton, Mass., assignor to Standard Mfg. Co., Worcester, Mass., a corporation of Massachusetts
Application April 26, 1938, Serial No. 204,336
1 Claim. (Cl. 201—55)



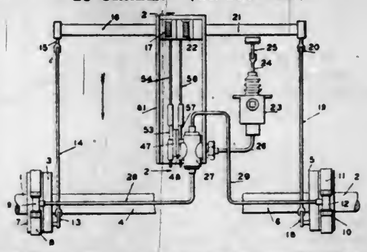
A control rheostat comprising a base of insulating material, two groups of contact elements mounted on said base and arranged in an arc of a circle, said elements being spaced from each other, resistance units connecting successive elements of each group, a terminal member on said base electrically connected to the mutually adjacent end elements of said groups, an arcuate contact element equal in length and curvature to the arc of said groups of elements and arranged diametrically opposite thereto, a second terminal electrically connected to said arcuate element, a pair of other arcuate contact elements mounted on said base in a circle concentric with the circle of first-mentioned elements but of different radius, the arc of each said other contact element spanning one of said groups and half of the first-mentioned arcuate element, and a pair of radially arranged bridging conductors mounted on a common diameter to revolve together about the center of said circles, each said conductor extending from one said circle to the other.

2,259,793
ASH TRAY
George A. Black, William R. Lancaster, and Pete Dahl, Pine Grove, Calif.
Application July 10, 1940, Serial No. 344,818
1 Claim. (Cl. 131—237)



An ash tray comprising, a bowl, a cylindrical neck threadedly engaged with the bowl, a cutter slidably received in the neck, a cross bar on the top of the cutter, a stem connected to the cross bar and disposed axially in the cutter, a valve carried by the stem normally closing the bottom of the neck, said neck having a lateral opening and said cutter having a lateral opening to receive a cigarette when the openings are alined, said neck being provided with apertured inwardly extending lugs, pins carried by the cross bar slidably projecting through the apertured lugs, and helical springs sleeved on the pins engaged between the cross bar and the lugs for normally holding the cutter in position to aline said openings.

2,259,794
BRAKING AND STEERING MECHANISM
Werner F. Boldt, Clayton, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application July 1, 1940, Serial No. 343,321
13 Claims. (Cl. 180—9.2)

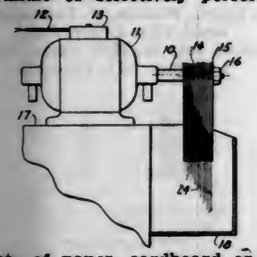


3. In braking and steering mechanism, two members adapted to be driven from a source of power, individually operated means for disconnecting said members from said source of power, a brake for each member, means for simultaneously applying said brakes, and means associated with said brake applying means and connected to be controlled by each of said individually operated means for preventing the application of the brake on one member by the applying means when the other member is disconnected from the source of power.

2,259,795
APPARATUS FOR SEPARATING MULTIPLE INVOICES AND CARBONS
Homer H. Brower, Oakland, Calif.
Application October 6, 1939, Serial No. 298,245
3 Claims. (Cl. 282—1)

1. An apparatus of the character described comprising a rotatable element, an eccentric spindle extending outwardly from said element having an axis parallel to the axis of rotation of

said element, and means on said spindle for securing a bundle of selectively perforated and



slotted sheets of paper, cardboard or the like, on said spindle for the purpose described.

2,259,796

PROCESS FOR TREATING MATERIALS AND PRODUCTS PRODUCED

James Andrew Clark, Port Chester, N. Y., assignor to Sylvania Industrial Corporation, Fredericksburg, Va., a corporation of Virginia

No Drawing. Application December 30, 1939, Serial No. 311,815
8 Claims. (Cl. 8—62)

1. In a process for treating materials, the steps comprising printing a material with a composition comprising an undeveloped dyestuff component and a cellulosic carrier for said undeveloped dyestuff component comprising a coagulable alkali-soluble water-insoluble cellulose ether dispersed in liquid medium, treating the material with a coagulant for the cellulosic carrier and a developer for the undeveloped dyestuff component, the coagulated carrier being water-insoluble and binding the dye-stuff.

2,259,797

MANICURING TOOL HOLDER

Maurice M. Cohen, Cleveland, Ohio

Application December 8, 1938, Serial No. 244,604
7 Claims. (Cl. 64—4)



2. In a manicuring tool holder, an elongated tubular hand piece, a rotatively mounted spindle positioned inwardly of the outward end of the hand piece, said spindle having a part of its forward end cut away, providing an elongated flat sloping surface, means for rotating said spindle, and a clutch means secured to said sloping surface, the same being positioned and arranged at its outer end to provide a tool shank engaging means adapted to be engaged by a cooperating shank of a manicuring tool, the position and arrangement of the parts being such that a tool shank may be attached to and detached from said clutch means during the continuous rotation thereof, thereby permitting the ready exchange of manicuring tools.

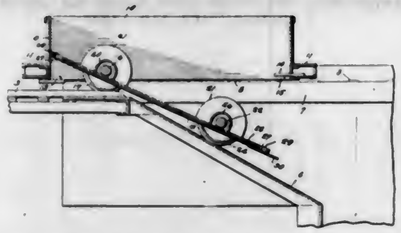
2,259,798

DUMPING APPARATUS

Willie H. Cornelius, Packard, Ky.

Application April 11, 1940, Serial No. 329,181
1 Claim. (Cl. 214—58)

The combination with spaced alined track sections providing a gap therebetween, of a car bottom movable along the sections and across the gap, spaced pairs of track wheels connected to the bottom, a car frame supported by the bottom, said bottom being movable relative to the frame about the axial center of the wheels of one pair, laterally spaced means bridging the gap and positioned for supporting the respective sides of the frame and guiding the wheels against lateral displacement relative to the track sections



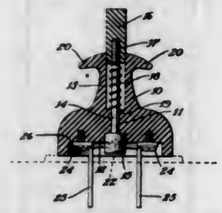
while the bottom is above the gap, the wheels of the other pair constituting means for releasing the bottom for abrupt downward swinging away from the frame when said wheels leave one track section, thereby to be suspended by the bottom in the gap, and a guide below the gap and inclined upwardly to one of the sections for engagement by and elevation of the suspended wheels.

2,259,799

ELECTRIC OUTLET PLUG

Joseph Patrick Corrigan, Leavenworth, Kans.

Application July 1, 1940, Serial No. 343,482
1 Claim. (Cl. 173—361)



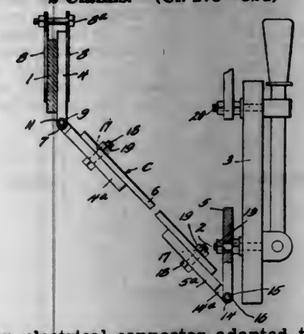
A male electric outlet plug comprising a body having an axial bore provided with uniform enlarged upper and lower ends, a plunger slidably mounted in the bore provided at its lower end with a head normally disposed in the enlarged lower end of the bore, a cylindrical button secured to the upper end of the plunger extending above the body and having its lower end disposed in the upper enlarged end of the bore, a helical spring sleeved on the plunger between the lower end of the button and a shoulder formed at the lower end of the upper enlarged end of the bore, said spring normally holding the head of the plunger withdrawn into the enlarged lower end of the bore, there being an orifice for conductor wires in the side of the body remote from the exposed end of the button, terminal prongs secured to the body adjacent said orifice and on opposite sides of the enlarged lower end of the bore, said body being provided at its upper end with oppositely disposed horns underneath which the operator's fingers may be engaged to pull outwardly on the horns while the thumb presses down upon the button to impinge the head of the plunger against a female connector to withdraw the body and the prongs from engagement with the female connector.

2,259,800

ELECTRICAL CONNECTOR

Bernie Cox, Harrisburg, Ill.

Application May 5, 1941, Serial No. 391,985
2 Claims. (Cl. 173—324)



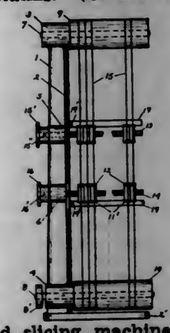
2. An electrical connector adapted to provide an electrical connection between an electrical conductor and the binding post of a piece of electrical equipment, said connector comprising two pairs of hinged terminal plates, each of said pairs comprising an inner plate and an outer plate having their adjacent edges provided with a series of fingers, the fingers of one plate snugly interfitting between the fingers of the other plate, openings extending transversely through the fingers, a tie bolt extending through the aligned openings of the fingers, means upon the tie bolt to draw the fingers in tight laterally-abutting contact, a flat bar of electrically conducting material overlying the faces of the inner plates and extending between said plates, a pin pivotally connecting each end of the bar to one of the inner plates and means provided on the pins for clamping the bar in firm engagement with the faces of the inner plates, said outer plates being adapted for connection with either a high tension electrical conductor or the binding post of a piece of electrical equipment, and said inner and outer plates being of substantially identical construction so that only two different stampings are required for the manufacture of said connector.

2,259,801

BREAD SLICING MACHINE

Harry J. Criner, Davenport, Iowa, assignor of one-half to A. G. Bush, Davenport, Iowa

Application July 20, 1939, Serial No. 285,486
13 Claims. (Cl. 146—88)



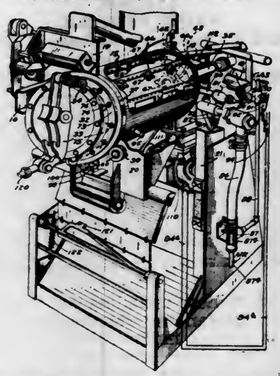
1. In a bread slicing machine the combination with a frame, of a pair of spaced pulleys rotatably mounted thereon, a plurality of spaced band-blades carried by the pulleys, a guiding and spacing assembly to twist, space and guide the blades approximately midway between the pulleys, comprising a crossbar rotatably mounted thereon, a series of annular supporting members slidably mounted upon said crossbar carrying slotted fingers to receive, twist and space the blades, a series of adjusting rings mounted upon the crossbar in alternation with the supporting members, each supporting member being formed of a single piece of metal and having an internally threaded head and an externally grooved neck, each of said adjusting rings comprising a ring mounted upon said crossbar and freely slidable lengthwise but secured against rotation thereon, threads upon the adjusting rings in mesh with and co-acting with the threads of the adjacent supporting members respectively, pins mounted in the adjusting rings and extending into the grooves of the adjacent necks of the supporting members respectively, and means for rotating the crossbar and adjusting ring whereby the co-acting threads will simultaneously draw closer together or expand uniformly the series of supporting members according to the direction of rotation of the crossbar and a stop bar carried by the frame arranged to co-act with the supporting members to prevent rotation thereof.

2,259,802

PUFFING GUN

Henry S. Crosby, Long Lake, Minn., and Thomas P. Ring, Buffalo, N. Y., assignors to General Mills, Inc., a corporation of Delaware

Application October 31, 1940, Serial No. 363,686
8 Claims. (Cl. 99—238)



4. In a puffing gun, a barrel rotatable about its longitudinal axis and closed at one end, a lid hinged to the barrel for closing the other end, a jacket secured to the gun barrel and spaced therefrom so as to provide an annular space, a plurality of spaced burners extending into this space, means for supplying a combustible mixture to said burners, and means carried by the barrel for igniting the combustible mixture.

2,259,803

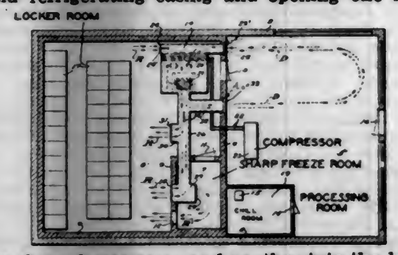
REFRIGERATING PLANT

Ford J. Cumming, Hopkins, Minn.

Application March 10, 1939, Serial No. 260,993
8 Claims. (Cl. 62—102)

5. In a cold storage locker plant of the kind described, a relatively large cold storage room to be maintained at temperatures below freezing, a relatively small sharp freeze room to be maintained at freezing temperatures below the

freezing temperatures in the cold storage room and wherein articles are placed for fast freezing prior to removal to the cold storage room, a relatively warm room wherein temperatures are maintained above freezing, a refrigerating unit involving a low temperature heat exchange device and a casing enclosing said heat exchange device, blower means for forcing air through the said casing, air delivery passages leading from said refrigerating casing and opening one into



the sharp freeze room and another into the high temperature room, air return passages leading to the casing one from the cold storage room and the other from the high temperature room, an air outlet passage leading from the sharp freeze room to the cold storage room, and valve means for selectively opening and closing each of the said air delivery passages and the said air return passages leading to the casing from the cold storage room and high temperature room.

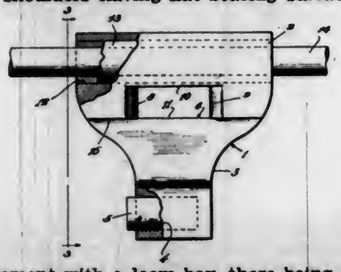
2,259,804
SNOW VEHICLE
Howard R. Davis and Thomas W. Price, Durango, Colo.
Application February 17, 1941, Serial No. 379,352
2 Claims. (Cl. 180—3)



2. A snow vehicle including an elongated tapered floor, upstanding reenforcing flanges at the sides thereof, a motor-driven propeller supported on and above the rear portion of the floor, a transverse axle secured to the floor beneath the motor-driven propeller, said axle being slotted adjacent to its ends, slides movable upwardly and downwardly within the slots, runners pivotally connected to the lower ends of the slides, elastic loops extending over and bearing downwardly against the slides, means for anchoring the loops to the axle, a yieldingly restrained post mounted for up and down sliding movement and for rotation within the forward portion of the floor, a runner pivotally connected to the bottom end thereof, means for rotating the post, and elastic loops anchored to the floor and including downward thrust upon the post.

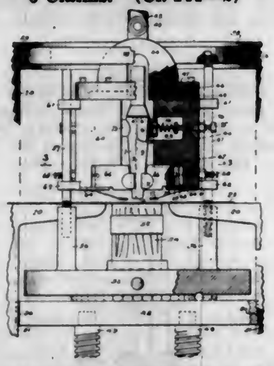
2,259,805
LOOM PICKER
Louis A. Deconing, Woonsocket, R. I.
Application April 1, 1939, Serial No. 265,528
1 Claim. (Cl. 139—160)

As a new article of manufacture, a picker for looms comprising a one piece body portion having its opposite ends provided with thickened portions of different lengths, one of which has an opening extending entirely therethrough and adapted to receive a picker rod and the other provided with a socket adapted to receive a driving plug, said thickened portions being connected by a flat integral reduced web having its end walls converging in the direction of the socket and defining oppositely disposed angular guide shoulders having flat bearing surfaces for



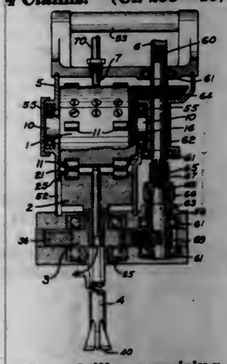
engagement with a loom box, there being a longitudinal slot formed in the long thickened portion adjacent the picker rod receiving opening and adapted to receive a picker stick with one side wall of the slot disposed in longitudinal alinement with the flat bearing surfaces of the angular guide shoulders, the oppostie end walls of the slot being rounded transversely to form continuous curved bearing surfaces extending the entire width of the long thickened portion and intersecting said angular guide shoulders for contact with said picker stick.

2,259,806
PATCH-MAKING MACHINE
Eugene Dugaw, Tacoma, Wash.
Original application June 1, 1936, Serial No 82,716, now Patent No. 2,168,766, dated August 8, 1939. Divided and this application August 7, 1939, Serial No. 288,880
6 Claims. (Cl. 144—2)



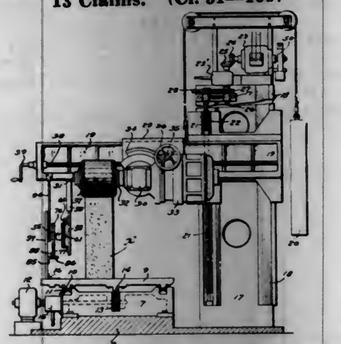
1. In a machine for cutting patches, the combination with a frame; of a vertically reciprocating hammer-head; a knife-carrier mounted on said hammer-head and rotatable thereon about a vertical axis; means for guiding said knife-carrier; a pair of complementary knives mounted on said knife-carrier and extending downward therefrom; and means for rotatably supporting said guiding means, whereby the said knife-carrier may be rotated to adjust the longitudinal axis of the patch.

2,259,807
ROCK DRILL
Thomas J. Edwards, near Seattle, and Brede Knudsen, near Monroe, Wash.
Application July 18, 1939, Serial No. 285,056
4 Claims. (Cl. 255—46)



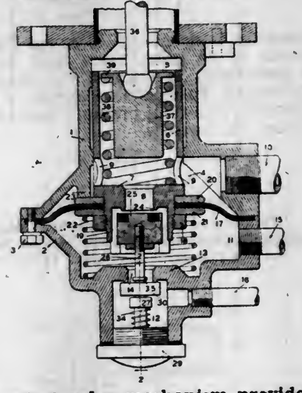
1. A percussion drill comprising, in combination with a casing having means to support a drill bit for vibratory movement in the direction of its length, a cylindrical rotative hammer, supported in said casing, the axis whereof is disposed transversely of the drill bit's shank, a centrally bored striker disposed within the casing to be engaged by the drill bit, and guided therein for movement under the pressure of the drill bit towards the axis of the hammer, upstanding impact elements carried by the adjacent faces of the hammer and striker, in position for engagement by such movement of the striker, upon engagement to repel the striker, and a water supply conduit entering the casing at the side opposite the drill bit, extending about the hammer, and entering the central bore of the striker, to be conducted, via a bore along the drill shank, to the working tip of the drill bit.

2,259,808
AUTOMATIC CONTROL FOR STONE CUTTING AND FINISHING MACHINES
John P. Ellenbecker, St. Cloud, Minn.
Application October 15, 1938, Serial No. 235,196
13 Claims. (Cl. 51—100)



10. In a machine of the kind described, a carriage having a work-supporting portion, power means for reciprocating said carriage, a template mounted on said carriage and extended in the direction of the travel thereof, a cutting tool, means for controlling the pattern cutting movement of said tool, said means including said template and a co-operating template-engaging tracer, a mounting for the tool constructed and operative to permit said tool to move under control of said pattern-determining template and means operative at a limit of the reciprocating movements of said carriage to change the relation of said template in respect to the work-supporting portion of said carriage, to thereby compensate for slack and lag in the carriage-operating mechanism.

2,259,809
CONTROL VALVE MECHANISM
Walter R. Freeman, University City, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application March 23, 1940, Serial No. 325,492
2 Claims. (Cl. 303—54)

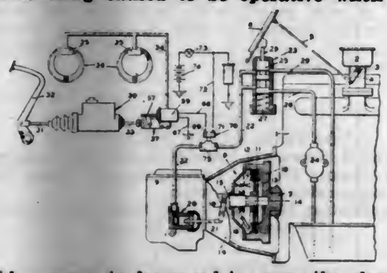


2. In control valve mechanism provided with a fluid receiving chamber having an inlet port and a movable wall including an exhaust port aligned with the inlet port, the combination therewith of a valve stem, an exhaust valve element secured to the stem for cooperation with the exhaust port when the wall is moved, a secondary inlet valve element secured to said stem in spaced relation to the exhaust valve element, means for adjusting the relative positions of the exhaust and secondary valve elements on the stem, a main inlet valve element loosely mounted on the stem between the two named valve elements for cooperation with the inlet port and engageable by the secondary valve element for closing the fluid passage therethrough adjacent the stem, said main inlet valve being solely supported by the secondary valve element and stem when in open position, a spring acting on the secondary valve element for closing both inlet valve elements, and means on the stem for engaging and opening the main valve element when said stem is moved a predetermined distance causing the secondary valve element to open the fluid passage.

2,259,810
CLUTCH AND BRAKE CONTROL MECHANISM
Walter R. Freeman, Clayton, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application August 26, 1940, Serial No. 354,165
6 Claims. (Cl. 192—.01)

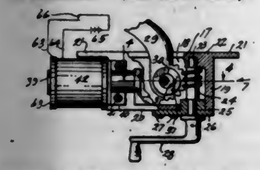
1. In a motor vehicle provided with braking mechanism, means associated with the braking mechanism for holding the brakes applied, a fluid pressure system comprising an operator-controlled source of pressure and a fluid motor

for causing an element of the vehicle to be operative when fluid pressure is effective in the system, and means governed by the fluid pressure in said system for causing the brake holding means to be inoperative, said brake holding means being caused to be operative when the



fluid pressure is decreased to cause the element it controls to be inoperative, said last named means comprising a solenoid for operating the holding means, an electrical circuit, a normally closed switch, and fluid pressure operated means for opening the switch.

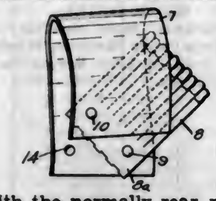
2,259,811
WINDOW OPERATOR
Ulrich J. Fregeau, Denver, Colo.
Application September 12, 1940, Serial No. 356,440
4 Claims. (Cl. 268—119)



1. A casement window operator for use in adjusting the position of a hinged window sash in a window opening, comprising a housing having means whereby it may be joined to the lower rail of the casement frame, an eccentric pivot rotatably mounted in the housing, a window sash engaging arm having one end provided with a bearing for the reception of the pivot, a gear segment on the pivoted end of the arm, a worm rotatably mounted in the housing, the worm and gear segment being in mesh when the eccentric pivot is in one position and out of mesh when the pivot is rotated to another position, and means comprising an armature operatively connected with the pivot, and an electromagnet operatively associated with the armature for moving the same, a rack connected with the armature and a pinion connected with the pivot, the rack and pinion cooperating to produce a partial rotation of the pivot when the armature is attracted by the electromagnet.

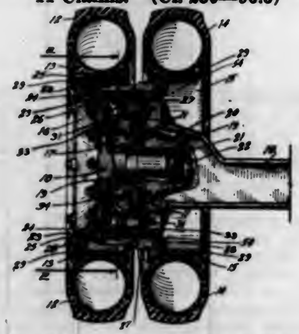
2,259,812
MATCH COVER
Paul E. Fuchs, Colorado Springs, Colo.
Application February 9, 1940, Serial No. 318,063
3 Claims. (Cl. 206—29)

1. A device of the character disclosed comprising a folded cover element, and a substantially rectangular match element enclosed therein and pivotally attached thereto at opposite sides thereof at two spaced axes, one pivotal attachment connecting said match element with the normally front portion of the folded cover element, and the other pivotal attachment connecting the match



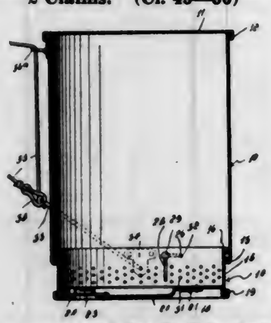
element with the normally rear portion of said folded cover element.

2,259,813
FREE WHEELING DUAL WHEEL
Edward V. Garnett and Vactor G. Garnett, Denver, Colo.
Application May 27, 1940, Serial No. 337,483
11 Claims. (Cl. 280—96.3)



1. A dual wheel construction for vehicles comprising: a non-rotatable bearing member; a first bearing axially mounted in and supported by said bearing member; a first wheel journalled in said first bearing so as to rotate freely about said bearing member; a second bearing concentrically surrounding said bearing member; and a second wheel positioned closely adjacent said first wheel and journalled on said second bearing member so that it can be freely rotated about said bearing member at a different speed from said first wheel.

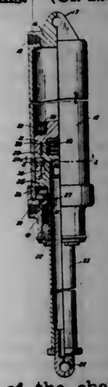
2,259,814
MINNOW OR LIVE BAIT BUCKET
James A. Green, Frank C. Miller, and Arthur J. Miller, Humboldt, and William H. Locke, Dakota City, Iowa
Application July 27, 1940, Serial No. 347,996
2 Claims. (Cl. 43—56)



1. In a minnow and live bait bucket, a bucket

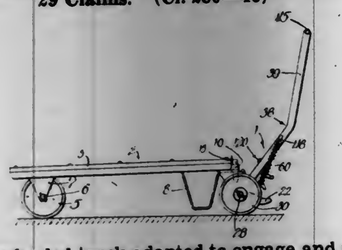
having a closed bottom and an open upper end, a closure for the upper end telescopically mounted therein, means for limiting sliding movements of the closure inwardly and outwardly of the bucket, means for holding the closure at its limits of sliding movements, the closure including a cross wall and an apertured lid hingedly carried by the cross wall, the means for limiting sliding movements of the closure including coacting beads respectively on the edge of the open upper end of the bucket and at the inner and outer ends of the closure means.

2,259,815
LOCKING MEANS FOR FLUID MOTORS
Louis W. Greve, Cleveland, Ohio, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio, a corporation of Ohio
Application May 7, 1938, Serial No. 206,620
5 Claims. (Cl. 121—40)



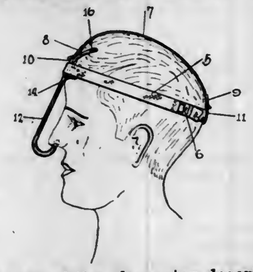
1. In a device of the character described, a pair of telescoping cylindrical members, passages admitting motive fluid into the outer member for effecting the telescopic movement of said members, a sleeve between said members capable of expansion into frictional locking engagement with said outer member, and interengaging means on said sleeve and inner member automatically effecting the expansion of the sleeve upon initial movement of said inner member in one direction by pulling forces to which said inner member may be subjected.

2,259,816
TRUCK
Stephen O. Harlan, Elmhurst, Ill., assignor to Barrett-Cravens Company, Chicago, Ill., a corporation of Illinois
Application November 5, 1938, Serial No. 238,963
29 Claims. (Cl. 280—46)



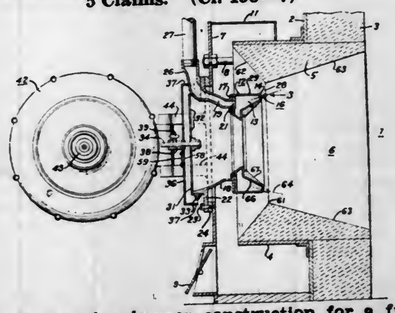
5. A wheeled truck adapted to engage and raise a platform having a depending stud, said truck comprising a wheeled frame, a handle for manipulating the same, a sleeve pivoted on the truck and adapted to receive said stud, and a slot formed in the frame and generally embracing said sleeve so as to guide said stud into a position to enter said sleeve when the frame is swung to raise the platform, said slot having its front end open at the forward upper portion of said frame.

2,259,817
ADJUSTABLE HEAD ATTACHMENT FOR OXYGEN TUBES
Eva M. Hawkins, Culver City, Calif.
Application February 27, 1939, Serial No. 258,799
3 Claims. (Cl. 128—206)



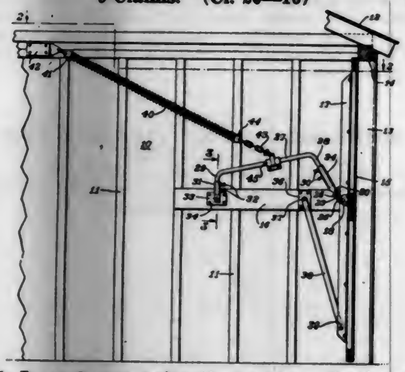
1. In a device of the character described, comprising an adjustable head gear including a temple band and a crown band having loops receiving the temple band, the front loop provided with a vertical slit on its inner face, and an applicator passing through said slit and provided with a transverse curved plate engaging the inner face of the temple band.

2,259,818
BURNER
Harvey E. Henriksen, Los Gatos, Calif., assignor to Ray Oil Burner Co., San Francisco, Calif., a corporation of Delaware
Application August 29, 1939, Serial No. 292,420
5 Claims. (Cl. 158—7)



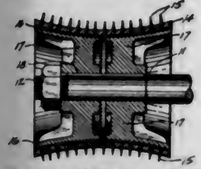
1. A gas ring burner construction for a furnace having a wall provided with an opening comprising a gas ring having a plurality of annularly disposed gas discharge orifices positioned within such opening, said ring being of less diameter than the diameter of said opening to provide an annular space for flow of air at the outer side of said orifices, means for controlling the flow of air to such annular space, said ring allowing flow of air therethrough past the inner side of said orifices, and means independent of said first mentioned control means for controlling the latter flow of air.

2,259,819
DOOR CONSTRUCTION
Verne L. Holmes, Los Angeles, Calif.
Application November 26, 1938, Serial No. 242,494
9 Claims. (Cl. 20—16)



1. In a door construction, an arm having its ends bent to extend parallel to the same vertical plane, a pipe pivoted to a mounting, a tubular member pivoted to the door, the ends of said arm being telescopically received by said pipe and tubular member, respectively, means to secure said arm ends within said pipe and member at any degree of telescopic extension of said arm within said pipe and tubular member, and a spring having one end secured to a mounting rearwardly of the door and its opposite end secured to said arm with the spring substantially axially aligned with the point of pivoting of said member to the door.

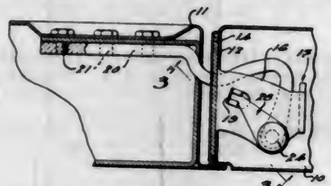
2,259,820
RASP WHEEL
Harold V. James, Denver, Colo.
Application March 18, 1940, Serial No. 324,657
1 Claim. (Cl. 29—78)



A rasp wheel comprising: a relatively thin, hollow rim sleeve of uniform thickness throughout, said sleeve being arcuately concave longitudinally and being perforated over substantially its entire area; a plurality of tacks projecting outwardly through said perforations with their heads lying flat against the inner surface of said sleeve; and a hub member fitted into each extremity of said sleeve, the outer peripheries of said hub members corresponding in contour to the internal surface of said band and being of less diameter than said internal surface so that they may pass entirely within said sleeve to clamp the heads of said tacks against said surface.

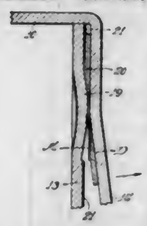
2,259,821
DOORSTOP
Ira E. Johnson, Huntington Woods, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application October 30, 1940, Serial No. 363,428
1 Claim. (Cl. 16—135)

In a door hinge unit including a hinge arm adapted to be secured to the door and a support part adapted to be secured to the door support and including spaced walls receiving said arm, one of said walls having an opening therein, a pintle pivotally connecting said arm and said walls, and a spring arm secured to said support by said pintle having a part thereof extending through said opening, said part including a bowed portion having an arcuately contoured surface engageable with said hinge arm for yieldably opposing pivotal movement of said hinge arm relative to said support and having a pair of



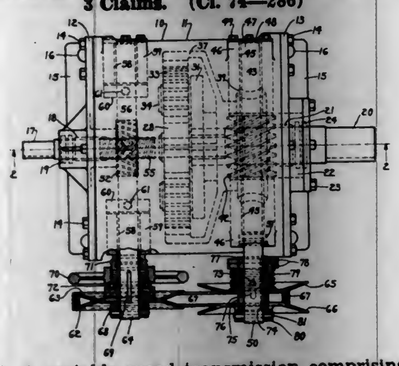
spaced prongs cooperable with the wall bounding said opening to yieldingly limit swinging movement of said spring arm when the arcuate surface thereof engages said hinge arm as aforesaid, one of said prongs being engageable with an edge portion of said opening for opposing swinging of said spring arm during movement of said hinge arm in one direction and the other of said prongs being engageable with an opposite edge portion of said opening for opposing swinging of said spring arm during movement of said hinge arm in an opposite direction.

2,259,822
CARTON
Alex Kienlen, Chicago, Ill., assignor to Container Corporation of America, Chicago, Ill., a corporation of Delaware
Application April 21, 1939, Serial No. 269,081
3 Claims. (Cl. 229—48)



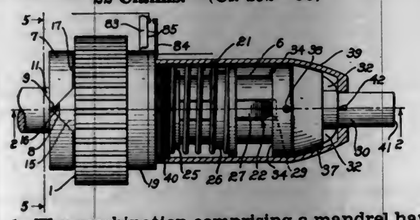
2. A folding carton formed of sheet paperboard, comprising two wall sections having cooperating inner and outer overlapping parts, said parts including a surface portion on each capable of being at least partially peeled away from the body of the sheet, the strength of the bond of said surface portions to the body of said overlapping parts being substantially the same, the edge portion of said inner part having a coating of adhesive-resistant material applied thereto, there being spaced areas of restricted size on said edge portion left in an uncoated condition, at least a major part of said spaced areas being raised toward said outer part, and a band of adhesive applied between said inner and outer parts extending entirely over said spaced areas but having its boundaries within said edge portion coated with adhesive-resistant material, whereby the area on said outer part to which said adhesive is bonded is appreciably greater in extent than that on said inner part, and separation of said overlapping parts will produce peeling of said surface portion substantially only from said inner part.

2,259,823
VARIABLE SPEED TRANSMISSION
Burton H. Locke, Lowell, Mass.
Application December 16, 1940, Serial No. 370,266
3 Claims. (Cl. 74—286)



1. A variable speed transmission comprising a casing, a drive and driven shaft, and gearing intermediate said shafts, said gearing comprising three main parts or portions, one portion being integral to said drive shaft, another portion being integral to said driven shaft, and the third portion being rotatively mounted to recede to effect changes in speed intermediate the drive and driven shafts, and means to control the recession of said third portion from said drive shaft comprising two parts, one of said parts being a balancing means comprising a worm gear integral with said third portion, and a worm mounted to cooperate therewith, said gear and worm having proper helix angle to effect a balance to the said recession substantially at the point of normal operating torque, the other of said parts comprising an adjustable V-belt drive operated from said drive shaft to control the rotation of said worm for the purpose of controlling the said recession.

2,259,824
AUTOMATIC CLUTCH RELEASE
Vander B. Lowder, Concord, N. C.
Application March 13, 1940, Serial No. 323,838
22 Claims. (Cl. 192—56)



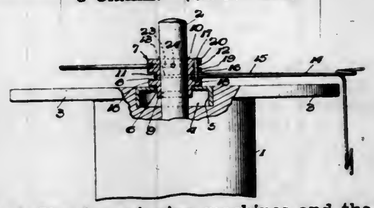
1. The combination comprising a mandrel having driving and driven members mounted thereon, releasable means for engaging the said members, an expansion spring mounted on the said mandrel, means for holding the said spring compressed to normally hold the said driving and driven members in engaging relationship, means for releasing the said expansion spring and for disengaging the said driving and driven members upon a predetermined overload on the driven member and means for compressing the said spring to return the driving member to a reengaging relationship with the driven member.

2,259,825
FABRIC HOLDER FOR MENDING AND THE LIKE
Jessie A. Marshall, Boston, Mass.
Application January 4, 1939, Serial No. 249,213
3 Claims. (Cl. 223—100)



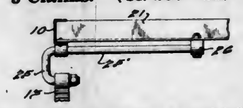
3. A device for holding fabrics for mending and the like, comprising a ring of helically coiled spring wire having a continuous coating of rubber covering the coil and filling the interstices between successive turns of the coil, a circular disk of semi-flexible sheet material within said ring, and a plurality of loops of thread passing through said disks at spaced points near the perimeter and around adjacent portions of the ring to hold the disk loosely in place within the ring.

2,259,826
FLIER CONSTRUCTION
Michael J. McHale, Scranton, Pa.
Application September 5, 1940, Serial No. 355,483
5 Claims. (Cl. 57—116)



1. A flier for spinning machines and the like, comprising a centrally apertured body member having base and head portions thereon, a peripheral flier wire receiving groove formed in the body member between the base and the head portions, a flier wire seated in said groove, a second peripheral groove formed in the body above said flier wire receiving groove, said second groove having openings formed therein at diametrically opposite points, and a flier wire balance seated in said second groove, comprising a loop having arms formed with inwardly turned end portions, said ends being seated in the openings formed in the groove.

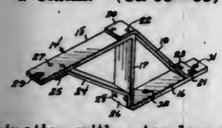
2,259,827
CONTROL SHACKLE FOR LEAF SPRINGS
John O. McReynolds, Highland Park, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application March 25, 1939, Serial No. 264,049
3 Claims. (Cl. 267—25)



1. The combination with a vehicle having a leaf spring and a part to which the spring is connected, of a shackle for connecting one end of

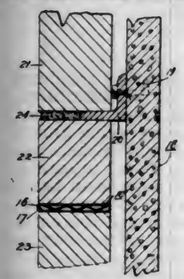
said spring to said part and for imposing a control load along the length of said spring comprising an elongated rod non-rotatably fixed to the vehicle at one end thereof, said rod having a downwardly extending reversely bent portion at its opposite end for pivotally supporting one end of said spring.

2,259,828
DRAG HITCH FOR TANDEM DISKS
Benjamin F. Mowers, Elgin, Ill.
Application September 16, 1940, Serial No. 357,052
1 Claim. (Cl. 55—83)



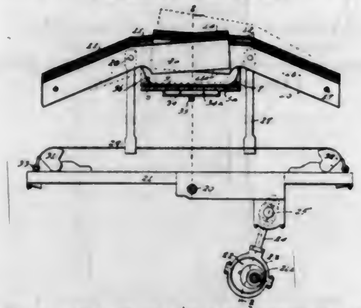
The combination with a tandem disk having a rear transverse beam in advance of the trailing disk, and a drag disposed in rear of the rear trailing disk, of a drag hitch comprising, a length of strap metal bent to provide a lower horizontal leg, an intermediate vertical leg, and an upper horizontal leg extending oppositely to the lower horizontal leg, a strap metal inclined brace bridging the angle between the lower horizontal leg and the vertical leg, a second inclined strap metal brace bridging the angle between the vertical leg and the upper horizontal leg, said upper horizontal leg being disposed in a plane above the lower horizontal leg and being connected to said drag, said lower horizontal leg being connected to said transverse beam of the tandem disk.

2,259,829
BUILDING CONSTRUCTION
Richard M. Nyhagen, Jr., Chicago, Ill.
Application February 24, 1940, Serial No. 320,627
3 Claims. (Cl. 72—106)



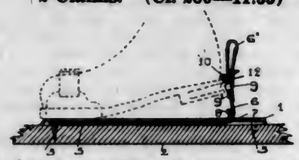
1. In a building construction having a wall, a plurality of vertically spaced shelf angles attached to said wall, a plurality of vertically arranged facing units between each shelf angle, the facing unit immediately above an adjacent shelf angle resting thereon, a plurality of cushion joints, each of said cushion joints comprising a body member of resilient material, said body member having a plurality of upwardly and downwardly extending portions forming spaced peaks and valleys, said cushion joints vertically spaced and positioned between said facing units and supporting the weight of the facing units thereabove, said cushion joints adapted to carry a known weight in normal position, to compress upon receipt of excess weight and to return toward and to normal position upon the lessening and removal of the excess weight thereon.

2,259,830
BEATER FOR FIBER PLANT STOCK
Raymond G. Osborne, Los Angeles, Calif.
Application April 24, 1940, Serial No. 331,379
8 Claims. (Cl. 19—7)



1. In a machine of the class described, a conveyor belt adapted for moving long fibers generally longitudinally along a horizontal plane, reciprocal beater members immediately above and transverse to said plane, means for reciprocating said beater members in a plane generally normal to said conveyor, and means associated with said conveyor in the immediate area of said beater members for causing said conveyor to there retain water; said conveyor acting at other areas to promote drainage of water therefrom.

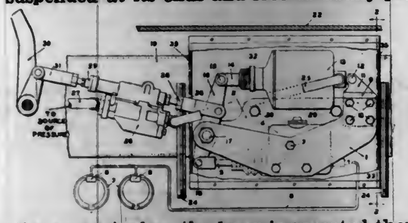
2,259,831
DEVICE FOR PULLING DOWN THE HEEL PORTION OF SPORTS BOOTS
George Pflugmann, Basel, Switzerland
Application April 3, 1940, Serial No. 327,686
In Switzerland March 9, 1939
2 Claims. (Cl. 280—11.35)



1. Device for pulling down the heel portion of skiing boots comprising a stirrup for the heel of the ski boot, a plate secured to the ski, the sides of the plate being bent downwardly to provide a hollow space there-beneath, an elastic traction member held between the ski and the plate, a reduced end thereon protruding to the rear of the plate, a transverse slot and a roller at the rear end of the plate, an extension for the reduced end, the elastic member passing through such transverse slot and around said roller, a clasp, carried by the extension beyond said roller, provided with a hook engagement to co-act with the stirrup.

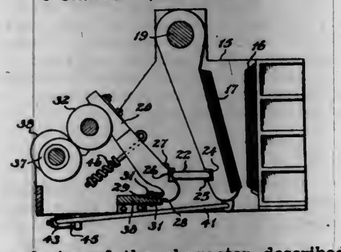
2,259,832
POWER-ACTUATED APPARATUS
Edward A. Rudolph, St. Louis, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application April 10, 1939, Serial No. 267,061
4 Claims. (Cl. 60—54.6)

1. In fluid pressure producing apparatus, a unitary power-actuated assembly for mounting on a support, said assembly comprising a supporting member, a separate and independent master cylinder device including a reservoir, means for securing the master cylinder device to the supporting member, a separate and independent power cylinder, means for pivotally connecting one of the relatively movable elements of the power cylinder to the supporting member, a lever pivoted intermediate its ends to the supporting member, means for pivotally connecting the other relatively movable element of the power cylinder to one end of the lever so that said power cylinder is suspended at its ends and free to bodily pivot



on the support when the lever is operated thereby, means pivotally connecting the other end of the lever to the actuating element of the master cylinder, said power cylinder being laterally spaced from the master cylinder device and having its axis substantially parallel with the axis of the master cylinder, and means for detachably connecting the supporting member to the support.

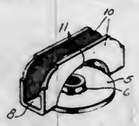
2,259,833
ROCK CRUSHING DEVICE
Thomas Sandy, Goderich, Ontario, Canada
Application April 14, 1939, Serial No. 267,887
In Canada February 6, 1939
3 Claims. (Cl. 83—53)



1. In a device of the character described, a frame, a stationary crusher member, movable crusher members operatively mounted adjacent the stationary crusher member, a fixed transverse bar member, toggle levers having pivotal engagement at their lower ends with the transverse bar member, spring tension means for exerting a retracting pull on the movable crusher members and toggle members interposed between the movable crusher members and the toggle levers, the said spring tension means comprising a stationary bearing, a leaf spring in pivotal engagement intermediate its ends with said bearing and rod members connecting the movable crusher members respectively with the ends of the spring.

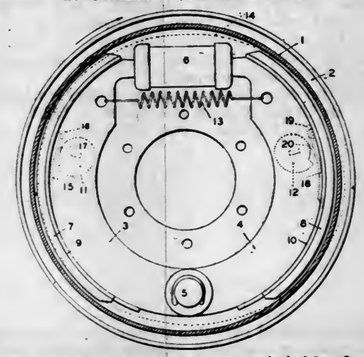
2,259,834
WING NUT AND PROCESS FOR THE MANUFACTURE THEREOF
Erwin L. Schmidt and Joseph L. Schwabe, Jr., Milwaukee, Wis., assignors to G-H Specialty Co., Milwaukee, Wis., a corporation of Wisconsin
Application September 14, 1940, Serial No. 356,728
10 Claims. (Cl. 10—86)

1. A method of manufacture of a wing nut or the like which includes the shearing of a blank upon spaced circuitous lines to define wing portions near the outside of the blank and a central washer portion leaving opposite ends of said wing portions connected to the washer portion



and severing the wing portions from the washer portion intermediate such ends, providing the washer portion with threads, and forming the wing portions upwardly to constitute means for manipulating the nut thus constructed.

2,259,835
COMPENSATING MEANS FOR BRAKE DRUM DISTORTION
Steve Schneli, Overland, and Albert Brunner, Jennings, Mo., assignors to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application October 3, 1940, Serial No. 359,516
10 Claims. (Cl. 188—79.5)

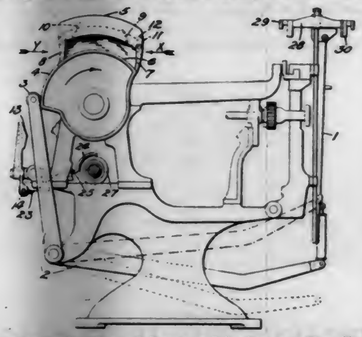


1. In braking apparatus, a rotatable drum, a support, a brake shoe mounted on the support for cooperation with the drum, means including a fixed stop for causing said shoe to have a predetermined "off" position with respect to the drum when retracted, and means for permitting the shoe to be moved closer to the center of the drum than said "off" position when said shoe is acted upon during brake application by a force created by drum distortion, said means being ineffective to alter the relationship between the shoe and the stop when the shoe is retracted after any brake application.

2,259,836
TYPOGRAPHICAL COMPOSING AND CASTING MACHINE
Richard Henry Scott, Enfield, and William Fairall Gorse and Arthur Staniland Hayward, Altrincham, England, assignors to Linotype and Machinery Limited, London, England, a limited liability company
Application November 23, 1940, Serial No. 366,810
In Great Britain December 6, 1939
24 Claims. (Cl. 199—49)

1. In a typographical composing machine of the kind referred to, the combination of a line transporter, mechanism for raising and lowering the same including a transporter cam and a

single cam roller, and selective mechanism for varying the cycle of said transporter so that its



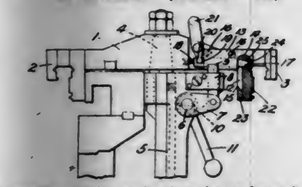
jaws are raised and lowered between the line receiving and casting positions only.

2,259,837

COMPOSITION AND CASTING OF TYPE AND IN MACHINES THEREFOR

Richard Henry Scott, Enfield, and William Fairall Gorse and Arthur Staniland Hayward, Altrincham, England, assignors to Linotype and Machinery Limited, London, England, a limited-liability company

Application November 23, 1940, Serial No. 366,811
In Great Britain December 6, 1939
23 Claims. (Cl. 199—49)



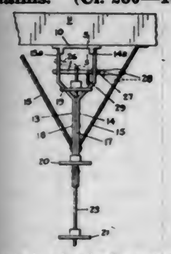
1. A method of producing type in a typographical composing and slug casting machine having a vertically movable line transporter and means for supporting matrices therein, consisting in introducing a line of hand composed matrices into a rotatable member carried by the transporter, rotating said member to bring the line into operative position at the line receiving position of said transporter, transferring said line to the casting position, and casting type therefrom.

2,259,838

COLLAPSIBLE STAIRS

Christian C. Severin, Unadilla, Nebr.

Application June 6, 1940, Serial No. 339,139
10 Claims. (Cl. 280—166)



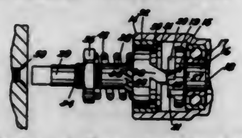
1. Collapsible stairs including a support for attachment underneath and at one edge of the floor of a truck or the like to depend therefrom, a lever pivotally secured at the midpoint thereof to said support, a pair of stair treads secured to project from said lever near the opposite extremities thereof, an arm swingingly secured to said lever and having secured thereto a third stair tread, and means for latching said lever in either of two vertical positions on said support.

2,259,839

CLUTCH

Paul Van Sittert, Cleveland Heights, Ohio, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio, a corporation of Ohio

Application April 20, 1939, Serial No. 268,962
4 Claims. (Cl. 192—30.5)



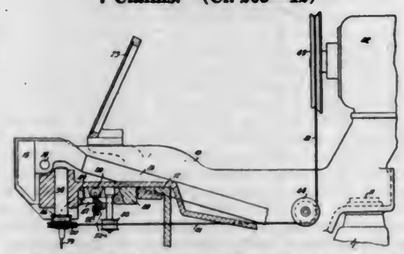
1. In a device of the character described, an elongated housing, a driving and a driven spindle coaxially mounted within said housing, rotation transmitting clutch means betwen said spindles including a clutch member on said driven spindle capable of movement relative thereto in one direction for effecting the release of said clutch means, connecting means between said clutch member and driven spindle normally transmitting rotation therebetween but enabling said relative movement in said one direction when said driven spindle is subjected to a predetermined resistance to rotation, and brake means carried by said clutch member including spring pressed elements frictionally engaging said housing for preventing said relative movement in the other direction and the consequential reengagement of said clutch means.

2,259,840

HARDNESS TESTING MACHINE

Robert Low Heron Smith, Hove, England

Application July 1, 1939, Serial No. 282,559
In Great Britain July 6, 1938
7 Claims. (Cl. 265—12)



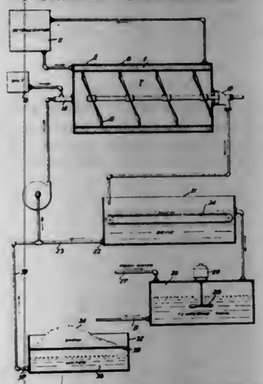
1. A hardness testing machine comprising in combination an anvil for a specimen to be tested, a support, an indentor with operating means on said support, means on said support for measuring the impression produced by the indentor on said specimen, means on said support for preparing a clean flat surface on the specimen, and means mounting said anvil and support for relative movement for bringing any one of the three said means on said support selectively into cooperative relation with a predetermined portion of said specimen while on said anvil.

2,259,841

REFRIGERANT AND METHOD OF PROVIDING THE SAME

Ellis H. Spiegl, Salinas, Calif.

Application July 5, 1939, Serial No. 282,874
9 Claims. (Cl. 62—172)



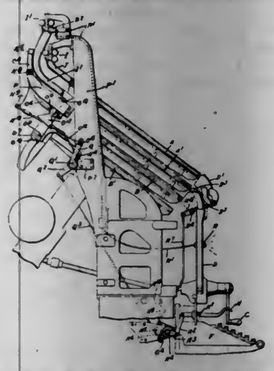
1. A method of providing a refrigerant, comprising subjecting a light brine to a freezing temperature to deposit crystals having a temperature in the neighborhood of 30 degrees Fahrenheit, separating said crystals from said brine, mixing said crystals with fresh water of a higher temperature in the neighborhood of 40 to 60 degrees Fahrenheit, and separating said water from said crystals to leave said crystals as a refrigerant.

2,259,842

TYPOGRAPHICAL DISTRIBUTING MACHINE

Anthony J. Stouges, Queens Village, and John H. Hilpman, Springfield Gardens, N. Y., assignors to Mergenthaler Linotype Company, a corporation of New York

Application November 30, 1940, Serial No. 367,876
34 Claims. (Cl. 199—41)



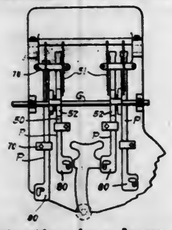
1. A typographical distributing mechanism including, in combination, two fixed main or character distributors for matrices of different forms, adjustable means arranged in advance of said distributors for directing the matrices to either selected distributor, and concurrently adjustable means for permitting the passage to the selected distributor of matrices destined for that distributor while preventing the passage thereto of matrices destined for the other distributor.

2,259,843

LOOM MAGAZINE SLIDE AND CRADLE LOCK

Joseph Stuer, Lawrence, Mass.

Application December 6, 1940, Serial No. 368,837
4 Claims. (Cl. 139—232)



1. The combination in a loom provided with a frame including a fixed magazine having a plurality of vertical bobbin guideways at the bottom of each of which is a partially revoluble cradle to receive and discharge a bobbin from a guideway, said cradle being turnable on pivots and having a turning pin; of slide bar guides attached to the frame each of a kind to prevent horizontal but to permit vertical movement of a slide bar; such a slide bar associated with each magazine guideway and vertically slidable in the side bar guides, said slide bar at the bottom including an inverted L-shaped slot, which slot has a horizontal arm at the top and a downwardly extending vertical arm, the cradle turning pin normally passing through the vertical slot arm; a spring for each slide bar to keep it normally raised and the cradle turning pin in such a position in engagement with one side of the vertical slot arm and in relation to the cradle pivots that the pin of the cradle cannot move the slide bar and the cradle cannot be turned in the direction of that side wall but can be turned by moving the slide bar when the pin is in either arm of the slot.

2,259,844

REFRACTORY MATERIAL

Frank Turow, Milwaukee, Wis., assignor to The Metro-Nite Company, Milwaukee, Wis., a corporation of Wisconsin

No Drawing. Application June 15, 1939, Serial No. 279,279
3 Claims. (Cl. 106—61)

1. A refractory composition including in mixed relationship substantially equal parts of a rare form of dolomite, and pulverulent fire clay, said dolomite having a very high content of both silica and magnesia and a low lime content, the latter being neutralized by the silica and magnesium to prevent the formation of carbon dioxide gas.

2,259,845

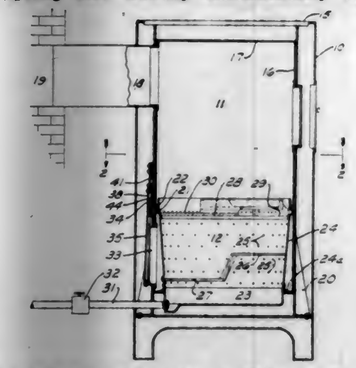
AUTOMATIC DRAFT REGULATOR

Ben Valjean, Lansing, Mich.

Application August 20, 1938, Serial No. 225,857
8 Claims. (Cl. 236—45)

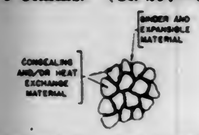
1. Combustion apparatus including, in combination, a burner of the vaporizing pot type, an air compartment for supplying combustion supporting air to the burner, said air compartment having an air inlet opening for the admission of air thereto, a cover for said air inlet opening, means including a spring for normally holding said cover in an open position and adapted to permit the cover to close in response to a predetermined pressure differential between the inside and the outside of the air compartment, and thermo-responsive means associated with the

spring and located in a position to absorb heat from the burner for regulating the stiffness of the spring and thereby automatically varying



said predetermined pressure differential in response to variations in the temperature of the burner.

2,259,846
TEMPERATURE RESPONSIVE ELEMENT
Sergius Vernet, Joseph Kim, and Joseph Lee Leiserson, Yellow Springs, Ohio, assignors to Vernay Patents Company, Yellow Springs, Ohio, a corporation of Delaware
Application June 17, 1937, Serial No. 148,658
9 Claims. (Cl. 297—3)

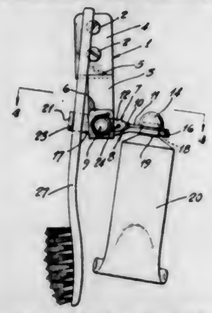


1. A thermostatic expansible - contractible power generating element including crystalline material and an elastic binder material in solution, said crystalline material being expansible on fusion and being fusible in the operating range of the thermostatic element, and a finely divided material solid in the operating range of the thermostatic element and having its particles thickly dispersed through and coated with the solution so that the multiplicity of particles are bound together by said elastic material into a solid body.

2,259,847
PROCESS FOR TREATING TEXTILES
Roger Wallach, Briarcliff Manor, N. Y., assignor to Sylvania Industrial Corporation, Fredericksburg, Va., a corporation of Virginia
No Drawing. Application September 24, 1938, Serial No. 231,521. In Great Britain October 11, 1937
3 Claims. (Cl. 91—68)

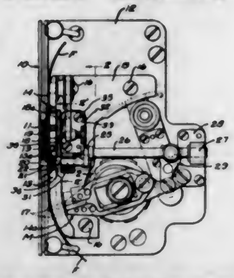
1. In a process for finishing an unfinished textile material with a coagulable cellulose ether and an inert solid textile filler, the steps comprising first applying to said unfinished textile material a composition consisting of an aqueous dispersion of a coagulable cellulose ether, said composition penetrating the textile, thereafter applying to the thus treated textile, before completely drying said first-applied composition, an aqueous alkali dispersion of an alkali-soluble water-insoluble coagulable cellulose ether filled with a substantial quantity of colorless inert solid textile filler and thereafter coagulating the cellulose ether on the textile material, said applied compositions penetrating each other, whereby said first-applied cellulose ether composition serves to bind the filled cellulose ether composition to the textile thus producing a product substantially resistant to the loss of said filler during laundering.

2,259,848
DISPENSING DEVICE
Charles W. Ward, Los Angeles, Calif.
Application June 2, 1941, Serial No. 396,245
5 Claims. (Cl. 248—108)



1. A dispensing device including a bracket having two offset substantially parallel portions and an interconnecting portion, an arm pinned at one of the parallel portions of said bracket, said arm formed at one end to carry a tube, and the opposite end formed with a clip, said clip adapted to embrace an object such as a tooth brush handle interposed between said clip and the interconnecting portion of said bracket to prevent rotation of said arm in one direction under gravity influence when carrying a tube.

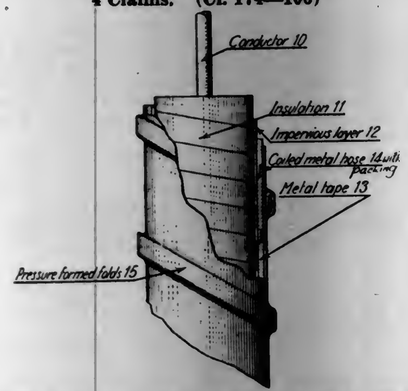
2,259,849
INTERMITTENT FILM MOVEMENT MECHANISM
George H. Worrall, Los Angeles, Calif., assignor to Mitchell Camera Corporation, West Hollywood, Calif., a corporation of Delaware
Application February 2, 1940, Serial No. 316,978
2 Claims. (Cl. 88—18.4)



1. In an intermittent film movement mechanism having a vertical aperture plate, a vertical film guide plate spaced rearwardly from said aperture plate so as to form a film race between said plates, a vertical frame plate arranged at right angles to and supporting both said plates, and pilot pin mechanism embodying a pilot pin stud movable toward and from said film race: an aperture in said guide plate adapted to pass

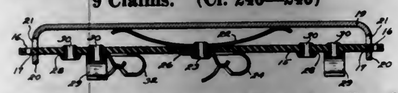
the forward end portion of said pilot pin stud with clearance, a bearing bushing bracket mounted on said frame plate out of contact with said guide plate and located in a position spaced rearwardly from said guide plate, and a bearing bushing for said pilot pin stud mounted in said bracket, the forward end of said bushing being spaced rearwardly from said guide plate.

2,259,850
SHEATHED ELECTRIC CABLE
Helmut Zündorf, Rodenkirchen-on-the-Rhine, Germany
Application December 6, 1938, Serial No. 244,155
In Germany December 7, 1937
4 Claims. (Cl. 174—106)



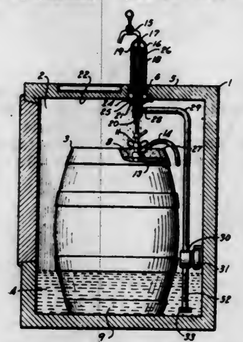
1. An electric cable having a flexible, watertight envelope comprising, in combination, an insulated conductor, a helical wrapping of flat strip material over and upon the conductor insulation, said wrapping being capable of resisting externally applied mechanical pressure, and a coiled metal hose disposed over and in close engagement with the said wrapping, adjacent edges of the metal coils being folded together under pressure to provide a watertight joint.

2,259,851
TOY TRAIN ACTUATED CIRCUIT CONTROLLER
Marshall H. Frisbie, Hamden, Conn., assignor to The A. C. Gilbert Company, New Haven, Conn., a corporation of Maryland
Application April 17, 1939, Serial No. 268,300
9 Claims. (Cl. 246—246)



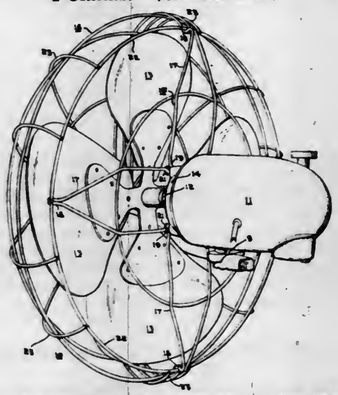
1. The combination with flanged rails of an electrified toy track for toy trains, of an electrical contact making appliance adapted for readily removable attachment to said track, including a movable electrical conductive element constructed and arranged to project retractably into the path of travel of some portion of a toy train riding along said track, and a base structure carrying said element and spanning the space between the nearest flanges of respectively adjacent track rails and overlying and resting on the top surfaces of said flanges and insulated from one of said rails, together with means carried by said base structure constructed and arranged releasably to hook under one or more of the said rail flanges in a manner to hold said structure in stationary position seated on the top surface of said flanges.

2,259,852
COOLING APPARATUS FOR BEVERAGE DISPENSERS
Gilbert O. Hall, Kansas City, Mo.
Application December 12, 1938, Serial No. 245,159
4 Claims. (Cl. 62—33)



3. In an apparatus of the character described, a beverage container, a conduit leading from the container to dispense beverage therefrom, a cooling jacket mounted on and about the conduit having a closed upper and an open lower end, a housing for the container, the conduit extending through a wall of said housing, a second jacket arranged within the first named jacket in surrounding relation to the conduit and opening into the first named jacket, and a supply of refrigerating medium communicating with said second named jacket.

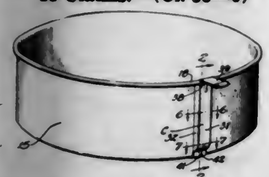
2,259,853
FAN GUARD
Gustav H. Koch, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 14, 1938, Serial No. 229,812
4 Claims. (Cl. 230—274)



1. In a guard construction for a fan having a motor and fan blades driven thereby, the combination of a plurality of guard support arms extending in a generally radial direction and at-

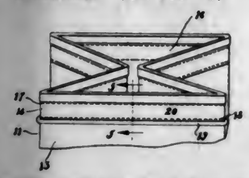
tached at their inner ends to said motor, said arms at their outer ends having transversely extending portions formed with recesses opening radially outwardly, and a guard cage for encompassing the fan blades and including a ring adapted to seat in said recesses, said ring being resilient to permit it to be seated in and withdrawn from said recesses by springing the same so that the cage may be mounted on the support arms without separate fastening devices, said ring biasing said transversely-extending portions radially inwardly, at least partly by reason of its resilience, so that it is held firmly in place.

2,259,854
RING MOLD
Adrien L. Langel, Chicago, Ill., assignor to Chicago Metallic Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application December 2, 1940, Serial No. 368,164
15 Claims. (Cl. 53—6)



1. A ring mold having separable meeting ends, a clip separable from the mold formed to extend over the joint between the meeting ends thereof, interengaging means on the clip and mold ends providing a slidable interlock therebetween, and interengaging means one of which is yieldable provided on the clip and mold cooperating to form a releasable lock therebetween whereby to permit or prevent sliding movement of the clip toward and from operative locking position relative to the mold.

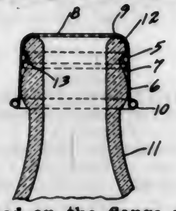
2,259,855
SUCTION CLEANER DUST BAG OPENING CONSTRUCTION
Eugene F. Martinet, Cleveland, Ohio, assignor to The P. A. Geier Company, Cleveland, Ohio, a corporation of Ohio
Application September 10, 1938, Serial No. 229,362
2 Claims. (Cl. 150—6)



1. In a suction cleaner dust bag, fabric walls provided with an outturned hem forming an emptying opening, reinforcing means within the hem, stitching adjacent to the reinforcing means, a second stitching spaced from the first named stitching and located at the hem edge, and piping secured by said second stitching defining with said reinforcing means a channel for the reception of a closure clamp.

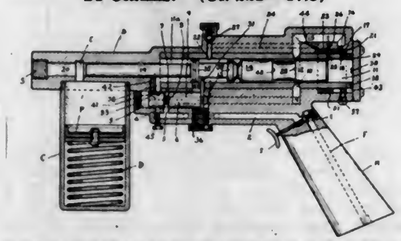
2,259,856
SANITARY GUARD FOR BEVERAGE BOTTLES
Richard D. Moore, Birmingham, Ala.
Application April 27, 1939, Serial No. 270,272
1 Claim. (Cl. 215—100)

The combination with a beverage bottle having a beaded neck, of a sanitary guard comprising a body portion flared inwardly at its upper end to cover the lip of the bottle, a flange portion turned downwardly and inwardly and against the inner side of the body portion to form a two-ply construction having a rounded marginal edge defining an opening at the top of the guard, a



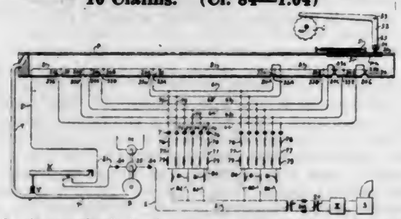
shoulder formed on the flange portion for engagement with a bead formed on the neck of the bottle to hold the guard in position thereon, and said guard being disposed in spaced relation to the neck of the bottle adjacent the lower edge of the guard to form a trough therewith when the bottle is inverted.

2,259,857
GREASE GUN
William L. Ostendorf, Rayland, Ohio
Application July 29, 1938, Serial No. 221,985
14 Claims. (Cl. 221—47.3)



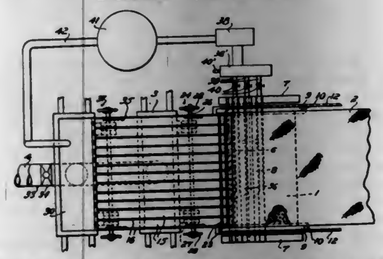
1. In a lubricant gun including a ram adapted to deliver from the gun lubricant under high pressure, a pneumatic hammer adapted with repeated blows to drive said ram through its lubricant-delivering stroke, and a passage for hammer-operating air; the improvements herein described that comprise means for returning said ram from the end to the starting point of its lubricant-delivering stroke, said means including a pneumatic cylinder, a piston carried by said ram independently of said hammer and reciprocable in said cylinder, and a valve movable into position to by-pass air from such passage to said cylinder as the ram approaches the end of its said lubricant-delivering stroke.

2,259,858
MUSICAL INSTRUMENT
Ebenezer Emmet Reid, Baltimore, Md.
Application November 25, 1938, Serial No. 242,206
10 Claims. (Cl. 84—1.04)



1. A musical instrument comprising, in combination, a series of sound-producing devices whose pitches vary with their effective lengths; length-adjusting means associated with the several sound-producing devices for variously adjusting their individual effective lengths and pitches; and operating means for said length-adjusting means comprising definitely correlated individual length-selective actuating means associated with the respective length-adjusting means of the several sound-producing devices, and coacting with said length-adjusting means to correlate the relative lengths and pitches of the sound-producing devices to various concurrent-pitch correlations, severally corresponding to different musical scale intonations.

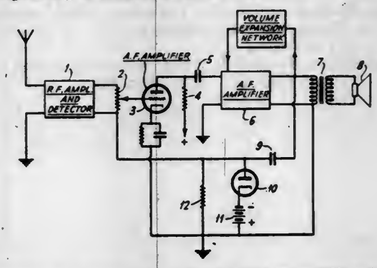
2,259,859
APPARATUS FOR MAKING PAPER
Elsy Earl Covey, Niagara Falls, N. Y.
Application March 3, 1939, Serial No. 259,587
In Canada March 23, 1937
1 Claim. (Cl. 92—44)



In a paper making machine having a perforated cylinder, a travelling paper web forming member on said cylinder, a head box adjacent thereto, a flow table slightly inclined in a downward direction and leading from the top of the head box to said member on the cylinder, said table having a plurality of longitudinally extending channels thereon terminating short of the lower end thereof, independently adjustable gate means for admitting a controlled shallow stream of pulp from the head box into each of said channels, a plurality of series of pulp-engaging inclined baffles in each of said channels adjacent said lower end, said baffles being inclined to the direction of flow of stock and the baffles in one series being oppositely inclined with respect to those in adjacent series, said streams of pulp being adapted to flow by gravity down said table and to unite in a single stream at the termination of said channels for delivery onto said member, and vacuum means within said cylinder for extracting water from the pulp stream at substantially its point of contact with said member.

2,259,860
VOLUME CONTROL CIRCUIT
Herre Rinia, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application February 4, 1939, Serial No. 254,549
In Germany March 4, 1938
1 Claim. (Cl. 179—171)

In combination with a source of audio voltage, an audio amplifier tube having at least a cathode, control grid and output electrode, means connecting said cathode to a point of relatively fixed potential, a resistive path connected across said source, a resistor in series with said path and connected to said point, a slider element connecting said grid to said path to provide a manually adjustable volume control device, an audio utilization network connected to said output electrode, an audio volume expansion network operatively associated with said utilization network, means to protect said amplifier against overloading due to audio voltages above a predetermined amplitude produced by action of said expansion network, said last means comprising a rectifier device in circuit with said



resistor to develop across the latter unidirectional voltage for biasing said grid in an amplifier gain-reducing sense, means for maintaining the rectifier ineffective for audio voltages below said amplitude, a condenser coupling said utilization network to said rectifier, said rectifier being constructed to charge said condenser relatively quickly in response to said audio voltage exceeding said amplitude, and said resistor and condenser being so chosen as to prevent rapid discharge of said condenser.

2,259,861
OXIDATION INHIBITOR
Roger W. Richardson, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application July 30, 1938, Serial No. 222,147
11 Claims. (Cl. 204—165)

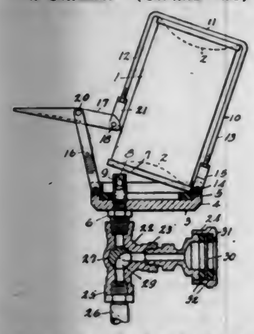
1. A process for the production of an improved lubricating oil oxidation inhibitor from a hydroxy aryl compound containing a chemically combined sulfur family metalloid selected from the class consisting of sulfur and selenium attached to an aryl nucleus and interlinking hydrocarbon groups in said compound, which comprises subjecting said compound to the action of a silent electric discharge at an intensity and for a period sufficient to decrease sludging and corrosion tendencies of the compound materially when blended with a refined lubricating oil to increase the stability of the oil.

2,259,862
PRODUCTION OF PARAFFINS FROM LOWER BOILING OLEFINS
Jan D. Ruys, Pittsburg, and Bouwe Bolger, Martinez, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application October 22, 1938, Serial No. 236,554
8 Claims. (Cl. 260—676)

1. In a process for producing iso-octane from isobutylene by reacting isobutylene with aqueous sulfuric acid under conditions adapted to polymerize isobutylene to di-isobutylene and a minor amount of tri-isobutylene and hydrogenating said di-isobutylene to produce iso-octane the

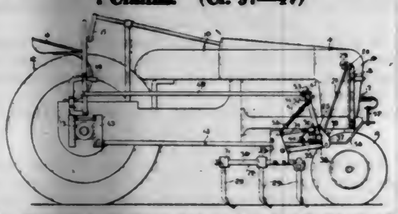
method of increasing the yield of iso-octane which comprises reacting said tri-isobutylene with hydrogen at a temperature above about 275° C. but below 350° C. under a subatmospheric pressure for a time at which iso-octane is produced therefrom, and re-cycling isobutylene simultaneously produced to said polymerization.

2,259,863
DISPENSING DEVICE
Bryan Hooker Smith, Jr., Berkeley, Calif., assignor to Braun-Knecht-Heimann Co., a corporation of California
Application August 11, 1939, Serial No. 289,613
2 Claims. (Cl. 221—23)



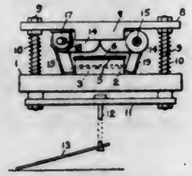
2. In a dispensing device for a can or the like, a wire yoke adapted to fit over one end of the can and having legs extending alongside of and parallel to opposite sides of the can, a cap adapted to fit over the other end of the can and having an annular flange and a washer confined within the flange, means for pivotally connecting one section of the flange to one of the legs of the yoke, a lever mechanism comprising a lever pivoted to the other leg and a link connecting an intermediate portion of the lever and opposite section of the flange, the lever mechanism and the pivotal connection being operable for drawing the cap and the washer upon the can for airtightly sealing the second end thereof, and a piercing element carried by the cap for piercing the latter can end while the lever mechanism is operated, the piercing element having a washer therearound for sealing the hole in the can end made thereby.

2,259,864
IMPLEMENT ATTACHMENT FOR TRACTORS
Hiram P. Smith, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application July 10, 1940, Serial No. 344,744
7 Claims. (Cl. 97—47)



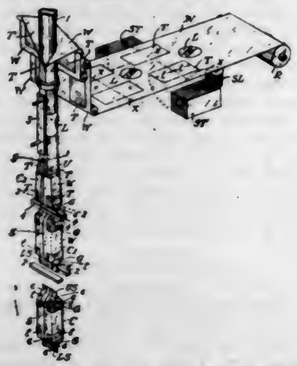
1. In combination with a tractor having a longitudinally extending body portion, an implement supporting means adapted to be mounted on the tractor, said means comprising a member disconnectable intermediate its ends into separate members, said members adapted to be disposed transversely across the forward end of, and below the tractor body, and a rearwardly extending thrust member connected to each of the separate members by a vertical pivot, said thrust members adapted to be connected to the tractor.

2,259,865
DIE FOR COLLAR PRESSING MACHINES
Stephen Stadub, Brooklyn, N. Y.
Application February 27, 1941, Serial No. 380,777
9 Claims. (Cl. 223—2)



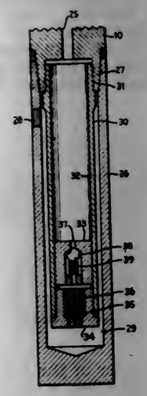
1. A die for collar pressing machines comprising a base plate, a lower die block on the plate having a flat top and sides converging together at an angle corresponding to the angle of a shirt collar, an upper die block having a flat underside, means to support the upper block at an elevation above the lower block, means to move the upper block against the lower block for pressing a collar placed on the lower block, and members supported on side extensions of the upper block below its under side for pressing the edges of the collar.

2,259,866
METHOD OF MAKING CONTAINERS
John S. Stokes, Huntingdon Valley, Pa., assignor to Stokes and Smith Company, Summerdale, Pa., a corporation of Pennsylvania
Application June 3, 1939, Serial No. 277,132
12 Claims. (Cl. 93—3)



1. In the art of making containers, the method which comprises applying reenforcing elements to a web of pliant material at intervals of extents longitudinally of the web corresponding with the lengths of the containers, joining the edges of the web to form a tube, and flattening the tube sharply to bend the webbing at areas thereof reinforced by said elements to form transverse seal sections each having a sharp bend overlapped by one of said elements.

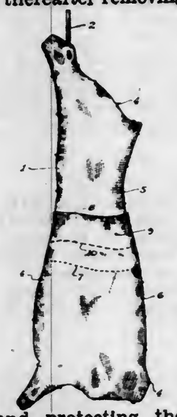
2,259,867
PRESSURE RECORDER SEAL
Hugh B. Webster, Oakland, Calif., assignor to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
Application December 23, 1939, Serial No. 310,803
1 Claim. (Cl. 73—300)



In a pressure recorder provided with a first chamber, a movable member at one end of said chamber, said member being connected to an exhibiting element, a spring for opposing movement of said member, said first chamber being filled with a sealing liquid for transmitting fluid pressure changes to said member to move the latter, means adjacent said member at one end of said chamber for filling it with said sealing liquid, means forming a cylindrical passage leading from the opposite end of said first chamber to a second chamber communicating with the fluid whose pressure is to be measured, an unattached rigid cylindrical member filling the bore of said passage, said member being freely movable therein and effective to separate said sealing liquid from fluid entering said passage from said second chamber, and a check valve in said cylindrical member to permit liquid to flow from said first chamber into said second chamber during the filling of said first chamber with sealing liquid and at such other times that the pressure in said first chamber exceeds that in said second chamber, said check valve being effective to prevent fluid flow in the opposite direction, said movable member, first chamber, cylindrical passage and check valve being aligned to promote evacuation of air or fixed gases from the sealing liquid in said first chamber and said passage during said filling operation.

2,259,868
TREATMENT OF BEEF CARCASSES
Beverly E. Williams and Leon L. Cadwell, Chicago, Ill., assignors to Swift and Company, Chicago, Ill., a corporation of Illinois
Application November 21, 1938, Serial No. 241,710
7 Claims. (Cl. 99—157)

4. In the dressing of beef carcasses, the steps which comprise applying a brine moistened cloth to the freshly skinned surface of the beef, applying a second cloth over and in intimate contact with the first cloth, whereby blood and moisture pass through the first cloth to the second cloth, dissipating the animal heat of the double shrouded beef, thereafter removing the lastly applied cloth and protecting the clothed beef against evaporation.

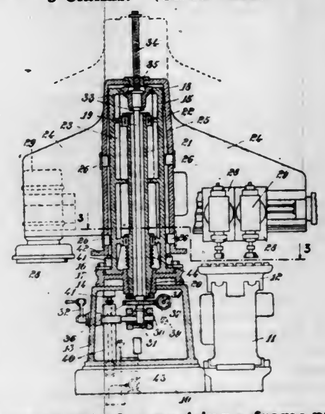


2,259,869
INSECTICIDE AND REPELLENT
Clyve C. Allen, Wichita, Kans., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application September 30, 1939, Serial No. 297,323
6 Claims. (Cl. 167—22)

1. An insecticidal and fumigating composition containing as an active constituent an alkenyl acyl sulfide.

5. An insect repellent composition containing as an active constituent an acyl sulfide.

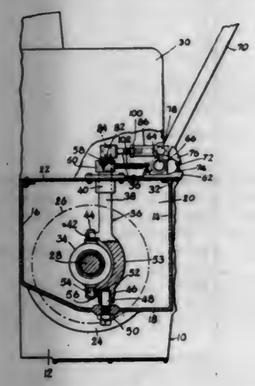
2,259,870
MACHINE TOOL
Max Ahnert, Aschersleben, Germany, assignor to Billeter & Kluns, Werkzeugmaschinenfabrik & Eisengiesserei, Aschersleben, Germany
Application July 29, 1940, Serial No. 348,229
In Germany May 25, 1939
5 Claims. (Cl. 51—166)



1. A machine tool comprising a frame provided with a seat, a column constituting a vertical guide, means for rotatably mounting said column on said seat for angular adjustment thereon, a

member slidable on said guide, threaded spindle journalled in said column and secured against axial displacement therein, a nut engaging said spindle and attached to said member, means for rotating said spindle and means carried by said frame for lifting said spindle, whereby the same spindle is adapted to raise or lower said member on said guide or to lift said column from said frame for angular adjustment thereon.

2,259,871
CLUTCH CONTROL
David B. Baker, Riverside, Clifford R. Rogers, Oak Park, and William O. Beehman, Chicago, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application July 25, 1939, Serial No. 286,380
3 Claims. (Cl. 180—9.2)

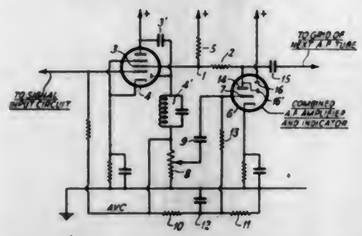


1. In a tractor having a main frame including a housing provided with top and bottom and front and rear walls forming a compartment, an operator's seat located above the compartment and having its front portion substantially in alinement with the front wall of the compartment, a control member pivotally carried above the housing on an axis substantially in the plane of the front portion of the seat, said member extending upwardly in a selected position ahead of the seat, means for adjusting the member to a selected position, a shaft disposed transversely in the compartment rearwardly of the pivot axis of the member, clutch mechanism on the shaft, clutch throw-out means in the compartment including a member rockable on a vertical axis disposed between the shaft axis and the control member pivot axis, and means inter-connecting the control member and the rockable member, said means including an arm rigidly and adjustably carried by the rockable member and adjustable linkage between the arm and the control member.

2,259,872
FLUSHING COMPOSITION
Emile L. Baldeschwieler, Cranford, and Robert D. Chew, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application November 25, 1938, Serial No. 242,280
3 Claims. (Cl. 252—171)

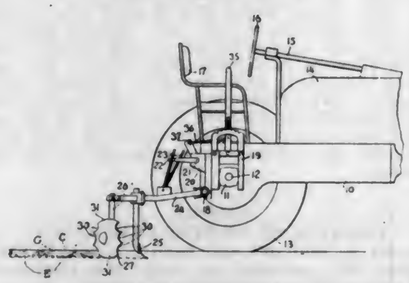
3. A flushing composition comprising 60 to 80% by volume of mineral oil of not less than 28° A. P. I. gravity having a Saybolt viscosity of 80 to 140 seconds at 100° F., 5 to 20% by volume of dichlorobenzene and 5 to 20% by volume of isopropyl alcohol.

2,259,873
INDICATOR TUBE CIRCUIT
Heinrich Baumgartner, Furthweg, Vienna, Germany, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application March 28, 1939, Serial No. 264,526
In Germany July 25, 1938
6 Claims. (Cl. 250—40)



1. In a radio receiver of the type provided with a signal carrier amplifier, a detector, an audio amplifier and a tuning indicator of the fluorescent target type; the improvement which comprises means responsive to carrier amplitude variation for controlling the gain of the carrier and audio amplifiers, means impressing the detector audio output on said audio amplifier, means responsive to space current variation of said audio amplifier for controlling the operation of said indicator, and additional means, responsive to the varying gain of said carrier amplifier, for effecting a second gain control of said audio amplifier in a sense to compensate for audio voltage amplification variation.

2,259,874
AGRICULTURAL IMPLEMENT
Bert R. Benjamin, Oak Park, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application September 14, 1940, Serial No. 356,821
15 Claims. (Cl. 97—47)

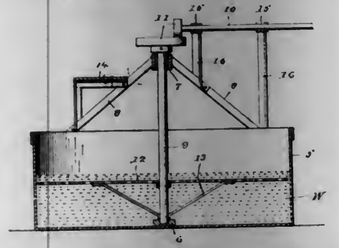


1. In combination, a frame including a ground support, a ground-working tool spaced laterally of the ground support, and a basin-forming means carried by the frame rearwardly of the ground support for forming spaced basins in the path of the ground support and adapted to deposit soil from the basins formed thereby into the path formed by the ground-working tool.

2,259,875
METHOD OF TREATING OIL AND GAS WELLS
Franklin A. Bent and Albert G. Loomis, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Original application September 9, 1936, Serial No. 99,943. Divided and this application March 25, 1940, Serial No. 325,833
8 Claims. (Cl. 252—8.5)

1. In a process for sealing off formations traversed by a well, drilling said well with an inert non-aqueous drilling fluid comprising dispersed clay and a solution of an ester of silicon in alcohol.

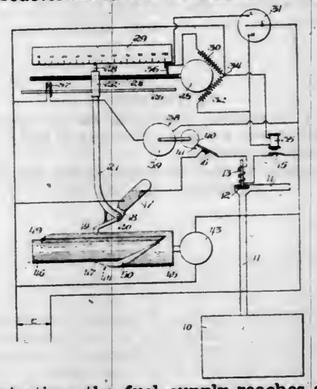
2,259,876
FROG FEEDING DEVICE
Antoine Beriand, San Quentin, Calif.
Application February 5, 1940, Serial No. 317,429
2 Claims. (Cl. 119—1)



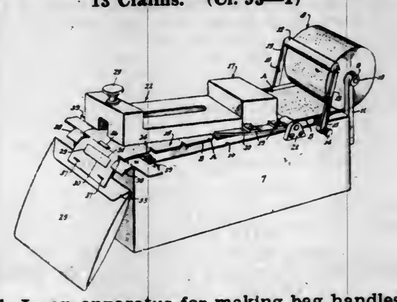
1. In a frog feeding device, an open top tank adapted to contain liquid, a bearing fixed centrally on the bottom of the tank, a plurality of radial elements extending inwardly and upwardly from the top of the tank, a bearing secured to the inner ends of the said radial elements, a shaft rotatably supported in vertical position in the said bearings, a pair of horizontally spaced bearings supported above the tank, a power shaft journaled in the said last-mentioned bearings, gear means for driving the vertical shaft through the power shaft, a flat perforated platform mounted horizontally in the tank concentrically about the vertical shaft, a plurality of braces secured to and extending radially from the bottom end portion of the vertical shaft, the said braces extending at an upward inclination and having their outer ends fastened to the medial portion of the platform to support the same approximately midway between the top and bottom of the tank, and a horizontally disposed feed deck mounted on some of the radial support elements.

2,259,877
CONTROL SYSTEM
Philip E. Cary, Chicago, Ill.
Application June 25, 1938, Serial No. 215,832
6 Claims. (Cl. 236—46)

3. In combination, a furnace, means for supplying fuel to the furnace to bring a charge within the furnace to a predetermined elevated temperature, progressively movable means for controlling and bringing the fuel supply to a minimum necessary to maintain the furnace at the said predetermined temperature, means for cutting off the fuel supplied to the furnace approximately at the point the fuel supplied to the furnace reaches the said minimum, and means connected with the fuel-supply controlling means for actuating said cutting-off means by arrival of the fuel-supply controlling means at a point predetermined as indicative of the approximate time the fuel supply reaches a minimum.

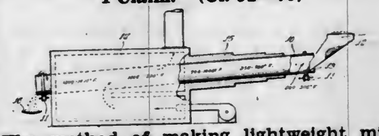


2,259,878
APPARATUS FOR MAKING AND SECURING BAG HANDLES
Roderick S. Clancy, Los Angeles, Calif.
Application April 10, 1940, Serial No. 328,883
13 Claims. (Cl. 93—1)



1. In an apparatus for making bag handles, a base, means for cutting out bag handles from double thicknesses of material mounted thereon, and means mounted on said base for fastening said bag handles each to the top of a bag.

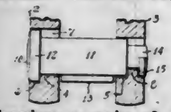
2,259,879
LIGHTWEIGHT MINERAL MATERIAL
Paul S. Denning, Joliet, Ill., assignor to F. E. Schundler & Co., Inc., Joliet, Ill., a corporation of Illinois
Application October 25, 1937, Serial No. 170,990
1 Claim. (Cl. 91—70)



The method of making lightweight mineral aggregate which comprises applying sodium silicate in liquid form to granules of exfoliated vermiculite which alone possess insufficient strength, tumbling the granules to distribute the coating thoroughly over each of the granules and while tumbling the granules heating the same to moderate temperatures to dry the coating, then subjecting the granules while in separated condi-

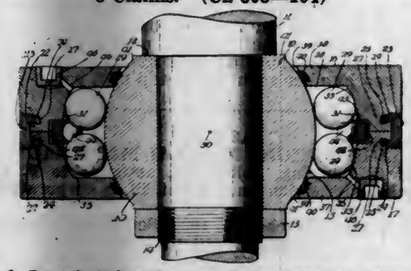
tion to temperatures high enough to convert the coating into a thin insoluble reinforcing glaze around each granule, thereby to produce discrete reinforced granules of light weight.

2,259,880
SHACKLE
Leslie G. Ehmann, Portland, Oreg., assignor to Electric Steel Foundry, Portland, Oreg., a corporation of Oregon
Application August 11, 1939, Serial No. 289,545
2 Claims. (Cl. 59—86)



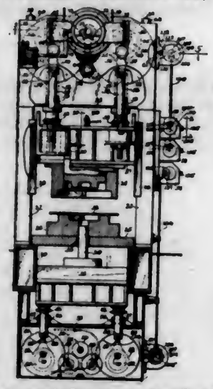
1. A shackle having a pair of arms, aligned openings in said arms, one of said openings being enlarged at the outer end thereof to form a recess in the outer surface of one of said arms, a slot extending through said one opening and opening into said recess, the radial depth of said slot not exceeding the boundary of said recess, said slot being angularly displaced from alignment with said arm, the other of said openings containing an inwardly-directed, arcuate fin extending partially therearound, and a pin adapted to fit in said openings, said pin having a projection on the shank thereof insertable through said slot, said pin having a head thereon adapted to fit in said recess so as to close said slot and form substantially a smooth surface continuous with said outer surface of said one arm, said pin terminating in a reduced portion having an arcuate fin extending partially therearound and adapted to form substantially a smooth surface continuous with the outer surface of the other arm, said shank extending into and being of a size to fill the other of said openings.

2,259,881
BALL BEARING
John W. Foley, Chicago, Ill.
Application December 9, 1940, Serial No. 369,307
8 Claims. (Cl. 308—194)



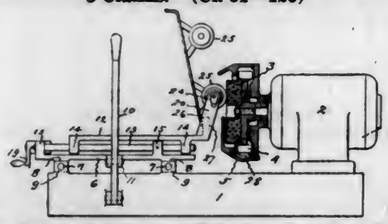
1. In a ball bearing, an inner bearing member, the outer periphery of which is convexed in the direction lengthwise of the axis thereof, an outer sectional annular bearing member, means for holding said sections together, the inner bearing surface of said outer member being concaved, a series of laterally spaced balls between and contacting the surfaces of the outer and inner members, and an outer floating bearing member, balls contacting said floating member and the adjacent first said balls, the bearing surface of the outer bearing member being tangent to the periphery of the first said balls and having a single point contact therewith, the portions of the bearing surface of the outer bearing member for each of the first said balls beyond the tangential contact point being formed on an arc described from a point in alinement with the diameter of said balls intersecting said tangential contact point, whereby said balls will be maintained against lateral displacement.

2,259,882
PRESS
Rudolph W. Glasner, Chicago, Ill.
Application July 13, 1939, Serial No. 284,242
16 Claims. (Cl. 112—38)



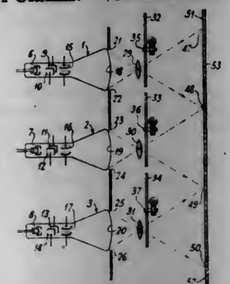
1. In a sheet metal press, a plurality of die slide members, actuating mechanisms individual to the slide members, a constantly rotating source of power from which said slides are normally disconnected, said actuating mechanisms embodying clutch devices for connecting the respective slides to the source of power to be operated thereby and for disconnecting them from the source of power whereby to obtain a dwell in the movement of the disconnected slide, means from which said connecting mechanisms are to be operated in different sequence, sequence adjusting means individual to the connecting means, and mechanism for freely and selectively setting said sequence adjusting means at any time during the cycle of operation of the press.

2,259,883
ROLLER SKATE WHEEL GRINDER
John P. Gleba, East Hartford, Conn.
Application November 26, 1940, Serial No. 367,273
5 Claims. (Cl. 51—123)



1. A grinder for conditioning the peripheral surfaces of pairs of roller skate wheels which comprises a base, a motor mounted on the base, a grinding wheel with an abrasive radial face fixed on the motor shaft and rotating in a constant plane, a carriage mounted on the base and movable in a plane transverse thereof and of the abrasive face of the grinding wheel, a table mounted on the carriage and movable longitudinally of the base and toward and from the abrasive face of the grinding wheel, a pair of arms extending upward from the end of the table that is adjacent to the abrasive face of the grinding wheel, said arms being spaced apart and moving together in the same direction toward and from the plane of the abrasive face of the grinding wheel when the table is moved longitudinally, and means at the upper ends of said arms for receiving and retaining the ends of the wheel axle of a roller skate with the axle extending transversely of the abrading face of the grinding wheel and the peripheries of the wheels on said axle in position to be subjected to the abrasive face of the grinding wheel.

2,259,884
COLOR TELEVISION SYSTEM
Alfred N. Goldsmith, New York, N. Y.
Application October 18, 1938, Serial No. 235,557
24 Claims. (Cl. 178—5.2)



1. A color television apparatus comprising means for scanning an optical image, means for transmitting electrical energy representative of the color components of said optical image, means for reproducing said optical image comprising a plurality of reproducing means for reproducing a series of contiguously positioned partial image areas arranged in rows and columns of said image, a plurality of said reproducers producing sections which when juxtaposed form the complete image, and means for translating said reproduced sections into color sections representative of said transmitted signals.

2,259,885
PETROLEUM AMINOSULPHONIC ACID, AND METHOD OF MAKING SAME
William K. Griesinger, Lansdowne, Pa., and Bernard Bettman, Buffalo, N. Y., assignors to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Original application April 6, 1938, Serial No. 200,552. Divided and this application November 22, 1940, Serial No. 366,694
4 Claims. (Cl. 260—504)

1. A water-soluble petroleum carbocyclic aminisulphonic acid having at least one nuclear side chain substituent containing from 3 to 12 carbon atoms, said acid having a molecular weight of at least 215.

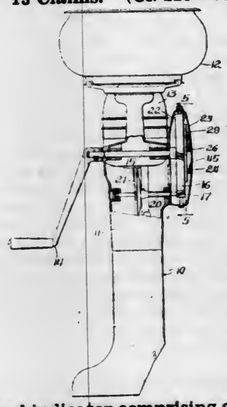
2. In the method of producing a petroleum aminosulphonic acid compound, the steps which comprise treating a petroleum distillate fraction having an initial boiling point of at least 200° F. with sulphuric acid to effect sulphonation of at least a portion of said distillate, separating unreacted distillate from the acid sludge containing water-soluble sulphonic acids resulting from the sulphonation treatment, treating the acid sludge with a nitrating agent to nitrate the sulphonic acids contained in said sludge, extracting nitrosulphonic acids from the nitration mixture with an organic solvent capable of dissolving said nitrosulphonic acids but incapable of dissolving substantial quantities of the nitration mixture, extracting the nitrosulphonic acids from solution in the organic solvent with water, neutralizing the aqueous solution of acids with sodium hydroxide, and treating the sodium nitrosulphonates with a reducing agent to reduce said nitrosulphonates to aminosulphonates.

2,259,886
METHOD OF FORMING CONTAINERS AND MATERIAL THEREFOR
Irving Gurwick, Mount Vernon, Ohio, assignor to Shellmar Products Company, Mount Vernon, Ohio, a corporation of Delaware
Application March 20, 1939, Serial No. 262,939
4 Claims. (Cl. 93—35)



1. The method of forming containers, which comprises depositing on both sides of a sheet of transparent regenerated cellulose marginal lines of a lacquer, depositing on the marginal lines of lacquer on one side of the sheet lines of a thermoplastic adhesive, folding the sheet into container form with the lines of thermoplastic adhesive in overlapping relation with respect to the lines of lacquer on the opposite side of said sheet, and applying heat and pressure thereto.

2,259,887
SPEED INDICATOR
William H. Harstick, Milwaukee, Wis., assignor to International Harvester Company, a corporation of New Jersey
Application July 25, 1939, Serial No. 286,374
13 Claims. (Cl. 116—74)

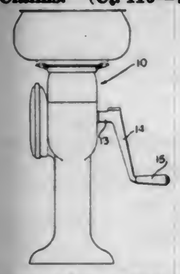


1. A speed indicator comprising a rotating part, a first member mounted for reciprocation along a line rotating with the part and approximately intersecting the axis of rotation at a substantial angle thereto, a second stationary member fixed against movement and spaced from and beneath the axis of rotation an amount less than the first member has movement away therefrom so as

to be contacted on its side toward the axis of rotation by the first member during its reciprocation, and a third stationary member spaced from the second member between 90 degrees and 180 degrees measured in the direction of rotation and from the axis of rotation an amount less than the first member has movement therefrom so as to be contacted on its side away from the axis of rotation by the first member.

12. A speed indicator comprising a rotatable part, means mounted on the rotatable part for rotation therewith and comprising a guideway extending along a line approximately intersecting the axis of rotation at approximately a right angle thereto and rotating with the part and stop means at the ends of the guideway, a member mounted on the guideway for reciprocation along the rotating line through and on both sides of the point on the line nearest the axis of rotation and being limited in its reciprocation in each direction by the stop means, a fixed part mounted at a distance from the axis of rotation of the rotatable part less than the distance of the stops from the axis and positioned to be struck by the member at least once each revolution within a predetermined speed range.

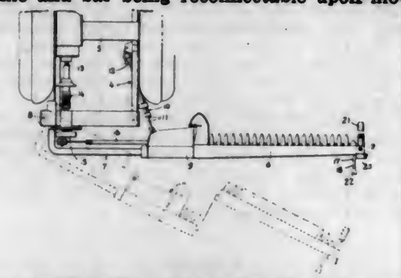
2,259,888
SPEED INDICATOR
William H. Harstick, Richmond, Ind., assignor to International Harvester Company, a corporation of New Jersey
Application July 10, 1940, Serial No. 344,741
4 Claims. (Cl. 116—74)



1. A manual operating means and speed indicator for cream separators having a horizontal driving shaft comprising a crank that consists of an arm having a horizontal portion at one end and a handle at the other end, said horizontal portion having a bore adapted to fit the driving snaft, said arm having a passageway extending lengthwise therein throughout the major portion thereof, a weight located in said passageway for free movement therein, and a combined striking plate and cover secured over the open end of said passageway in spaced relation to the said end of said passageway to cause the plate to emit a sharp click when the weight strikes same but disposed in sealing relationship to the arm to prevent ingress of dirt into the passageway and also to result in an arm having a surface contour free of obstructions.

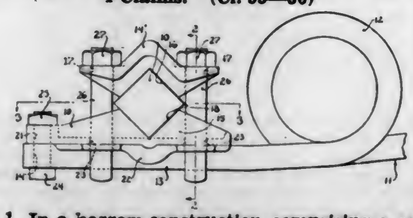
2,259,889
MOWER
Samuel E. Hillblom, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application September 29, 1939, Serial No. 297,139
5 Claims. (Cl. 56—25)

1. In a mower including a supporting frame and an obstruction-releasable cutter-bar, the frame and cutter-bar being relatively separable when the cutter-bar strikes an obstruction, the frame and bar being reconnectable upon move-



ment of the frame toward the bar, the combination with the bar of means carried thereby and engageable with the ground to deter movement of the bar when the frame is moved toward the bar for reconnection therewith.

2,259,890
TOOL BAR CLAMP
James L. Hipple, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application November 24, 1939, Serial No. 305,845
4 Claims. (Cl. 55—36)

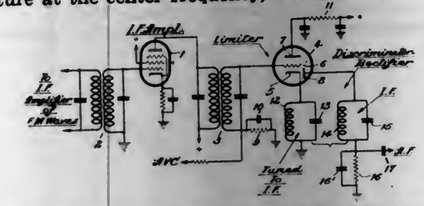


1. In a harrow construction comprising a carrying bar of rectangular section, a clamp in engagement with two sides of the carrying bar, a groove in the clamp, a tooth comprising a body portion with an end portion extending therefrom in engagement with the groove in the clamp, alined openings being formed in the clamp and the end of the tooth, a bolt provided in the openings for holding the tooth to the clamp, a cap in engagement with the other two sides of the carrying bar, eye-bolts straddling the end of the tooth and extending through alined openings formed in the clamp and the cap, and nuts on the ends of the eye-bolts for securing the tooth to the clamp and the clamp and cap to the carrying bar.

2,259,891
FREQUENCY MODULATED WAVE DETECTOR
Seymour Hunt, Jackson Heights, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application February 26, 1941, Serial No. 380,649
5 Claims. (Cl. 250—27)

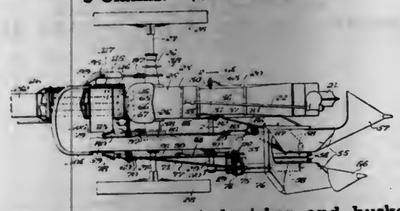
1. In an angular velocity-modulated carrier wave detection system, a tube provided with input and output electrodes, a modulated carrier voltage input circuit connected to the input electrodes, an output circuit tuned to the wave center frequency and common to the said input and output electrodes, a second circuit tuned to said center frequency and reactively coupled to said tuned output circuit whereby carrier voltages

across the coupled circuits are in phase quadrature at the center frequency, means for rectify-



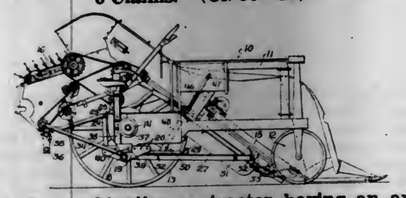
ing the carrier voltage across each of the coupled tuned circuits, and means for combining the rectified voltages in polarity opposition.

2,259,892
TRACTOR MOUNTED CORN PICKER AND HUSKER
Benjamin M. Hyman, Moline, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application March 15, 1937, Serial No. 130,916
3 Claims. (Cl. 56—18)



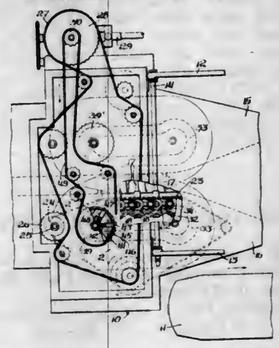
1. In a tractor mounted picker and husker, the tractor having a longitudinal body and transverse rear axle housings extending laterally from opposite sides thereof, and an outrigger support rigidly carried by the body at one side thereof in advance of a housing, the combination with the support of a picker unit rockably and detachably connected to the support alongside the tractor body, a husker unit detachably connected to the housings and supported rigidly from the rear end of the tractor, means for delivering picker corn rearwardly from the picker to the husker, a lever on the tractor including connections to adjust the picker, and a counterbalance for the picker connected between the picker and husker.

2,259,893
CORN PICKER
Benjamin M. Hyman, Moline, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application September 29, 1939, Serial No. 297,138
8 Claims. (Cl. 56—18)



1. In combination, a tractor having an axle, and a frame carried by and below the axle and adapted to be pivotally connected to a crop-treating device at one side of the axle and to be detachably connected to the device at the other side of the axle, said device being adapted to be positioned over the tractor axle with portions extending on both sides of and below the top of the axle, a cup-shaped member secured to the frame at a point on the same side of the axle as the pivotal connection, an externally threaded member rotatably supported within the cup-shaped member and a part secured to the crop-treating device and having a threaded hole engaging the threaded member whereby the frame, detached from the axle and from the portion of the device at one side of the axle, may rest upon the ground and, with the aid of the cup-shaped member, externally threaded member, and part having a threaded hole, may hold the portion of the device at one side of the tractor axle higher than the axle so as to permit the tractor to be moved away from the device.

2,259,894
COTTON PICKER
Edward A. Johnston, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application February 15, 1939, Serial No. 256,446
4 Claims. (Cl. 56—43)



1. In a cotton picker drawn by a tractor and having the picking mechanism thereof driven by means driven by the tractor, the combination with a belt on which a plurality of picking spindles are mounted, of a power drive connection therefor, and an overrunning clutch interposed in said power drive connection whereby, when the forward travel of the machine is greater with respect to the plants engaged by the belt than the peripheral speed of the belt as driven by the power drive connection, the belt may be overdriven by engagement with the plants.

2,259,895
PROCESS FOR MANUFACTURE OF ALIPHATIC CARBOXYLIC ACID ANHYDRIDES
Franz Koenig, Walldorf, near Frankfort-on-the-Main, Germany, assignor, by mesne assignments, to Chemical Marketing Company Inc., New York, N. Y.
No Drawing. Application September 17, 1938, Serial No. 230,429. In Belgium October 9, 1937
8 Claims. (Cl. 260—546)

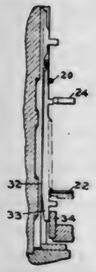
1. A process for the manufacture of the anhydride of a carboxylic acid comprising oxidizing an aliphatic aldehyde in the liquid state in the presence of oxygen-containing gases, of an acidic compound reacting as an acid stronger than said carboxylic acid, and of a salt of a polyvalent

metal selected from the group consisting of copper, silver, cobalt, nickel, iron and chromium and of the carboxylic acid corresponding to said anhydride.

2,259,896
PROCESS FOR RECOVERING NITROGEN COMPOUNDS
George Ryder Lake, Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application February 14, 1938, Serial No. 190,472
2 Claims. (Cl. 260—269)

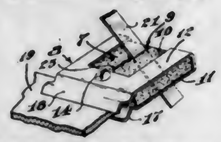
1. A process for extracting and recovering organic nitrogen bases from crude materials resulting from the treatment of petroleum, shale oil, coal tar and products obtained by the pyrolysis of cottonseed meal with halides of a metal selected from the class consisting of zinc, cadmium, mercury, lead and copper, which crude material contains impurities and complex metal salts of organic nitrogen bases, said process comprising subjecting said crude material to a plurality of extractions with water to dissolve the water soluble metal-base salts, separating the aqueous phase containing the water soluble metal-base salts after each of said extractions, contacting the water insoluble crude material, remaining after the water extraction, with an inorganic acid to dissolve the free nitrogen bases and the water insoluble metal-base salts, separating the acid phase, and introducing an alkali therein to liberate the nitrogen bases dissolved in said acid phase.

2,259,897
SELECTOR MEANS FOR KNITTING MACHINES
Robert H. Lawson, Pawtucket, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application July 11, 1935, Serial No. 30,802
6 Claims. (Cl. 66—50)



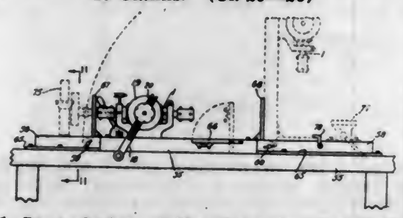
6. A knitting machine including a needle bed and knitting instrumentalities movably mounted therein, said instrumentalities being substantially straight and some of said knitting instrumentalities being mounted in the needle bed for selective movements longitudinally and transversely of the needle cylinder, selective butts variously positioned along the last mentioned instrumentalities, selective cams positioned closely adjacent to the needle bed and acting upon the said butts to impart the said selective, longitudinal movements to the instrumentalities, a cam for thereafter acting upon selectively moved instrumentalities to impart the said transverse movements thereto for the purpose of selectively controlling the character of the knitted fabric.

2,259,898
OIL STICK WIPER
Greene G. Lescher, Glendale, Calif.
Application September 6, 1939, Serial No. 293,590
4 Claims. (Cl. 15—210)



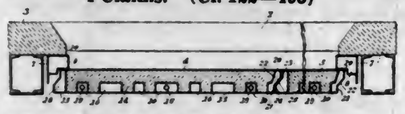
1. In an oil stick wiper, a sheet of wiping material formed with a slit leading from an edge thereof, a U-shaped holder folded to extend astride said sheet having a slot in the folded edge through which said slit is exposed, means for clamping the side members of said holder against said sheet, and jaws on the base of said holder adapted to be engaged with a support under the urge of said clamping means.

2,259,899
UNIVERSAL TOOL
Hugh Long, Los Angeles, Calif.
Application September 24, 1938, Serial No. 231,558
15 Claims. (Cl. 29—26)



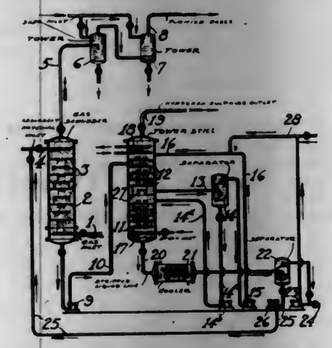
1. In a device of the character described, a shaft structure, a carriage for the shaft structure, said carriage having a saddle rest for the shaft structure, as well as arms at each end thereof, bearing members for the shaft structure, detachably supported by the arms, said structure being retained on the carriage in a detachable manner, and being removable together with the bearing members as a unit from the carriage, and means for moving the carriage in a direction parallel to the shaft structure axis.

2,259,900
FURNACE DOOR
Henry Russell Loxterman, Aspinwall, Pa., assignor to Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey
Application March 30, 1940, Serial No. 327,000
4 Claims. (Cl. 122—498)



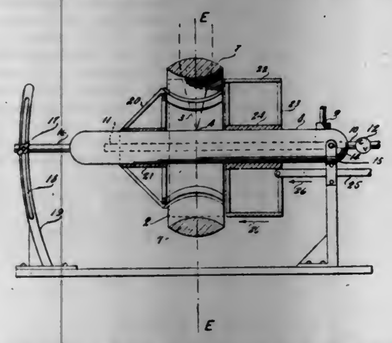
4. In a furnace having a door opening of a length substantially equal to the width of two or more doors, a plurality of doors for closing said opening positioned in end abutting relationship across the opening and movable individually vertically along the opening, adjacent ends of adjacent doors having water cooling passageways therein the adjacent walls of which have parallel engaging surfaces extending obliquely relative to the plane of said doors, and means for passing a cooling fluid through each of said passageways.

2,259,901
METHOD FOR PURIFYING GAS MIXTURES
George L. Matheson, Union, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application April 7, 1938, Serial No. 200,599
4 Claims. (Cl. 23—2)



2. A process for removing hydrogen sulfide, carbon dioxide and the like from a gas mixture containing the same which comprises washing the gas mixture in the absorption state with a solution of an alkali salt of dichlorphenate and free dichlorphenol for the removal of hydrogen sulfide, carbon dioxide and the like, removing the solution together with the thereby liberated chlorinated phenol and heating while blowing with steam to drive off hydrogen sulfide, carbon dioxide and the like therefrom and regenerating the absorbent properties of the solution.

2,259,902
SOLAR HEATER
John David McCain, Phoenix, Ariz.
Application October 17, 1938, Serial No. 235,471
2 Claims. (Cl. 126—271)



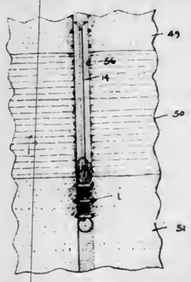
1. A solar heater comprising, in combination, an annular glass refractor lens having a convex section adapted to focus the sun's rays on a focal area within an annular space surrounding its axis of curvature and between said axis and the body of the lens, a generator adapted to contain liquids to be vaporized comprising a closed vessel provided with outlet and inlet connections positioned with a portion thereof within the focal area of said refractor lens, and means of support for said refractor lens and said generator, whereby they may be adjusted to maintain the axis of said lens substantially perpendicular to the plane of the ecliptic.

2,259,903
FOLDING AWNING
William P. McCarthy, Los Angeles, Calif.
Application July 31, 1940, Serial No. 348,785
3 Claims. (Cl. 156—15)



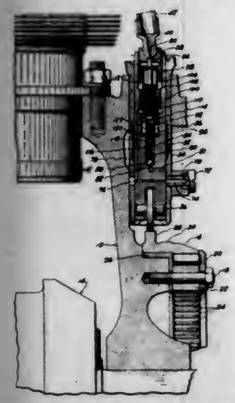
1. A visor comprising an awning like structure consisting of a pair of rigid sections, swingable mounting means for one of the sections, the other section interlapping the complementary section and being swingably connected thereto at said interlapped portion, said sections being provided with side walls, said sections being swingably connected together to be swung with their side walls together, a brace member having one end pivotally secured to a stationary structure and its other end pivotally connected to the last mentioned section, means mounted adjacent the swingable mounting of the first mentioned section, and a line disposed over said means and downwardly to connect to the second mentioned section.

2,259,904
METHOD AND APPARATUS FOR LOGGING BORE HOLES
Bernard F. McNamee and Frank Rieber, Los Angeles, Calif.
Application January 17, 1938, Serial No. 185,266
18 Claims. (Cl. 175—182)



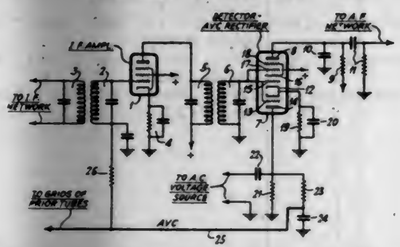
3. The method of bore hole logging which comprises the steps of traversing a section of bore hole with a magnetizer, subsequently traversing the same section of the bore hole with a pick-up and obtaining indications of the response of said pick-up.

2,259,905
VALVE TAPPET
Veon I. Moncrieff, West Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application March 15, 1940, Serial No. 324,165
9 Claims. (Cl. 123—90)



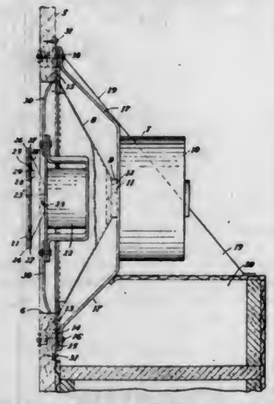
1. An adjustable valve tappet comprising, a cam actuated reciprocable portion, an adjustable abutment screw threaded into one end of said reciprocable portion on low pitch irreversible screw threads, fluid pressure actuated means for rotating said abutment relative to said reciprocable portion to adjust the length of said tappet, and means operative only when the length of said tappet is insufficient for applying fluid pressure to said pressure actuated means.

2,259,906
AUTOMATIC GAIN CONTROL CIRCUIT
Herbert M. Neustadt, Nutley, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 7, 1939, Serial No. 298,357
8 Claims. (Cl. 250—20)



8. In a radio receiving system of the type comprising a signal transmission tube and a succeeding detector stage, said detector stage including an electron discharge tube which comprises a cathode and at least two output electrodes, a signal input circuit coupled to the output of said signal transmission tube, an audio voltage output circuit coupled to one of said output electrodes, an alternating voltage source of a frequency substantially different from the signal input circuit frequency coupled solely between and to said cathode and the second output electrode, said source being a portion of the system other than the circuit of said one output electrode, a load impedance connected between the cathode and said second output electrode for developing thereacross a uni-directional voltage which is derived from rectified alternating voltage from said source, means for applying the uni-directional voltage to said signal transmission tube to control the gain thereof, and means connected to said signal input circuit for controlling the electron flow to each of said output electrodes thereby to produce audio voltage in said audio voltage output circuit and to vary the magnitude of said uni-directional voltage across said load impedance.

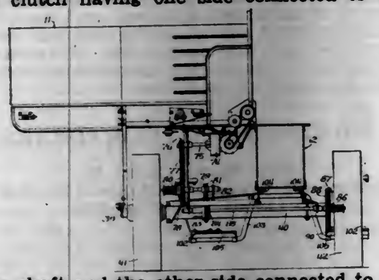
2,259,907
SOUND REPRODUCING SYSTEM
Benjamin Olney, Brighton, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a corporation of New York
Application November 3, 1939, Serial No. 302,729
4 Claims. (Cl. 181—31)



1. In a sound reproducing system, a loud speaker of the cone diaphragm type designed to reproduce sound in the lower portion of the audio frequency range, a second loud speaker of the cone diaphragm type designed to reproduce sound in the higher portion of the audio frequency range, said last-mentioned diaphragm being flexibly supported at its edge and at its apex, said second loud speaker being nested in the hollow of the diaphragm of said first loud speaker and means for resonating said second loud speaker in the lower part of the audio frequency range reproduced by it, said resonating means comprising the mass of the flexibly supported portion of said second loud speaker together with the stiffness of the confined air adjacent the back surface of the diaphragm of said second loud speaker.

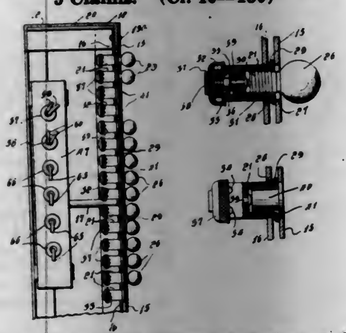
2,259,908
PICKUP BALER
Russell R. Raney, Auburn, N. Y., assignor to International Harvester Company, a corporation of New Jersey
Application December 1, 1938, Serial No. 243,412
3 Claims. (Cl. 56—364)

1. In combination, means for gathering cut material, a wheel connected thereto and adapted to travel over the ground, a power unit, a pair of shafts mounted on the gathering means, a driving connection between the shafts and gathering means, a first overrunning clutch having one side connected to one shaft and the other side connected to the power unit, and a second overrunning clutch having one side connected to the



other shaft and the other side connected to the wheel.

2,259,909
CHANGEABLE ILLUMINATED SIGN
George F. Reed, Pittsburgh, Pa., assignor to Myrtle M. Reed, Pittsburgh, Pa.
Application July 27, 1940, Serial No. 348,003
5 Claims. (Cl. 40—130)

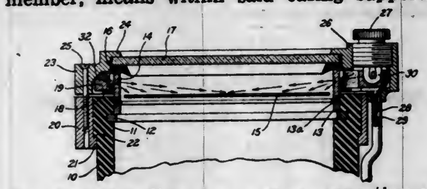


4. In a changeable illuminated sign, a frame structure including front and rear wall members, the front wall member being formed of spaced front and rear panels having a plurality of registering openings therein, lamp sockets mounted in the openings in the rear panel and having flanged heads clamped between the panels for the support of the lamp sockets, said sockets being arranged in separate lines with the sockets of each line connected in parallel, plug-in strips carried by the rear wall member, said plug-in strips being in communication with a source of electrical energy, selective conductor wire connections between the separate lines of sockets and plug-in strips, said sockets adapted to removably receive lamps in predetermined groups for changeable display purposes, and advertising characters of sheet form mounted on the front wall member and having openings therein registering with adjacent openings in said front wall member for the passage of lamps with the latter retaining the advertising characters in position on the front wall.

2,259,910
SEALING AND ILLUMINATING MEANS FOR INDICATING INSTRUMENTS
Gregory V. Rylsky, New York, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application September 13, 1938, Serial No. 229,746
15 Claims. (Cl. 73—151)

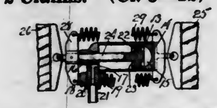
3. In a device of the character described, a cas-

ing having an opening therein, means providing a shoulder on said casing, a first retaining element surrounding said casing and abutting said shoulder, a second retaining element provided with a flange, a cover-glass beneath said flange for sealing the opening in said casing, a first sealing ring beneath said cover-glass, a transparent ring-shaped member beneath said sealing ring, a second sealing ring beneath said transparent member, means within said casing supporting



said second sealing ring, means connecting said first retainer and said second retainer, a light-conducting and light-emitting member surrounding said transparent member, means for introducing light into said light-conducting member, and a shield between said light-conducting member and said transparent member whereby light is prevented from emerging from said casing at such an angle as to meet the eye of an observer reading the instrument.

2,259,911
MECHANISM FOR OPERATING ARTIFICIAL LIMBS
William L. Tancred and William Henderson, Wethersfield, Conn.
Application October 11, 1937, Serial No. 168,353
2 Claims. (Cl. 3—12)



1. In combination with an artificial hand, a pressure chamber in said hand, a bore communicating with said pressure chamber, a plunger in said bore, a finger pivotally attached to said hand, a thumb pivotally attached to said hand, levers projecting from said finger and thumb one of said levers underlying the other for operation thereby, an operative connection between said plunger and levers, and means for creating pressure within said pressure chamber.

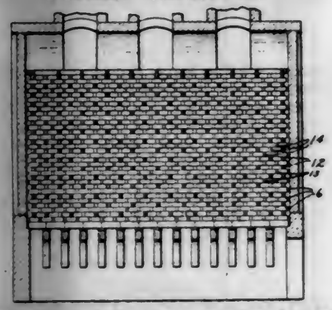
2,259,912
AIR COOLED PICKING SPINDLE
Richard G. Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application February 1, 1941, Serial No. 377,024
8 Claims. (Cl. 139—158)



1. In a loom having a backwardly and forwardly reciprocating lay on which is mounted a hollow picker spindle which is heated by sliding of a shuttle picker therealong, a hollow member mounted on the lay having the interior thereof in communication with one end of the interior of the spindle and having a forwardly facing

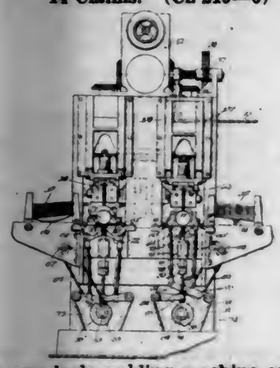
mouth exposed to the atmosphere, and a second hollow member having the interior thereof in communication with the interior of the other end of the hollow spindle and having a rearwardly facing mouth exposed to the atmosphere, motion of the lay either backwardly or forwardly creating super-atmospheric pressures at the mouth of one of said members and sub-atmospheric pressures at the mouth of the other member to cause a flow of air through the hollow spindle to cool the same.

2,259,913
CHECKERWORK
Harry W. Walters, Cincinnati, Ohio
Application July 5, 1940, Serial No. 343,955
4 Claims. (Cl. 263—51)



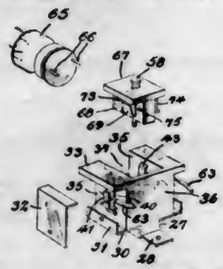
1. Checker work for regenerative furnaces or the like, having spaced parallel walls, each composed of successive rows of brick laid with their ends spaced apart to form openings connecting the flues formed by the walls and with the brick of successive rows breaking joints, and wall tying members in mutually staggered relation mounted in alternate openings of alternate rows to provide diagonal series each comprising alternate openings and tie members and diagonal series of openings alternating with said first series.

2,259,914
DUPLEX CAN BODY WELDING MACHINE
Andrew Weisenburg, Philadelphia, Pa., assignor to Crown Can Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 7, 1938, Serial No. 200,732
14 Claims. (Cl. 219—6)



12. A can body welding machine comprising a pair of mandrel electrodes adapted to support cylindrical can bodies, a pair of wheel electrodes positioned opposite the side seams of the bodies, a single transformer permanently connected to both pairs of electrodes, means for alternately moving the wheel electrodes into contact with bodies on the mandrel electrodes and for alternately moving the wheel electrodes longitudinally of the side seams thereof, and means operating in timed relation to the electrode moving means for interrupting the flow of current to the primary side of the transformer between each two welding operations.

2,259,915
MOUNTING FOR TUBULAR ELECTRIC LAMPS
John Weritz, Cicero, Ill.
Application February 2, 1939, Serial No. 254,279
5 Claims. (Cl. 173—328)



1. A mounting for electric lamps consisting of two receptacles having contacts therein and permanent electric connections thereto, respective plugs insertable and removable from the receptacles having lamp supporting contacts therein and electrically continuous contacts constructed to coengage the first named contacts by insertion of the plugs in the receptacles, said lamp supporting contacts including a pin-receiving eye substantially rigid on the plug, and a second pin-receiving member open laterally and including a resilient side portion yieldable to a pin rotated around the said eye for wiping contact therewith, and manual means to releasably secure the plugs in the receptacles.

2,259,916
GOLF PRACTICE PUTTING DEVICE
Clarence W. Wheeler and Zinn S. Daniels, Vancouver, Wash.
Application April 19, 1938, Serial No. 202,941
2 Claims. (Cl. 273—35)



1. Registering mechanism for use in a game apparatus in which play balls are projected over a playing surface to a ball receiving means at one end of said surface, comprising a rotating numbered disk, an electrically operated means for imparting step by step rotation to the disk, resilient means which is placed under tension during the step by step rotation of the disk, an electrically releasable means for holding the disk against reverse rotation under the urge of the tensioning means, means whereby electric current may be supplied to said step by step actuating means for the disk, a normally open switch controlling the supply of current to the step by step actuating means, said switch being arranged to be momentarily closed by a ball passing through said receiving means, means for supplying electric current to said releasing means, a normally open switch controlling the flow of

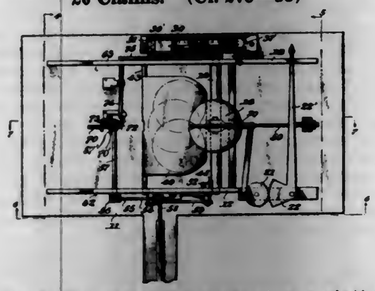
electric current to said releasing means, a control switch governing the passage of electric current from a source to the said means for supplying current to the step by step actuating means and the disk release means, and a single control means for effecting the successive closing of the control switch and the switch controlling the flow of current to said disk releasing means and the subsequent immediate opening of the last mentioned switch.

2,259,917
SKEIN HOLDER
Leonard A. Wiggins, Akron, and Robert Patterson, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application October 24, 1940, Serial No. 362,570
4 Claims. (Cl. 24—16)



4. A holder for a skein of strand material subject to entanglement of the strand material within the skein, said holder comprising a band of elastic material for encircling the skein, fastening means therefor, and an element of relatively stiff material slidably mounted on the band means, said element having a projection thereon for entering the skein between the strands thereof for partitioning the skein into smaller groups of the strands and thereby reducing the range of movement of the strands within the skein.

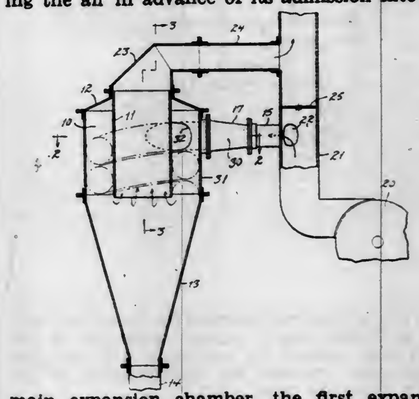
2,259,918
GOLF PRACTICING APPARATUS
Harrison C. Young, Hoxsie, R. I.
Application February 19, 1941, Serial No. 379,700
20 Claims. (Cl. 273—35)



1. In a golf practicing apparatus, a stationary base, a horizontal shaft journaled in immovable bearings in said base, a ball, an upstanding lever carrying said ball, means for securing it to said shaft for arcuate movement in a plane transverse thereto in response to a correct and direct drive and also to swing bodily longitudinally of the shaft to an inclined path in response to a hook or slice drive, upon rotation of said shaft.

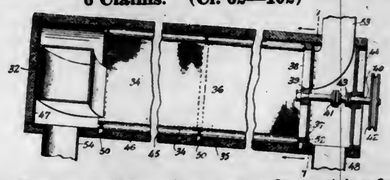
2,259,919
DUST COLLECTOR
Hollis P. Bacon, Cleveland Heights, and Lawrence A. Eiben, Cleveland, Ohio, assignors to Northern Blower Company, Cleveland, Ohio, a corporation of Ohio
Application January 23, 1939, Serial No. 252,272
1 Claim. (Cl. 183—83)

A cyclonic dust collector having a main cylindrical expansion chamber and a cylindrical baffle extending coaxially thereof and positioned therein and extending downwardly from the top of the main chamber, and having a funnel-shaped vortex chamber below the main expansion chamber, an air admission conduit connected to the main expansion chamber, said conduit having one side thereof extending tangentially to the exterior wall of the main expansion chamber, said air admission conduit having means for expanding the air in advance of its admission into the



main expansion chamber, the first expansion means comprising a tapered member having a base, the horizontal cross-sectional dimension of which is substantially equal to the radial distance between the outer surface of the baffle and the inner surface of the main expansion chamber, and the bottom of the air admission conduit being spaced above the bottom of the baffle by an amount at least equal to the vertical cross-sectional dimension of the base of the air admission conduit.

2,259,920
ICE MAKING APPARATUS
Alvin H. Baer, South Orange, N. J.
Application January 3, 1939, Serial No. 249,103
6 Claims. (Cl. 62—102)

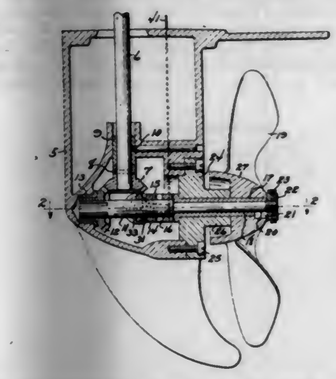


1. Drying and freezing means for wet ice fragments and the like comprising an inclined perforate cylinder, a heat-insulating casing for said cylinder and spaced therefrom, feeding means, means for rotating said cylinder on its axis, and means for supplying a current of cold gas to said cylinder.

2,259,921
TRANSMISSION FOR OUTBOARD MOTORS
Harold H. Blankshain, Chicago, Ill.
Application March 10, 1939, Serial No. 261,088
2 Claims. (Cl. 192—67)

1. A drive gear for outboard motors, comprising a vertically disposed housing having an opening in its upper end, a vertically disposed drive shaft mounted in a bearing within the housing, a beveled gear carried by the shaft below the bearing, an enlarged passage arranged in the side wall of the housing, a removable bearing

secured in said passage, a shaft passing through the bearing having an enlarged sleeve engaging the inner face of the bearing, a gear mounted on the inner end of the shaft and journaled in bearings carried by the housing and meshing



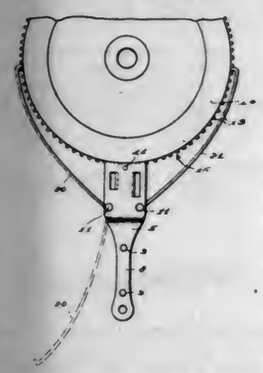
with the beveled gear carried by the drive shaft, and a sliding clutch member mounted on the shaft and adapted to intermesh with the enlarged sleeve, whereby the shaft is locked or unlocked from the drive shaft.

2,259,922

FLYWHEEL ROTATING TOOL

Chester P. Bohlander, Pritchett, Colo.

Application March 26, 1940, Serial No. 326,070
4 Claims. (Cl. 81—90)



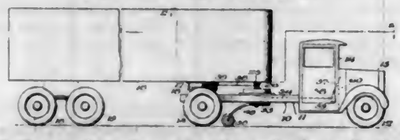
1. A tool for rotating a toothed fly-wheel, comprising a handle including spaced parallel sides at its outer portion, fixed means at the outer portion of the handle for engaging the teeth of the fly-wheel, a pair of jaws pivoted intermediate their ends between said parallel sides of the handle and projecting outwardly from opposite sides of the handle, the outer ends of the jaws being adapted for gripping engagement with the fly-wheel, spaced guide members between the parallel sides of the handle and spacing said sides apart, a spring retainer slidably positioned between said guide members and bearing against the inner ends of said jaws and a spring acting on the retainer to urge the jaws into gripping position.

2,259,923

TRUCK AND TRAILER CONTROL

Aelred A. Byrne and James C. Carey, Louisville, Ky.

Application June 8, 1940, Serial No. 339,564
8 Claims. (Cl. 280—33.1)



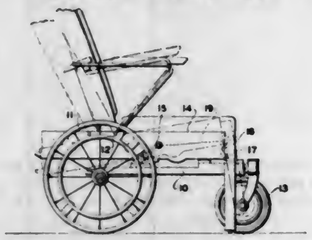
8. In combination a tractor vehicle and a trailer vehicle, a fifth wheel connection between said vehicles, retarding means carried by one of said vehicles and operative on said fifth wheel to retard relative rotation between said tractor and trailer vehicles, and means including a ground engaging element mounted on one of said vehicles and responsive to sudden relative lateral movement between said vehicles for controlling said retarding means.

2,259,924

BRAKING MEANS FOR INVALID CHAIRS

Frederick W. Connolly, Washington, D. C.

Application December 11, 1939, Serial No. 308,557
4 Claims. (Cl. 188—109)



1. An invalid chair having forward and rearward supporting wheels, a seat section movable about an approximately horizontal axis located between said forward and rearward wheels; at least one leg carried by said seat section forward of said axis, and braking means for one or more of said rearward wheels connected with said seat section; said seat section being movable about said axis under control of an occupant of the chair to thereby shift both said leg and said braking means from an active position to an inactive position and vice versa.

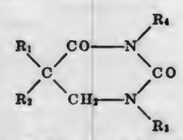
2,259,925

MANUFACTURE OF COMPOUNDS OF THE HYDROURACIL SERIES

Otto Dalmer, Claus Diehl, and Hartmann Pieper, Darmstadt, Germany, assignors to Merck & Co. Inc., Rahway, N. J., a corporation of New Jersey

No Drawing. Application January 18, 1939, Serial No. 251,598. In Germany January 3, 1933
13 Claims. (Cl. 260—260)

1. A hydrouracil compound having the general formula



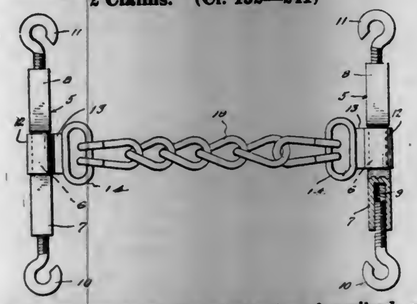
in which one of R_1 and R_2 is a lower alkyl radical and the other is phenyl, and R_3 and R_4 are selected from the group consisting of hydrogen and lower alkyl radicals, at least one of R_3 and R_4 being hydrogen.

2,259,926

TIGHTENING DEVICE FOR ANTISKID CHAINS

William Delvo, Manitowoc, Wis.

Application February 1, 1941, Serial No. 377,058
2 Claims. (Cl. 152—241)



1. In a device of the character described, an adjusting device for antiskid tire chains of a type including side and cross chains, said adjusting device comprising a round body portion having elongated end extensions each of which is substantially square in cross section, a rotatable member mounted on said round body portion intermediate the ends thereof, means for securing said rotatable member to the cross chain and an adjustable member at each elongated end extension adapted for connection with the adjacent ends of the side chain.

2,259,927

BRUSH HOLDER FOR RECEPTACLES

Elmarion S. Dunton, Woodland, Calif.

Application October 2, 1940, Serial No. 359,443
2 Claims. (Cl. 15—121.2)



1. A device of the character described, comprising a receptacle, and a brush supporting tray secured at an angle across the top edge of the side wall of the receptacle, a portion of said tray extending downwardly into the receptacle, said tray including a bottom wall, side walls, and a foot wall, the foot wall extending across the lower part of the tray perpendicular to the bottom wall and within the receptacle and having apertures therethrough by which fluid may pass back into the receptacle from a brush disposed in the tray.

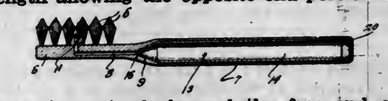
2,259,928

FOUNTAIN TOOTHBRUSH

Diman B. Eaton, Salem, N. H.

Application June 7, 1940, Serial No. 339,381
1 Claim. (Cl. 15—136)

A toothbrush comprising a hollow handle, a brush head extending from one end of the handle, said head having a valved duct extending from the bristle side of the head to communicate with the adjacent end of the hollow handle, said hollow handle being formed with a tapered seat at the point where the duct communicates with the interior of the handle, an elongated liquid dentifrice containing cartridge frictionally fitting in the handle and being provided with a tapered discharge end snugly seating against the tapered seat in the handle, said cartridge being of a length allowing the opposite end portion of the



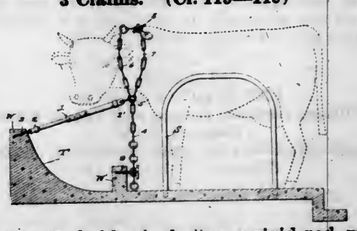
same to protrude beyond the free end of the hollow handle when the tapered end of the cartridge is snugly seated against the seat of the handle, and a cylindrical compressible cap overlapping the protruding end portion of the cartridge and being of an external diameter equivalent to the external diameter of the hollow handle, said cap being free from connection with the handle whereby said cartridges may be pulled out of the handle by grasping said cap.

2,259,929

CATTLE HOLDER

George P. Evans, Hellam, Pa.

Application February 13, 1941, Serial No. 378,828
3 Claims. (Cl. 119—119)



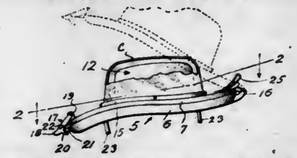
1. A cattle holder including a rigid rod, means for pivotally anchoring the rod at one end for up and down and lateral swinging movement, a flexible restraining device connected to the other end thereof, means for anchoring said device, and means for embracing the neck of an animal to support the rod and flexible element at their connected ends and close to the neck of the animal.

2,259,930

HAT RECEPTACLE

Alek J. Gawelek, Detroit, Mich.

Application April 21, 1941, Serial No. 389,677
1 Claim. (Cl. 223—84)



A device of the character described, comprising, a hat supporting base equipped with a pair of hinged complementary sections having opposed faces for engaging the oppositely disposed surfaces of a hat brim, one of said sections formed with an aperture for receiving the crown of a hat having its brim disposed between said sections, said last mentioned section having the marginal edge defining said aperture formed with a circumferential flange, a dome-shaped cover adapted

to cover the crown of the hat and having its open end detachably secured to said flange, means securing said sections together in clamped relation about said brim whereby to retain the shape of the brim, said base provided with feet for maintaining said base in spatiality above the supporting surface to permit a circulation of air under said base, both of said sections provided with air holes for admitting air to the brim of the hat clamped therebetween to insure quick drying of the brim when in a damp condition.

2,259,931

FOUNTAIN COMB OR LIQUID APPLICATOR

Frederick C. Griffith, Buffalo, N. Y.

Application March 17, 1941, Serial No. 383,722
7 Claims. (Cl. 132—13)



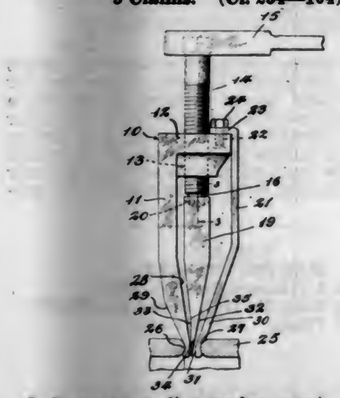
1. In a fountain comb comprising a body forming a liquid receptacle, and a tooth projecting therefrom and having a liquid discharge passage communicating with the receptacle, a cap movably mounted on and covering the outer end of the tooth and having a smooth imperforate outer end adapted to contact the scalp and providing an escape opening spaced back from the outer end of the cap for the discharge of the liquid, and means actuated by said cap for controlling the discharge of liquid from the tooth.

2,259,932

EXPANDING WEDGE

William Hejduk, Bronx, and Frank Ruoff, Yonkers, N. Y.

Application May 29, 1940, Serial No. 337,928
5 Claims. (Cl. 254—104)



5. In an expanding wedge, a pair of jaws constructed for insertion and retention within an opening, a wedge member between the jaws and movable longitudinally thereof beyond the extremity of the jaws, and said wedge having inwardly tapering side faces cooperative with the jaws for expanding the jaws when extended therebetween and beyond.

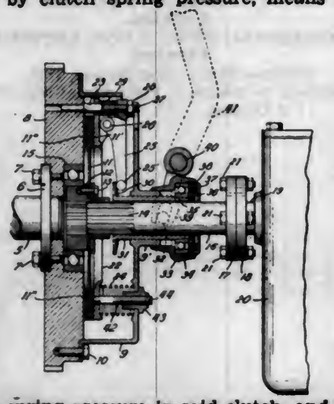
2,259,933

CLUTCH COUPLING FOR MOTOR VEHICLES

John O. Holloway, Mahomet, Ill.

Application February 20, 1939, Serial No. 257,401
2 Claims. (Cl. 192—110)

1. In a clutch coupling for motor vehicle transmissions, a transmission shaft, clutch means mounted on said shaft, means to releasably attach shaft to gear case in-put shaft on one end, a slidable bearing pilot on the opposite end of the shaft, said bearing pilot being retained in position by clutch spring pressure, means to re-



strain spring pressure in said clutch, and means to telescope the clutch and bearing pilot along the coupling shaft, to permit the shaft and clutch to be completely removed as a unit for replacement and repairs without disturbing any other mechanism.

2,259,934

OIL-SOLUBLE HIGH-MOLECULAR WEIGHT COMPOUNDS AND PROCESS FOR THEIR PREPARATION

Hendrik Willem Huijser and Christiaan Nicolaas Jacobus de Nooijer, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application February 27, 1937, Serial No. 128,279. In the Netherlands March 24, 1936
22 Claims. (Cl. 260—89)

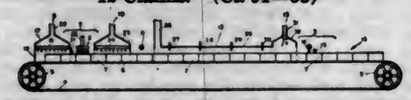
1. A process for the production of valuable high-molecular weight polar compounds soluble in hydrocarbon oils which comprises condensing an unsaturated hydrocarbon of the general formula C_nH_{2n} with a polyolefinic organic compound containing at least one polar radical in its molecule.

2,259,935

METHOD OF AND APPARATUS FOR ENAMELING

Wallace C. Johnson, Shaker Heights, Ohio

Application August 27, 1940, Serial No. 354,418
12 Claims. (Cl. 91—55)



7. In apparatus for the vitreous enameling of non-metallic articles, the combination with conveyor means for carrying the work objects past a plurality of treating means, for the work surface to be enameled, said means being adjacent such conveyor and respectively comprising; means for applying a finish coat to the work surface; means for drying and preheating the finish coat; a flash fire means where the finish coat is fused by being subjected to a temperature on the order of about 2800° F. for a period on the order of about thirty seconds; and a water

quenching means where the finish coat while in highly heated condition is subjected to shock chilling.

2,259,936

PROCESS OF PREPARING DUROHYDROQUINONE

Fritz Jung, Darmstadt, Germany, assignor to Merck & Co. Inc., Rahway, N. J., a corporation of New Jersey

No Drawing. Application July 26, 1938, Serial No. 221,445. In Germany July 30, 1937
5 Claims. (Cl. 260—621)

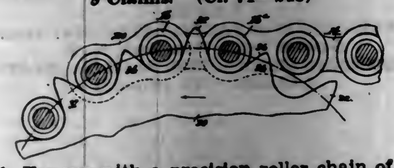
1. The process comprising treating duroquinone in an organic solvent with hydrogen in the presence of a noble metal hydrogenation catalyst, at a temperature between room temperature and 60° C.

2,259,937

ROLLER CHAIN SPROCKET WHEEL

Hermann Klaucke, Worcester, Mass., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin

Application February 5, 1940, Serial No. 317,206
9 Claims. (Cl. 74—243)



1. For use with a precision roller chain of the straight side bar type including roller links connected by hinge pins, and links connecting the pins, wherein wear of the chain tends to elongate the chain as a whole and to increase the pin link pitch while the roller link pitch remains constant; a sprocket wheel for said chain having teeth each adapted to be engaged by the link rollers, said teeth comprising a primary series of substantially symmetrical teeth and a secondary series of teeth alternating with the first series and having profile edges sloping at a greater angle to a normal than those of the primary teeth to compel the roller chain passing about the wheel to move on a true pitch circle regardless of wear or elongation of the chain, the primary teeth being adapted to be straddled by the pin links and the secondary teeth being adapted to be straddled by the roller links.

2,259,938

FILTER DEVICE

Thurman J. McLeish, Dighton, Kans.

Application July 18, 1940, Serial No. 346,208
5 Claims. (Cl. 183—15)



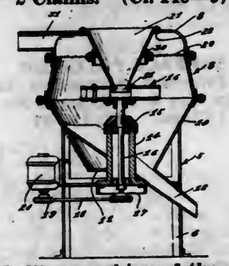
1. An air cleaner, comprising an elongated horizontally disposed housing body having a top opening and having a pan-like bottom forming a sump extending throughout the length of the body, a receptacle having downwardly converging imperforate side and end walls suspended within the body from the edge of said top opening, the receptacle being open at its top and bottom and having its bottom opening disposed with respect to said sump to be immersed in fluid in the sump, a filter material filling the receptacle, said receptacle walls having at their lower edges inwardly and upwardly directed bordering rims, screens covering the open top and bottom of the receptacle, a hood-like cover overlying the open top of the body and of the receptacle, an air outlet conduit leading from said cover, and an air introducing conduit passing through a wall of the housing body and extending inwardly toward and terminating in close proximity to the adjacent side of the filter material receptacle for conducting the air downwardly into the fluid containing sump to pass through the fluid therein and into the said receptacle through the open bottom thereof.

2,259,939

NUT SHELLING MACHINE

Henry V. Garcia, San Antonio, Tex., assignor to Southern Pecan Company, San Antonio, Tex.

Application September 9, 1940, Serial No. 356,052
2 Claims. (Cl. 146—9)



1. In a shelling machine of the character described, a supporting structure, a casing carried by said supporting structure and including upper, intermediate and lower sections detachably connected, with the lower section of substantially conical shape and the intermediate section converging toward its upper end and the upper section of substantially dome shape and provided with a centrally arranged opening, a hopper extending through the opening and supported by the upper section, a shaft journaled in said casing, an impeller secured to said shaft and receiving axially thereof nuts from the hopper and discharging said nuts by centrifugal force against the walls of the intermediate and lower sections of the casing to bring about dislodgment of the kernels or meat of the nuts from the shells, a chute extending from the lower section, means for rotating the shaft, a screen supported in the casing by being disposed between the upper and intermediate sections and having a centrally arranged collar to engage and permit the hopper to extend through the screen to the impeller, and an air outlet pipe connected with the upper section.

2,259,940

PIPE JOINT GASKET

Tracy D. Nathan, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application April 16, 1940, Serial No. 329,919
3 Claims. (Cl. 288—5)

1. A pressure fluid sealing gasket for an annular tapered joint space between inner and outer pipe members to seal the tapered space by a wedging of the gasket therein under the force of fluid pressure behind the gasket, said gasket being in one piece of resilient rubber-like mate-

rial and having inner and outer lips at its rear end adapted to engage the inner and outer walls, respectively, of said space, the inner lip projecting rearward and radially inward and the outer lip projecting rearward and radially outward of the body of the gasket, and both lips tapering to edges adapted to remain against the walls of said space to bar the pressure fluid and utilize the same to urge the gasket forwardly to wedge in said space, a projecting portion at a peripheral



face of the gasket, axially-spaced from said lips for non-interfering action, adapted to engage the adjacent wall of the space to resist rearward movement of the gasket in said space from its forward wedged position, said projecting portion providing a locally radially thickened zone of the gasket adapted to be deformed when the gasket is driven forwardly into the space and the gasket having a recess at said thickened zone to reduce its resistance to deformation.

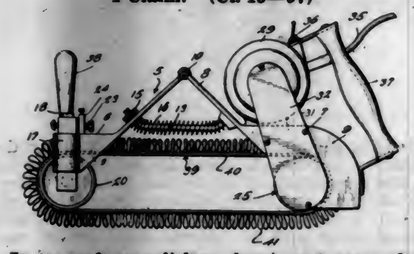
2,259,941

SURFACE POLISHER

Ely Primeaux, Alexandria, La.

Application May 4, 1940, Serial No. 333,379

1 Claim. (Cl. 15—97)



In a surface polisher, front and rear plates having angularly disposed portions arranged in converging relation, a rod pivoted to one of said angularly disposed portions and slidable through the other angularly disposed portion, a nut threaded on said rod, a hinge connecting said angularly related portions, an expansion spring carried by said rod and bearing against the angularly disposed portions, a vertically arranged front axle shaft journaled on the front plate, a front axle fixed to said shaft and extending at right angles thereto, a rear axle secured on the rear plate, drums journaled on said axles and underlying said plates and arranged transversely thereof, an endless element trained over said drums and kept taut by said spring, an arm secured on the shaft and overlying the said front plate, adjusting means carried by the front plate and engaging said arm for adjusting the front drum relative to the rear drum, and means for driving said rear drum and supported by the rear plate.

2,259,942

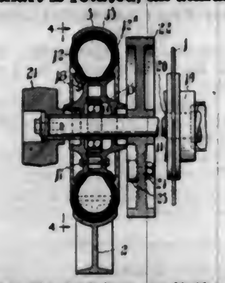
VIBRATORY SCREEN

Robert Stroud, Toronto, Ontario, Canada, assignor to Niagara Screens & Machines Limited, Toronto, Ontario, Canada

Application February 7, 1940, Serial No. 317,629

2 Claims. (Cl. 209—326)

2. A screening apparatus comprising a base; a screen frame resiliently mounted on said base; and means for imparting gyratory movement to said screen frame, including a shaft, a bearing for said shaft, a bearing carried by said screen, an eccentric on said shaft journalled in said screen frame bearing to gyrate the screen frame when said shaft is rotated, an annular pneumatic



tube, a valve adapted to permit the inflating and deflating of said tube and thereby regulating the resilience thereof, an outer seat for said tube carried by the base, and an inner seat for said tube carrying the shaft bearing.

2,259,943

APPARATUS FOR FABRICATING MACARONI

Aurelio Tanzi, New York, N. Y.

Application March 5, 1940, Serial No. 322,332

4 Claims. (Cl. 107—22)



1. In a device of the class described, means for feeding a supply of dough in a preformed relatively broad strip or web, means to divide said web into a plurality of individualized strip portions, a series of devices each adapted to fabricate individual tubular macaroni parts from said individualized strip portions, means to deliver said strip portions concurrently into the range of action of said fabricating devices, and mechanism constructed and arranged to actuate said strip dividing means, said fabricating devices and said delivery means in timed relation.

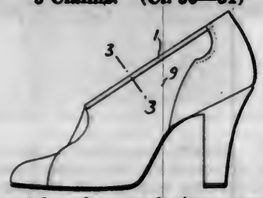
2,259,944

BOOT AND SHOE MANUFACTURE

Alfred Vamos, New York, N. Y., assignor to Friedberger-Aaron Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

Application May 8, 1940, Serial No. 333,879

5 Claims. (Cl. 36—51)



1. An article of manufacture comprising an elastic shoe upper, an elastic binding strip, and a non-elastic tape formed of readily frangible material coated on both faces with a pressure sensitive cold cement, the strip being folded over the edge of the upper and the tape being interposed between the folded over portion of said strip and the opposite side of the upper to secure said strip to said upper.

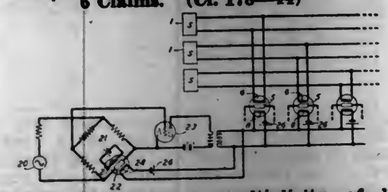
2,259,945

TRANSMISSION CONTROL

Alton C. Vella, Hollis, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 12, 1940, Serial No. 360,904

6 Claims. (Cl. 178—44)



5. In combination, a multiplicity of like, separately housed thermistors subject to the same variations in ambient temperature, each of said thermistors having an individual heater and one of said thermistors constituting a master thermistor, a bridge circuit comprising said master thermistor as a balance controlling element thereof, an alternating current source connected to the input of said bridge, said current source being of such low intensity that said master thermistor is substantially unheated by bridge currents flowing therefrom, a power amplifier connecting the output of said bridge to all of said heaters including the said heater for said master thermistor, the gain of said amplifier being so adjusted that the variable power output thereof applied to the heater of said master thermistor is sufficient to maintain said master thermistor at a substantially constant temperature despite fluctuations in ambient temperature.

2,259,946

CIRCUIT INTERRUPTER

James M. Wallace, Braddock, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application February 23, 1939, Serial No. 257,879

22 Claims. (Cl. 200—117)



1. In a circuit interrupter, a pair of spaced conducting terminal members, conducting means for interconnecting said terminal members, said conducting means including separable contacts and a fusible section arranged in series relation and means independent of the arc formed for separating said contact means in response to fusion of said fusible section.

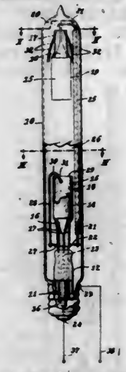
2,259,947

TRIGGER FOR DISCHARGE DEVICES

Philip W. Blackburn, East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application May 11, 1939, Serial No. 272,966

8 Claims. (Cl. 176—126)



1. A discharge device comprising a container, a gaseous atmosphere therein, a cylindrical electrode in said container, a starting electrode having the active portion within said cylindrical electrode at an acute angle with the cylindrical side thereof, the spacing between said cylindrical electrode and the active portion of said starting electrode being the distance for minimum voltage breakdown for the gaseous atmosphere and another main electrode cooperating with said cylindrical electrode.

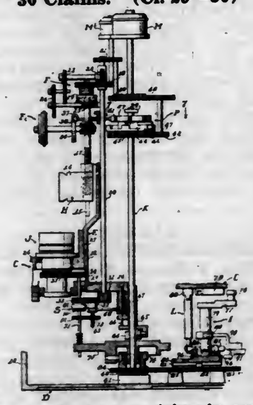
2,259,948

INDEXING MECHANISM FOR MACHINE TOOLS

Edward P. Bullard, III, Fairfield, Conn., assignor to The Bullard Company, a corporation of Connecticut

Application May 18, 1939, Serial No. 274,345

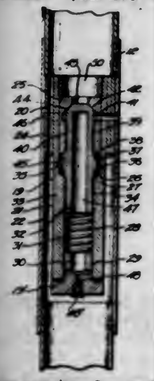
30 Claims. (Cl. 29—50)



1. A machine tool comprising in combination a

work-supporting carrier; means for feeding a tool support relative to said carrier; means for successively indexing said carrier about its central axis including a member adapted to be rotated at a variable speed through a single revolution during each indexing movement; means operable independently of the operation of said tool support feeding means for rotating said member; and means on said carrier adapted to be engaged by said member for indexing said carrier during the slow speed portion of the variable speed cycle of said member.

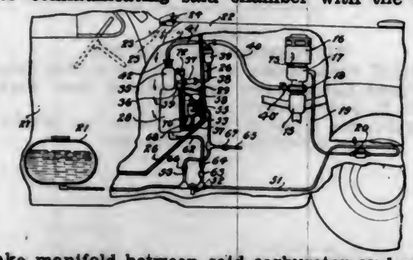
2,259,949
FLUID LIFT
Mark P. Burke, Long Beach, Calif.
Application April 21, 1938, Serial No. 203,451
18 Claims. (Cl. 103—234)



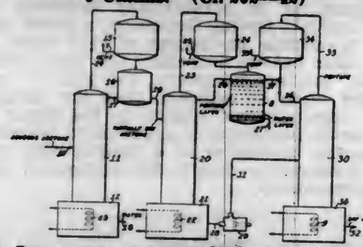
1. A fluid lift apparatus for wells comprising a casing, a flow tube extending downwardly therein, a foot valve in the bottom of said flow tube, said lower end of the flow tube being submerged in the liquid of the well, means for packing off the space between the casing and the flow tube to form a liquid pressure chamber at the bottom of the well and a pressure fluid space thereabove, a valve structure disposed within the flow tube at a level above the packing means, said valve structure including a fixed element having liquid ports therefrom and through which liquid may freely flow from the portion of the flow tube below the valve into the portion of flow tube thereabove and other ports in said valve element through which fluid under pressure from the casing may flow into the portion of flow tube above the valve when the valve is open, a valve element located within the valve structure and normally closing the ports for the fluid under pressure and moving to an open position when a predetermined head of liquid has accumulated within the flow tube above the valve and beneath which leakage liquid collects within the valve structure and means acting at the low pressure point in the pumping cycle to clear the valve structure of fluid and to prevent the valve from becoming fluid locked.

2,259,950
REFRIGERATING SYSTEM
William T. Downs, Detroit, Mich.
Application November 12, 1937, Serial No. 174,145
14 Claims. (Cl. 62—169)

8. In combination with a vehicle having an internal combustion engine, a carburetor, an intake manifold and a source of liquid fuel supply, and means for delivering fuel from said source of fuel supply to said carburetor: a container adapted for the reception of fuel delivered from said source of fuel supply; means for connecting said container to said source of fuel supply; means for maintaining a predetermined level of liquid in said container for maintaining a chamber in said container above the liquid therein; means for communicating said chamber with the intake manifold between said carburetor and said intake manifold for maintaining a partial vacuum in said container and effecting an evaporation of the fuel in said container; and means for directing a current of air into the proximity of said container for cooling the same.



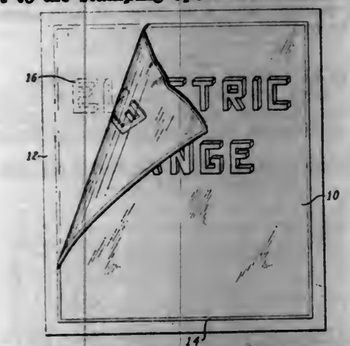
2,259,951
DEHYDRATION OF ACETONE
James F. Eversole, Kenmore, N. Y., and Argyle C. Plewes, South Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation, a corporation of New York
Application April 8, 1939, Serial No. 266,776
9 Claims. (Cl. 202—42)



1. In a process for making substantially anhydrous acetone which includes rectifying aqueous acetone and recovering a distillate of reduced water content; the steps which comprise subjecting said distillate to a second distillation in contact with an aliphatic hydrocarbon boiling between about 28° C. and about 100° C. and recovering a second distillate consisting of water, acetone, and said aliphatic hydrocarbon; causing said second distillate to stratify and form a lower water-containing layer and an upper layer comprising said aliphatic hydrocarbon; returning said upper layer to the distillation apparatus; and separating substantially anhydrous acetone from a mixture of substantially anhydrous acetone and said aliphatic hydrocarbon formed as a higher boiling constituent in said second distillation.

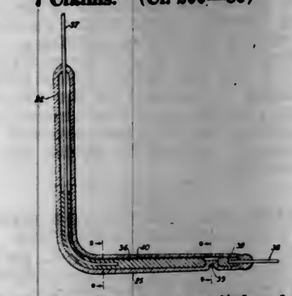
2,259,952
METHOD OF PRINTING ON FLIMSY MATERIAL
William B. Farrell, Wayne, Mich.
Application January 16, 1939, Serial No. 251,083
3 Claims. (Cl. 101—426)

1. That process of providing intricate designs on thin flimsy sheet material of woven fabric which comprises the steps of securing such a sheet to a backing sheet of flexible relatively stiff material with marginal portions of the latter projecting beyond the flimsy sheet, printing upon the exposed surface of the flimsy sheet material the required number of impressions while such sheet is held secured to the backing sheet, subjecting the two-ply flimsy sheet and backing sheet to die stamping operations which cut out



portions in both sheets, and utilizing the marginal portions of the relatively stiff backing sheet to guide the flimsy sheet for accurate registrations of the printing and die cutting operations performed thereon.

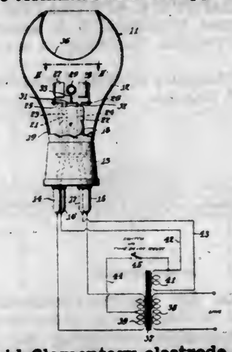
2,259,953
SWITCHING DEVICE
Paul B. Flanders, West Orange, and Charles E. Pollard, Hohokus, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 15, 1940, Serial No. 340,664
7 Claims. (Cl. 200—80)



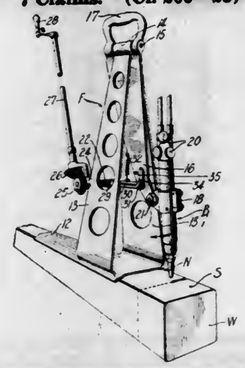
1. The combination in a switch of a closed tube, a partition within said tube dividing the interior thereof into two chambers with a restricted passage between said chambers, a mass of fluid conducting material normally resting in one of said chambers, an electrical terminal in said one of said chambers, an electrical terminal extending into the second of said chambers, and means for oscillating said tube to force said fluid material through said restricted passage and into electrical connection with the terminal in said second chamber.

2,259,954
LAMP AND OPERATING CIRCUIT
Daniel S. Gustin, Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 30, 1938, Serial No. 243,112
16 Claims. (Cl. 176—124)

16. In combination, a lamp of the gaseous conduction type comprising an enclosing envelope, an electrode adapted to function as an anode, an electrode comprising a filament, and means for operating said lamp comprising a transformer, a supplemental winding on said transformer, an electrical connection between a main secondary winding terminal of said transformer and said first-mentioned electrode, electrical connections between the terminals of said supplemental winding and said filamentary electrode to heat it to electron-emitting temperature, and normally open switch means for connecting said supplemental secondary winding to the main winding when the filamentary electrode has reached operating temperature, in order to only then cause it to function as a cathode with the first-mentioned electrode as an anode, independent of any temporary starting means.



2,259,955
METHOD OF AND APPARATUS FOR SEVERING METAL STOCK
Homer W. Jones, Westfield, N. J., assignor to Oxweld Acetylene Company, a corporation of West Virginia
Application January 6, 1940, Serial No. 312,677
7 Claims. (Cl. 266—23)



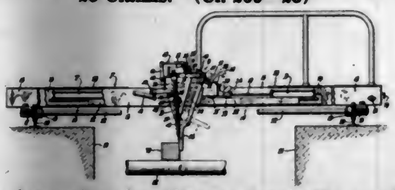
1. Apparatus for thermo-chemically cutting rectangular metal bar stock which comprises a blowpipe for applying oxidizing gas against a flat surface of said stock for making a kerf therethrough; a frame having a pivot supporting portion positioned at a distance above said surface substantially greater than the width of said surface; an arm pivotally connected to said pivot supporting portion of said frame; a holder on said arm for holding said blowpipe in a cutting position; and mechanism for swinging said arm

and said blowpipe thereon about said pivotal connection to traverse said blowpipe across said flat surface of said stock at a relatively rapid cutting speed, said cutting speed being correlated to the length of said arm and the position of said pivot to insure complete severance of said stock.

2,259,956
BLOWPIPE APPARATUS

Homer W. Jones, Westfield, N. J., assignor to The Linde Air Products Company, a corporation of Ohio

Application January 6, 1940, Serial No. 312,678
25 Claims. (Cl. 266—23)

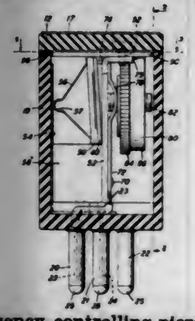


1. Apparatus for thermo-chemically cutting ferrous metal bodies which comprises blowpipe means for projecting oxidizing gas against a surface of such body; a carriage; means for supporting and guiding said carriage in a direction parallel to said surface; and mechanism for supporting said blowpipe on said carriage in a position for making a cut in said surface, such mechanism including means for varying the angular inclination of the axis of said blowpipe with respect to said surface during movement of said carriage and blowpipe thereon from a forward inclination at the starting end of the cut to a rearward inclination at the finish portion of the cut.

2,259,957
PIEZOELECTRIC CRYSTAL HOLDER

Lawrence F. Koerner, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application March 28, 1941, Serial No. 385,624
13 Claims. (Cl. 171—327)

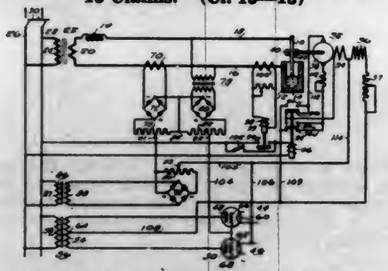


1. A frequency-controlling piezoelectric crystal device comprising a pair of electrode plates for a thickness-mode rectangular-faced piezoelectric crystal element disposed therebetween, means including a V-shaped spring disposed in contact with one of said electrode plates for resiliently exerting pressure on and rigidly clamping all four of the corners of the peripheral portion only of the crystal element, another spring secured to the other of said electrode plates and sprung away therefrom in a direction away from the crystal element, means including said another spring for pivotally establishing an angular relation between the crystal element and said other of said electrode plates, and means including a screw-threaded rotatable member working against the pressure of both of said springs for adjustably increasing and decreasing the angle between the crystal element and said other of said electrode plates to control said frequency.

2,259,958
ELECTRODE CONTROL SYSTEM

Cyril C. Levy, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application February 21, 1940, Serial No. 320,122
13 Claims. (Cl. 13—13)

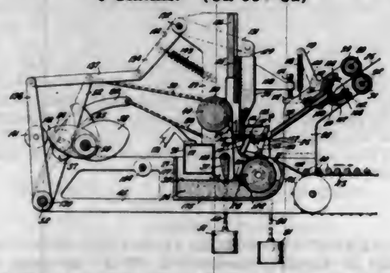


1. A movable electrode system comprising, a movable electrode having an energizing circuit therefor, a feed motor operatively connected to the electrode, means for producing a substantially constant electromotive force, means for producing an electromotive force responsive to current conditions in the electrode energizing circuit, means for producing an electromotive force responsive to voltage conditions of the electrode energizing circuit, control means having a control electrode controlled by applying a voltage to said control electrode thereof for controlling the operation of the feed motor, and circuit means for producing a resultant of the electromotive forces and applying it to the control electrode, said voltage responsive voltage opposing the current responsive voltage to render the control means conductive.

2,259,959
MACHINE AND METHOD FOR MAKING PAPER-WRAPPED PENCILS

Kay Miller, New Brunswick, N. J., assignor to Joseph Dixon Crucible Company, Jersey City, N. J., a corporation of New Jersey

Application December 12, 1940, Serial No. 369,789
6 Claims. (Cl. 93—81)

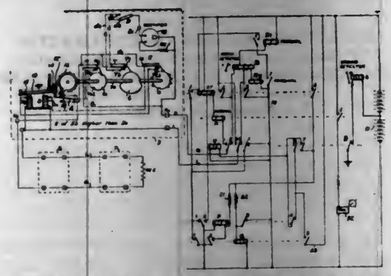


1. In a machine for winding successive, alternate coils of paper wrapper and glue around an elongated core, a first drum, a second drum, a textile fabric web substantially as wide as the core is long extending from one drum to the other, means for turning the first drum in both directions, means for turning the second drum in both directions, said drum turning means acting independently of each other so that the section of web extending between the drums is sometimes taut, and at other times loose with a transverse open-mouthed core-receiving pocket therein, means for depositing a core in the pocket, means for feeding a wrapper to the first drum, the partial turning of the first drum bringing the forward edge of the wrapper under the core therein, a blade arranged transversely of the web at a point to one side of the mouth of the pocket, means for moving the blade toward the first drum to act in conjunction therewith to partially close the mouth of the pocket to prevent the exit of the core from the pocket but permitting the continued passage of the wrapper thereinto, means for immersing the pocket, and the core with the part of the wrapper in contact with the core in glue, the means for turning the second drum serving to pull the web over the edge of the blade to tighten the pocket upon the core and the portion of wrapper thereon so that the travel of the web will cause the core and the portion of wrapper thereon to rotate to wind the wrapper in successive coils around the core, and means for braking the turning of the first drum so as to exert a pull on the web in the direction opposite to its travel.

2,259,960
POLARIZED, TWO-WIRE, PROGRESSIVE, NONINTERFERING SIGNAL SYSTEM

Manfred W. Muehter, Nutley, N. J., assignor to American District Telegraph Company, Inc., Jersey City, N. J., a corporation of New Jersey

Application September 21, 1937, Serial No. 164,887
26 Claims. (Cl. 177—361)



11. In a signaling system, a transmission line having at least two transmitters therein, a source of potential connected to said transmission line, means for initiating operation of a transmitter in response to a predetermined signal condition, means responsive to initiation of operation of said transmitter for disconnecting the outer portion of said transmission line whereby transmitters in said outer portion are disabled, and a unidirectional means associated with each transmitter for disabling idle transmitters in the other portion of said transmission line whereby interference between transmitters is eliminated.

2,259,961
PROCESS FOR DEWAXING CATALYSTS

William Whalley Myddleton, New Malden, England, assignor, by mesne assignments, to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware

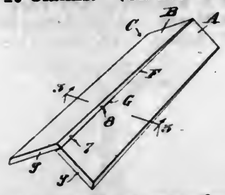
No Drawing. Application August 26, 1937, Serial No. 161,105. In Great Britain May 21, 1937
6 Claims. (Cl. 260—449)

2. In the process of manufacturing hydrocarbons from a mixture consisting principally of carbon-monoxide and hydrogen in the presence of a granular catalyst, the improvement which comprises interrupting the reaction at predetermined intervals, removing the relatively non-volatile material during such interruption by passing over the catalyst a solvent for said material while the catalyst is substantially at the reaction temperature, said solvent being at a temperature higher than the reaction temperature, and continuing the reaction.

2,259,962
SHINGLE

Herbert L. Owen, Los Angeles, Calif., assignor to V-Way Shingle Products, Inc., a corporation of California

Application February 13, 1940, Serial No. 318,688
10 Claims. (Cl. 108—24)

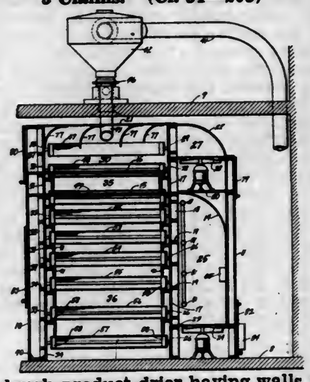


5. As a new article of manufacture, a preformed shingle unit for finishing hips and ridges of roofs by attachment thereto comprising a pair of wooden shingles longitudinally tapered in thickness disposed in abutting relation along longitudinal margins thereof with the thicker end portions thereof forming one end portion of the unit, and means connecting the contiguous edges of the pair of shingles together only at the thickened end portions thereof whereby the reduced end portions of the shingles are attached to each other and are capable of being moved laterally relative to each other.

2,259,963
DOUGH PRODUCT DRIER

Carmine Surico, New York, N. Y.

Application November 17, 1937, Serial No. 174,968
3 Claims. (Cl. 34—203)



1. A dough product drier having walls forming a drying chamber, conveyers for carrying the product back and forth longitudinally through said chamber, said conveyers having their runs formed with openings to permit the circulation of air therethrough, a casing forming a flue communicating with openings provided in the front wall of said chamber, a blower in communication with said flue forcing the air generally into the upper portion of the chamber and withdrawing it from the lower portion, a casing forming an air return chamber communicating with open-

ings provided in the rear wall of the drying chamber, said openings being in the front and rear walls only opposite the space between the upper and lower runs of each conveyer, whereby the air is circulated from the flue into the drying chamber, generally transversely across the drying chamber into the air return chamber and from thence back across the drying chamber into the flue, means for heating the circulating air and means for controlling the introduction of fresh air into said circulating air.

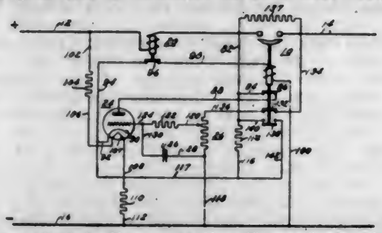
2,259,964
MECHANICAL BRUSHING DEVICE AND MOTOR THEREFOR
William S. Sussman, New York, N. Y.
Application March 6, 1940, Serial No. 322,578
5 Claims. (Cl. 185—37)



2. A spring driven power unit adapted to be held in the hand of the user and comprising a casing including a pair of spaced frame members, a manually rotatable winding shaft journalled between such frame members adjacent to their lower ends, a flat coiled spring carried thereby and being secured at its inner end to the shaft, a substantially cylindrical housing carried on the shaft and enclosing the spring, said spring being secured at its outer end to the housing, the spring occupying substantially the entire area between the frame members, a primary driving gear carried by the housing, a driven shaft journalled adjacent to the upper end of the frame members, and a plurality of trains of speed-multiplying gears between the primary gear and the driven shaft, a governor shaft and a train of speed-multiplying gears between the driven shaft and the governor shaft, a governor carried by the latter shaft and including a plurality of arms pivotally mounted at one end thereof on the governor, the opposite ends of the arms being urged inwardly by means of a coil spring, and a drive shaft operatively connected with the driven shaft and projecting from the casing.

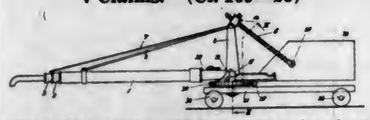
2,259,965
AUTOMATIC RECLOSING CIRCUIT BREAKER SYSTEM
William R. Taliaferro, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 11, 1939, Serial No. 289,602
4 Claims. (Cl. 175—294)

3. In a control system for a circuit breaker which is disposed to connect a load circuit to a source of power, the combination comprising an electric discharge device of the arc-like type, a Wheatstone bridge circuit comprising the load circuit as one leg thereof, a first resistor, means connecting said first resistor in parallel circuit relation with the load circuit, a second resistor, means electrically connecting one terminal of said second resistor to an intermediate point on said first resistor means electrically connecting the second terminal of said second resistor to the grid of said discharge device, a capacitor means electrically connecting said capacitor between said grid and a terminal of said first resistor,



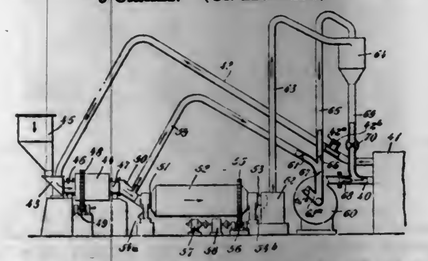
means electrically connecting the cathode of said discharge device with said bridge circuit so as to provide a circuit in the galvanometer position comprising a portion of said first resistor, said second resistor and the grid and cathode of said discharge device, means controlled by the opening of the circuit breaker for connecting said bridge circuit and the anode of said discharge device to be energized by the source of power, and means responsive to the conductive condition of said discharge device for closing said circuit breaker.

2,259,966
FIRE EXTINGUISHING APPARATUS
Wilhelm Tappe, Bucharest, Rumania
Application March 18, 1938, Serial No. 196,603
In Germany May 18, 1937
7 Claims. (Cl. 169—25)



1. In a fire extinguishing apparatus having a carriage, a turntable rotatably mounted on said carriage, a supporting frame, means for pivotally mounting said supporting frame adjacent its lower end on said turntable, a telescopic pipe, there being means for detachably connecting the first section of said telescopic pipe to said supporting frame adjacent its lower end, a rigid rod structure connected to the first section of said telescopic pipe, means for detachably connecting said rigid rod structure to the supporting frame to form a triangular supporting structure, and a controlling rod articulated at one end to the first pipe section and having its other end slidably guided in slots in the supporting frame, the combination of pivoted elevating means rising rearwardly to operative position and folding down forwardly to idle position for causing said triangular supporting structure to turn about the pivotal mounting of the supporting frame, detachment of said first pipe section and the rigid rod structure from the supporting frame, permitting the rearward displacement of the telescopic pipe and also the lower portion of the supporting frame towards the carriage and the folding down of said supporting frame in a forward direction toward the forward end of the telescopic pipe, the movements of the supporting frame assisting to a certain extent the displacement of the telescopic pipe owing to the connection between these members afforded by the controlling rod.

2,259,967
FUEL SUPPLY SYSTEM
Mikael Vogel-Jorgensen, Frederiksberg, near Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y., a corporation of New Jersey
Application March 1, 1939, Serial No. 259,129
9 Claims. (Cl. 110—106)



8. A system for preparing pulverized fuel and supplying it for combustion in a chamber, which comprises a drying chamber having an inlet for unpulverized fuel, a grinding mill connected to the drying chamber and receiving dried fuel therefrom, a burner delivering a fuel-air mixture into the combustion chamber, a duct connection from the combustion chamber to the drying chamber, a duct connection from the mill to the burner, a single fan in the connection from the mill to the burner, the fan drawing air from the combustion chamber through the drying chamber and mill in direct succession and the air stream entraining pulverized fuel and carrying it away from the mill and through the fan to the burner, a duct connection from the drying chamber to the intake side of the fan for withdrawing a portion of the air stream which has entered the drying chamber and before it passes into the mill, means for admitting additional atmospheric air into the stream flowing to the burner, and means for controlling flow through the connections and the admission of the additional atmospheric air.

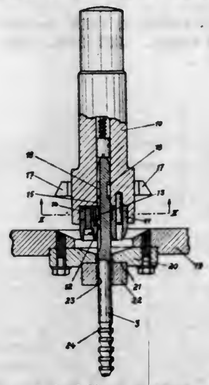
2,259,968
METHOD OF DECOLORIZING OILS
Carl N. Andersen, Wellesley Hills, Mass., assignor to Lever Brothers Company, a corporation of Maine
No Drawing. Application September 30, 1938, Serial No. 232,533
13 Claims. (Cl. 260—424)

6. In a process of refining glyceride oils, the step of decolorizing the oil by treating it with a small amount of hypophosphorous acid at a bleaching temperature under vacuum.

7. In a process of refining glyceride oils, the step of decolorizing the oil by treating it with a small amount of a salt of hypophosphorous acid at a bleaching temperature under vacuum.

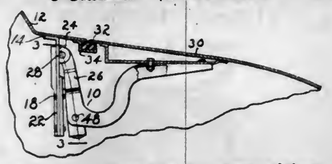
2,259,969
BROACHING TOOL
Kurt Bake, Zerbst, Anhalt, Germany, assignor to Junkers Flugzeug-und-Motorenwerke, A. G., Dessau, Dessau, Germany, a corporation of Germany
Application January 18, 1940, Serial No. 314,419
In Germany December 13, 1938
3 Claims. (Cl. 90—33)

1. In a broaching machine, in combination with a movable tool feeder and a tool receiver; a broaching tool movable along with said tool feeder relatively to a workpiece, and means for preventing the workpiece from turning relatively to the tool receiver, said tool feeder having resilient tool-engaging means, said tool receiver



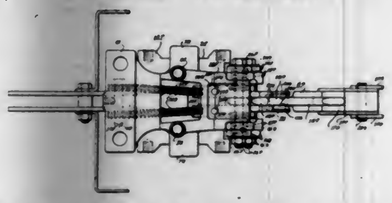
comprising tool holding means, said broaching tool comprising a substantially flat end engaged by the resilient tool-engaging means of said tool feeder and another portion engaged by the tool holding means of said tool receiver to maintain the tool in a predetermined cross-sectional position relatively to the workpiece.

2,259,970
HINGE
Alexander Benzick, Milwaukee, Wis., assignor to Nash Kelvinator Corporation, Kenosha, Wis., a corporation of Maryland
Application June 21, 1940, Serial No. 341,616
5 Claims. (Cl. 16—135)



4. A hinge construction comprising hinge means adapted to be located wholly within a compartment and including a first hinge sub-assembly adapted to be secured to an inner wall of said compartment adjacent an aperture therein, said first hinge sub-assembly including a hinge pin and a spring seat in spaced relation, a second hinge sub-assembly adapted to be secured at one end to the inner side of a closure lid for said compartment aperture and having its other end pivotally connected to said hinge pin, said second hinge sub-assembly having a generally U-shaped offset portion intermediate its ends adapted to clear the adjacent boundary of the compartment aperture in the open position of the closure lid, and said second hinge sub-assembly being provided with a spring seat spaced from said hinge pin, and a coiled compression spring mounted between and in end abutting engagement with said spring seats, the longitudinal axis of said spring in the normal closed position of the closure lid substantially intersecting the axis of said hinge pin, whereby said spring in such closed position of the closure lid exerts no substantial force tending to open the closure lid.

2,259,971
CIRCUIT BREAKER
James M. Cumming, Turtle Creek, and Raymond H. Leitzel, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 2, 1938, Serial No. 238,382
17 Claims. (Cl. 200—166)



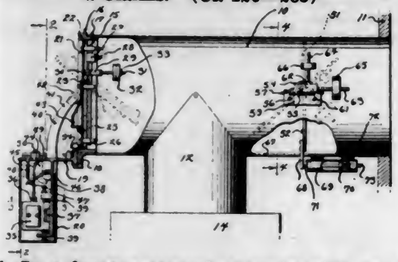
1. A circuit controller comprising a pair of finger contacts and a cooperative contact to be engaged by said finger contacts, at least one of said finger contacts having as a part thereof a pin which projects beyond the edges thereof and a supporting structure for said finger contacts, said structure consisting of a pair of separable sections and forming in a portion of the region of separation between said sections a bearing for the projecting portion of said pin permitting pivotal motion of said one finger, and said finger contacts being secured to one of said sections in such manner that when said sections are separated said finger contacts are separated with said one section from the other said section.

2,259,972
SPLIT-PHASE MOTOR
Harold E. Ellis, Lima, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 31, 1940, Serial No. 316,526
3 Claims. (Cl. 172—279)



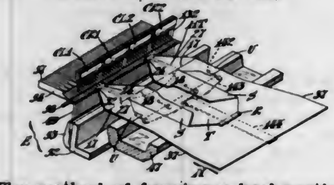
1. A self-starting single-phase induction-motor comprising relatively rotating primary and secondary members, the primary member having a main winding and an approximately quadrature-related starting-winding, starting-connection means for energizing both the main and starting-windings from a common pair of single-phase supply-leads, and start-run switching means operable to deenergize the starting-winding after the motor has started, said starting winding being characterized by having coils wound in sufficiently large loops to have extra loop-lengths doubled back on themselves with the end-connections of the motor, whereby the starting-winding may be caused to have an increased resistance relative to its inductance without excessive reduction in the cross-section and current-carrying capacity of the starting-winding.

2,259,973
FURNACE CONTROL
Welton E. Firehammer, Oshkosh, Wis.
Application October 9, 1939, Serial No. 298,679
2 Claims. (Cl. 126—285)



1. In a furnace control, a smoke-pipe, an annular frame in the smoke-pipe, a damper gate, means rockably supporting the damper gate in the frame above its horizontal diametric center, a bracket secured to the frame, an operating lever having a long arm and a short arm rockably mounted upon the bracket, a solenoid including a plunger connected to the lever, means operatively connecting the plunger to the short arm of the lever, an anti-friction roller on the outer end of the long arm of the lever, and an inclined track on the damper gate adapted to be engaged by the roller.

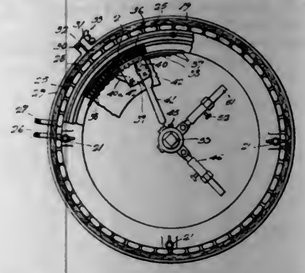
2,259,974
METHOD OF AND APPARATUS FOR NARROWING KNITTED FABRIC
Herbert Erich Haehnel, West Reading, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania
Original application January 6, 1938, Serial No. 183,656. Divided and this application September 9, 1940, Serial No. 355,888
11 Claims. (Cl. 66—89)



1. The method of forming a heel portion in a stocking fabric blank, which includes simultaneously narrowing said heel portion in opposite directions at one side of the walewise center line of said stocking fabric blank.

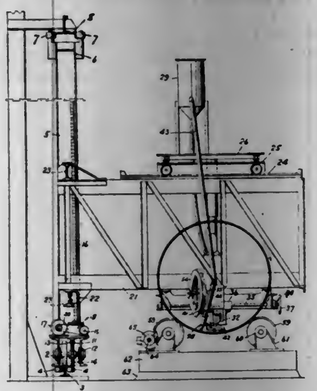
2,259,975
TIRE-RETREADING APPARATUS
Frank B. Hewel, Pittsburgh, Pa.
Application March 16, 1937, Serial No. 131,157
3 Claims. (Cl. 18—45)

3. Apparatus for internally expanding a tire casing comprising a plurality of separate, resilient, arcuate pad sections arranged in an annular series and positioned to engage the inner wall of the casing substantially opposite the tread thereof, an annular metallic band disposed in contact with the inner faces of said pad sections and having a plurality of upstruck ratchet portions on its inner face, and a pawl member mounted at one end of said band for selectively



engaging said portions to increase or decrease the effective diameter of said band whereby to vary its degree of pressure against said pad sections.

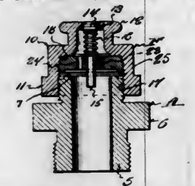
2,259,976
WELDING APPARATUS
Cecil D. Howard, Swarthmore, Pa., assignor to Sun Shipbuilding & Dry Dock Company, Chester, Pa., a corporation of Pennsylvania
Application July 7, 1938, Serial No. 217,883
16 Claims. (Cl. 219—8)



1. A welding apparatus comprising, in combination, a rail, a carriage on said rail, a guide rail, means on the carriage engaging the guide rail, means for moving the carriage longitudinally of the rail, a pair of screws extending vertically from the carriage, a cage extending laterally of the carriage, nuts secured to the carriage and engaging said screws, means for rotating said screws, vertical guides for the cage, an arm secured at one end to the cage and extending laterally thereof in parallelism with said rail and a welding head mounted on said arm adjacent its free end.

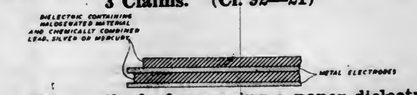
13. A welding apparatus comprising, in combination, a rail, a carriage on said rail, a guide rail positioned above the first mentioned rail, means supported from the carriage and engaging the guide rail, an arm extending from said carriage, a welding head supported from said arm, a guide wheel pivotally associated with said welding head and means for locking said wheel in any one of a plurality of positions about its pivot.

2,259,977
GREASE FITTING
Daniel Alcott Kelly, Milwaukee, Wis., assignor to The Prime Manufacturing Company, Milwaukee, Wis.
Application March 23, 1940, Serial No. 325,658
1 Claim. (Cl. 184—105)



In a grease fitting, a hollow body having an interior valve seat at its outer end and having its inner end internally threaded, a shoulder formed in the body at the end of the thread, a sealing plunger having a stem for the valve, a support for the sealing plunger including a disc-shaped bridge plate of material thickness having its periphery threaded for engaging the threads of the body, the plate being adapted to be threaded into the body tight against the shoulder, and said plate having an axial guide opening therethrough for the stem of the plunger, and openings around the axial opening of less size than said axial opening for the passage of grease and for straining the grease, a depending annular rim on the plate, and a member externally threaded for fitting on the threads of the body, the inner end of said member having an annular rib for intimately engaging the rim.

2,259,978
CONDENSER DIELECTRIC AND METHOD OF PREPARING IT
David A. McLean, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 31, 1938, Serial No. 227,653
3 Claims. (Cl. 92—21)



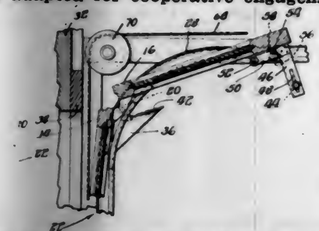
1. The method of preparing a paper dielectric which comprises incorporating in the paper a salt of a carbohydrate gum with a metal selected from the group consisting of lead, silver and mercury.

3. The method of preparing a paper dielectric which comprises adding to paper pulp an oxide of a metal selected from the group consisting of lead, silver and mercury, forming a sheet of paper from said pulp and impregnating said sheet with a halogenated dielectric material selected from the group consisting of chlorinated naphthalene and chlorinated diphenyl.

2,259,979
OVERHEAD DOOR CONSTRUCTION
William A. Norberg, Galesburg, Ill., assignor to Rowe Manufacturing Company, Galesburg, Ill., a corporation of Illinois
Application March 7, 1940, Serial No. 322,695
6 Claims. (Cl. 20—20)

1. In combination with a plurality of hingedly connected door panels and a track structure for guiding said panels between closed vertical position and open overhead position, means for controlling the swinging of the uppermost door panel

as it shifts between vertical and horizontal positions, including a support carried by the uppermost door panel, an abutment member carried thereby and extending adjacent the inner surface of the track structure, said abutment member being adapted for cooperative engagement with



said inner surface of the track structure to effect lateral swinging of the uppermost door panel as an incident to the shifting of said panel along said track structure, and means in the vicinity of said support and operable within said track structure for guiding the uppermost panel along the upper portion of said track structure.

2,259,980

OIL COMPOSITION

Herbert John West, Riverside, and Ralph Earl Layman, Jr., Old Greenwich, Conn., assignors to American Cyanmid Company, New York, N. Y., a corporation of Maine

No Drawing. Application February 25, 1939, Serial No. 258,566

9 Claims. (Cl. 260—21)

9. The method of obtaining a solution of a melamine-formaldehyde condensation product in a tryglyceride drying oil which comprises heating the drying oil at 180–220° C. with the product obtained upon reacting an incompletely polymerized melamine-formaldehyde condensation product with an alcohol, and continuing the heating until no more alcohol is evolved.

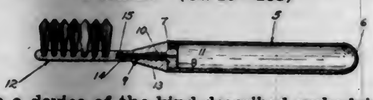
2,259,981

TOOTHBRUSH

David Aiken, Winnsboro, S. C., assignor of one-third to J. W. Douglass, Jr., Greenville, S. C.

Application September 23, 1939, Serial No. 296,205

1 Claim. (Cl. 15—138)



In a device of the kind described embodying a brush head having a shank bored out axially through the rear end and internally threaded and embodying a hollow handle open at one end, a stopper for the handle opening, a feed tube seated axially through the stopper the outer end thereof being extended and threaded to threadedly seat and rotate within the complementally threaded bore of the shank, the stopper having an air duct extending endwise therethrough, laterally of the feed tube for leading air directly and continuously into the handle, the opposed faces of stopper and shank-end being formed to meet squarely for closing the air duct, as the parts are screwed together, whereby with the parts retracted for opening the air duct and the handle being turned upward, a liquid in the handle will feed by gravity down and out through the feed tube as air enters directly and continuously into the handle through the air duct.

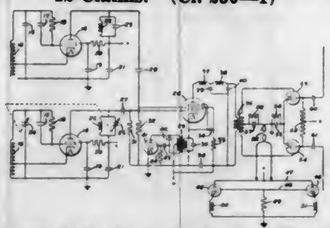
2,259,982

RADIO DISTANCE METER

Ernst F. W. Alexanderson, Franklin G. Patterson, and Clifford A. Nickle, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York

Application September 29, 1939, Serial No. 297,124

12 Claims. (Cl. 250—1)



1. In combination in a device for measuring the distance from a point to a reflecting surface, means for simultaneously propagating a pair of waves of different frequencies toward said surface to produce separate standing waves at said point between each of said waves and the corresponding wave reflected from said surface, and means for comparing the intensities of said separate standing waves at said point.

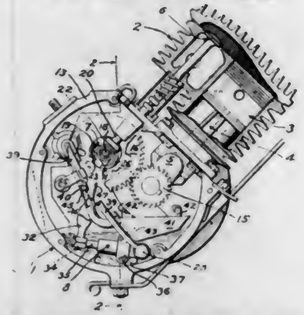
2,259,983

INTERNAL COMBUSTION MOTOR

Arthur A. Andersen, Los Angeles, Calif., assignor to Breene-Taylor Engineering Corporation, Los Angeles, Calif., a corporation of California

Application February 5, 1940, Serial No. 317,337

4 Claims. (Cl. 123—182)



1. In an internal combustion engine a crank case, a crank shaft therein, an exhaust valve, a shaft rotatably supported by and between opposed walls of the crank case, a valve lifting means on the second named shaft operable for lifting and maintaining said valve in open position upon predetermined rotation of the second named shaft, manually operable means for rotating the second named shaft, said valve lifting means including a disk rotatably seated in one of said walls and fixed to the second named shaft, and an arcuate valve lifting member extending laterally from and carried by said disk.

2,259,984

VACUUM BREAKING VALVE

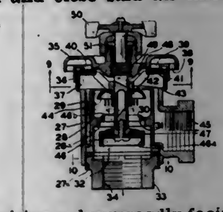
Dwight M. Anderson, Cleveland Heights, Ohio

Application January 31, 1940, Serial No. 316,620

7 Claims. (Cl. 277—60)

1. Vacuum breaking valve structure comprising a hollow body having a liquid inlet passageway

and having a liquid outlet passageway, said body having an air inlet arranged annularly about one of said passageways and terminating in a valve seat, said air inlet being at least equal in area to said liquid inlet, valve means freely movable vertically in said body and comprising an annular valve member adapted to coact with said valve seat to open and close said air inlet, said valve



means comprising a downwardly facing cup member, means operatively connecting said cup member and said valve member, said last named means providing a passageway for liquid flow from said liquid inlet to said outlet, and there being open communication between said air inlet and said liquid inlet when said valve is in open position.

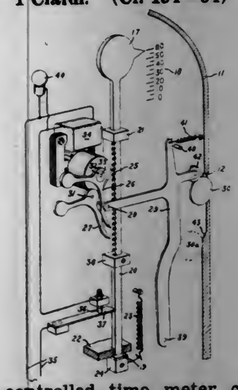
2,259,985

PARKING METER

Ralph G. Arey, Swampscott, Mass., assignor to General Electric Company, a corporation of New York

Application July 23, 1940, Serial No. 346,949

1 Claim. (Cl. 194—54)



A coin controlled time meter comprising a casing having a coin slot opening and a coin-observation window beneath said opening, a coin passageway from said slot opening past said observation window, a movable time indicator in said casing having a toothed driving surface, time-controlled means, a pawl reciprocated by said means and biased to engage said toothed surface for moving said indicator in one direction, a retaining pawl adjacent the first mentioned pawl biased to engage said toothed surface, means for moving said indicator in the opposite direction when said pawls are disengaged from said toothed surface and a unitary lever movable within said casing having a part for disengaging said pawls, a part for partially obstructing the coin slot and a part for partially obstructing the coin passageway adjacent said observation window, said lever being normally biased to the coin-obstructing and pawl-engaging position and movable from said position by the insertion of a coin in said slot to disengage both pawls and clear the coin slot and coin passageway, said lever returning to its normal position in time to catch such coin where it may be observed in said observation window.

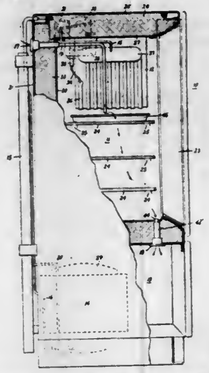
2,259,986

REFRIGERATOR

Leonard W. Atchison, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application August 30, 1939, Serial No. 292,652

6 Claims. (Cl. 62—116)



1. A refrigerator provided with a heat-insulated cooling compartment, a closed refrigerating system including a refrigerant evaporator located in said cooling compartment for abstracting heat therefrom, a refrigerant circulating unit located outside of said cooling compartment and means communicating between the upper portion of said refrigerant evaporator and said refrigerant circulating unit for conducting gaseous refrigerant from said evaporator to said circulating unit, means for admitting fresh air to said cooling compartment, said communicating means being arranged and constructed for conducting said gaseous refrigerant into heat exchange relationship with said air, thereby utilizing gaseous refrigerant in said communicating means for pre-cooling said air in order to remove moisture therefrom.

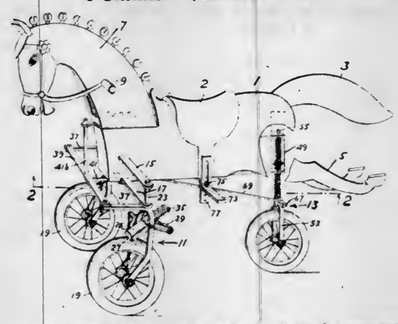
2,259,987

CHILD'S VEHICLE

Alfred J. Bailie, Wyndmoor, Pa.

Application December 26, 1940, Serial No. 371,701

6 Claims. (Cl. 280—1.19)



1. In a child's vehicle adapted to be propelled

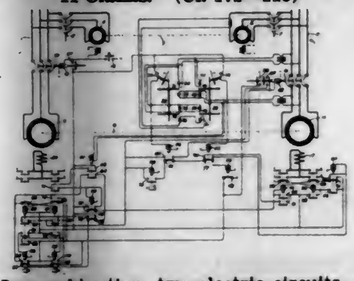
by the imparting thereto of a rocking or bouncing motion, the combination of a body, a pair of front wheels rigidly supporting the forward end of said body, a rear wheel for supporting the rear end of said body, means yieldingly connecting said rear wheel and said body in such manner as to permit substantially only vertical relative movement of said wheel axle and body, and means adapted to prevent rearward rotation of said front wheels while permitting forward rotation thereof.

2,259,988

AUTOMATIC CONTROL ARRANGEMENT

Herman Bany, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York

Application May 20, 1941, Serial No. 394,315
11 Claims. (Cl. 171—118)



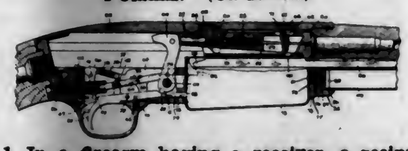
2. In combination, two electric circuits, a frequency converter having two synchronous machines respectively connected to said circuits, a second frequency converter having one synchronous machine connected to one of said circuits and driving a second synchronous machine which is adapted to be connected to the other of said circuits, means for periodically reversing the excitation of said one synchronous machine, and means responsive to a predetermined relation between the load angle of said first mentioned converter and the angular relation of corresponding voltages of said second synchronous machine and said other circuit for preventing further reversals of the excitation of said one synchronous machine and for connecting said second synchronous machine to the other of said circuits.

2,259,989

FIREARM

Charles H. Barnes, Nichols, Conn., assignor to Remington Arms Company, Inc., a corporation of Delaware

Application July 1, 1939, Serial No. 282,368
4 Claims. (Cl. 42—22)



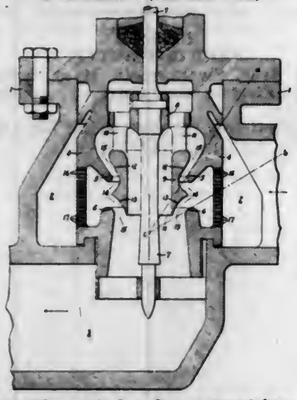
1. In a firearm having a receiver, a reciprocating slide and a breech bolt having a vertical slot therein, said breech bolt being carried by the slide and movable relative thereto: a member pivoted on the bolt and carried in said slot; an arcuate cam on the slide engaging one end of the member, said member being actuated in the rearward movement of said slide by engaging and traversing said arcuate cam, the other end of the member operatively engaging the receiver; means on the slide adapted to enter the slot and limit the relative movement of the slide and bolt; a firing pin carried by the bolt, said firing pin having a depending lug entering the slot between the means on the slide and the rear end of the slot; a reciprocating handle operatively connected to the slide whereby operation of the handle first causes movement of the slide relative to the bolt, said relative movement rotating the said member, which slowly moves the bolt relative to the receiver, the means on the slide thereafter engaging the lug on the firing pin which is moved rearwardly until it reaches the rear end of the slot, thus positively retracting the firing pin, further movement of the operating handle moving the bolt and slide rearwardly together.

2,259,990

VALVE

Karl Baumann, Wilmslow, England, assignor to General Electric Company, a corporation of New York

Application February 24, 1940, Serial No. 320,697
In Great Britain February 22, 1939
2 Claims. (Cl. 251—81)



1. A double-seated valve comprising a casing having an inlet and an outlet, a shell seated in the casing and defining an annular channel therewith communicating with the inlet, the shell having a cylindrical perforated portion acting as a strainer for conducting fluid from the channel to the outlet, other portions of the shell integral with and adjacent the opposite ends of the perforated portion forming valve seats and an end portion of the shell forming an opening communicating with the outlet, and a movable valve member in cooperative relation with the seats.

2,259,991

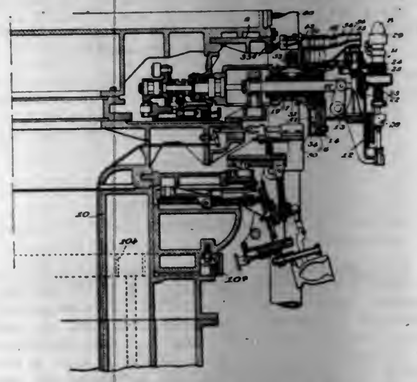
SPINDLE JAW AND BLANK COOLING APPARATUS

Edward H. Bennett, Toledo, Ohio, assignor to Libbey Glass Company, a corporation of Ohio

Application January 11, 1939, Serial No. 250,430
8 Claims. (Cl. 49—40)

7. In a rotary glassware forming machine, a rotatable carriage, a plurality of spindle assemblies positioned at spaced intervals on the carriage, each assembly including a face flange having a pair of concentric annular grooves therein, a wind-box secured to the face flange and communicating with each of said grooves, a frame mounted on the carriage for tilting movement

through an angle of one hundred and eighty degrees, said frame including a plate which is substantially coextensive with the face flange, there



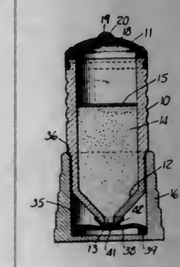
being an opening extending through the plate in communication with each groove in all positions of the frame, and nozzles secured to the frame and having communication with said openings.

2,259,992

DISPENSER AND SUPPORT THEREFOR

Georges Binon, Paris, France, assignor to The Food Dispenser Company, a corporation of Connecticut

Application November 26, 1937, Serial No. 176,526
14 Claims. (Cl. 221—76)



1. In a dispenser of the character described, a container with a restricted outlet spout in the bottom wall, a separate support for the container having a recess adapted to accommodate the lower portion of the container, and yieldable means associated with said support at the bottom of said recess for sealing said spout and having an upwardly projecting member adapted to enter into the opening in the end of said outlet spout, and resilient means supporting said member and urging it into said opening.

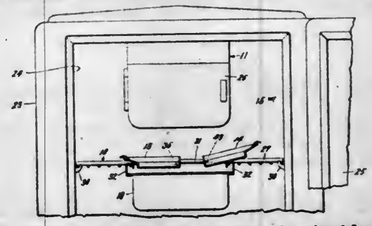
2,259,993

REFRIGERATOR CABINET

Edwin H. Boddy, Erie, Pa., assignor to General Electric Company, a corporation of New York

Application March 20, 1940, Serial No. 325,016
15 Claims. (Cl. 62—89)

1. In a refrigerator cabinet including a cooling unit, a shelf disposed below said unit, a receptacle supported by said shelf below said unit, and means supported by said shelf and adjustable to extend above said receptacle and beyond the sides of said unit when desired for cooperating



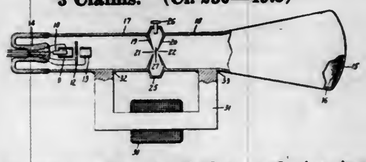
with said unit to direct water or ice incident to the defrosting of said unit into said receptacle.

2,259,994

ELECTRON MICROSCOPE

Hans Boersch, Berlin-Charlottenburg, and Ernst Brüche and Hans Mahl, Berlin-Reinickendorf, Germany, assignors to General Electric Company, a corporation of New York

Application November 25, 1940, Serial No. 367,138
In Germany March 17, 1939
3 Claims. (Cl. 250—49.5)



1. In combination, a discharge device including means for producing a beam of moving charges, a vacuum-tight discharge enclosure providing an elongated chamber to be traversed by the beam, said enclosure being formed in part of a pair of tubular magnetic members positioned in mutually spaced end-to-end relation to provide a lens space between them, magnetic field-producing means associated with the members for establishing a magnetic flux through the said lens space to produce a desired focusing effect on the said beam, and means externally closing the gap between the members to maintain the vacuum-tight quality of the enclosure.

2,259,995

BREAKING PETROLEUM EMULSIONS

Charles F. Bonnet, Monrovia, Calif., assignor to American Cyanamid & Chemical Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application January 30, 1941, Serial No. 376,628
5 Claims. (Cl. 252—335)

1. A process for breaking petroleum emulsions of the water-in-oil type which comprises subjecting the emulsion to the action of a demulsifying agent containing a nitroso aromatic compound selected from the group consisting of nitroso phenols and nitroso aromatic carboxylic acids.

2,259,996

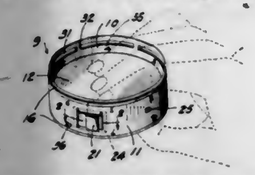
SHAVING APPLIANCE

David O. Brant, Canoga Park, Calif.

Application January 17, 1939, Serial No. 251,368
8 Claims. (Cl. 30—49)

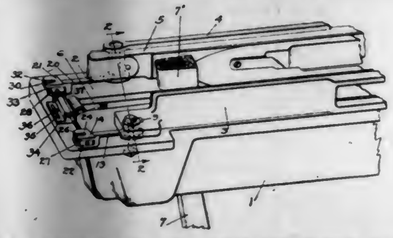
3. A cylindrically shaped ring section having a circumferentially arranged series of centering devices projecting outwardly from the outer face thereof, a flexible blade having a series of aper-

tures to register with said centering devices when said blade is placed around said section, there being slots in said blade adjacent the ends



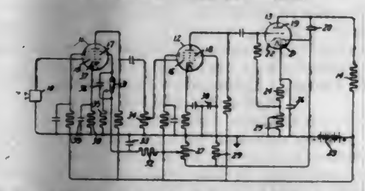
thereof, and means extendable thru said slots for drawing the ends of said blade into an abutting relation.

2,259,997
SHUTTLE BOX
Carl D. Brown, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application January 22, 1941, Serial No. 375,483
15 Claims. (Cl. 139—183)



1. A shuttle box for looms comprising means forming a front wall, means forming a back wall and means for simultaneously adjusting the outer ends of said walls relative to each other and laterally of the shuttle box.

2,259,998
AUTOMATIC GAIN CONTROLLED AMPLIFIER
George M. Brown, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application July 23, 1940, Serial No. 346,948
5 Claims. (Cl. 179—171)



1. In combination, a pair of cascade connected alternating current amplifying devices operating in phase opposition, means for adjusting the amplification of each of said devices in response to a gain control potential, means to transmit to at least one of said adjusting means a control potential having an undesired pulsation thereon which produces an undesirable effect on the output of said devices, and means to transmit an amount of said pulsation through the other of said adjusting means sufficient to produce an opposite and substantially equal effect on said output, whereby the effect of said pulsation on said output is substantially eliminated.

2,259,999
ANGLE ADAPTER
Frank D. Bryant, Stratford, and William R. Young, Fairfield, Conn., assignors to General Electric Company, a corporation of New York
Application September 27, 1939, Serial No. 296,786
14 Claims. (Cl. 173—324)



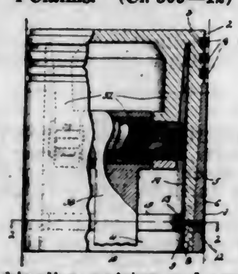
1. In an adapter for electric lamps or the like, a plug base having contacts for electrical connection with an electric device, a substantially annular supporting member mounted on said base and having conducting portions electrically connected to said base contacts, and a plurality of receptacles slidably mounted on said member side by side, and each being electrically connected to said conducting portions, said receptacles being movable along said member independently of each other to various angular positions with respect to said base.

2,260,000
CERAMIC COMPOSITION
Blandford C. Burgess and John E. Boyd, Jr., Spruce Pine, N. C., assignors to Feldspathic Research Corporation, New York, N. Y., a corporation of Delaware
Application April 16, 1938, Serial No. 202,467
11 Claims. (Cl. 106—39)



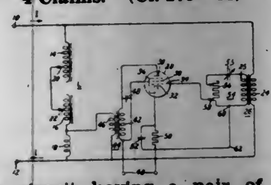
1. A ceramic flux composition less vitreous than glass consisting of a mixture of potash-soda bearing aluminum silicate minerals and 10–60% spodumene.

2,260,001
PISTON AND LINER
David Bushby, Regina, Saskatchewan, Canada, assignor to The Vacuum Air Pressure Company Limited, Regina, Saskatchewan, Canada
Application April 27, 1940, Serial No. 332,056
4 Claims. (Cl. 309—12)



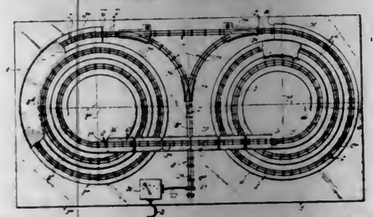
1. In combination a piston and removable liner therefor, annular ring grooves in said piston wall adjacent the upper end thereof, said piston being tapered inwardly towards the base from a plane medially of its length and transverse to its axis, said liner surrounding the tapered portion of said piston in the manner of a sleeve and being tapered complementarily upon the inner surface thereof, a plurality of apertures extending through said piston on a plane transverse to the axis thereof, adjacent the lower edge of said piston, and pins projecting through said apertures for retaining said liner upon said piston.

2,260,002
IMPEDANCE DEVICE
Howard L. Clark, Ballston Lake, N. Y., assignor to General Electric Company, a corporation of New York
Application May 24, 1940, Serial No. 336,984
4 Claims. (Cl. 178—44)



1. In a circuit having a pair of terminals adapted to be energized from a source of alternating voltage, an inductive impedance element having a substantial resistance component connected in circuit with said terminals for energization by said source, and means including a phase shifting device for interposing in the circuit of said impedance element and between said terminals an auxiliary alternating voltage having a phase displacement with respect to the voltage across said terminals and of such magnitude as to substantially neutralize the effect on the power factor of the loss component of the current in said impedance element.

2,260,003
TRACKWAY FOR TOY TRAINS
Patrick E. E. Coderre, Port Chester, N. Y.
Application March 1, 1941, Serial No. 381,256
3 Claims. (Cl. 238—10)



1. In a device of the kind described, a flat base formed with two circular recesses positioned side by side, conical basal units composed of radially parted segments seated in said recesses, said units and segments being hollow interiorly and being terraced exteriorly to form upon each a spirally helical road-bed, railways mounted upon and conforming to said road-beds, means additional to the recesses of the base for releasably locking the basal unit segments together, means for releasably and electrically connecting the rail ends, and railways extending between said conical basal units and connecting at their ends with the ends of the railways thereof, so that a train may run continuously from one unit to the other, ascending one, crossing over and descending the other, and then again crossing over and ascending the first.

2,260,004
STABLE SOLUBLE MAGNESIUM ACID CITRATE
John L. Davenport and Charles F. De Costa, Kew Gardens, N. Y., assignors to Charles Pfizer & Company, Brooklyn, N. Y., a corporation of New Jersey
Application November 3, 1939, Serial No. 302,714
5 Claims. (Cl. 260—535)

2. As a new product, stable, free-flowing, opaque, crystalline magnesium acid citrate, sufficiently dehydrated to assay 110–115 per cent as the 5-water salt, which retains its solubility in about five parts of water indefinitely.

2,260,005
INTERPOLYMERIZATION PRODUCT OF ALLYL CROTONATE AND UNSATURATED ALKYD RESIN
Gaetano F. D'Alelio, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application January 20, 1940, Serial No. 314,847
12 Claims. (Cl. 260—42)

1. A polymerizable composition comprising allyl crotonate and at least one unsaturated alkyd resin.

2,260,006
CONDENSATION PRODUCT OF A PHENOL, AN ALIPHATIC ALDEHYDE, AND A PARTLY AMIDATED POLYCARBOXYLIC ACID
Gaetano F. D'Alelio, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application March 26, 1940, Serial No. 326,056
16 Claims. (Cl. 260—45)

1. A composition comprising a resinous product of reaction of ingredients comprising a phenol, an aliphatic aldehyde and a derivative of a polycarboxylic acid containing at least three carbon atoms, said derivative containing at least one —COOH radical and at least one amidated carboxylic radical having at least one hydrogen atom attached directly to the amide nitrogen.

2,260,007
MARINE VESSEL
Marcel de Passy de Chimang, College Point, Long Island, N. Y., assignor of one-half to Harris Hammond, New York, N. Y.
Refiled for abandoned application Serial No. 211,821, June 4, 1938. This application March 27, 1941, Serial No. 385,391. In Great Britain July 14, 1939
2 Claims. (Cl. 114—56)



1. A marine vessel, having a rounded bow and a rounded stern, arranged both well above the water line, and having its largest frame at about the end of the first quarter of the vessel's length and the place of the deepest draft well in the forebody of the vessel, and further having side

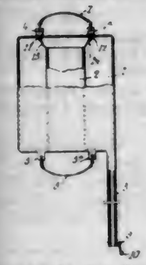
walls slightly outwardly bulging and converging longitudinally from the place of the largest frame towards both ends and merging in streamlines into the bow and into the stern, the bottom wall of the vessel being provided on its whole length with an upwardly concaved longitudinal tunnel, which tunnel extends from a place well above the water line on the bow to a place above the water line on the stern and which tunnel from the place of the largest frame of the vessel tapers with slowly decreasing cross-section rearwardly and upwardly towards the end of the vessel.

2,260,008

RECEPTACLE FOR TRANSPORTING AND DELIVERING LIQUIDS

Pierre Michel Eugène Deshayes, Paris, France, assignor to Jean Delattre Seguy, Chicago, Ill.

Application May 11, 1939, Serial No. 273,093
In France May 20, 1938
8 Claims. (Cl. 221—1)



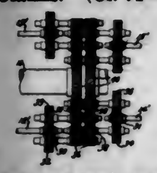
1. A flexible receptacle for liquids having no rigid closure, comprising a receptacle body, a depending filling hose extending within said body and operating as a check valve and as an overflow, means for suspending the ends of said filling hose from the adjacent end of the receptacle and a discharge hose for the controllable distribution of the liquid.

2,260,009

GEARING

John H. Doran, Scotia, and Glenn B. Warren, Niskayuna, N. Y., assignors to General Electric Company, a corporation of New York

Application January 5, 1939, Serial No. 249,467
3 Claims. (Cl. 74—410)



1. Gearing arrangement comprising a main gear, a plurality of parallel pinion shafts located on opposite sides of the main gear, and pairs of speed-reducing gearings between each pinion shaft and the main gear, each pair including a pair of pinions for engaging the main gear and the pair of pinions of oppositely located shafts being interspaced with each other.

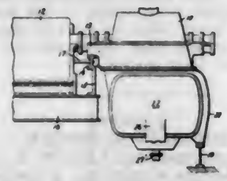
2,260,010

MARINE TURBINE CONDENSER AND SUPPORTING ARRANGEMENT

John H. Doran, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application January 5, 1939, Serial No. 249,468
3 Claims. (Cl. 60—95)

2. Turbine arrangement comprising a turbine casing, a condenser attached to and partly supported on the casing, means rigidly supporting one end of the turbine casing and other means yieldingly supporting the other end of the casing, said other means comprising an I-beam extending transverse to the axis of the turbine, a supporting member securing a central portion



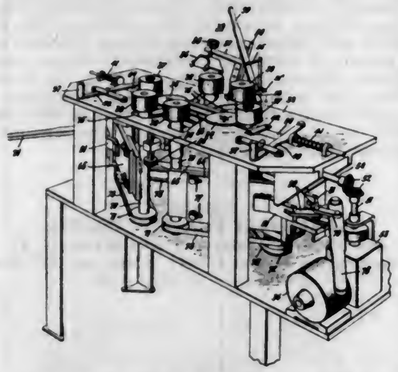
of said other casing end to the I-beam, and other supporting members loosely connecting side portions of said other end and said beam to support the casing on the beam and to permit lateral expansion of the casing relative to the beam, at least one of the supporting members being secured to and acting as a support for the condenser.

2,260,011

STATIONARY INDUCTION APPARATUS

Herbert L. Driftmeyer, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York

Application September 28, 1939, Serial No. 296,940
8 Claims. (Cl. 242—4)



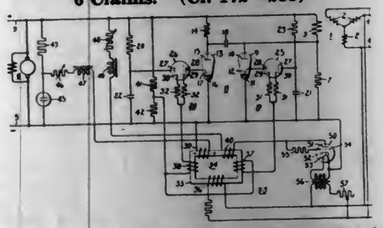
1. A machine for assembling wound strip cores with conductive winding structures having pairs of parallel winding legs adapted to be embraced by annular cores, the machine comprising means for holding a conductive winding structure in position with its winding legs vertical, a pair of vertical-axis turn tables adapted to support a pair of flatwise wound coils of magnetic strip material having projections inwardly bent at the inside of the coils, driving spindles having slots engaging said inner bent ends of the coils of strip, and power driven collapsing rollers, said turn tables including sockets with keyways, said driving spindles each including a portion adapted to fit in one of said sockets and having a pin cooperating with the keyway, means for rotating the turn tables and sockets and the collapsing rollers, said collapsing rollers having pivoted supporting arms, and means for moving the collapsing rollers inward in frictional engagement with the coils of strip.

2,260,012

ELECTRIC VALVE CIRCUIT

Evan A. Edwards, East Cleveland, Ohio, assignor to General Electric Company, a corporation of New York

Original application June 22, 1938, Serial No. 215,166. Divided and this application March 1, 1939, Serial No. 259,143
6 Claims. (Cl. 172—238)



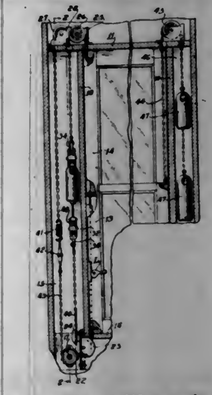
1. In combination, an alternating current circuit, a device comprising a magnetically saturable core structure, a primary winding energized from said alternating current circuit, a secondary winding in which there is induced a periodic voltage of peaked wave form and a pair of opposing control windings, means for supplying to one of said control windings a substantially constant unidirectional current, and means for supplying to the other control winding a unidirectional current which varies in response to a predetermined electrical controlling influence comprising an electric valve having a filamentary cathode and means for varying the energization of said cathode in accordance with said influence and for utilizing the cathode temperature-anode current characteristic of said electric valve for controlling the range of phase shift of said periodic voltage relative to the voltage of said alternating current circuit.

2,260,013

WINDOW SASH OPERATING MECHANISM

Roy E. Elvers, Los Angeles, Calif., assignor of one-fourth to John C. Morgan, Los Angeles, Calif.

Application March 4, 1940, Serial No. 322,090
3 Claims. (Cl. 268—129)



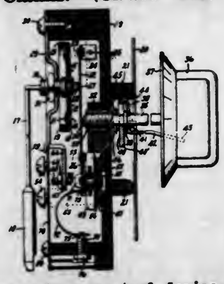
1. The combination with a window frame and the upper and lower sash arranged for operation therein, of an endless flexible member arranged for operation in the building structure behind one of the jambs of the window frame, a pair of rolling supports for said endless flexible member, a longitudinally adjustable frame forming a part of said endless flexible member, counterbalancing weights carried by said adjustable frame, pulleys carried by the ends of said adjustable frame, a flexible member passing beneath the upper one of said pulleys, rolling supports on the upper portion of said window frame for said flexible member, the ends of said flexible member being secured to the upper portions of the upper and lower sash, a flexible member passing over the lower one of the pulleys carried by said longitudinally adjustable frame, rolling supports arranged in the lower portion of the window frame for said last mentioned flexible member and the ends of which last mentioned flexible member are connected to the lower portions of the window sash.

2,260,014

CONTROL DEVICE

Wallace J. Ettinger, Chicago, Ill., assignor to Edison General Electric Appliance Company, Inc., Chicago, Ill., a corporation of New York

Application June 23, 1939, Serial No. 280,758
18 Claims. (Cl. 200—140)



1. In a temperature control device, a pivotally mounted resilient operating member, control means actuated by said operating member, a hydraulically operated thermal motor engaging said operating member so as to cause movement thereof in response to temperature changes, fulcrum means adapted to be engaged by said operating member to effect the movement of said operating member so that said control means is actuated at a predetermined temperature, and means for adjusting said fulcrum means in the plane of movement of said operating member to very said temperature at which said control means is actuated.

2,260,015

HYDRAULIC DEVICE FOR TRANSMITTING POWER

Rudolf Fichtner, Berlin, Germany, assignor to General Electric Company, a corporation of New York

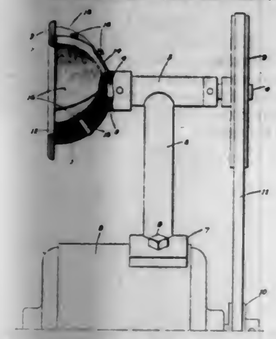
Application July 8, 1938, Serial No. 218,252
In Germany July 16, 1937
1 Claim. (Cl. 60—54)



A hydraulic torque converter comprising a fluid containing circuit which consists of an impeller wheel, a pair of turbine wheels coaxially arranged with respect to each other and with respect to

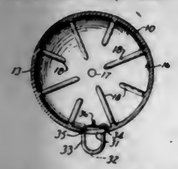
the impeller wheel, the vanes of said turbine wheels being so arranged that the said turbine wheels rotate in opposite directions with respect to each other and a set of stationary vanes arranged on the entrance side of said impeller wheel to receive the fluid discharged by said turbine wheels and to return it to said impeller wheel and another set of stationary vanes arranged between the said two oppositely rotating turbine wheels to guide said fluid therebetween.

2,260,016
EGG CLEANER
Harold B. Fink, Woodlake, Calif.
Application November 4, 1940, Serial No. 364,205
14 Claims. (Cl. 51—187)



1. In an egg cleaner, a driven, cup-shaped head adapted to receive an egg lengthwise therein, a flexible abrasive sheet fitted into the cup for engagement with the egg, and a cushion lining between said sheet and the cup.

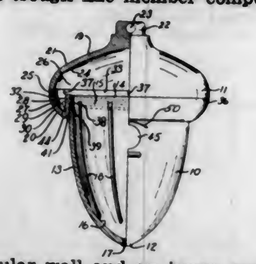
2,260,017
PERCH FOR BIRDHOUSES
Adam S. Garthus, Independence, Wis.
Application November 1, 1940, Serial No. 363,888
4 Claims. (Cl. 119—26)



1. In a bird house, a hollow member including spaced apart holes, and a perch supported upon said hollow member, said perch consisting of a length of wire having an intermediate portion thereof bent to loop form and covered with flexible material and end portions thereof uncovered and situated in the spaced apart holes of said hollow member and secured to each other at the side of the hollow member opposite the flexible material to retain the opposite end portions of said flexible material in engagement with said hollow member.

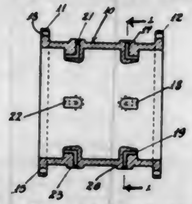
2,260,018
BIRDHOUSE
Adam S. Garthus, Independence, Wis.
Application April 2, 1941, Serial No. 386,439
12 Claims. (Cl. 119—23)

1. A bird house comprising a hollow body portion, a hollow roof portion having a lower part thereof in snug surrounding relation to an upper part of said hollow body portion and an upper part thereof constituted as a piece of material separate from the lower part, said lower part of said hollow roof portion being constituted as a trough like member composed of an



outer, annular wall and an inner, annular wall in spaced relation to each other providing an annular space between said outer and inner walls, and means detachably securing said hollow body portion in said inner, annular wall of said lower part of said hollow roof portion, one of said portions having an opening for ingress and egress of birds.

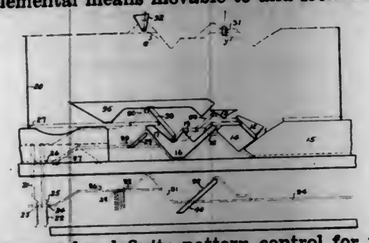
2,260,019
FLOW TUBE
Vincent Gentile, Jr., Brooklyn, N. Y.
Application July 29, 1940, Serial No. 348,189
1 Claim. (Cl. 73—212)



In fluid flow measuring apparatus, a pipe section having a flow passage of uniform diameter, two longitudinally spaced apart groups of nozzles opening at one of their ends through the wall of said pipe section, the nozzles in each group being circumferentially spaced apart and the bores of said nozzles having their other end portions opening within the pipe section in a common flow plane, and said bores of the nozzles in the respective groups extending longitudinally in relatively opposite directions and having their open ends disposed closely adjacent to the inner surfaces of the wall of said pipe section, said wall surface and the internal area of the pipe section being otherwise uninterrupted.

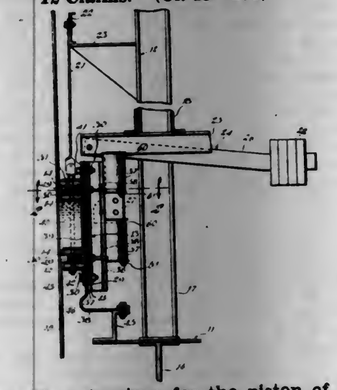
2,260,020
KNITTING MACHINE
Isaac H. C. Green, Central Falls, and Eugene St. Pierre, Pawtucket, R. I., assignors to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application March 4, 1940, Serial No. 322,140
7 Claims. (Cl. 66—41)

1. In a knitting machine the combination of means for feeding an elastic yarn, means for feeding a non-elastic yarn at a separate feeding point, means for separating needles whereby spaced needles only will take the elastic yarn and means for drawing that yarn into independent knitted stitches, means for raising needles to a yarn taking but not to a latch clearing position prior to taking the non-elastic yarn and supplemental means movable to and from active



position under definite pattern control for raising spaced needles only to clear latches at this non-elastic yarn feed whereby certain of the needles will knit and others will tuck.

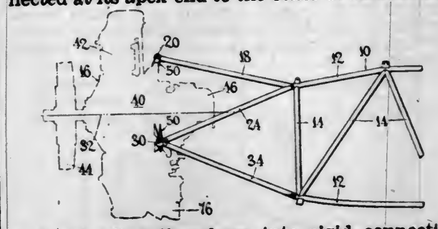
2,260,021
SEALING MEANS FOR GAS HOLDER PISTONS
William E. Gruening and Herman H. Liese, Cincinnati, Ohio, assignors to The Stacey Brothers Gas Construction Company, Cincinnati, Ohio, a corporation of Ohio
Application February 7, 1939, Serial No. 255,174
12 Claims. (Cl. 48—176)



1. A sealing structure for the piston of a gas holder, said structure consisting of spaced circumferentially disposed laminated packing rings, said laminated packing rings including in each instance, an intermediate lamination adapted to move relative to the other laminations, and means for urging each intermediate lamination outwardly under predetermined pressure.

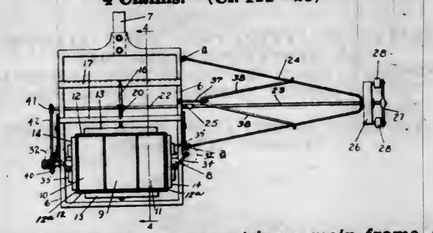
2,260,022
AIRCRAFT
Joseph M. Gwinn, Jr., Buffalo, N. Y., assignor to Brewster Aeronautical Corp., Long Island City, N. Y.
Application January 8, 1940, Serial No. 312,892
6 Claims. (Cl. 248—5)

3. In an aircraft, an engine, an engine mounting device comprising essentially an adaptor ring unitary with said engine and having only three shock absorbing engine connection fittings unitary therewith and extending outwardly therefrom in spaced relation therearound, a pair of pyramidal frames composed of strut means connected respectively at their apex ends to two of said fittings and extending into rigid connection at the other of their ends with said aircraft, and a triangular frame composed of strut means connected at its apex end to the other of said fittings



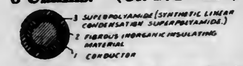
and extending therefrom into rigid connection at its base end with said aircraft.

2,260,023
CORN PLANTER
Arthur J. Haemer, East Moline, Ill.
Application August 22, 1939, Serial No. 291,345
4 Claims. (Cl. 111—25)



1. A corn planter, comprising a main frame, a portable support therefor comprising a central roller and end drums independently rotatable, rotatable ground contacting disks at the ends of said support provided with spaced markers for forming cross-furrows in the ground, trip devices normally holding said markers and disks from rotation, an auxiliary frame secured at one side of the main frame, a shaft rotatably mounted in the auxiliary frame, a rotary member on the outer end of said shaft carrying a pair of furrow engaging rollers, and connections between said shaft and said trip devices to release the same upon rotation of said rotary member and shaft by engagement of one of said rollers with a cross-furrow.

2,260,024
INSULATED ELECTRICAL CONDUCTOR
Ralph W. Hall and Henry A. Smith, Fort Wayne, Ind., assignors to General Electric Company, a corporation of New York
Application September 1, 1938, Serial No. 227,894
8 Claims. (Cl. 174—121)

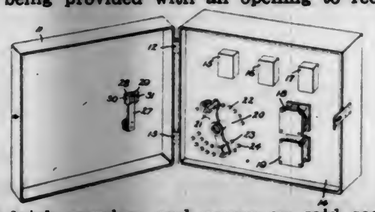


1. An insulated electrical conductor in which the insulation comprises fibre glass associated with a composition comprising a superpolyamide modified with a synthetic resin.

2,260,025
ELECTRIC CONTROLLER
John A. Hepperlen, East Orange, N. J., assignor to General Electric Company, a corporation of New York
Application February 7, 1941, Serial No. 377,903
6 Claims. (Cl. 200—168)

1. An electric controller comprising a box, an operating member in said box, a door for said box, a handle on the exterior of said door pivotally mounted for movement on said door, a second member mounted on the interior of said door connected to said handle, a movable latch

member on said operating member, means biasing said latch member toward said second member when said door is closed, said second member being provided with an opening to receive



said latch member, and means on said second member on each side of said opening to depress said latch member for entrance into said opening when said handle is moved after closure of said door.

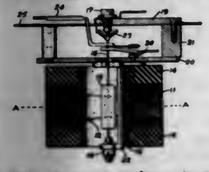
2,260,026

REPULSION-ATTRACTION TYPE ELECTRICAL MEASURING INSTRUMENT

Stephen C. Hoare, Manchester, Mass., assignor to General Electric Company, a corporation of New York

Application January 5, 1940, Serial No. 312,529

3 Claims. (Cl. 171—95)



3. An electrical measuring instrument comprising a current conducting coil adapted to be energized in accordance with a quantity to be measured, stationary and movable irons disposed in inductive relation to said coil, said movable iron being biased to oppose motion in a given direction referred to as the up-scale direction, said stationary iron including a repulsion iron having edges magnetized with the same polarity as adjacent ends of said movable iron and being tapered so that the distances between the ends of said movable iron and edges of said repulsion iron become greater as the movable iron moves up-scale, and means for mounting said movable iron in eccentric relation to said current conducting coil and stationary iron whereby an attractive force is produced on said movable iron by the flux produced by said coil which attractive force is substantially a maximum in the down scale direction when said movable iron is at the zero position and substantially a maximum in the up-scale direction when said movable iron is at the up-scale position.

2,260,027

SKI

John Leslie Hotson, Haverford, Pa.

Application May 7, 1940, Serial No. 333,729

15 Claims. (Cl. 280—11.16)



1. In a ski, a longitudinally springing blade having edges flaring outwardly and upwardly and freely movable devices carried by the edges to receive side thrust and transmit it to the blade.

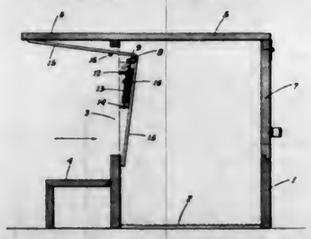
2,260,028

POULTRY NEST

Norman C. Houston, Ripon, Calif.

Application December 3, 1940, Serial No. 368,278

2 Claims. (Cl. 119—49)



1. In a poultry nest including a box having a door opening therein, a door assembly having portions disposed in end to end relation at an angle to each other, and means mounting the door assembly for snap-action swinging movement about a horizontal axis and to alternately swing said door assembly portions to closed position relative to said opening; said means comprising a horizontal transverse rod from which said door assembly portions extend substantially tangentially from the rod, the end portions of said rod being looped, bent downwardly and thence laterally outward to form oppositely projecting trunnions parallel to but below said rod and loops, brackets mounted on opposite sides of the box and rotatably supporting said trunnions, an ear projecting laterally inward from the lower end of one bracket below the corresponding loop and trunnion, and a tension spring connected at its upper end on said corresponding loop and connected at its lower end on the ear, said ear and the corresponding loop lying in substantially a vertical plane adjacent the plane of the door opening.

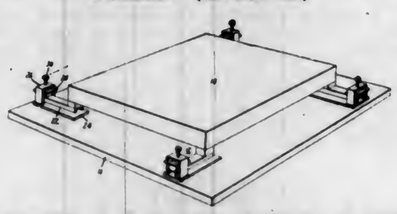
2,260,029

FLEXIBLE SUPPORTING ARRANGEMENT

Edwin H. Hull, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application December 16, 1939, Serial No. 309,647

5 Claims. (Cl. 248—22)



1. Flexible supporting arrangement comprising a supported member, a supporting member, and horizontally and vertically flexible means supporting the supported member on the supporting member, said means comprising a lever, spaced compressed cushions of rubber-like material for pivotally connecting the lever to each member, and another cushion of flexible rubber-like material between the lever and one of the members and subject to a deflecting force greater than that exerted by the corresponding mass of the supported member, there being no path between the supported and the supporting members which does not include at least one of said cushions.

2,260,030

SOLDERING IRON APPARATUS

Roy D. Hurst, Los Angeles, Calif.

Substitute for application Serial No. 285,054, July 17, 1939. This application December 6, 1940, Serial No. 368,900

10 Claims. (Cl. 219—26)



1. In a soldering iron, a hollow handle, a hollow electrical conducting tubular member mounted in said handle and projecting therefrom, a metal head on said member, a carbon in said head, a shiftable rod in said member, a second carbon on said rod, means to urge said rod towards said head, and a control member tiltable on said rod, said control member having a hole slightly larger than said rod and receiving said rod.

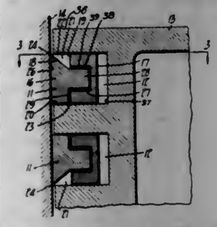
2,260,031

PISTON RING

Charles F. Johnston, Oakland, Calif.

Application September 16, 1938, Serial No. 230,167

9 Claims. (Cl. 309—31)



1. A packing ring adapted for use in a piston ring groove to seal the piston in a cylinder for compression of an operating fluid comprising, a pair of split ring members of resilient material adapted to fit one within the other in substantially coplanar relation, means securing said members for limited relative axial movement and affording relative radial expansion and contraction of said members, said members having radially opposed circumferentially extending walls connected to axially opposed radially extending walls defining an open top annular chamber adapted to receive fluid under pressure from said cylinder whereby said fluid will operate against said radially opposed walls to urge the expansion of said outer member and the contraction of said inner member and will operate against said axially opposed walls to displace said members in opposite directions axially to seal the opposite groove ring lands.

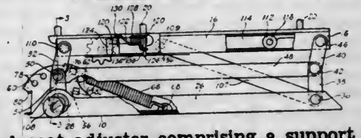
2,260,032

SEAT CONSTRUCTION

Arnold W. Kaiser and Herman C. Rusch, Milwaukee, Wis., assignors to Nash-Kelvinator Corporation, Kenosha, Wis., a corporation of Maryland

Application February 27, 1939, Serial No. 258,604

7 Claims. (Cl. 155—14)



4. A seat adjuster comprising a support for a seat, a plurality of toggles extending between the support and the seat, links connecting the knees of said toggles together to cause them to operate in unison, a link connected between said support and said seat to cause said seat to move in a substantially vertical direction under the action of said toggles, means for rotating one of the links of one toggle to straighten or break the toggles and including a rock shaft to which said toggle link is fast, means urging said toggle link in a toggle straightening direction, and manually disconnectible means for locking said rock shaft against rotation.

2,260,033

PREPARATION OF UREA-FORMALDEHYDE RESINOUS MOLDING COMPOSITIONS

Roy H. Kienle, Bound Brook, N. J., and William J. Scheiber, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York

No Drawing. Application February 23, 1938, Serial No. 191,950

1 Claim. (Cl. 260—42)

In a method of making a heat-convertible moldable composition, the steps of effecting reaction between urea and formaldehyde in aqueous solution in the ratio of 1 mol urea to 1 to 1.5 mols formaldehyde, said reaction being carried out at a temperature not exceeding 30° C. and while maintaining the pH of the solution at 7.0 until the resin is formed in solution, adding to the resulting resinous solution an aqueous ammoniacal solution of a soluble glyceryl phthalate resin in an amount by weight corresponding to 60 parts of the said glyceryl phthalate resin to 240 parts of urea-formaldehyde resin and preventing the temperature from rising above 30° C. during the addition of the said glyceryl phthalate resin to the solution of urea-formaldehyde resin, the said glyceryl phthalate resin accelerating the conversion of the said urea-formaldehyde resin to an infusible state during molding of a moldable composition containing the same.

2,260,034

CERAMIC MATERIALS

Erich Krautz, Berlin-Charlottenburg, and Wilfried Meyer, Berlin-Birkenwerder, Germany, assignors to General Electric Company, a corporation of New York

No Drawing. Application June 22, 1938, Serial No. 215,308. In Germany June 28, 1937

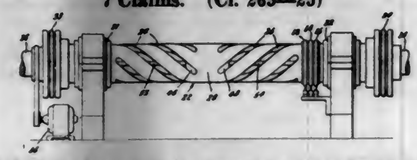
3 Claims. (Cl. 106—46)

1. Hard, dense ceramic insulating materials consisting substantially of magnesium oxide and containing a minor addition of an oxide of the class consisting of nickel and cobalt oxide, together with beryllium oxide.

2,260,035
REFRACTORY INSULATING MATERIAL AND METHOD OF MAKING SAME
Louis Krieger, Paris, France, assignor to General Electric Company, a corporation of New York
No Drawing. Application October 6, 1939, Serial No. 298,339. In France October 19, 1938
5 Claims. (Cl. 106—46)

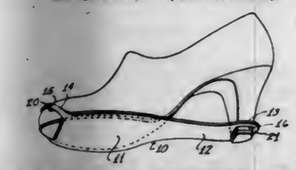
2. A refractory insulating material comprising the heat-reaction product of a mixture of natural steatite and magnesium, said magnesium being present in an amount approximating but not exceeding substantially the amount calculated as necessary to react completely with the water present in the steatite.

2,260,036
TRANSMISSION DYNAMOMETER
Hans P. Kuehni, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 24, 1940, Serial No. 354,102
7 Claims. (Cl. 265—25)



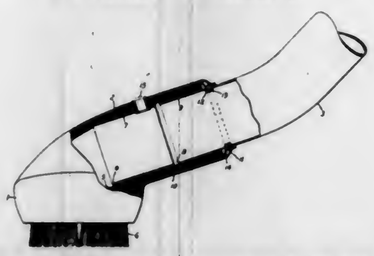
1. In a transmission dynamometer for transmitting power from a driving member to a driven member, a first element and a second element axially spaced from each other and adapted to undergo a relative angular displacement in proportion to the torsional force required to drive said driven member, an element positioned intermediate said first and second elements and adapted to move in an axial direction relative thereto, a righthand spring helix secured at one end to said first element and at the other end to said intermediate element, a lefthand spring helix secured at one end to said second element and at the other end to said intermediate element, whereby one helix is caused to lengthen and the other to shorten and said intermediate member is caused to undergo movement relative to said first and second elements in the direction of the axis of rotation thereof proportional to the angular displacement between said first and second elements, and means responsive to said relative movement.

2,260,037
FOOT-BALANCING AND CUSHIONING MEANS
Peter L. Lazarus, St. Louis, Mo.
Application February 28, 1941, Serial No. 381,004
12 Claims. (Cl. 36—7.5)



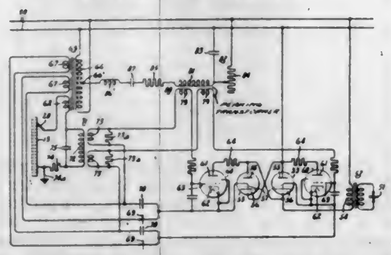
1. A foot-balancing and protective device for application over the outer sole of a shoe, and consisting of a length or strip of a resilient sheet material provided with an integral strap portion on its forward end, arranged to be passed over the toe or cap portion of the shoe to which the device is applied, and means at the rear or heel end of the device for securing it to the heel portion of the shoe, the initial length of the strip being less than the corresponding dimensions of the shoe, and such that the strip is positioned on the shoe under a distinct tension lengthwise of the shoe.

2,260,038
COUPLING
Henry T. Lang, Cleveland, Ohio, assignor to Electric Vacuum Cleaner Company, Inc., Cleveland, Ohio, a corporation of New York
Application April 30, 1940, Serial No. 332,510
2 Claims. (Cl. 285—97.3)



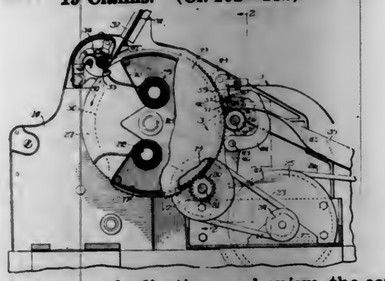
1. A swivel coupling comprising a flexible tube having its walls confined between rigid inner and outer sleeves, a rigid tube rotatably telescoped within the inner sleeve and having an outwardly extending shoulder beyond the end of the flexible tube, and an inwardly extending flange on the outer sleeve cooperating with said shoulder to prevent removal of the rigid tube.

2,260,039
ELECTRIC CONTROL SYSTEM
Louis G. Levoy, Jr., Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Original application August 5, 1938, Serial No. 223,253. Divided and this application February 1, 1940, Serial No. 316,863
9 Claims. (Cl. 250—27)



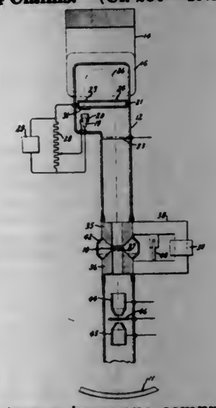
1. In a power circuit having means to supply energy to a work circuit including a pair of reversely connected electric valves for controlling the flow of power to said work circuit and each having a control member for controlling the conductivity thereof, an excitation circuit for the control members comprising a source of current and a commutating device having relatively movable contacts for connecting said source to said control members, and means to suppress transients occasioned by said commutating device including a resistance and a capacitance connected in series relation with each other and in series relation with said source.

2,260,040
DUPLICATING MECHANISM
Arthur J. Levenhagen, Chicago, and Robert F. Morrison, Oak Park, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application September 26, 1940, Serial No. 358,406
19 Claims. (Cl. 101—132)



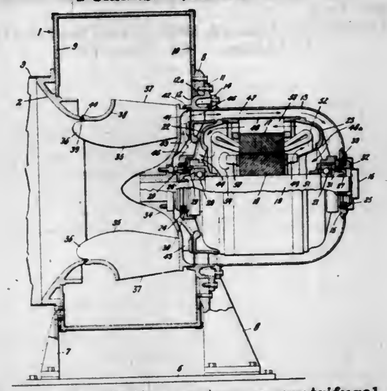
1. In a rotary duplicating mechanism, the combination of a frame, a drum rotatably mounted thereon and having a recess in its face at one side of the drum, means for supporting a copy sheet releasably on said drum with its forward end portion extending over said recess, a stripping roller rotatably mounted on said frame in slightly spaced relation to the drum, means for driving said roller, a pusher member movably mounted on said frame adapted by outward movement in timed relation to the rotation of the drum to engage the forward end portion of a copy sheet carried by the drum and to push the sheet outwardly into engagement with said driven roller, means for moving said pusher member outwardly, means for pressing said copy sheet against said driven roller for pulling the sheet off the drum, and means actuated in timed relation to the outward movement of the pusher member for giving the pusher member a slight rocking movement out of engagement with said copy sheet.

2,260,041
ELECTRON MICROSCOPE
Hans Mahl, Reinickendorf, Adolf Pendzich, Berlin, and Eberhard Steudel, Berlin-Dahlem, Germany, assignors to General Electric Company, a corporation of New York
Application September 20, 1940, Serial No. 357,644
In Germany March 22, 1939
4 Claims. (Cl. 250—49.5)



1. An electron microscope comprising an electron source, an object mount positioned in the path of electrons emitted from said electron source and adapted to support an object desired to be investigated electron-optically, means including an accelerating electrode and a source of accelerating potential connected thereto for projecting electrons from the electron source through an object supported in said mount, said potential source being subject to sporadic variations whereby the electrons projected from the electron source tend to be of varying velocity, an electron lens system for electron-optically refracting electrons projected through the said object so as to produce useful magnification effects, the operation of said lens system being variable with the velocity of the electrons, means for assuring the continuous existence in the electron stream projected from the electron source of velocity variations greater than the sporadic variations attributable to the said potential source, and means for eliminating from the portion of the stream projected through the said object electrons above and below a selected velocity, whereby the electrons reaching the said electron lens system are solely of the selected velocity.

2,260,042
VENTILATING SYSTEM
Kenton D. McMahan, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application January 18, 1940, Serial No. 314,458
4 Claims. (Cl. 230—117)

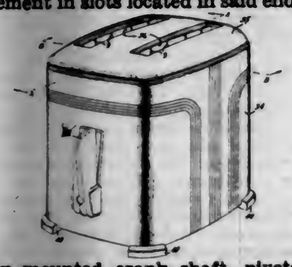


1. In a ventilating system, a centrifugal fan casing having inlet and outlet ducts, an opening in one side of the casing, a motor enclosing casing sealed to said fan casing around said opening providing a chamber sealed from the outside air, a motor in said chamber, an impeller having a hub closing said opening, blades on the side of the hub adjacent the chamber having intake and discharge ends within said chamber so as to circulate air over the motor, and blades on the opposite side of the hub for circulating air through the ducts.

2,260,043
TOASTER
Hugh J. Middleton and John A. Hashek, Toronto, Ontario, Canada, assignors to General Electric Company, a corporation of New York
Application October 1, 1940, Serial No. 359,250
In Canada March 6, 1940
6 Claims. (Cl. 219—19)

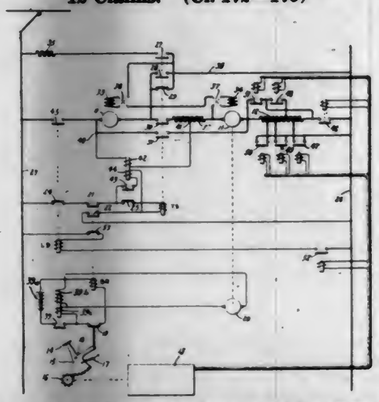
1. An electric toaster comprising in combina-

tion, a base, vertically mounted end plates supported adjacent each end of said base, heating means disposed between said end plates to define a toasting space, a bread slice support vertically movable within said toasting space, a shaft extending between said end plates and supported for movement in slots located in said end plates, a



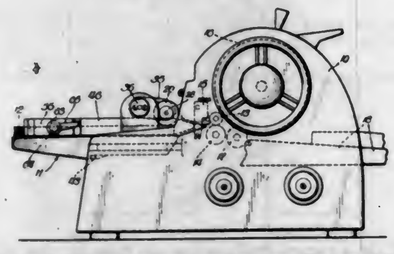
rotatably mounted crank shaft, pivotally connected members linking said crank shaft to said first-named shaft, and means connecting said first-named shaft to said bread slice support whereby rotation of said crank shaft causes said first-named shaft to move in said slots and said movement is transmitted to said bread slice support.

2,260,044
CONTROL SYSTEM
Harold G. Moore, Wesleyville, Pa., assignor to General Electric Company, a corporation of New York
Application June 26, 1940, Serial No. 342,518
12 Claims. (Cl. 172—179)



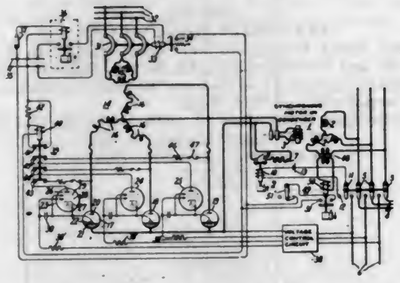
1. In a dynamic braking control system the combination of two series connected momentum driven dynamo electric machines each having an armature and a series field winding, electric supply connections, a dynamic braking resistor, switching means movable to connect said dynamic braking resistor across said armatures for dynamic braking, manual operating means for controlling said switching means biased to a position to operate said switching means to establish dynamic braking, relay means responsive to a difference between the voltages of said dynamo electric machines movable from one position to a second position to operate said switching means to discontinue dynamic braking, holding means for holding said relay means in said second position, and means responsive to movement of said manual operating means from said position for disabling said holding means.

2,260,045
PAPER FEEDING MEANS FOR DUPLICATING MACHINES
Robert F. Morrison, Oak Park, and Glen E. Wimmer, Chicago, Ill., assignors to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application May 1, 1939, Serial No. 271,108
11 Claims. (Cl. 271—36)



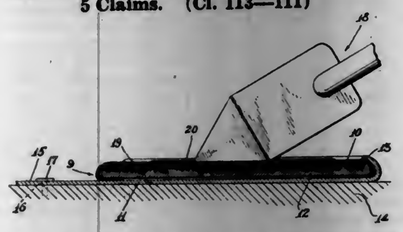
1. In a paper feeding mechanism, the combination of, a table adapted to support a pile of copy sheets, paper feed means adjustable transversely of the table so as to be brought into operative engagement with the side margins of the top sheet of the pile on said table and reversible so as to be adjustable into fairly close proximity to the middle portions of said top sheet, and means for giving said paper feed means operative movements in engagement with said top sheet in either of its reversible positions for feeding said top sheet edgewise from the pile.

2,260,046
ELECTRIC VALVE SYSTEM FOR DYNAMO-ELECTRIC MACHINES
Elmo E. Moyer, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application December 1, 1939, Serial No. 307,068
12 Claims. (Cl. 172—274)



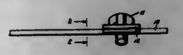
3. In combination, a synchronous motor having an armature winding and a field winding, a source of current, electric translating apparatus for energizing said field winding from said source and comprising an inductive network and electric valve means having an anode, a cathode and an immersion-igniter control member, a control circuit for energizing said control member and comprising means energized in response to the anode voltage of said electric valve means, an electric circuit, means for connecting said armature winding to said electric circuit to start said motor as an induction motor, and means for preventing operation of said control circuit during the starting operation so that current is not transmitted to the control members.

2,260,047
METHOD OF AND MEANS FOR CLEANING AND TINNING SOLDERING TOOLS
Hernold P. Nelson, Chicago, Ill.
Application July 7, 1938, Serial No. 218,033
5 Claims. (Cl. 113—111)



1. A device for cleaning the soldering surface of a soldering tool comprising, in combination, a metallic cleaning screen, a holder, and an asbestos pad between said screen and said holder.

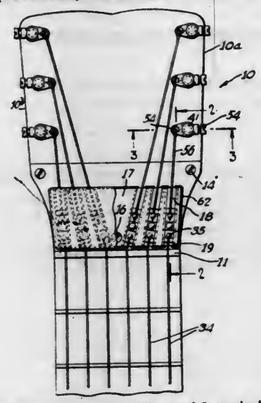
2,260,048
FASTENING ARRANGEMENT
Heber L. Newell, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application December 27, 1939, Serial No. 311,145
3 Claims. (Cl. 174—138)



3. The combination with a wall having an elongated opening therein of a resilient strip adapted to engage said wall and having an elongated opening therein similar to the opening in said wall, said elongated openings in said strip and said wall having a central portion wider than the remaining portions of said openings, a button having a pair of elongated head portions lying at an angle to each other and connected by a cylindrical body portion, said head portions having a length less than the length of said elongated openings and said body portion having a diameter less than the central portion of said elongated openings so that either of said head portions may be inserted through said elongated openings in said strip and said wall an amount sufficient to permit said cylindrical body portion of said button to be received in said central portions of said elongated openings whereby said button may be rotated so that each of said head portions lies at an angle to said openings in said wall and strip respectively, said resilient strip having a flanged portion arranged to engage an edge of said wall to prevent relative rotation between said strip and said wall and a pair of ears extending outwardly from said strip and adapted to engage opposite sides of the head portion of the button adjacent thereto to prevent relative rotation between said button and said strip.

2,260,049
TUNING DEVICE FOR STRING INSTRUMENTS
Frank J. Nickel, Jr., Belair, Md.
Application June 12, 1940, Serial No. 340,129
5 Claims. (Cl. 84—297)

1. A tuner for a string instrument having a neck, comprising a member slidably mounted on said neck and having means to receive one end of a string, a post fixed to the neck, a member rotatably mounted about said post, means fixing said rotatable member to said post in various angular positions, and means interconnecting

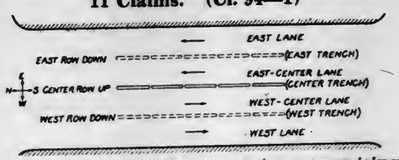


said second member with said rotatable member.

2,260,050
METHOD FOR DESIZING ARTIFICIAL SILK
Anna Noder, Munich, Germany, assignor to Buffalo Electro-Chemical Company, Inc., Buffalo, N. Y.
No Drawing. Application June 8, 1939, Serial No. 278,167. In Germany March 31, 1937
3 Claims. (Cl. 8—138)

1. The method of desizing goods containing artificial silk sized with linseed oil which comprises treating the goods in an aqueous desizing bath comprising 1–5 grams sodium bicarbonate per liter, an amount of sodium carbonate per liter between 1–5 grams sufficient if alone to damage the artificial silk and 0.5 to 1 gram of hydrogen peroxide per liter, the carbonate and bicarbonate being present in sufficient quantities that the pH of the solution is less than that due to carbonate alone, and to buffer the solution, the temperature of treatment being below about 80° C.

2,260,051
TRAFFIC SEPARATOR
Harvey S. Pardee, Ravinia, Ill.
Application June 24, 1940, Serial No. 342,089
11 Claims. (Cl. 94—1)

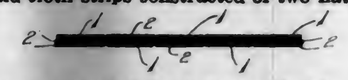


1. A highway traffic separator comprising a series of barrier units forming a line, power means for moving each barrier unit from a depressed to an elevated position, and automatic means for sequentially applying power from said power means to move successive barrier units in the series.

2,260,052
CLOTH MATERIAL AND METHOD OF PREPARING THE SAME
Evelyn Passavant, Los Angeles, Calif.
Application October 21, 1940, Serial No. 362,078
6 Claims. (Cl. 139—420)

1. In a cloth material of the class described,

the combination of interwoven cloth strips, each of said cloth strips constructed of two flat strips



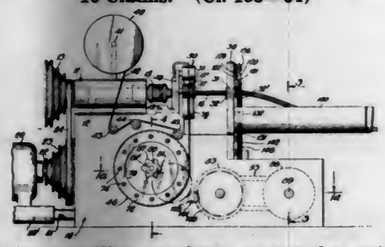
of conventional bias tape sewed together in flat engaged relation with each other.

2,260,053

AUTOMATIC COIL WINDING MACHINE

Stephen A. Platt, Nutley, N. J., assignor to Wilbur B. Driver Company, Newark, N. J., a corporation of New Jersey

Application August 28, 1940, Serial No. 354,474
16 Claims. (Cl. 153—64)



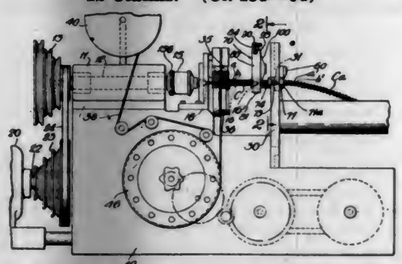
1. In a coiling machine, means for cutting off lengths of coil from the coil formed therein without impeding the coil forming operations comprising a severing member, periodic means for operating said severing member, and linkage means between said severing member and said operating means, said linkage means being so arranged as to provide a single cutting stroke and a single power return stroke of said severing member in one phase of operation of said periodic means and to maintain said severing member inactive during the entire return phase of operation of said operating means.

2,260,054

TURN SPACING DEVICE FOR COILS

Stephen A. Platt, Nutley, N. J., assignor to Wilbur B. Driver Company, Newark, N. J., a corporation of New Jersey

Application October 2, 1940, Serial No. 359,335
12 Claims. (Cl. 153—64)



1. In a coil winding machine wherein coils having closely spaced turns are initially formed, a device for spacing said turns from each other comprising a guide member supported from said machine and having a bore to receive said coils and in which the latter move, a fixed support, a member movably carried on said support, a rotary wedging member carried by said movable member and movable with it transversely of said bore and adapted to engage between successive turns of coil emerging therefrom to space the same from each other and means for adjusting the depth of entry of said rotary wedging means between said turns to vary the extent of spacing effected between said turns, said adjusting means including a part rotatably mounted in said support but fixed against longitudinal movement therein, said part engaging threadedly with said movable member whereby rotation of said part will effect movement of said movable member relative to said support.

2,260,055

MAGNETIC TOOL

Robert T. Reardon, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York

Application September 19, 1939, Serial No. 295,599
2 Claims. (Cl. 145—50)



1. In a magnetic tool, a head portion having a recess therein, a short permanent magnet insert positioned in said recess and having at least one of its polar faces extending toward the open end of said recess and forming a seat for magnetically holding a driven member, said magnet being further provided with a transverse slot in said seat, a bit member positioned in said transverse slot and having a portion protruding from said seat for engaging a slot in the driven member, means for securing said bit to said head portion, and means independent of said permanent magnet through which a torsional force may be applied by said head portion to said bit for rotatably driving said driven member.

2,260,056

SASH BALANCE

Albert J. Rosentreter, Boonton, N. J., assignor to Rochester Sash Balance Co., Inc., Rochester, N. Y., a corporation of New York

Application December 9, 1940, Serial No. 369,240
5 Claims. (Cl. 16—197)



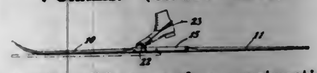
1. A sash balance construction comprising a spiral bar vertically and rotatably positionable on a sash, a coil spring connected to said rotatable spiral bar and controlling its movement, and locking means positionable to engage the rotatable spiral bar with a stationary part and hold the spring and rotatable spiral bar in predetermined relation, said locking means being slidable on the spiral bar, and means acting automatically to engage and move the locking means on the spiral bar to free the rotatable spiral bar and spring upon movement of the sash to which the parts are attached.

2,260,057

COLLAPSIBLE SKI

John T. Rydberg, Harrison, N. J.

Application May 13, 1939, Serial No. 273,386
7 Claims. (Cl. 280—11.35)



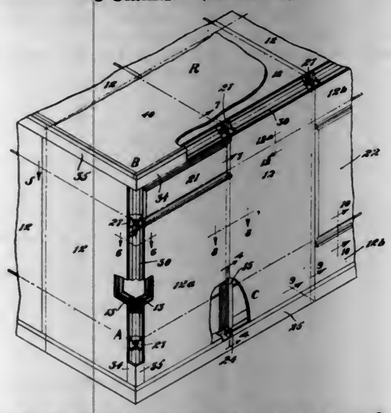
1. In a collapsible snow shoe construction, such as a ski, front and rear members, a pair of spaced and aligned double-pin hinges secured at bottom of and operatively connecting said members, a substantially channel-shaped foot supporting element fixedly attached to and extending from one member, and cooperating with and adapted to engage, embrace, overlap and interlock with the other member, and locking means provided at the sides of said other member and at the flanges of said element for sustaining the members in continuous position relative to one another.

2,260,058

PREFABRICATED BUILDING STRUCTURE

Arthur Carol Sanford, Canton, Ohio

Application September 5, 1939, Serial No. 293,331
8 Claims. (Cl. 20—2)



1. A building structure comprising a roof and walls formed of edge-abutting prefabricated units having double grooves in their marginal edges, spline members interfitting one set of said grooves at the joints between abutting units, reinforcing rods located in the other set of said grooves at the joints between abutting units and projecting therefrom at the building corners, and means connecting the projecting ends of said rods for holding the units together.

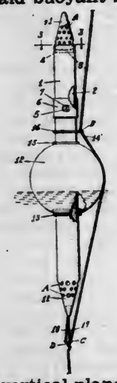
2,260,059

FISHING BOB

William E. Sears, Eureka, Kans.

Application May 8, 1940, Serial No. 333,991
4 Claims. (Cl. 43—17)

1. In fishing bobs, a tubular buoyant body, means to vertically position the said tubular body in water, whereby the tube is partially filled with water, the unfilled portion of the tube functioning as a compression chamber for a whistle, an orificed whistle secured in the compression chamber, a breather in the end portion of the tube adjacent the whistle communicating with the compression chamber to insure audible action of the whistle, and means to adjust the breather, and a line adjustably secured to the buoyant body as vertically supporting means therefor in the water so that when the said buoyant body is moved reciprocatingly on a vertical plane the displacement of the water in the tube will cause the whistle to respond audibly.



2,260,060

BUCKLE CONNECTION

Joseph Shaulson, Providence, R. I.

Application December 9, 1940, Serial No. 369,193
4 Claims. (Cl. 24—200)



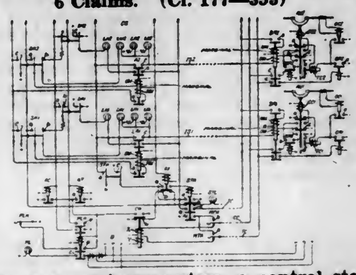
2. A buckle comprising an integral frame having split top and bottom bars, and side bars, an intermediate bar spaced from said split top bar, a second intermediate bar spaced from said split bottom bar, and two split bars positioned between said two intermediate bars, the split bars being substantially at right angles to said side bars, all the bars being in the same plane.

2,260,061

SUPERVISORY SYSTEM

Clyde E. Stewart, Upper Darby, Pa., assignor to General Electric Company, a corporation of New York

Application November 7, 1939, Serial No. 303,237
6 Claims. (Cl. 177—353)

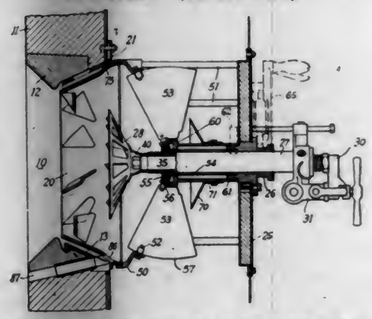


1. In a supervisory system, a control station, a plurality of remote apparatus units, an individual conductor from each unit to said station, a battery, means associated with each apparatus unit for selectively connecting the adjacent end of the associated individual conductor to differ-

ent terminals of said battery in accordance with the position of the unit, individual signaling means at said station for each apparatus unit selectively controlled in accordance with the terminal of said battery to which the remote end of the associated individual conductor is connected, an individual control winding associated with each apparatus unit, a control conductor extending from said station to all of said apparatus units, individual selective relays associated with each control winding for connecting it to said control conductor, each relay having an operating winding connected in series with the respective individual conductor and a holding winding, a second conductor extending from said station to all of said apparatus units, means at said control station for controlling the current in an individual conductor so as to effect the operation of the associated selective relay, means responsive to the operation of a selective relay for completing an energizing circuit for the associated holding winding through said second conductor independently of the position of the associated unit, means responsive to the energization of said second conductor for operating the individual signaling means corresponding to the operated selective relay to indicate that said relay has been operated and means at said control station for controlling the energization of any control winding connected thereto.

2,260,062
FUEL BURNER

Thomas B. Stillman, South Orange, N. J., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application June 23, 1937, Serial No. 149,822
14 Claims. (Cl. 158—1.5)

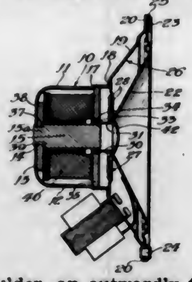


1. In combination with a furnace wall having a fuel burner port therein, a fluid fuel burner nozzle constructed to discharge a stream of fluid fuel, means for directing combustion air around the discharge end of said burner nozzle and through said burner port, and a ring member mounted in said burner port, said ring member having a discharge edge section formed with a non-circular internal perimeter, and a series of deflector vanes on the inner surface of said ring member arranged to extend at an oblique angle to the plane of the discharge edge.

2,260,063
LOUD-SPEAKER

John McWilliams Stone, St. Charles Township, Kane County, and Carleton T. Weibler, St. Charles, Ill., assignors to Operadio Manufacturing Company, St. Charles, Ill., a corporation of Illinois
Application February 28, 1938, Serial No. 193,054
1 Claim. (Cl. 179—115.5)

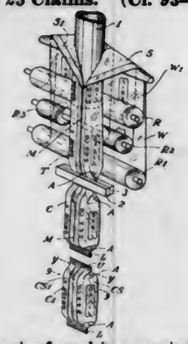
In a sound reproducer housing, an integral, ferrous, sheet metal structure comprising a cylindrical pot portion having an apertured closure at one end, a portion of enlarged diameter adjacent its remaining end providing an interior



annular shoulder, an outwardly flanged opening providing a surrounding annular shoulder and a frusto-conical diaphragm supporting portion projecting from the outer edge of said flange.

2,260,064
METHOD OF MAKING CONTAINERS

John S. Stokes, Huntingdon Valley, Pa., assignor to Stokes and Smith Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 16, 1939, Serial No. 290,378
25 Claims. (Cl. 93—3)



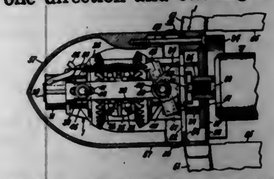
1. In the art of making containers, the method which comprises shaping web material and joining its marginal edges to form a multi-ply tube of at least two nested tubes which at least to substantial extent are free of attachment to each other, transversely sealing the multi-ply tube at intervals longitudinally thereof to define multi-ply containers, introducing filling into each of the containers between the aforesaid transverse sealing operations defining it, transversely severing the multi-ply tube to detach the sealed and filled containers therefrom in succession, and in advance of the detachment of each filled and sealed container introducing between the web material forming said nested tubes sheet material which is retained within the multi-ply wall of that container.

2,260,065
WRINGER

John S. Visscher, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application April 13, 1938, Serial No. 201,806
4 Claims. (Cl. 68—253)

1. In a wringer, rolls, driving gearing therefor

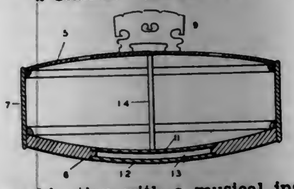
including a member movable into and out of a position effecting a driving connection to the rolls, mechanism for applying and releasing the pressure between the rolls, a carrier reciprocated by said mechanism, a lever pivoted thereon, means yieldingly resisting pivotal movement of the lever in one direction and offering substantially



greater resistance to pivotal movement thereof in the reverse direction, a connection between said lever and said movable member whereby the movable member is moved into and out of the driving position as the carrier is reciprocated, said connection being shiftable along the length of the lever.

2,260,066
MUSICAL INSTRUMENT

Balthasar Vitalis, San Francisco, Calif.
Application June 17, 1941, Serial No. 398,414
2 Claims. (Cl. 84—294)

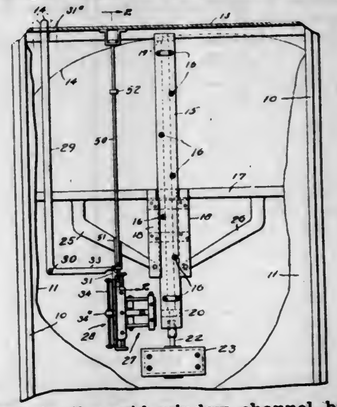


1. In combination with a musical instrument having a front portion, a back portion and a sound post, an opening formed in said back portion, a pair of spaced plates inserted in said opening to form a confined air space, one of said plates being abutted by said sound post.

2,260,067
ELECTRICAL MOTOR DRIVEN WINDOW APPARATUS

Frank H. Walker and Daniel L. Chandler, Salem, Mass., assignors to Aresee Company Inc., Salem, Mass., a corporation of Massachusetts
Application July 19, 1940, Serial No. 346,307
3 Claims. (Cl. 268—124)

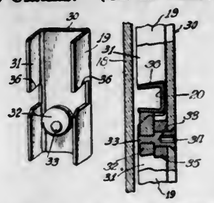
1. The combination with a vertically sliding window, of a window operating mechanism comprising a channel member on which the window is mounted in a window frame, a threaded shaft threaded through a projection member attached to said window channel, a reversible electrical motor located within the confines of said window being directly connected to said shaft, a double throw double pole electrical switch also mounted within the confines of said window and provided with a spring actuated operating lever, a bellcrank lever pivoted in said window frame, one end of said bellcrank lever having a pivot portion pivoted in said window frame, and a switch contacting end portion engaged with said operating lever extending above sill of said window, the free end of said bellcrank lever providing a finger control portion for operating said bellcrank lever, a vertical rod slidably engaged at its upper end with the under side of said sill, the lower end being slidably engaged through a projection located on said switch operating lever, a bracket member indirectly fixed to said window channel member and slidably engaged around said vertical rod, an upper stop member located on said rod for the purpose of engaging with said bracket member when said window is raised to its uppermost position, a lower stop member attached to the bottom end of said rod engaging with the lower side of the said projection on said operating switch lever when said window is raised to its uppermost position for the purpose of raising said operating switch lever and neutralizing



said switch, the said window channel bracket member engaging the upper side of said operating switch lever projection when the said window is moved into its lowermost position and moving said operating switch lever into a neutral position from an opposite direction, the lower end of said bellcrank lever engaged through a slot located in said operating lever for the purpose of moving said operating switch lever up or down to close said switch and energize said motor.

2,260,068
DISPLAY DEVICE

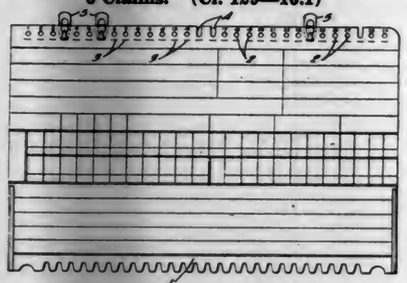
Erwin Wagner, Chicago, Ill., assignor to Wagner Sign Service, Incorporated, Chicago, Ill., a corporation of Illinois
Application July 27, 1939, Serial No. 286,821
10 Claims. (Cl. 40—140)



9. In combination, a character for display against a display surface comprising a body which is generally channel-shaped in cross-section having a frontal face and marginal flanges extending rearwardly therefrom, a carrier member for disposal in front of said display surface and substantially parallel thereto, notches in the flanges of said character simulating a groove extending rearward from the front face thereof for receiving said carrier member, locking means in said character disposed in back of the face thereof of intermediate oppositely located notches of said groove for exerting spot pressure on said carrier member at one side thereof, forcing a plurality

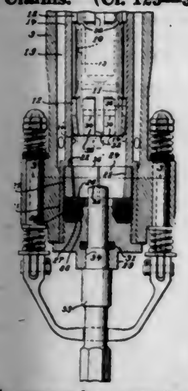
of identically located edges of said notches into counter pressure engagement with the opposite side of the carrier member to align said character on said carrier and to lock the same in place, and means on the outside of said character for actuating said locking means.

2,260,069
FILING DEVICE
John Witherspoon Whitson, Springfield, Mass., assignor to Electrofile, Inc., Albany, N. Y., a corporation of New York
Application October 31, 1939, Serial No. 302,215
6 Claims. (Cl. 129—16.1)



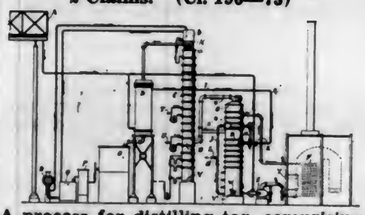
2. The combination with a card provided with a slit therein adjacent one edge, of a tab of thin, bendable sheet material having an integral, struck-out, tongue bent over and embracing said edge, and an end of said tab extending through said slit and overfolded upon said tongue; whereby a pointed instrument may be inserted between said overfolded portions to separate them and facilitate the removal of said tab from said card without injury to the card.

2,260,070
PORTABLE HAMMER
Glenn C. Wilhide, Baltimore, Md., assignor to The Black and Decker Manufacturing Company, Towson, Md., a corporation of Maryland
Application January 9, 1941, Serial No. 373,746
8 Claims. (Cl. 125—33)



1. A portable power hammer having a reciprocating cross head, a ram, guiding means therefor and resilient means between the ram and cross head transmitting motion from the ram to the cross head and permitting vibration of the ram relatively to the cross head, means for supporting a bit in the path of the ram, means for checking and holding the ram when it descends below the path of the normal working stroke as in the absence of a bit to prevent destructive hammering and vibration in idling, said locking means comprising an internally tapered ring encircling the path of the ram, the ram being correspondingly tapered to enter said ring, the guide having an annular chamber containing the ring and longer than the axial extent of the ring and yielding means supporting the ring.

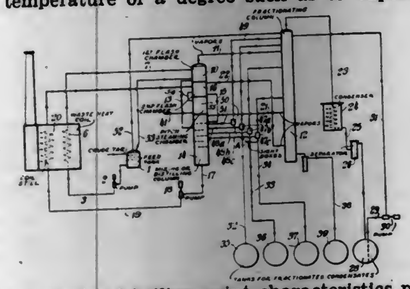
2,260,071
PROCESS INVOLVING THE DISTILLATION AND FRACTIONATION OF A MIXTURE COMPRISING HYDROCARBON COMPOUNDS INCLUDING VOLATILE AND NON-VOLATILE CONSTITUENTS
Thomas Owston Wilton, London, England
Application February 24, 1937, Serial No. 127,360
In Great Britain February 24, 1936
2 Claims. (Cl. 196—73)



2. A process for distilling tar, comprising distillable oils and residues, by maintaining a pool of material consisting of a mixture of topped fresh charge and residual materials in the lower portion of a mixing column, circulating the material from said pool through a heating coil and heating it therein to a high temperature, discharging the heated material from said coil into a separator wherein separation of vapors from residues occurs, withdrawing a stream of residues from said separator and passing it directly into the pool in the lower portion of the mixing column, withdrawing a second stream of residues from said separator, and passing it into the upper part of said mixing column, feeding a fresh charge of tar into the upper part of said mixing column, mixing and flowing the tar and residues downwardly in said column into the said pool in the lower part of the column, releasing vapors from the mixed materials during said downward flow, combining such vapors with vapors released in the separator, and fractionating the combined vapors.

2,260,072
DISTILLATION AND FRACTIONATION OF MIXTURES OF HYDROCARBONS
Thomas Owston Wilton, London, England
Application March 25, 1939, Serial No. 264,167
In Germany May 16, 1938
2 Claims. (Cl. 196—73)

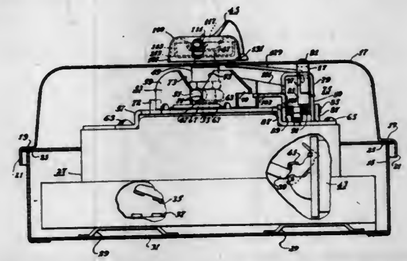
1. A process adapted for use in the fractional distillation of hydrocarbon compounds, which consists in continuously subjecting increments of the compound to a treatment of distillation in the first stage of which they will be commingled in a heat transferring relation with residues of material previously subjected to treatment administered pursuant to a second stage and of a temperature such as to vaporize components of relatively low boiling point characteristics; separating the vaporized components from the commingled residues and, as the said second stage of the treatment, continuously withdrawing residues from the said commingled mass and heating them to a temperature such as to vaporize components of boiling point characteristics materially greater than those vaporized pursuant to the first stage; separating the components vaporized pursuant to the second stage from the residues; continuously conducting a part of said residues to the commingled mass being treated pursuant to the first stage for use as the heating agent thereof and, as a third stage, conducting the remainder of the residues resulting from the treatment pursuant to the second stage to and causing them to be commingled in a heat transferring relationship with residues of material previously subjected to treatment administered pursuant to a fourth stage and of a temperature such as to vaporize components of boiling point characteristics materially greater than those vaporized pursuant to the second stage; separating the components vaporized pursuant to the third stage; constantly withdrawing residues from the commingled mass being subjected to treatment pursuant to the third stage and, pursuant to the said fourth stage, heating them to a temperature of a degree such as to vaporize



components of boiling point characteristics materially greater than those vaporized pursuant to the third stage; separating the components vaporized pursuant to the fourth stage; conducting the separated vapors to different levels of a fractionating tower, graded from an uppermost level to receive the vapors of lowest boiling point characteristics to a lowermost level to receive those of highest boiling point characteristics; condensing fractional components of the compound differentiated by materially different boiling point characteristics at different levels of the tower; withdrawing said condensates from the different levels for storage as finished products; and effecting a degree of control over the rate of flow of vapors from one level to another of the tower and of the relative density of vapors at different levels thereof, by separating a part of the condensate drawn from one of the levels of the tower, adding the said separated condensate to material being subjected to the treatment of distillation and thus causing it to be revaporized and returned to the tower with other components being vaporized and conducted to the tower as a result of such treatment.

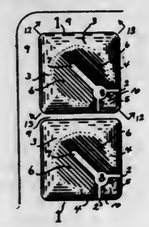
2,260,073
ENCLOSED CIRCUIT BREAKER
Delbert Ellis, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 17, 1938, Serial No. 214,206
28 Claims. (Cl. 200—50)

1. In combination with a circuit interrupter unit having a movable handle of insulating material, a casing in which the interrupter unit is mounted, an openable cover for said casing, an operating member movably mounted in said casing and having means for engaging and moving said interrupter handle, an operating handle mounted on said cover for movement in only a single plane for moving said interrupter handle



to operate the interrupter, and means operable to effect an operative connection between said handles when the cover is closed, said means preventing breaking of said interrupter handle when the cover is slammed shut.

2,260,074
EGG CASE FILLER DIVISION PLATE
Earl E. Holwick, La Crescenta, Calif.
Application June 9, 1938, Serial No. 212,771
4 Claims. (Cl. 217—26.5)

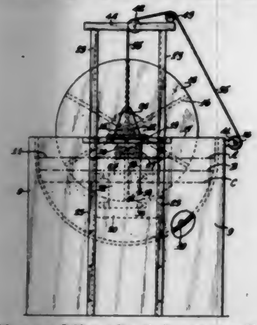


1. In a packing for eggs comprising a sheet having a plurality of equidistantly spaced holders thereon, each of the said holders having in the bottom thereof a Y-shaped drain channel comprising one long and two short branches and consisting of a larger projection and a smaller projection entirely separated from each other at the base by the short branches of said Y-shaped channel, said larger projection having its inner walls sloping inwardly and downwardly to the long branch of the channel, said short drain channels terminating at the edges of the holder, said smaller projection forming with said larger projection an oval shaped recess, and being adapted to prevent movement of an egg in said holder when the cell partition fillers are removed.

2,260,075
ADJUSTABLE PADDLE WHEEL FOR DYEING MACHINES
William H. Jefferies, Moylan, Pa.
Application November 23, 1940, Serial No. 366,839
6 Claims. (Cl. 68—135)

1. In dyeing mechanism a tank adapted to contain a bath, paddle wheel stirring mechanism for the bath, means for lifting the paddle wheel or for allowing it to lower with respect to the tank and for holding the wheel at any height in its path of lifting and lowering and a motor

gearing lifting and lowering with the paddle wheel, constantly connected with the wheel for



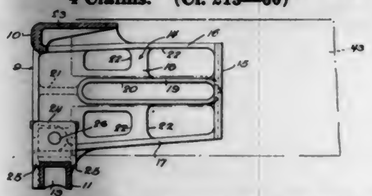
rotating the paddle wheel to cause it to perform the stirring function.

2,260,076

DRAFT ATTACHMENT FOR RAILWAY CARS

George T. Johnson and Harry H. Wolfe, Columbus, Ohio, assignors to The Buckeye Steel Castings Company, Columbus, Ohio

Application March 17, 1938, Serial No. 196,497
4 Claims. (Cl. 213—60)



2. In a draft attachment for railway cars, draft sills having side walls, a casting comprising an annular striker portion arranged at one end of said sills, skeletonized side web portions integral with the striker portion and extending from the striker portion between the walls of said sills, and front draft lugs integral with and arranged at the ends of said web portions, each web portion being provided with a substantially elliptical integral flange extending through one wall of the draft sills and having a portion arranged substantially in lateral alignment with the front draft lugs, each of said flanges having a key slot, each web portion being provided with relatively large openings immediately above and below its flange to facilitate joining the casting to said side walls by welding.

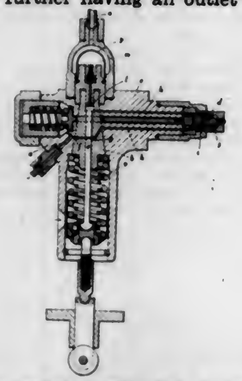
2,260,077

FUEL INJECTION SYSTEM FOR INTERNAL COMBUSTION ENGINES

Arthur Richie Kearney, Westminster, London, England

Application May 3, 1939, Serial No. 271,586
In Great Britain May 17, 1938
2 Claims. (Cl. 299—107.2)

1. Fuel injecting means comprising a casing having a pump including a barrel and an injector including a valve, a plunger slidably mounted in the barrel, said barrel having a compression space for cooperation with one end of the plunger and said plunger having an annular groove spaced from said end thereof, said injector having a fuel supply line leading thereto from said compression space and further having a fuel return line leading therefrom to the peripheral face of the plunger, said return line being in communication with said annular groove when the pump ends its compression stroke, said casing further having a low pressure space adapted to receive fuel from a source of supply and having an outlet passage leading to said compression space, and a non-return valve controlling said outlet passage, said barrel further having an outlet port so located as to register with the annular groove when the latter is in communication with said fuel return line and adapted to return fuel discharged therethrough to said source of supply whereby provision is made for conducting fuel through the injector in a one-way open circuit at low pressure following the compression stroke of the pump to carry off any air trapped in said fuel lines.

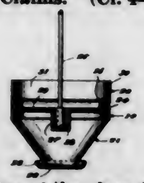


2,260,078

FLUSH TANK VALVE

Yervant H. Kurkjian, Hawthorne, N. J.

Application April 30, 1940, Serial No. 332,603
4 Claims. (Cl. 4—56)



1. A tank valve of the class described comprising a flexible hollow body, said body having a substantially inverted cone-shaped lower portion, the lower portion having an open lower end and an upturned reinforcing flange formed around the open lower end and spaced from the sides of the body to provide a water-receiving channel into which water flowing by the valve will impinge to pull the inverted cone-like portion tightly upon a valve seat.

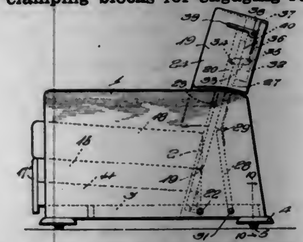
2,260,079

BED CHAIR

Leo Lombardi, Charles H. Spicer, and Christian F. Christensen, Los Angeles, Calif.

Application July 3, 1940, Serial No. 343,872
3 Claims. (Cl. 155—49)

2. In a combined chair and bed, side members constituting chair arms, a seat between the side members, a back for the chair having side posts pivoted at their lower ends to mount the back for swinging movement from raised position rearwardly to a lowered reclining position for cooperating with the seat to form a bed, braces pivoted at their lower ends rearwardly of the back, bars pivoted at their lower ends to upper ends of the braces, said bars bearing against rear faces of the posts and being slidable longitudinally thereof, clamping blocks for engaging rear faces



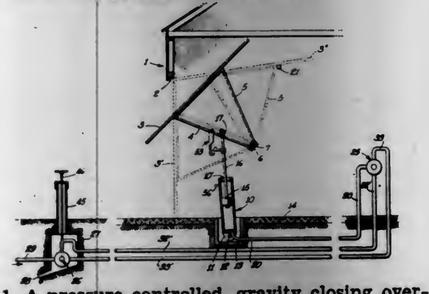
of said bars, links extending across said bars and pivoted to the posts and the blocks and mounting the blocks for movement into and out of position for gripping the bars, resilient means normally holding the blocks in gripping position, and releasing means including cams for engaging the blocks and moving the same to a position out of gripping engagement with the bars.

2,260,080

DOOR OPERATING DEVICE

Edward Lane, Los Angeles, Calif.

Application August 14, 1939, Serial No. 290,116
3 Claims. (Cl. 268—75)



1. A pressure controlled, gravity closing overhead door construction including: a door mounted on horizontal pivots spaced from the plane of the door, a substantially vertical cylinder adapted to rock on an axis parallel to the said pivots, a piston in said cylinder, connecting rod means connecting said piston with the door at a point spaced from the pivots, a stationary locking bar, a latch member pivotally suspended from said door and adapted to engage the locking bar when the door is in lowered position, and means actuated by the movement of the piston and cylinder for unlatching the latch means immediately prior to the raising of the door.

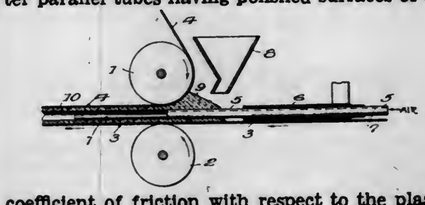
2,260,081

MOLDING OF SHEETS FROM PLASTIC MASSES

Victor Lefebure, London, and John Briscoe Sandford, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

Application March 23, 1939, Serial No. 263,760
In Great Britain March 25, 1938
4 Claims. (Cl. 25—155)

1. A continuous method of making cavitated plaster boards and blocks from plaster compositions which are initially fluent but which are capable of setting within a short time to a relatively rigid state, which comprises continuously molding to a slab-like form a mass of fluent plaster composition between spaced traveling forming surfaces while drawing such molded mass over and in a direct contact with a set of small-diameter parallel tubes having polished surfaces of low



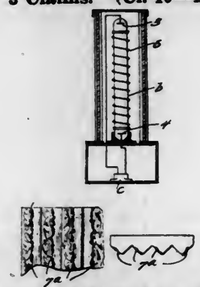
coefficient of friction with respect to the plaster composition, whereby to form cavities in the mass, and admitting a gas into the tubes and thence into the cavities as they leave the ends of the tubes, to equalize pressure inside and outside the cavities and maintaining the rate of travel of said forming surfaces such that the plaster mass leaving the ends of the tubes is sufficiently self-supporting to prevent collapse thereof.

2,260,082

LUMINOUS ADVERTISING DEVICE

John H. McCauley, Hillside, N. J., assignor to Joseph F. Frese, Baltimore, Md., as trustee

Application September 22, 1939, Serial No. 296,139
3 Claims. (Cl. 40—132)



1. In a luminous advertising device, a casing, an animated electrical discharge tube within the casing adapted to cause a flickering light therein, and a glass panel in one side of the casing having a plurality of projections on its inner side, said projections having a plurality of facets produced by chipping the projections.

2,260,083

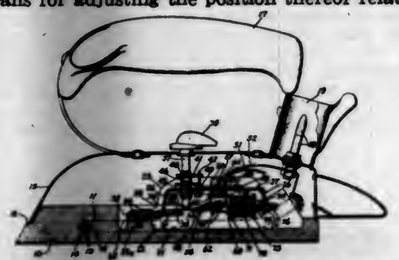
CONTROL DEVICE

Walter R. McDowell, Chicago, and Russell A. Winborne, Oak Park, Ill., assignors to Edison General Electric Appliance Company, Inc., Chicago, Ill., a corporation of New York

Application June 23, 1939, Serial No. 280,796
24 Claims. (Cl. 200—138)

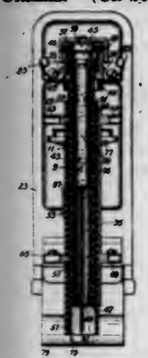
1. In a control device, a resilient operating member, control means actuated by said operating member, thermally actuated means associated with said operating member and arranged to cause movement thereof in response to temperature changes, means forming a fulcrum normally spaced from said operating member for effecting the movement thereof to control the temperature at which said control device is actu-

ated, and means associated with said fulcrum means for adjusting the position thereof relative



to said operating member whereby the temperature at which said control device is actuated may be regulated.

2,260,084
ELECTRICAL CUTOUT
Carl E. Mosley, Overland, Mo., assignor to W. N. Matthews Corporation, St. Louis, Mo., a corporation of Missouri
Application April 4, 1940, Serial No. 327,775
24 Claims. (Cl. 200—118)



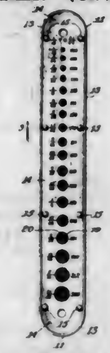
10. A cutout comprising a fuse mechanism having open-circuit and closed-circuit positions to disconnect and connect respectively a loop circuit with a main circuit, a fuse in said fuse mechanism adapted when unfused to prevent movement of said mechanism from closed-circuit position but when fused permitting movement of the mechanism to open-circuit position, a dielectric element serially arranged with said fuse and adapted to break down to effect flow of current through the fuse only upon a predetermined voltage, a switch in the main circuit shunted by the loop circuit and opened when the movable member is in closed-circuit position and vice versa, and a fusible resistance carried by the movable member and shunting the switch as the movable member moves into circuit-closing position, said fusible element melting after the switch opens.

2,260,085
PROCESS FOR THE PREPARATION OF SYNTHETIC ANTIRACHITIC PROVITAMINS AND VITAMINS
Nicholas A. Milas, Belmont, and Robert Heggie, Cambridge, Mass., assignors to Research Corporation, New York, N. Y., a corporation of New York
No Drawing. Application April 6, 1938, Serial No. 200,554
11 Claims. (Cl. 204—159)

1. Method for the production of provitamin D which comprises protecting the hydroxyl group of a 3-hydroxy-5-cholestene against dehydrogenation thereof by substituting the hydrogen atom thereof by a radical of the group consisting of alkyl and acyl radicals and subjecting the protected compound to the action of a hydrogen acceptor of the group consisting of ketones, aldehydes, quinones, sulfur, organic disulfides, azo dyes, azoxy dyes and organic nitro compounds, whereby a hydrogen atom on each of the carbon atoms in the 7 and 8 positions is removed.

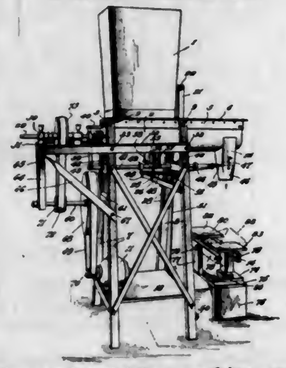
8. Method as defined in claim 1 in which the dehydrogenation is carried out in the presence of actinic light.

2,260,086
DRILL HOLDER
Albert J. Matter, Park Ridge, Ill.
Application September 12, 1940, Serial No. 356,567
2 Claims. (Cl. 211—69)



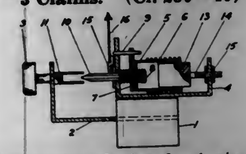
1. A holder comprising a base portion of resilient material having holes to receive the articles to be held in the holder and a plate secured to said base portion and containing holes registering with, and slightly larger than, the holes in said base portion.

2,260,087
SACK FILLING AND WEIGHING MACHINE
Harvey Neill, Fort Valley, Ga., assignor to A. O. Bray Company, Griffin, Ga.
Application January 16, 1939, Serial No. 251,228
1 Claim. (Cl. 249—61)



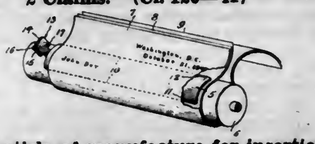
A filling and weighing machine comprising a support, a trough carried by said support and projecting forwardly therefrom, a spout for said trough at the outer front end thereof, a hopper over the portion of the trough carried by said support, a scale in front of said support for holding a receptacle under said spout, a shaft extending longitudinally in said trough and rotatably mounted with its rear portion projecting from the trough, a conveyor carried by said shaft for moving material forwardly through the trough and delivering the same to said spout, a drive shaft rotatably mounted in alinement with said shaft rearwardly thereof, a clutch having a stationary member and a movable member shiftable into position to engage the stationary clutch member and cause turning of the conveyor shaft with the drive shaft, a bracket extending rearwardly from said trough, a lever pivoted at one end to said bracket, an arm extending from said lever end engaging the movable clutch member, a gate for said spout slidable horizontally into and out of closing relation to the spout, a rod slidably carried by said support under said trough and extending longitudinally of the trough with its front end secured to said gate and its rear end connected with said lever, a spring urging said rod forwardly to move the gate to a closed position and shift the movable clutch member away from the stationary clutch member, a tooth carried by said rod, manually actuated means carried by said support and connected with said rod for shifting the rod rearwardly, a latch lever pivotally mounted and extending transversely across said rod in position to engage said tooth and secure the rod in a retracted position with the gate open and the movable clutch member in engagement with the stationary clutch member to transmit rotary motion from the drive shaft to the conveyor shaft, a solenoid carried by said support over said latch lever, a core for said solenoid connected with said latch lever for drawing the latch lever to a releasing position when the solenoid is energized, and a circuit for said solenoid including a stationary switch member and a movable switch member for engaging the stationary switch member and closing the circuit through the solenoid when a portion of the scale is moved by the weight of material delivered into the receptacle carried by the scale.

2,260,088
RADIO TUNING ARRANGEMENT
Wladimir J. Polydoroff, Wilmette, Ill.
Application June 19, 1939, Serial No. 279,894
In Great Britain July 12, 1938
3 Claims. (Cl. 250—40)



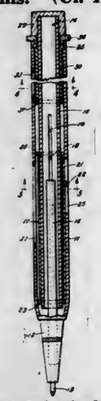
1. A radio tuning device for instantaneous selection and presetting of the desired stations including a plurality of adjustable circuits each tunable over a limited sub-range of a normal frequency spectrum, the circuit constants being so chosen as to cover said spectrum in steps, tuning means to vary the inductance of the circuits, electrical switching means to bring into operation the circuits corresponding to the desired range, a common operating member for said switching and said tuning means, said member being normally disconnected from the tuning means, and means responsive to a switching operation of said member to interconnect the latter to said tuning means.

2,260,089
TYPIST'S ERASURE GUARD
Edward R. Pierce, Washington, D. C.
Application October 25, 1940, Serial No. 362,857
2 Claims. (Cl. 120—41)



1. An article of manufacture for insertion between a sheet being typed and an immediately underlying sheet of carbon paper while erasing on the first mentioned sheet, said article comprising a relatively long and narrow substantially rigid plate, both longitudinal edges of which are unencumbered, said plate being longitudinally straight and transversely curved on an arc of a circle, said curvature corresponding to the peripheral curvature of an ordinary typewriter platen; the length of said plate being approximately equivalent to the width of a conventional sheet of typewriter paper and the width of said plate being sufficient to underlie and project beyond a plurality of adjacent lines of double-spaced typing; the thickness of said plate being sufficient to prevent localized deformation thereof under the pressure of an eraser or the pressure of the fingers used to hold the sheet upon the plate and the plate upon the underlying carbon paper, carbon copy and platen; one end of said transversely curved plate being provided with an upstanding transverse finger plate which occupies a position at one vertical edge of the paper when said transversely curved plate is in use, in which position said finger plate has no tendency to cause creasing of the work while erasing.

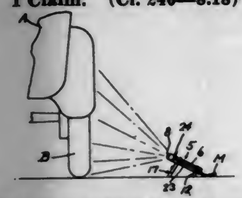
2,260,090
WRITING IMPLEMENT AND CALENDAR
Karl T. Postel, Flushing, N. Y.
Application January 22, 1940, Serial No. 314,990
3 Claims. (Cl. 40—108)



1. A mechanical date indicator for a writing implement having a barrel with an open end therein, comprising a rotatable tube disposed centrally within the barrel and projecting from the open end, a longitudinally movable calendar indicia cylinder encircling the tube, means for precluding rotation of said cylinder relative to the tube, a carriage member engaging the ends of said cylinder, a finger-piece on the carriage member extending through the barrel, a longi-

tudinally stationary calendar indicia cylinder on the tube having a knob formed thereon disposed outside the open end of the barrel, an annular groove formed on the inside wall of the barrel, a shoulder on the latter cylinder freely held in the groove, a washer rigidly fastened to the tube disposed between the cylinders and in engagement with the longitudinally stationary cylinder, a friction cap for the projecting end of the tube, windows formed through the barrel in alignment with the indicia bearing cylinders, and stationary calibrations adjacent the window in alignment with the longitudinally movable cylinder to which the indicia on said cylinder may be intelligently referred.

2,260,091
LIGHT SUPPORT
Michael Paccadolmi, Ridgefield, Conn.
Application June 1, 1940, Serial No. 338,437
1 Claim. (Cl. 240—8.18)



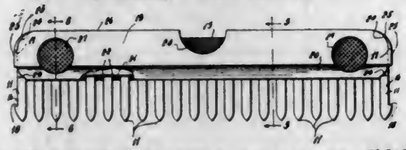
A trouble light comprising a hollow casing having diametrically disposed slots in its periphery extending from one end of the casing adjacent its opposite end, annular bands surrounding the casing, pins carried by said bands and slidably engaged in the aforesaid slots, legs pivotally secured to the annular bands by said pins, an electric bulb removably secured within the casing at one end thereof, a lens removably secured to that end of the casing containing the electric bulb, a cap removably secured to that end of the casing opposite the end thereof having the lens and closing the open end of the aforesaid slots therein, and an electric cable connected to the bulb with its free end extending through an aperture in the cap.

2,260,092
METHOD OF CREATING CARTOON EFFECTS
Leonard B. Pickley, Los Angeles, Calif., assignor to Walt Disney Productions, Los Angeles, Calif., a corporation of California
Application December 26, 1939, Serial No. 310,929
2 Claims. (Cl. 88—16)



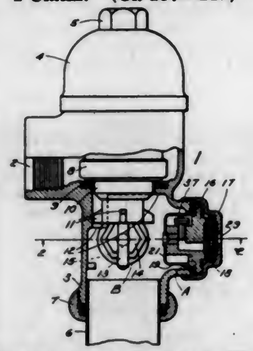
1. A method of producing shadow effects and the like in animated cartoons, which comprises: superimposing a sheet of transparent material carrying a uniform color-bearing, light transmitting film thereon over a pictorial representation to be photographed, applying a substantially transparent protective coating to desired portions only of said sheet to cover said color-bearing film, said protective coating being applied in accordance with the pictorial representations therebelow, then removing the unprotected color-bearing film while retaining the protected remaining color-bearing film, superimposing the treated sheet over the pictorial representation, and photographing the treated sheet and pictorial representation while in superimposed relation.

2,260,093
POCKET COMB
Omer J. Rainville, South Attleboro, Mass.
Application April 2, 1941, Serial No. 386,533
6 Claims. (Cl. 132—15)



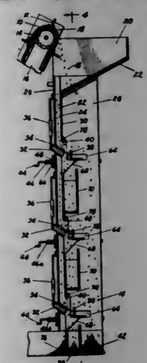
1. In a comb and case, a comb, a case slidable transversely of the comb in the plane thereof for exposing and concealing the teeth of the comb, means carried by the ends of the case and the ends of the comb for limiting movements of the case on the comb and cooperative means on the case and comb independent of the aforesaid means for holding the case in its adjusted position on the comb.

2,260,094
FLUSH VALVE
William E. Sloan, River Forest, and Irving H. Russell, Oak Park, Ill., assignors to Sloan Valve Company, Chicago, Ill., a corporation of Illinois
Application February 28, 1938, Serial No. 192,944
1 Claim. (Cl. 137—111)



In a valve structure for controlling the discharge of liquids from a source under pressure including a casing having a valve seat therein and a valve movable toward and away from said seat, there being a guide barrel positioned around the valve seat in the casing and downstream of the seat, a guiding part fixed to the valve and extending within the guide barrel to guide the valve in its movement toward and away from the valve seat, the guide barrel opening into a discharge chamber having an outlet remote from the valve seat, there being an air opening into the side of the discharge chamber to admit air into the discharge chamber when the velocity of the water passing between the valve and its seat is great enough to cause a reduced pressure within the discharge chamber and the consequent danger of a noisy flow in the said discharge chamber, there being an opening through the side of said barrel from the discharge chamber to allow the admitted air to pass along the side of the discharge chamber in a convection current up to the vicinity of the valve seat, whereby the generation of noise due to the high velocity flow is substantially prevented.

2,260,095
APPARATUS FOR GRADING STONE
Marvin C. Stevens, Oxford, Mich.
Application November 30, 1940, Serial No. 367,948
4 Claims. (Cl. 209—12)



1. Rock grading mechanism comprising, in combination, a grading tower provided with a vertical passageway therethrough having a width which exceeds by several times the depth from its front side wall to its rear side wall, means for delivering rock to the upper end of said passageway to fall therethrough, a plurality of striker plates spaced apart at vertical intervals along said passageway, each striker plate projecting downwardly at an angle across the passageway from one side wall to the opposite side wall, said opposite side wall provided with an opening throughout its width opposite each striker plate and into which the striker plate projects, said opening extending spaced above and below the striker plate providing a passageway for rock therethrough, a barrier plate disposed outwardly beyond each opening and spaced from the outer edge of the striker plate, a screen extending from each barrier plate downwardly and angularly to the side wall along the bottom of the opening adapted to pass fine material therethrough and to direct coarse material thereover back into the passageway below the striker plate, and means separating the fine material passing through the screen and the material passed over the screens from that which rebounds over the several striker plates.

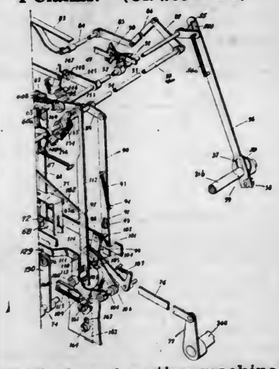
2,260,096
POULTRY NEST
Daniel A. Smith, Narcoossee, Fla.
Application September 13, 1940, Serial No. 356,690
7 Claims. (Cl. 119—48)

1. Poultry nest unit comprising a box constituting an egg colecting chamber, a nest hingedly mounted in said box, on a horizontal axis remote from the front of said box, and supported slightly inclined downwardly to the rear, said hinged nest comprising a substantially flat open mesh laying surface and carrying a forwardly slidable removable dropping board beneath said laying surface and spaced therefrom, said dropping board forming a protective lid for said collecting chamber, said nest and dropping board being swingable upwardly to give access to said collecting chamber, the rear



edge of said laying surface terminating at a distance from the rear wall of said box forming an egg passage to said collecting chamber, and forwardly sloping means in said collecting chamber beneath said egg passage to guide an egg dropped from said nest through said passage upon said means, forwardly into said collecting chamber.

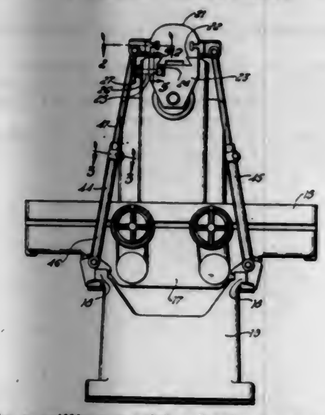
2,260,097
RECORD CARD CONTROLLED STATISTICAL MACHINE
Arthur Thomas, Wallington, and Norman Geoffrey Holden, Carshalton, England, assignors to Powers Accounting Machines Limited, London, England, a company of Great Britain
Application October 7, 1939, Serial No. 298,524
In Great Britain October 7, 1938
4 Claims. (Cl. 209—110)



1. A statistical card sorting machine comprising in combination a first card magazine, a second card magazine and a signal card magazine, a first card sensing means, a second card sensing means, a first card feeding mechanism for feeding cards seriatim from said first magazine to said first sensing means, a second card feeding mechanism for feeding cards seriatim from said second magazine to said second sensing means, a first card arresting means for arresting a card after sensing by said first sensing means, a second card arresting means for arresting a card after sensing by said second sensing means, a first card receiver, a second card receiver, means for feeding a card from the signal card magazine to said first receiver, means for conveying cards from said first card sensing mechanism to either of said receivers selectively, means for conveying all cards from said second sensing means to said second receiver, means for comparing the sensings of two contemporaneously sensed cards; means operative under the control of the com-

paring means to render the first card arresting means effective and the first card feeding means ineffective when agreement occurs; means controlled by the comparing means to render the second card arresting means and the signal card feeding means effective, the second card feeding means ineffective and the first card conveying means effective to convey a card from the first sensing means to the second receiver when disagreement immediately follows agreement; and means controlled by the comparing means to render the second card arresting means effective, the second card feeding means ineffective and the first card conveying means effective to convey a card to the first receiver when disagreement immediately follows disagreement.

2,260,098
ARBOR SUPPORT AND HARNESS STRUCTURE
Louis H. Blood, Covington, Ky., assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio
Application September 19, 1940, Serial No. 357,452
7 Claims. (Cl. 90—20.5)



1. In a milling machine having a support and an overarm slidably mounted on said support, of means for bracing said overarm including a pair of brace members, means connecting said brace members to opposite sides respectively of the overarm, additional means for connecting the opposite ends of said braces to said support, and vibration dampening means carried by said brace members for preventing the transmission of vibrations from the overarm to said base.

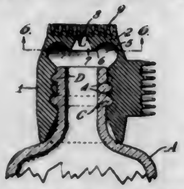
2,260,099
VAN BODY END CLOSURE
Albert J. Chenoweth, Elkins, W. Va.
Application August 8, 1940, Serial No. 351,793
7 Claims. (Cl. 296—57)

1. A tail gate arrangement for vehicles comprising a relatively stationary frame member, a channel iron hinged at its lower end to said frame member for swinging motion about a horizontal axis, a transversely disposed eccentric shaft journalled for rotation through the side walls of said channel iron at the upper end thereof, a rigidly extensible telescoping brace comprising an inner tubular member pivotally secured to said shaft, and an outer tubular member pivotally attached to said frame member and telescopically receiving the end portion of said inner tubular member, said brace being received between the side flanges of said channel iron, in combination with a latch disposed for transverse movement through the side wall of said inner member into locking engagement with said outer member and formed with a guide slot extending diagonally therethrough, a piston mounted for axial reciprocation in said inner tubular member,



a translation cam carried by said piston and disposed through the guide slot of said latch to cause transverse movement of said latch during reciprocation of said piston, and means for reciprocating said piston comprising an eccentric fixedly mounted on said eccentric shaft, a pitman having one end journalled about said eccentric and the other end pivotally connected to said piston.

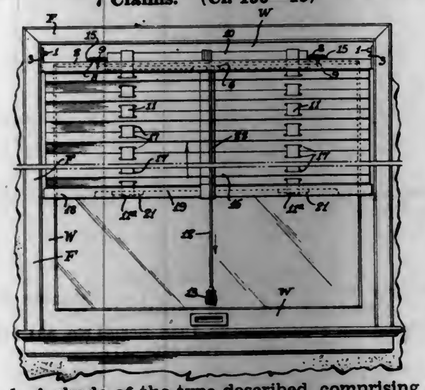
2,260,100
FOUNTAIN APPLICATOR
Epily C. Deitrich and Dallas V. Lisle, Pittsburgh, Pa.; said Lisle assignor to said Deitrich
Application May 27, 1940, Serial No. 337,514
2 Claims. (Cl. 15—133)



1. A liquid applicator for attachment to a bottle for dispensing and applying the contents thereof and comprising a hollow body including a skirt having an open lower end portion tapered inwardly on its inner surface to facilitate the application of the skirt to the neck of the bottle, the remaining portion of the skirt being relatively thick, ribs formed on the interior surface of the thickened portion for detachably securing the skirt to the neck to provide a leak proof connection, a top wall for the body and having an outlet opening tapering outwardly toward and extending through the upper surface thereof, teats formed on and rising from said upper surface to provide a brush like dauber, said body having a substantially concaved chamber therein between the top wall and the skirt, said chamber having a relatively thin annular elastic wall connecting the top wall to the skirt for flexing movement of the top wall, a diaphragm valve including a projection formed on and depending from the top wall and having a normally closed

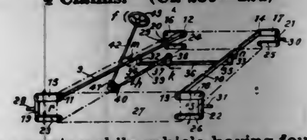
slit therein converging toward said upper surface, and said slit intersecting the opening for controlling the passage of liquid therethrough and being movable to open position when pressure is applied to the dauber.

2,260,101
MODERNISTIC SHADE
Joseph De Falco, Vineland, N. J.
Application February 21, 1941, Serial No. 380,060
7 Claims. (Cl. 156—16)



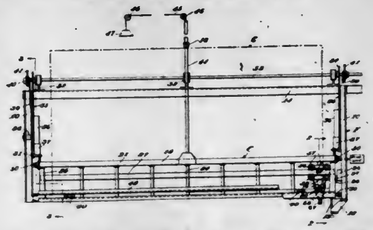
1. A shade of the type described, comprising a plaited shade having a series of slots in each of the folds, tapes loosely passing through said slots, a roller to which the upper ends of the tapes are secured, the tapes being windable on the roller, a saddle piece on which said roller is rotatably supported, means for mounting the saddle piece of a window frame, a pull cord secured to the roller and windable on the roller in a direction reverse to that of the tapes, and a bottom piece to which the lower end of the plaited shade is attached and to which the tapes are operatively engaged, whereby a pull on the pull cord will operate the roller and wind the tapes and raise the shade.

2,260,102
AUTOMOBILE VEHICLE
Paul Léon Fréret, Pitres, Eure, France
Application November 27, 1937, Serial No. 176,832
In France May 15, 1937
4 Claims. (Cl. 280—124)



1. In an automobile vehicle having four wheels, four hinged parallelogram systems connecting the chassis to the wheels, a transverse front spring forming the lower side of the front parallelogram systems, a bracket fixed on said spring, two single-acting piston-cylinder systems secured to the vehicle chassis on either side of said bracket and of which the movable member is pivoted on the latter, a transverse rear spring forming the outer side of the rear parallelogram systems, a bracket fixed on said rear spring, two single-acting piston-cylinder systems secured to the vehicle chassis and arranged on either side of said rear spring bracket and pivoted on the latter, a pipe supplying fluid to the front and rear piston-cylinder systems located on the same side of the brackets, a pipe supplying fluid to the piston-cylinder systems located on the other side of said rear spring bracket, a piston-cylinder system supplied by a branch from the first pipe, a piston-cylinder system supplied by a branch from the second pipe, a common lever actuated by the movable members of these latter piston-cylinder systems, an intermediate shaft on which said lever is keyed, a screw thread on said shaft, a tapped lever in engagement with the threaded portion of said shaft, means for rotating this latter lever in proportion to the position of the steering control member of the vehicle, a pump for placing said fluid under pressure, a distributor interposed between the pump and the fluid pipes and adapted to selectively direct said fluid into either of the pipes, and an operating member for said distributor, actuated by the last mentioned lever.

2,260,103
AUTOMATIC CUTOFF MEANS FOR FLAT DRAWN SHEET GLASS
Leslie A. Hinkle, Clarksburg, W. Va., assignor to Rolland Glass Company, Clarksburg, W. Va., a corporation of West Virginia
Application June 19, 1940, Serial No. 341,366
15 Claims. (Cl. 33—32)

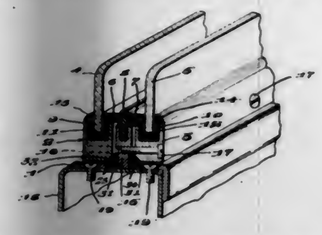


1. An automatic glass sheet cut-off machine comprising a fixed frame, a carriage supported by the frame for vertical movement relative thereto, a cutter supported by the carriage for horizontal movement thereon, a back-up bar pivotally supported by the frame, an adjustable stop carried by the carriage and engageable with the upper edge of a vertically movable sheet of glass from an annealing lehr to impart corresponding vertical movement to the carriage, means operative upon vertical movement of the carriage to move said back-up bar into firm engagement with the sheet of glass, means for operating the cutter, and means operative upon vertical movement of the carriage to set said last named means into operation.

2,260,104
DOUBLE WINDOW CONSTRUCTION
Cloyd S. Henderson, Syracuse, N. Y., assignor to The O. M. Edwards Company, Syracuse, N. Y., a corporation of New York
Application January 26, 1939, Serial No. 252,945
1 Claim. (Cl. 189—64)

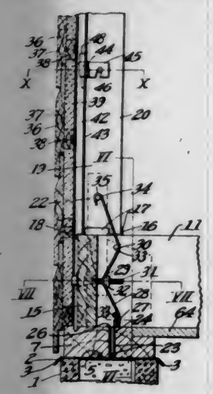
A double window construction comprising a window frame, a pair of sash mounted in the frame and provided with means for receiving the margins of glass panels, the frame being formed with a rib extending between the sash, spacing means of compressible resilient material between the margins of the glass panels and including sections carried by each sash and a third section carried by said rib and projecting beyond the edge thereof between the former sections, and means for clamping the sash toward each

other and compressing the spacer sections carried by the sash against the margins of the glass



panels and against the third section, the clamping means for the sash coacting with said rib.

2,260,105
FRAME CONSTRUCTION FOR BUILDINGS
Henry Hasenburger, Newark, N. J., and Harvey Wiley Corbett, New York, N. Y., assignors to Prebilt Housing Corporation, New York, N. Y., a corporation of Ohio
Application April 11, 1940, Serial No. 329,144
16 Claims. (Cl. 20—1)



1. Framework for building construction comprising horizontally disposed joist members, perpendicular stud members abutting the joist members at their ends, interfitting tenon and socket means formed with the adjoining portions of said members, spaced pins projecting laterally from the side surfaces of said members, flexible metallic straps engaging with said pins, and means connected with said straps between said pins for placing said straps under tension when engaged with said pins to maintain said members against relative separation.

2,260,106
FLY SWATTER
Joseph N. Miller, McHenry, Ill.
Application January 8, 1941, Serial No. 373,635
3 Claims. (Cl. 43—137)

1. In an insect beater, the combination of a generally rectangularly shaped blade, a handle therefor constructed of a continuous piece of wire having its connected end formed with a pair of diverging leg portions adapted to extend upon opposite sides of the blade, said legs having parallel and overlying end portions, and an adhesive patch on each side of the blade and overlying



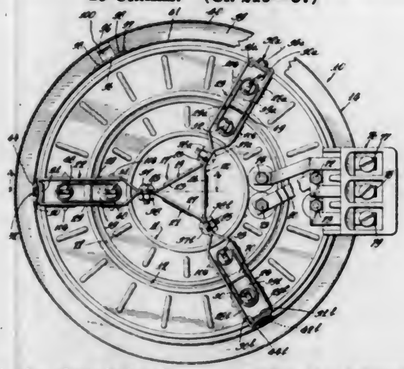
said end portions for connecting the legs of the handle to the blade.

2,260,107
ELECTRIC HEATER
Francis W. Perry, Dormont, Pa., assignor to Edwin L. Wiegand, Pittsburgh, Pa.
Application September 22, 1938, Serial No. 231,185
20 Claims. (Cl. 219—37)



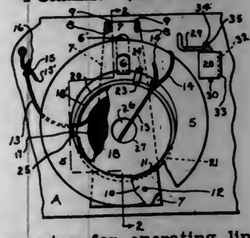
1. Electric heating apparatus, comprising: a plurality of electrical heating elements; means mounting said heating elements for relative movement; and means so constructed and arranged that a force causing movement of one of said heating elements will positively cause movement of another of said elements.

2,260,108
ELECTRIC HEATER
Edwin L. Wiegand and Joseph McOrily, Pittsburgh, Pa.; said McOrily assignor to said Wiegand
Application October 27, 1938, Serial No. 237,238
19 Claims. (Cl. 219—37)



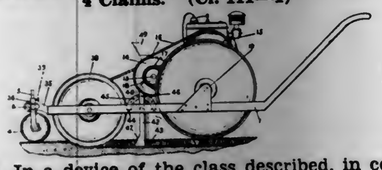
1. An electric heater, comprising: an electrical heating element defining a general plane; sheet metal supporting means comprising a plurality of substantially identical sheet metal stampings forming a plurality of arms each arm including spaced sheet metal parts defining planes transverse to said general plane, said supporting means comprising also a portion disposed transversely of said spaced parts; means mounting said portion for swinging movement in a plane transverse to said general plane; and means whereby said portion supports said heating element.

2,260,109
APPARATUS FOR OPERATING LIFESAVING BUOYS
Hans Amdal, Seattle, Wash.
Application February 19, 1940, Serial No. 321,724
4 Claims. (Cl. 9—17)



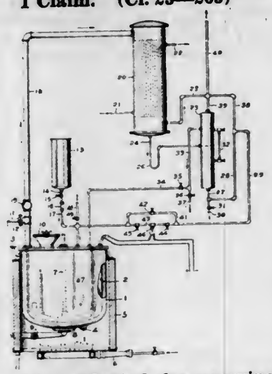
1. An apparatus for operating lines for life saving buoys, comprising, a supporting frame for removal from place to place on a ship, a bracket on the frame for supporting the buoy, a block on the frame for spacing the buoy therefrom to facilitate the grasping of the buoy, said block provided with a groove for supporting a housing thereon, a housing for storing the line, a flange on the rim of the housing for adjustably retaining the housing on the groove and frame, said housing being provided with a doorway through the side thereof for the entrance of the line and further provided with a circular aperture through the top thereof for the exit of the line from the housing and also to guide a winding drum therein, a winding drum adapted to slide and rotate within such aperture and housing for winding and coiling the line within the housing, and adjustably disposed to be withdrawn from the coils to facilitate the discharge of the line through the aperture from the inner coils respectively outward within the drum and said drum provided with a channel longitudinally therethrough for temporarily retaining one end of the line when the body thereof is to be coiled within the housing and for withdrawing such end from the housing and coil when the line has been coiled.

2,260,110
DEVICE FOR LAWN DEVELOPMENT
Sophus T. Blohm, Portland, Oreg.
Application June 5, 1939, Serial No. 277,399
4 Claims. (Cl. 111—1)



2. In a device of the class described, in combination, a power driven wheel supported vehicle, means for predetermining the distance of the under side of the front end of the vehicle from the ground, a plurality of hollow ground disks mounted upon a common shaft, means for power rotating the shaft, means for predetermining the spaced relation to be maintained between the disks, a shank rearwardly disposed relative to each of the disks, with the front of the base end of each of the shanks being sharpened, a subsoiler blade disposed at the bottom end of each of the shanks, means for inclining each of the shanks to the vertical and for inclining each of the subsoiler blades to the horizontal, and means carried by the vehicle for depositing lawn feeder material at the location of the cutter blades and below the top surface of the lawn.

2,260,111
APPARATUS FOR CONDUCTING CHEMICAL REACTIONS AT CONSTANT TEMPERATURE
William F. Caldwell, Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application February 8, 1939, Serial No. 255,178
1 Claim. (Cl. 23—263)

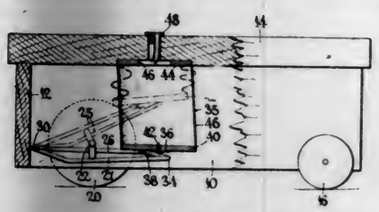


An apparatus adapted for carrying out reactions at a substantially constant temperature comprising a reaction chamber, means for heating said reaction chamber, means through which materials may be introduced into and withdrawn from the reaction chamber, means connected to the reaction chamber for removing and condensing volatile matter, means for separating the resulting condensate into a plurality of immiscible fractions according to specific gravity, means for conveying condensed volatile matter from the condenser to the separator, a conduit for returning at least one fraction to the reaction chamber, which conduit is connected with the separator and said chamber, a needle valve in said conduit for manually regulating the continuous flow of a portion of said fraction, and a by-pass conduit around said valve containing a valve which is automatically controlled by a thermo-responsive element in the reaction chamber so that an additional portion of said fraction flows into the reaction chamber when the temperature therein rises above a predetermined point, thereby maintaining the temperature in the reaction chamber substantially constant.

2,260,112
ACTION TOY
Herman G. Fisher, East Aurora, N. Y.
Application November 9, 1940, Serial No. 365,078
5 Claims. (Cl. 46—111)

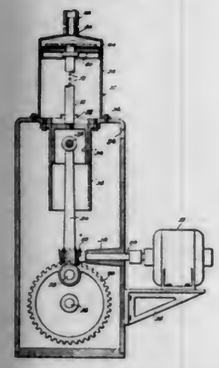
1. In an action toy, a bellows having opposed

relatively movable portions, a lever operatively associated with one of said portions for moving the latter relative to the other of said portions, said lever having spaced abutment portions for



bearing against said movable portion and a bearing portion disposed intermediately of said abutment portions and pivotally connected to said movable member.

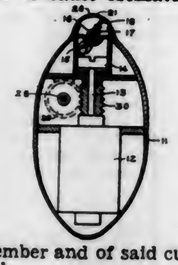
2,260,113
VACUUM PUMP CONTROL
Orley Ray Frost, Chicago, Ill.
Application February 19, 1940, Serial No. 319,612
2 Claims. (Cl. 31—73)



1. A pump comprising, a casing having a chamber, a piston movably mounted in said casing for a suction stroke, said piston having a position intermediate the two extreme positions of said stroke whereat said piston is operable for establishing in said chamber a suction of predetermined sub-atmospheric pressure, and means for substantially maintaining said predetermined suction during the remainder of said stroke, said means comprising air inlet means formed in the wall of said casing at substantially the level of said intermediate piston position and extending therebelow for counteracting the continued pressure reducing effect of the movement of said piston from said intermediate piston position to the end of said suction stroke.

2,260,114
ELECTRIC SHAVER
John Hays Hammond, Jr., Gloucester, Mass.
Application July 6, 1938, Serial No. 217,643
7 Claims. (Cl. 30—43)

1. In an electric shaver, a comb member having apertures through which the hairs are adapted to extend, an oscillating cutter cooperating therewith, an electric motor, and means actuated by said motor to cause oscillatory movement of



said comb member and of said cutter at different rates of speed.

2,260,115
RETAINER STRIP
Edward R. Hathaway, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application March 6, 1939, Serial No. 260,070
3 Claims. (Cl. 296—135)

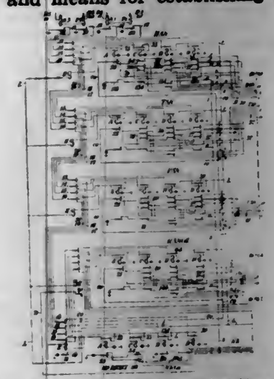


1. A headlining retainer for a vehicle body having a side roof rail, comprising an easily bendable metal strip having four angularly related substantially straight portions including an upper attaching portion adapted to be secured to the rail, an outwardly and downwardly inclined portion, an angularly related generally vertically extending portion, and an inwardly and upwardly extending flange portion provided along its longitudinal edge with widely spaced teeth, the included angle between said flange and vertically extending portion being less than a right angle to form a line along which the flange is easily bendable, and said strip being permanently bendable at the line of juncture between adjacent portions, whereby to move the vertical portion permanently in close proximity to the rail and to draw the material tightly around the lower edge of the retainer when the strip is driven inwardly by a blow from an implement to clamp the material to the rail.

2,260,116
ELECTRICAL INDICATING SYSTEM
Raymond M. Hicks, Larchmont, and Everett R. Leroy, New York, N. Y., assignors to The Teleregister Corporation, New York, N. Y., a corporation of Delaware
Application May 24, 1930, Serial No. 455,217
8 Claims. (Cl. 177—353)

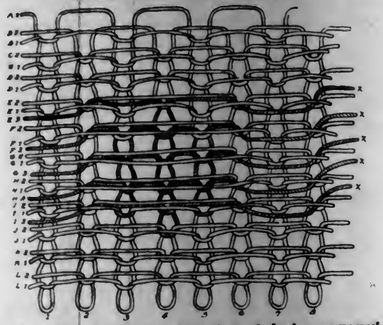
7. In a receiving mechanism, the combination of a group of relays, a holding line for said relays, energizing lines adapted to be connected to the leads of said relays, transmission channels of a smaller number than the number of relays in the group, means responsive to positive and negative impulses transmitted over said channels for selectively energizing different combinations of said relays, a switching relay adapted to disconnect the energizing lines from said leads, means for establishing a holding circuit for certain of

said combinations of relays directly to said holding line, and means for establishing a holding



circuit for other of said combinations of relays across the coil of the switching relay to said holding line.

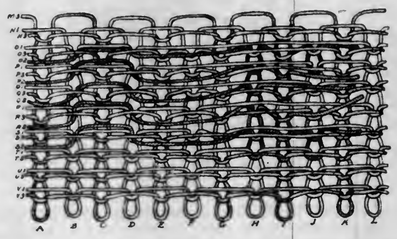
2,260,117
ART OF ORNAMENTED KNITTED WEARING APPAREL MANUFACTURE
Urban T. Marr, Appleton, Wis., assignor to Zwicker Knitting Mills, Appleton, Wis., a corporation of Wisconsin
Application October 24, 1938, Serial No. 236,689
13 Claims. (Cl. 66—201)



8. A plain knitted tubular fabric comprising two body yarns, one of which is knit in alternate wales and floated across intervening wales, and the other of which is knit in said intervening wales and floated across said alternate wales, said fabric having a design area in which a third yarn only is knit in one or more wales and courses, both said body yarns being floated behind said third yarn at said design area, said third yarn being floated coursewise at each side of said design area, floats of said third yarn being held by floats of one of said body yarns adjacent said design area on both sides thereof in each course in which said third yarn is knit.

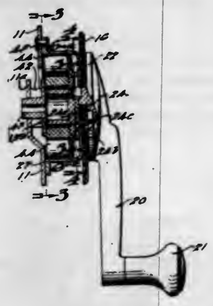
2,260,118
ART OF ORNAMENTED KNITTED WEARING APPAREL MANUFACTURE
Urban T. Marr, Appleton, Wis., assignor to Zwicker Knitting Mills, Appleton, Wis., a corporation of Wisconsin
Application December 15, 1939, Serial No. 309,341
5 Claims. (Cl. 66—201)

1. A machine knitted article, comprising two body strands knit in courses with sections of certain courses of different formation, sections of certain courses having one of the body strands knitted in alternate wales and floated across intervening wales and having the other of said body strands floated across the alternate wales and knitted in the intervening wales, other sections of said courses having one of the body strands knitted in a plurality of contiguous wales and thereafter floated over a plurality of con-



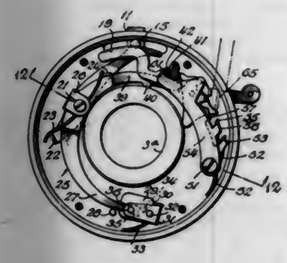
tiguous wales with the other of said body strands being floated across the contiguous wales in which the first body strand is knitted, the last sections of the courses being formed by floating both of said body strands over certain wales and introducing a third strand, said third strand being knitted in the wales and stitches in which both of the body strands are floated and being held laterally of said sections by the floats of one of the body strands only in the courses in which said third strand is knitted.

2,260,119
CLUTCH ASSEMBLY
William Marshall, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application June 28, 1940, Serial No. 342,865
17 Claims. (Cl. 192—8)



1. In a clutch assembly for a window regulator having a crank handle provided with an integral exteriorly splined hub, a casing having an inner annular wall, a driving ring interiorly splined for telescopic connection to said hub, an annular cage rotative within said casing wall and having a marginal flange formed with spaced slots, a driving connection between said ring and cage, a driven block having a lost motion coupling connection with said cage and provided with outer angularly related flat sides, roller elements anchored in said slots and interposed between said flat sides and said casing wall, and a pinion coupled to said driven block.

2,260,120
CAMERA SHUTTER MECHANISM
Bruno Mayer, New York, N. Y.
Application April 3, 1939, Serial No. 265,674
8 Claims. (Cl. 95—62)



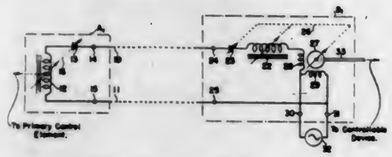
1. A camera shutter comprising an indicator, a lever controlled by said indicator, an arcuately shaped tripping lever having an axis of rotation common with the axis of rotation of said controlled lever, a spring connected to said levers and normally biasing said controlled lever towards said indicator and said tripping lever away from said indicator, release means coacting with one end of said tripping lever and shutter control mechanism connected to the other end of said tripping lever the end of said tripping lever adjacent to said release means carrying a pivoted pawl, a stop on such end engageable by said pawl and a spring normally maintaining said pawl in contact with said stop, and said release means including a tooth having a position of rest and adapted to maintain the normal relation of said pawl and stop and through the latter to pivot said tripping lever against the tension of its associated spring when moved from its at rest position and to pivot said pawl away from said stop when returning to its position of rest.

2,260,121
WIRING DEVICE
James B. Miller, Webster Groves, Mo., assignor to Mines Equipment Company, St. Louis, Mo., a corporation of Missouri
Application November 27, 1939, Serial No. 306,217
3 Claims. (Cl. 173—324)



1. An electrical connector of the character described, comprising, a cable having a flexible conductor, a contact element connected to said conductor, a stripped portion of said conductor being looped entirely around said element at a rounded portion thereof and connected thereto by a fixed connection so as to leave a free portion of the loop supported interiorly by said rounded portion of said element, and means providing a flexible housing for said connected portion of said conductor and said element at said connection.

2,260,122
ELECTRICAL CONTROL SYSTEM
David W. Moore, Jr., New York, N. Y., assignor to Fairchild Aviation Corporation, a corporation of New York
Application January 3, 1941, Serial No. 372,994
15 Claims. (Cl. 172—239)



1. An electrical control system adapted to control a secondary controllable device comprising, a control station including an electrical apparatus subject to variations in a predetermined electrical condition thereof, a controlled station including adjustable reactance means, a control-signal translating path between said stations, one of said stations having periodic-current supply terminals, additional reactance means connected in circuit with said adjustable reactance means to resonate therewith, connections from said electrical apparatus and from said reactance means to said control-signal translating path effective to cause said reactance means to depart from resonance in accordance with variations in said electrical condition of said apparatus, and a normally balanced phase-responsive device at said controlled station connected to be energized from said supply terminals and unbalanced in response to departures from resonance of said reactance means, due to variations in said electrical condition of said apparatus, for adjusting said reactance means directly and independently of conditions at said control station to restore its balance and for actuating said secondary controllable device.

2,260,123
PROCESS FOR THE MANUFACTURE OF WASHING MATERIALS
Max Nassau, New York, N. Y.
No Drawing. Application April 26, 1939, Serial No. 270,153
2 Claims. (Cl. 252—135)

1. A process of making washing materials comprising thoroughly mixing a condensation product of lysalbinic acid with palmitic acid with equal amounts by weight of anhydrous sodium pyrophosphate, adding an aqueous solution of sulphuric acid until the reaction mixture shows a pH of substantially 6, adding an aqueous solution of a mixture of cellulose ethers until a kneadable mass is obtained, shaping, and drying the thus obtained mixture.

2,260,124
ASSIST CORD ASSEMBLY
Alvin W. Prance, Pleasant Ridge, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application May 16, 1938, Serial No. 208,209
8 Claims. (Cl. 105—354)

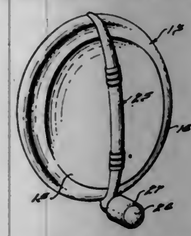
1. An assist cord assembly comprising an outer casing, an inner retainer member in adjacent relationship, a flexible assist cord having its two ends confined by said retainer member and an extension of one end confined between said member and casing, said extension continuing therebeyond to provide together with an extension of

the other end a looped portion of said cord, and a common means concealed by said extension for



securing the retainer member and two ends to a support.

2,260,125
DOOR HANDLE ASSEMBLY
Alvin W. Prance, Huntington Woods, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application December 5, 1938, Serial No. 243,917
4 Claims. (Cl. 292—347)

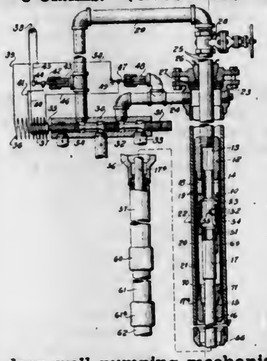


1. A rotatable escutcheon and handle assembly comprising a relatively large disk-like plate having a recessed front face and a convex back face, and an arched cross bar attached at spaced points to said front face to span the recess therein, said cross bar having an offset projection at one of its ends providing a fingerpiece for said assembly.

2,260,126
BUTYL ALCOHOL FERMENTATION PROCESS
Noble R. Tarvin, Brazil, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application June 28, 1940, Serial No. 342,909
11 Claims. (Cl. 195—44)

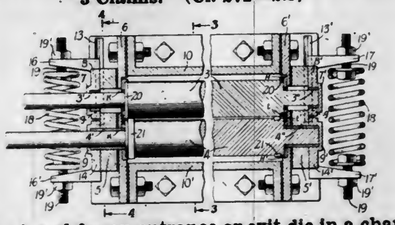
1. In a process for the production of normal-butyl alcohol and acetone by the fermentation of a carbohydrate mash by means of butyl alcohol producing bacteria of the type which are capable of producing consistently higher yields of neutral end products from nutrient glucose mashes than from mashes consisting solely of grain meal and water, and which produce increasing amounts of acidic end products throughout the fermentation in the absence of hydrogen ion control, the improvement which comprises controlling the ratio of neutral products by providing in the fermenting mash a non-toxic nitrate.

2,260,127
DEEP WELL PUMP
William F. Tebbetts, Jr., Los Angeles, Calif.
Application March 11, 1940, Serial No. 323,325
8 Claims. (Cl. 103—46)



1. In a deep well pumping mechanism, a casing, a casing head thereon, a suspension pipe depending into the casing from said head, means for alternating the feed of pressure fluid into said casing and said suspension pipe, a barrel within, and spaced from, the casing, and in communication at its lower portion therewith, said barrel being in connection and open communication at its upper end with said suspension pipe and supported thereby, a well pump of substantially smaller bore than said barrel supported by the lower end of the casing and having a vertically reciprocating plunger, a hollow valveless motor piston reciprocating in said barrel and subject to pressure at its lower end from the casing and at its upper end from the suspension pipe, and a connecting tube depending from said piston and in connection at its lower end with the pump plunger and forming a production outflow line in constant open communication through the piston, with upper portion of the barrel and the suspension pipe.

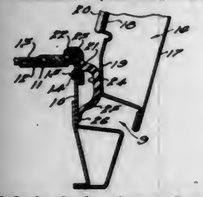
2,260,128
SEALING MEANS FOR A DIE IN A CLOSURE WALL
Harold J. Walter, Uxbridge, Mass.
Application February 2, 1940, Serial No. 316,985
3 Claims. (Cl. 271—2.3)



1. A seal for an entrance or exit die in a chamber wall comprising support members spaced laterally on opposite sides of the opening in said wall, a pair of rollers journalled between said support members, journal boxes supported on said support members respectively and having sleeves for the axles of one of said rollers of

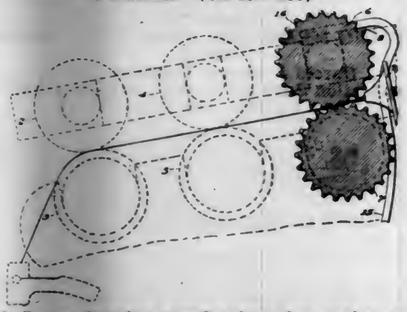
greater diameter in a plane including the axles of both rollers than the diameter of the axles of said roller, and bearing boxes for each of said rollers, mounted on the said journal boxes respectively one above the other, one set of bearing boxes being alined with the said enlarged sleeves of said journal boxes and being slideable in the direction of enlargement of said enlarged sleeves thereby permitting limited movement of one of said rollers with respect to the other of said rollers.

2,260,129
SEALING STRIP
Edward A. Wetzel, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application May 10, 1939, Serial No. 272,866
7 Claims. (Cl. 296—44)



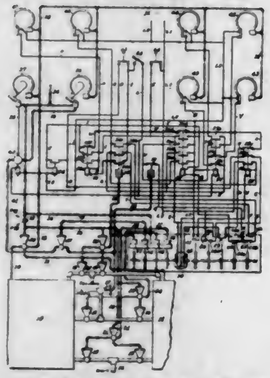
1. In a vehicle body having a floor, floor covering, a sill and a door, a sealing strip formed of yieldable material having a body portion provided therein with a metal reinforcing strip, said body having an upright portion secured to the upright outer face of the sill and an inwardly curved upper end portion overlying the sill and spaced therefrom to receive therebetween the edge of the floor covering, and a flexible sealing portion projecting outwardly from said upright body portion and curved downwardly and inwardly toward said sill, said sealing portion engaged by the door and compressed between the door and sill when said door is in closed position.

2,260,130
SPINNING AND ROVING FRAME
John H. Armstrong and Roderic D. Tarr, Biddeford, Maine, assignors to Saco-Lowell Shops, Boston, Mass., a corporation of Maine
Application February 15, 1940, Serial No. 319,032
5 Claims. (Cl. 19—130)



1. In a drawing mechanism for roving and spinning frames, the combination with a set of drawing rolls, of a pair of fluted upper and lower rolls meshing with each other and positioned behind the drawing rolls where they serve to feed the roving to the drawing rolls, said fluted rolls having intermeshing teeth to drive the top roll from the bottom roll and also having fluted fiber feeding areas in which the teeth are shorter in radial dimensions than said driving teeth and are positioned in angular relationship suitable for intermeshing with each other but are held at all times out of direct contact with each other, the teeth in said fiber feeding areas having sufficient clearance so that the top roll is normally driven through the intervening roving, but any substantial slip between the two rolls is prevented by said intermeshing driving teeth.

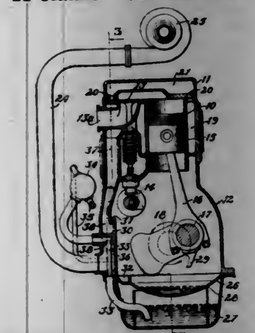
2,260,131
AUTOMATIC CONTROL SYSTEM
Wilfrid L. Atwood, Lucian N. Jones, and Horace L. Smith, Jr., Richmond, Va., assignors to The Bristol Company, Waterbury, Conn., a corporation of Connecticut
Application May 19, 1938, Serial No. 208,946
7 Claims. (Cl. 137—78)



1. In a control system for a treatment process involving the maintenance of pressure conditions in a selected one of a plurality of treatment chambers at a succession of values and the maintenance of atmospheric conditions in another of said chambers, regulating means for providing a succession of such pressure conditions of predetermined values, other regulating means for providing another succession of such pressure conditions of predetermined values, both said regulating means including a single timing instrument for maintaining such pressure conditions at certain of said predetermined values for predetermined time intervals, means for selectively controlling the pressure conditions in a selected treatment chamber by either of said regulating means and by said single timing means, and means for associating the selected regulating means and said timing means with a selected one of said plurality of treatment chambers and for maintaining atmospheric conditions in the other of said chambers.

4. In a control system for a process cycle to be alternatively conducted in a selected one of a plurality of closed vessels affording respective treating chambers and requiring that said selected chamber be controllably placed in communication with a vacuum producing means and with a source of fluid flowing at a rate regulated in conformity with a condition within said chamber and the other chamber maintained at atmospheric condition; instrumentalities for effecting regulation of said rate and the communication to the vacuum producing means and including a condition-responsive member selectively communicable with each of said chambers, and a plurality of fluid-pressure-actuated valves adapted when pressure is applied thereto mutually to coact in placing a single one of said chambers in communication with said fluid source or with said vacuum-producing means and with said condition-responsive member, and when pressure is removed therefrom to coact in placing the other of said chambers in communication with said source or with said vacuum-producing means and with said condition-responsive member, together with a manually operated valve for effecting the application or removal of fluid pressure to said valves.

2,260,132
INTERNAL COMBUSTION ENGINE
Stuart G. Baits and Dana K. Badertscher, Grosse Pointe Park, Mich., assignors to Hudson Motor Car Company, Detroit, Mich., a corporation of Michigan
Application April 22, 1938, Serial No. 203,652
11 Claims. (Cl. 123—196)



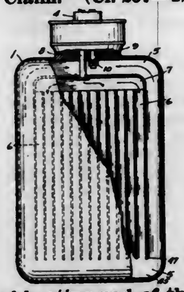
1. An internal combustion engine having cylinders; a crank case; a crank shaft; means actuated by rotation of said crank shaft to splash lubricant in the crank case against a wall of the latter; a cooling jacket about the cylinders, said jacket having an extension for cooling said wall; and a lubricating system including a conduit through which lubricant circulates, said conduit extending through said jacket extension.

2,260,133
VENTILATING WINDOW
Albert P. Ball, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Original application April 27, 1936, Serial No. 76,517. Divided and this application April 8, 1939, Serial No. 266,755
6 Claims. (Cl. 296—44)



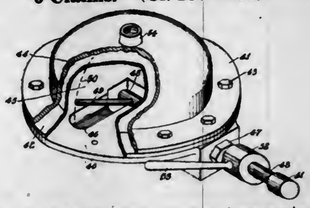
1. In a vehicle window structure having a window opening, a vertically slidable glass panel, an upright guide for said panel, a swingable glass panel, and resilient means interconnecting the adjacent edges of said last named panel and guide to provide a seal and also a hinge, said means comprising a rubber strip provided with an enlarged central body portion having a longitudinal slot formed therein and integral offset beaded portions at opposite sides of the body portion attached to said adjacent edges.

2,260,134
BODY PAD
William H. Ballman, Long Island City, N. Y.
Application October 27, 1939, Serial No. 301,614
1 Claim. (Cl. 257—12)



A cooling and heating pad of the type adapted to be used in heating and refrigerating systems where a conveying agent is circulated from and to a central plant, comprising two substantially parallel walls, one of greater thickness than the other and the edges of the thicker wall sloping downward toward the edges of the other wall, said walls connected by webs forming to series of channels, the inner of said series of channels having a common transverse entrant channel at one end and the opposite ends of said inner series of channels opening into another common transverse channel the ends of which communicate with side channels which open into an outlet transverse channel, thereby providing the outer series of channels, said entrant and outlet transverse channels having individual outlet openings through a common coupling member.

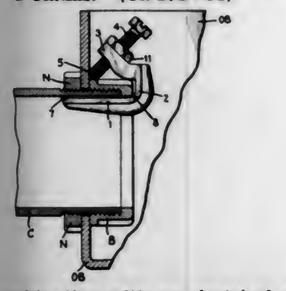
2,260,135
VENTING DEVICE FOR SEALS IN LIQUID-MEASURING SYSTEMS
John W. Beecher, Waterbury, Conn., assignor to The Bristol Company, Waterbury, Conn., a corporation of Connecticut
Application June 1, 1939, Serial No. 276,768
6 Claims. (Cl. 137—156)



1. In a liquid seal for measuring systems and including a casing affording an enclosed chamber and a flexibly yielding diaphragm dividing the chamber into vertically disposed compartments adapted to contain separate bodies of liquid: means for venting entrapped gases from the lower of said compartments and including a tubular member entering said compartment and communicating with space exterior to said casing, a hollow member carried by said tubular member within said lower compartment and projecting at an angle therefrom and communicating both with said lower compartment and the tubular member,

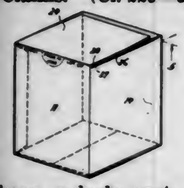
means whereby said tubular member may be rotated about its axis through an angle carrying said hollow member from a substantially horizontal to a substantially vertical position within said lower compartment, said hollow member when in said vertical position engaging the lower face of said diaphragm and distorting the same whereby the topmost part of the space in said lower compartment may be placed in communication with the interior of said hollow and tubular members, together with means exterior to said casing for controlling the communication of said last-named member with space external the casing.

2,260,136
ELECTRICAL GROUNDING CONNECTOR
Martin D. Bergan, Westfield, N. J., assignor to The Thomas & Betts Co., Elizabeth, N. J., a corporation of New Jersey
Application June 29, 1940, Serial No. 343,101
4 Claims. (Cl. 174—51)



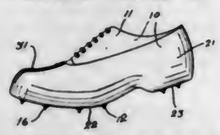
3. The combination with an electrical wiring-raceway assembly comprising a conduit projecting through a box wall and secured therein by a lock nut against the outside of the box together with a threaded bushing having its inner end against the inside of said box, of a grounding fitting mounted inside the box and astride the bushed mouth of the conduit where the latter opens into said box, one portion of the fitting reaching into the conduit and seated in electrically bonded engagement thereagainst, another portion of the fitting reaching outwardly around the bushed mouth of the conduit toward the box wall, a screw threaded thru this latter portion at an angle to the axis of the conduit; and a point on the end of the screw which when tightened initially engages the bushing near its rear end and as said screw is further tightened the point thereof progressively digs into said bushing and while still engaging same advances beyond the rear edge thereof and digs into the box wall.

2,260,137
CLOSURE FOR BOXES AND WRAPPERS
James F. Donnelly, New York, N. Y.
Application September 28, 1934, Serial No. 745,972
12 Claims. (Cl. 229—51)



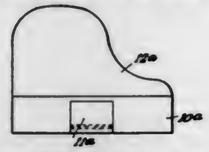
1. In a package, a body part and a closure part forming said package, a seal connecting said parts, a supplementary closing flap folded under and onto one of said parts but extensible from said part for engagement upon the other one of said parts after said seal has been broken and said parts have been parted, and an adhesive normally engaging said flap upon said one part.

2,260,138
GOLF SHOE
Elliott H. Feinberg, New York, N. Y.
Application March 21, 1940, Serial No. 325,217
7 Claims. (Cl. 36—1)



1. The combination with a shoe having a plurality of spikes projecting therefrom, the downwardly projecting portions of said spikes being of a certain length; of an overshoe disengageably engageable with said shoe, said overshoe having a lower portion of a thickness substantially less than the length of said spikes, the said lower portion of the overshoe having a plurality of orifices disposed therein, the orifices permitting penetration therethrough and projection therebelow of the said spikes, whereby the shoe is protected by the overshoe and the spikes may grip a surface which the shoe and overshoe overlie.

2,260,139
PIANO
Samuel Trude Fripp, London, England
Application March 21, 1939, Serial No. 263,120
In Great Britain March 25, 1938
3 Claims. (Cl. 84—180)

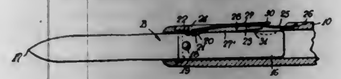


1. A piano embodying therein a case, provided with an opening in the top thereof adjacent the keyboard, a panel of a width to pass through said opening and, when in one position, to close same, pivotal supporting means for said panel at the opposite edges thereof and co-operating with the side walls of said opening, and an extension upon said panel beyond said supporting means adapted to engage the under side of the piano top, whereby said panel may be removed from said opening and brought to an upwardly and rearwardly inclined position away from said keyboard.

2,260,140
VEGETABLE OIL
Wells W. Ginn, Cincinnati, Ohio, assignor to Vegetable Oils Specialty Corporation, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application July 18, 1938, Serial No. 219,834
5 Claims. (Cl. 106—250)

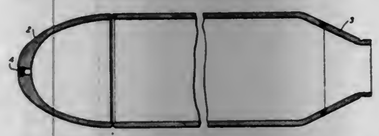
5. The method of making a varnish which comprises cooking an oil selected from the group consisting of soybean oil, linseed oil, perilla oil, and cottonseed oil in the presence of approximately ⅛ of 1% to 2½% of castor oil.

2,260,141
DROP KNIFE
Benjamin William Hanle, Elizabeth, N. J., assignor to Eagle Pencil Company, a corporation of Delaware
Application December 5, 1938, Serial No. 243,972
2 Claims. (Cl. 30—163)



1. In a drop pen knife, the combination of a hollow handle having detent means for retaining a blade alternatively in open or in closed position, said detent means comprising a leaf spring extending along a longitudinal slot in the casing, bearing at one end against the wall of the casing and having a detent finger extending into the casing at the opposite end thereof, and carrier means for said spring comprising a channel shaped metal piece straddling the main length of said spring, and accommodated in said longitudinal slot, and a transverse pin hingedly mounting said carrier upon the handle, one end of said carrier serving as a thumb rest for overcoming the spring and releasing the detent.

2,260,142
DEMOLITION BOMB
Lawrence D. Jennings, Frank J. Ramik, and Harry E. Criner, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 30, 1939, Serial No. 282,186
5 Claims. (Cl. 29—1.21)

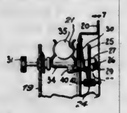


5. The method of making a hollow metallic projectile or shell which includes providing a nose portion and a tail portion, each being substantially cup-shaped, and a substantially cylindrical portion, welding all of said portions together so as to form the complete shell wall, annealing said shell, introducing a liquid within said shell at a substantially high pressure so as to effect a permanent expansion or setting of said wall, and thereafter withdrawing said liquid.

2,260,143
METHOD OF MAKING POLISHED RUBBER ARTICLES
Walter H. Juve, Akron, Ohio, assignor to The Monarch Rubber Company, Hartville, Ohio, a corporation of Ohio
No Drawing. Application February 28, 1938, Serial No. 192,967
3 Claims. (Cl. 91—68)

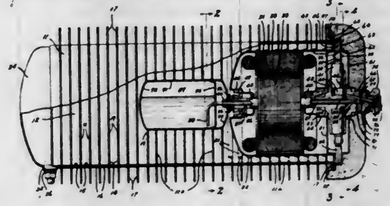
1. In a method of making a shiny, resilient rubber article, the steps of subjecting a molded rubber compound article for from three to five minutes to the action of a solution composed fifty per cent of a one and one-half per cent calcium hypochlorite solution and fifty per cent of a one per cent hydrochloric acid solution, rinsing the same in water, drying the same, rinsing the same in alcohol, and then polishing the same.

2,260,144
TIME SETTING MECHANISM FOR RADIO RECEIVERS
George Katz, New York, N. Y.
Application July 31, 1939, Serial No. 287,440
1 Claim. (Cl. 200—39)



A time setting mechanism for an electric radio receiver, comprising in combination with an electric current, a clock having a motor driven gear train, a support frame and a dial, a spindle in said frame, a gear slidable on said spindle while in mesh with said train, said gear having a hub containing a cam notch, a pin fixed in said spindle adapted to engage in the notch, a spring pressing said gear against the pin, a hand setting lever pivoted on said spindle extending outwardly of the frame, a saddle on said lever, a mercury switch carried in said saddle controlling current to said receiver, a stem extending from said spring adapted to retain said switch in an inclined position when said gear is pressed towards said saddle, a hand movable by said spindle over said dial to indicate the position of the hub notch relative to said pin, and resilient means opposed to said lever adapted to return said saddle to normal position.

2,260,145
REFRIGERATING APPARATUS
Andrew A. Kucher, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application October 18, 1939, Serial No. 300,031
11 Claims. (Cl. 62—115)



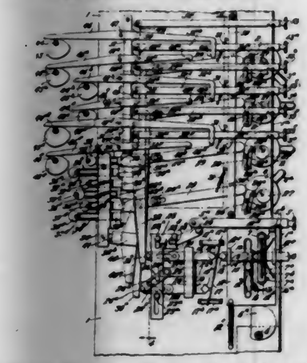
1. A combined motor-compressor-condenser-receiver for a closed refrigerating system comprising in combination, a plurality of unidirectionally nested cupped members secured together to form a sealed unitary structure, a portion of said members inwardly of the secured-together cupped portions thereof being perforated to provide an elongated chamber within said structure, a compressor within said chamber, a motor within said chamber having a rotor directly connected to said compressor for operating same, the wall of the perforation in each of certain of said members engaging said motor and supporting same axially within said chamber, means for conducting refrigerant fluid from the exterior of said sealed structure to said compressor and means for directing refrigerant from said compressor to said chamber, said members having each an integral portion extending laterally from the cupped portion thereof and providing said structure with a plurality of radiating fins, said certain members being in intimate heat exchange relation with said motor for transferring heat therefrom to atmosphere exteriorly of said structure, and

other of said members being in intimate heat exchange relation with refrigerant in said chamber for cooling and liquefying same therein.

2,260,146
APPARATUS FOR CONTROLLING ELECTRIC CIRCUITS

Frank G. Logan, Mount Vernon, N. Y., assignor to Ward Leonard Electric Company, a corporation of New York

Application June 28, 1939, Serial No. 281,533
36 Claims. (Cl. 74—1)

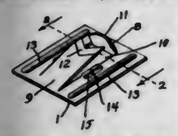


1. Apparatus for controlling an adjustable device for affecting a circuit, comprising a series of more than two set-up handles, a guiding element, each of said handles being adjustable independently of the others for selecting any desired adjustments of said element to any adjustment between limits of movement of said device, mechanical means related to said handles and said element for adjusting said element to correspond with any selected position of each of said handles, and mechanical means for gradually shifting said device from the adjustment determined by one of said handles to the selected adjustment determined by any one of the other of said handles.

2,260,147
SPRING LOCK NUT

John L. Lundberg and Edward F. Smith, Wyoming, Ohio, and William B. Snyder, Chicago, Ill., assignors to The Philip Carey Manufacturing Company, a corporation of Ohio

Application December 2, 1936, Serial No. 113,850
10 Claims. (Cl. 85—36)



1. A securing nut comprising a metal blank having a stud engaging means comprising a stamped out tongue provided with a free end between two sides having an elongated stud engaging edge, one of which sides is longer in length than the other, the free end of the tongue being disposed transversely at an angle to the blank with the longer side and a portion of the free end adjacent said longer side in a higher elevation than the shorter side and a portion of the free end adjacent said shorter side.

2,260,148
CHEWING GUM MATERIAL

Louis William Mahle, Philadelphia, Pa., assignor to Frank H. Fleer Corporation, Philadelphia, Pa., a corporation of Delaware

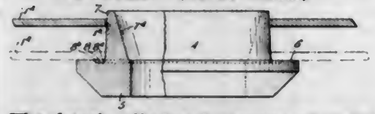
No Drawing. Application June 19, 1939, Serial No. 279,993
13 Claims. (Cl. 99—135)

1. Chewing gum material containing a polyhydroxy alcohol ester of a hydrogenated rosin.

2,260,149
CONTAINER AND METHOD OF MAKING SAME

John B. Meek, Cleveland, Ohio, assignor to The Buckeye Forging Company, Cleveland, Ohio, a corporation of Ohio

Application January 22, 1940, Serial No. 314,974
3 Claims. (Cl. 29—148.2)



1. The herein disclosed process of preparing tank walls which consists in forming a bushing consisting of an annular body portion having a neck extending from one end thereof and surrounded by a flange formed with spaced recesses in end to end relation adjacent to and concentrically related to said neck and an annular wall-engaging surface around said recesses and inverted substantially V-shaped members between adjoining end walls of said recesses, then in providing the tank wall and forming therein an opening the circumferential edge of which engagingly fits the said neck, then in inserting the said neck through said opening to engage said annular surface with one side of the tank wall, then applying pressure to the neck to peen that portion theerof outwardly of the tank wall over onto its other side and compressing the wall between the peened over portion and said annular surface, whereby that portion of the wall inwardly of said compressed portion of said wall is distorted under pressure within said recesses and under said peened-over neck portion with the V-shaped members compressed into said wall, to form a sealed interlocked relation between the tank wall and bushing.

2,260,150
COIN WRAPPER

John S. Millard, Brooklyn, N. Y., assignor to Automatic Coinwrapping Machine Corporation, New York, N. Y., a corporation of New York

Application June 24, 1937, Serial No. 150,027
3 Claims. (Cl. 229—87.2)



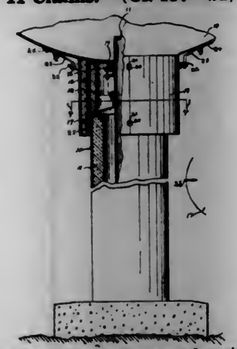
1. An elongated strip of flexible sheet material to be cut into sections to serve, each, as a wrapper for a coil roll of a predetermined circumference at the outer surface of the wrapped package, said strip bearing a set of like markings all spaced substantially equal distances from one edge of the strip and each spaced, longitudinally of the strip, from the like marking, of the same set, at each side of it such a distance that like parts of each such two adjacent markings are separated, lengthwise of the strip, by a distance substantially equal to the said circumference, the said strip being of such length that when severed at a plurality of longitudinally spaced points

un-predetermined with respect to the markings a plurality of complete and separate wrappers are formed which, when wrapped around rolls of coins, will each display one or more substantially complete markings regardless of the location of any such markings with respect to the ends of the wrapper.

2,260,151
MEANS FOR PREVENTING THE FREEZING OF RISER PIPES

Herbert Miller, Des Moines, Iowa, assignor to Pittsburgh-Des Moines Steel Company, Pittsburgh, Pa., a copartnership

Application April 6, 1940, Serial No. 328,370
11 Claims. (Cl. 137—21)

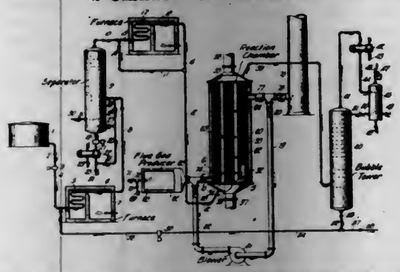


1. In combination with an elevated tank and riser pipe, a pipe insulation structure comprising, an insulating unit embracing said riser pipe and terminating a distance below said tank, a plate embracing said riser pipe and extending over the upper marginal edge of said insulating unit, and an insulating collar unit having its upper end engaging said tank and its lower end portion embracing the upper end portion of said first mentioned insulating unit.

2,260,152
METHOD FOR CONTROLLING HEAT IN CATALYTIC REACTIONS

Henry M. Nelly, Jr., Jersey City, and Louis C. Rubin, West Caldwell, N. J., assignors to The M. W. Kellogg Company, New York, N. Y., a corporation of Delaware

Application June 16, 1938, Serial No. 214,018
2 Claims. (Cl. 196—51)

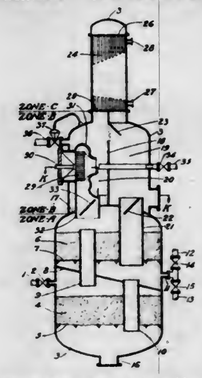


2. A method of converting high-boiling hydrocarbons to lower boiling hydrocarbons which comprises passing the high-boiling hydrocarbons in the vapor phase and at an elevated temperature in a plurality of confined paths through a reaction zone comprising a plurality of aligned, columnar masses of a cracking catalyst under reaction conditions adapted to effect the desired conversion, passing a stream of a heat-exchange medium in heat-exchange relation with the reaction zone in a winding confined path traversing and retraversing said columnar masses, said hydrocarbon vapors and heat-exchange medium being introduced at the same end of said reaction zone and withdrawn at the opposite end thereof, and the cross-sectional area of said stream of heat-exchange medium being progressively increased in the direction of movement of said stream.

2,260,153
APPARATUS FOR HYDROCARBON CONVERSION

Lewis E. Nolsinger, Livingston, N. J., assignor to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware

Application December 21, 1939, Serial No. 310,274
9 Claims. (Cl. 196—52)



7. In apparatus for the catalytic conversion of hydrocarbons, the combination comprising a fluid-tight housing, a confined body of catalytic material and heat-exchanging means disposed within said housing, partitioning means disposed in said housing so as to define gas-conducting passageways for the circulation of gas from the body of catalytic material to the heat exchanger, and for the return of gas from the exchanger to the body of catalyst, and impeller means disposed in one of said passageways for effecting the circulation of gas through said passageways.

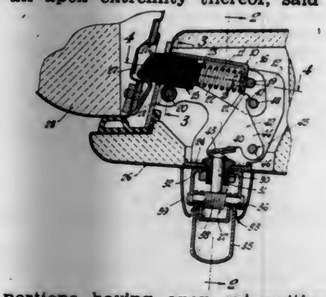
2,260,154
REFRIGERATOR LATCH

Edwin W. North and William O. Burke, Rockford, Ill., assignors to National Lock Co., Rockford, Ill., a corporation of Delaware

Application May 5, 1939, Serial No. 271,852
3 Claims. (Cl. 292—166)

1. In a latch of the type having a U-shaped body structure and a reciprocable bolt arranged in said body structure for rectilinear movement, said reciprocable bolt provided with bearing means for engagement by an intermediate operating means and a transversely moving operating plunger, intermediate operating means in the form of a member bent back upon itself to provide a bight portion with opposite adjoining wall portions of approximately triangular shape, said bight portion being curved in a direction inwardly along a line extending between the opposite wall portions for gliding engagement with

an end of said plunger, said member being mounted for pivotal movement about pin means extended through said opposite wall portions near an apex extremity thereof, said opposite



wall portions having apex extremities remote from said pin means and said bight portion which are curved for bearing engagement with said bearing means on the bolt.

2,260,155
TOILET SEAT
Alexander Schwartz, New York, N. Y.
Application January 20, 1940, Serial No. 314,763
3 Claims. (Cl. 4—237)



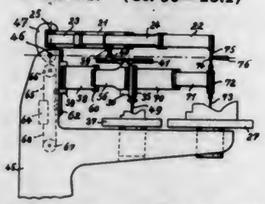
1. A toilet seat comprising a hollow convex member and a relatively flat lower member, the lower member having a transversely shaped peripheral edge, the upper member having a recess abutting the outer side of the edge of the lower member and having a shoulder abutting the upper corner of the edge of the lower member, the outer member fully covering the edge of the lower member and being connected thereto.

2,260,156
TAMPER-PROOF INNER SEAL
James W. Wandell, Hoboken, N. J., assignor to David N. Popik, escrowee
Application March 1, 1940, Serial No. 321,653
1 Claim. (Cl. 215—21)



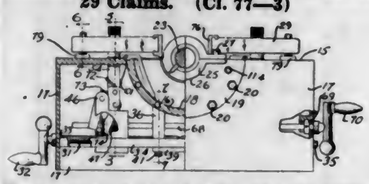
A tamper-proof inner seal for containers, comprising a tubular body member having an upwardly directed valve seat in its lower end, a ball inside said body member for engaging said seat, a plurality of axially-extending, circumferentially spaced ribs on the inside face of said body member for guiding said ball, the upper ends of said ribs terminating short of the upper end of said body member, a ring fitting within the upper end of said body member and resting on the upper ends of said ribs, said ring having an upwardly directed flange on the inner periphery thereof and forming an annular trough, and a cage member comprising a top shield, substantially disc-like in plan view and supported above the top end of said body member in spaced relation thereto, and a plurality of downwardly projecting, circumferentially-spaced supporting posts engaged into said trough, said body member, ribs, ring, shield and posts being fused to one another whereby to form an integral unit.

2,260,157
COUNTERBALANCING MEANS FOR ENGRAVING AND COPYING MACHINES
Kurt Zwick, Munich, Germany, assignor to Friedrich Deckel, Munich-Prinz Luwigshohe, Bavaria, Germany
Original application March 28, 1936, Serial No. 71,483. Divided and this application March 14, 1939, Serial No. 261,806. In Germany July 24, 1935
4 Claims. (Cl. 90—13.1)



1. An engraving or copying machine comprising a frame, a substantially vertical guideway on said frame, a slide movable substantially vertically along said guideway, means supported from said slide for holding a cutting tool, counterweight means of substantial mass, pulley means above said counterweight means, connecting means passing upwardly from said counterweight means to said pulley means and from said pulley means to said vertically movable slide so that the mass of said counterweight means counterbalances at least in part the weight of said slide and of the parts carried thereby, other pulley means below said counterweight means, and connecting means passing downwardly from said counterweight means to said other pulley means and upwardly from said other pulley means to said slide, said last named connecting means being under tension so that the mass of said counterweight means will tend to damp upward and downward vibration of said slide.

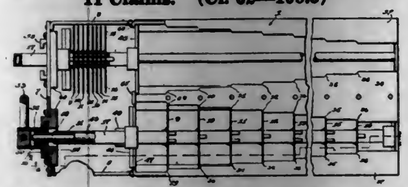
2,260,158
MACHINE FOR BORING BEARING SHELLS
Ewald A. Arp, Minneapolis, Minn., assignor to Tobin-Arp Manufacturing Company, Minneapolis, Minn., a copartnership consisting of Wilbert J. Tobin, Ewald A. Arp, and Henry S. Kedney
Application June 3, 1940. Serial No. 338,567
29 Claims. (Cl. 77—3)



1. In a machine for boring bearing members, a boring bar with operating tool, a member providing a concave surface, spaced apart supports upon said surface for retaining a bearing member in concentric relation to said boring bar,

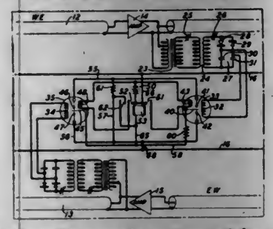
means for detachably fastening said supports in fixed relation to said concave surface, and means for releasably fastening said bearing member in fixed relation to said supports.

2,260,159
ICE BLOCK FORMING AND DISPENSING DEVICE
Richard A. Bayne, Detroit, Mich.
Application June 29, 1939, Serial No. 281,928
11 Claims. (Cl. 62—108.5)



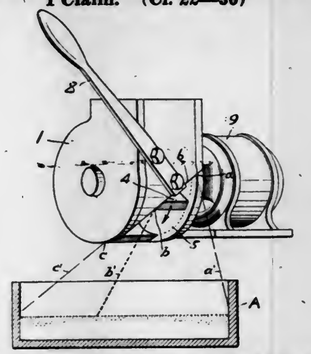
1. A device for forming and dispensing ice blocks comprising a container having an outlet and adapted to receive a liquid to be frozen, a plurality of divider plates cooperating with the walls of the container to form ice cube compartments, ejecting means slidable forwardly and backwardly, said ejecting means on its forward movement being adapted to loosen the ice blocks and move the ice blocks and said divider plates through said outlet to dispense the ice blocks, and mechanism cooperating with said slidable ejecting means on its backward movement for returning the divider plates to and spacing the divider plates in their original ice block forming positions within the container.

2,260,160
LOCATION AND IDENTIFICATION OF FAULTS IN SIGNALING TRANSMISSION SYSTEMS
Harvey H. Benning, Lincoln Park, N. J., and Frank A. Leibe, Quakertown, Pa., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 26, 1940, Serial No. 331,736
6 Claims. (Cl. 177—311)



1. In a signaling system comprising in combination two one-way paths, at least two attended repeaters and a plurality of unattended repeaters therebetween disposed in tandem in said paths, means at each repeater to transmit a plurality of signaling currents including a pilot current on each path, circuit means extending from each attended repeater to each unattended repeater, indicating means connected to said circuit means at an attended repeater, means at each unattended repeater responsive to certain changes of the condition of the pilot current on each one-way path to apply a closure circuit to said circuit means whereby said indicating means is actuated to announce the occurrence of said changes, and means to make resistance measurements on said circuit means to ascertain the location of said closure circuit; means included in said closure circuit to identify said certain changes of the condition of the pilot current and the one-way path involved in said closure circuit, said identifying means comprising a plurality of different amounts of resistance each of which amounts represents an increase or decrease in the strength of the pilot current on each one-way path, means responsive to a predetermined increase or decrease in the strength of the pilot current to dispose one or more said amounts of resistance in said closure circuit to make one resistance measurement and further means responsive to a change in the condition of said circuit means and said closure circuit to remove one or more said amounts of resistance from said closure circuit to make a second resistance measurement, the difference between both resistance measurements being equivalent to one or more said amounts of resistance representing a certain change of the condition of the pilot current on a certain one-way path.

2,260,161
MOLDING MACHINE
William F. H. Braun, Wynnewood, Pa.
Application November 8, 1940, Serial No 364,835
1 Claim. (Cl. 22—36)

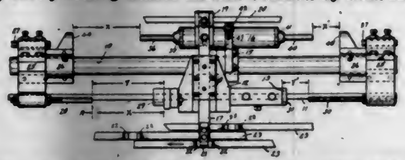


A molding machine having a cylindrical housing provided with an inlet for sand or other mold making material, a rotor generally concentric with the housing and revoluble on a horizontal axis and operating to impel a stream of said material downward along the inner cylindrical surface of the housing, a final discharge opening through the cylindrical wall of the housing and disposed in the path of the on-coming stream of material, the bounding wall of the opening terminating in the periphery of the housing and a portion of the bounding wall of the opening being arranged in the path of the on-coming stream of material and inclined to the horizontal whereby the stream is discharged over the inclined portion directly into the air and at the periphery in a fan shaped trajectory.

2,260,162
APPARATUS FOR CONTROLLING MOVEMENT OF KNITTING MACHINE CARRIER FRICTION BOXES
Hermann E. Baun, Indianapolis, Ind.
Application January 8, 1941, Serial No. 373,658
5 Claims. (Cl. 66—130)

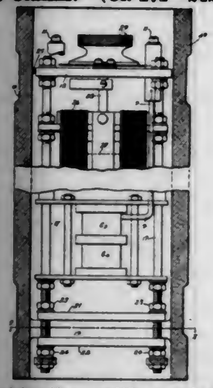
1. In a knitting machine, a reciprocable friction box, stop members at each side thereof, said friction box and said stop members having mat-

ing abutment portions unyieldingly engageable to definitely limit the travel of said friction box in each direction, and said stop members being relatively movable to vary the limits of said travel, and yielding buffer means carried by said fric-



tion box and engaging said stop members to cushion the stopping action thereof, said buffer means engaging said stop members when the corresponding mating abutment portions are separated by a predetermined distance, irrespective of the position of said stop members.

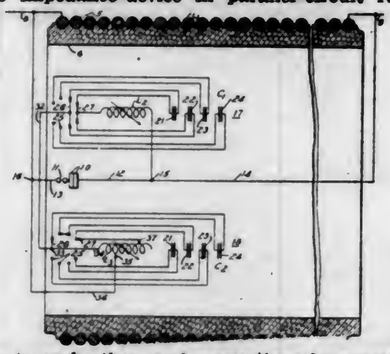
2,260,163
TUNING UNIT FOR CHOKE COILS
Myron J. Brown, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 21, 1939, Serial No. 310,473
20 Claims. (Cl. 171—242)



1. The combination, with a relatively heavy-duty, alternating-current, large-diameter line-connected choke-coil, of a relatively light-current tuning-unit disposed within said line-connected choke-coil, said tuning-unit comprising an open-ended tubular insulating casing, a readily removable water-tight cover for an open end of said tubular insulating casing, a variable capacitive impedance-device and means for adjusting the same disposed within said casing, with the adjustment-means accessible at the aforesaid open end, a chassis for supporting said impedance-device and said adjustment-means, said chassis comprising two longitudinally extending rods, and internal shoulder-means carried by said tubular insulating casing for supportingly engaging said rods independently of said cover.

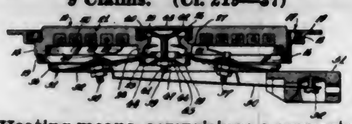
2,260,164
DOUBLE-FREQUENCY RESONANT CHOKE COIL
Myron J. Brown and Ezra T. Hughes, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 24, 1940, Serial No. 315,384
4 Claims. (Cl. 178—44)

1. The combination, with a relatively heavy-current, large-diameter line-connected choke-coil, of relatively light-current tuning-means disposed within said line-connected choke-coil for tuning said line-connected choke-coil in parallel resonance to at least two carrier-current frequencies, said tuning-means comprising a first variable capacitive impedance-device, a parallel-resonant group comprising a variable inductive impedance-device and a second variable capacitive impedance-device in parallel-circuit rela-



tion to each other, and connections for connecting said first variable capacitive impedance-device and said parallel-resonant group in series with each other, and across said line-connected choke-coil, whereby the entire choke-coil combination is tuned to two frequencies, one above, and one below, both the resonant frequency of said parallel-resonant group and the resonant frequency of said line-connected choke-coil and said first variable capacitive impedance-device.

2,260,165
HEATING MEANS
Ernest N. Calhoun, Pittsburgh, Pa., assignor to Edwin L. Wiegand, Pittsburgh, Pa.
Application June 6, 1940, Serial No. 339,119
9 Claims. (Cl. 219—37)

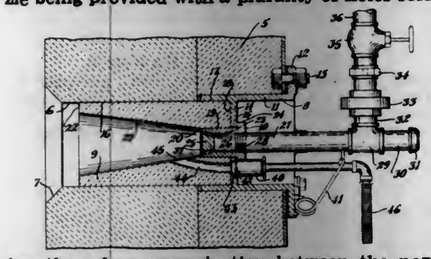


8. Heating means, comprising: a support; electrical insulating material carried by said support; electrical resistance means, carried by said insulating material, and having extending terminal means; reflector means, having connection means to which said terminal means are connected; holding means, constructed and arranged to hold said reflector means assembled with said support; and means, separate from said terminal means, constructed and arranged to prevent relative shifting of said reflector means and said support about said holding means, so that said terminal means are relieved of the strain of opposing such relative shifting.

2,260,166
FUEL BURNER
Frank T. Cope, Salem, Ohio, assignor to The Electric Furnace Company, Salem, Ohio, a corporation of Ohio
Application June 9, 1938, Serial No. 212,764
7 Claims. (Cl. 158—99)

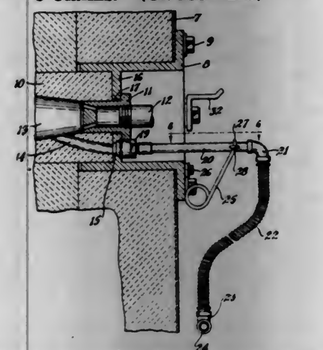
1. In a pre-mix fuel-air burner, a burner block

having walls forming a through opening having an inner tubular surface, a burner nozzle sealed in said opening closing one end thereof, said nozzle being provided with a plurality of holes form-



ing the sole communication between the nozzle and burner block opening, and the axes of said holes being elements of a cone and intersecting said tubular burner block surface.

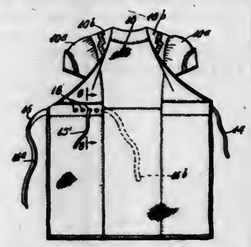
2,260,167
PILOT FOR FUEL BURNERS
Frank T. Cope, Salem, Ohio, assignor to The Electric Furnace Company, Salem, Ohio, a corporation of Ohio
Application June 9, 1938, Serial No. 212,765
3 Claims. (Cl. 158—115)



1. Pilot construction for a furnace fuel burner having a pilot opening, including a pilot conduit having a gas-tight flexible portion and a nose, said pilot nose and opening having complementary universal seat surfaces, spring means mounting said pilot conduit with said nose removably seated in said pilot opening, and means for supporting the pilot conduit in removed position.

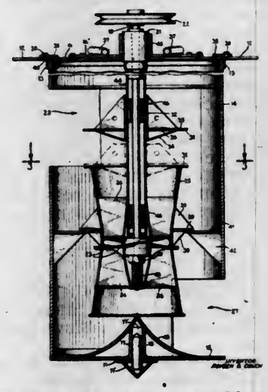
2,260,168
DRESS
Lucy Costanza, Brooklyn, N. Y., assignor to Perfection Frocks, New York, N. Y.
Application February 29, 1940, Serial No. 321,394
1 Claim. (Cl. 2—76)

A dress comprising fabric material having an open front with the edge portions of said opening overlapping, a tie string of cloth material adjustably mounted adjacent the waist area on the outer overlapping portion, a string of cloth material secured adjacent the waist area to the outer edge of the inner overlapping portion and adapted to be engaged with the first mentioned tie string, a belt section of cloth material at the waist area secured to the outer edge of the said outer portion, and a second belt section secured adjacent the side of the outer overlapping portion at the waist area to the outside face of the said dress, said belt sections being extendible



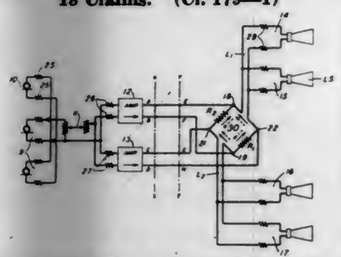
to the back of the dress where they are adapted to be tied into a bow to secure the outer overlapping portion in closed position.

2,260,169
REVERSIBLE FLOW PUMP
Royden O. Couch, Grant, Fla.
Application May 14, 1940, Serial No. 335,029
5 Claims. (Cl. 103—3)



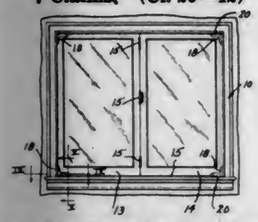
5. A combined dam and reversible pump comprising in combination a separated pair of plates in the same vertical plane, the inner edge of each plate being vertical, said plates constituting the sides of a dam; a substantially cylindrical shell having a vertical axis and being rotatably supported by said plates in the space between them, the diameter of the shell being substantially equal to the distance between said inner edges of the plates, said shell being closed at the bottom and having an opening in the top and being provided with peripherally spaced intake and discharge openings, said shell being rotatable about its axis within the space between said plates to interchange the positions of the intake and discharge openings with respect thereto; a member associated with the top of the shell and provided with an aperture; and a pumping element comprising a casing having openings adjacent the intake and discharge openings in the shell and a rotary impeller within said casing, said element having outside dimensions less than the inside dimensions of the opening in the top of the shell whereby the pumping element may be removed from the shell without removing the latter from the dam, said impeller being provided with a shaft normally extending through said aperture.

2,260,170
TRANSMISSION SYSTEM EMBODYING LOUD-SPEAKERS
Herbert C. Curl, Jackson Heights, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 18, 1939, Serial No. 285,119
18 Claims. (Cl. 179—1)



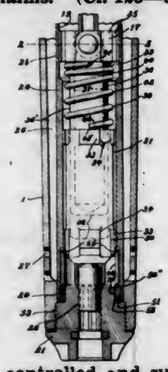
1. In combination, a source of signals, a pair of amplifying means whose inputs are connected to the signaling source, a pair of load circuits, and means for connecting the outputs of the amplifying means to the load circuits comprising a network having a pair of opposite arms each of which embodies an impedance and a pair of opposite arms each of which embodies one load circuit, the output of each amplifying means being connected to a different diagonal of the network, the network applying the outputs of the amplifying means to the load circuits such that the potentials across opposite diagonals thereof are substantially the same during intervals when both amplifying means are operative and one diagonal has zero potential difference thereacross while the opposite diagonal has the potential of one amplifying means thereacross during intervals when only one amplifying means is operative.

2,260,171
CASEMENT WINDOW
Owen L. Dautrick, Ferndale, Mich., assignor to Lewis G. Erb and Arthur E. Blow, both of Royal Oak, Mich.
Application July 13, 1940, Serial No. 345,279
7 Claims. (Cl. 20—42)



1. In a window frame having a top and a bottom and a closure member for the frame, means to support said closure member for swinging movement and for sliding movement and being provided in duplicate for the top and bottom of the closure member, said means comprising an angle bar disposed adjacent an edge of said frame, an angle plate pivoted for swinging movement on said closure member and adjacent a corner thereof, a roller carried by said plate and mounted rotatable thereon, said roller being rotatable along said angle bar and having opposed flanges overlapping an edge of said bar for guiding movement of said roller thereon, said plate being disposed extending parallel to and in spaced opposed relation to a side of said closure member when said member is in closing position, and flange means on said plate cooperable with said closure member to conceal said roller when said closure member is in closing position.

2,260,172
PORTABLE POWER HAMMER
Alonzo G. Decker, Jr., Towson, Md., assignor to The Black and Decker Manufacturing Company, a corporation of Maryland
Application July 21, 1939, Serial No. 285,681
16 Claims. (Cl. 125—33)



1. In a hand controlled and supported power operated hammer of the type described having a reciprocating cross head and a ram and cooperating cylinder and piston members connecting the cross head and ram, the piston being hollow, and a spring coiled about and having a frictional engagement with one of said members for a substantial portion of its length, said spring being in pressure transmitting relation at one end with the cross head and at the other end with the ram, said frictional engagement serving to dampen the action of the spring and prevent surging, and ram checking means below the normal stroke of the ram to check the recoil of the ram when the hammer is idling in the absence of a bit.

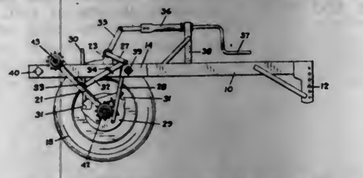
2,260,173
PRODUCTION AND APPLICATION OF MEDIA FOR PROTECTION FROM LIGHT
Max Dohrn, Berlin-Charlottenburg, and Hans Nahme, Berlin-Zehlendorf, Germany, assignors to Sherka Chemical Co. Inc., Bloomfield, N. J., a corporation of New York
No Drawing. Application July 1, 1939, Serial No. 282,472. In Germany July 11, 1938
8 Claims. (Cl. 167—90)

1. A composition for protection from sunlight containing therein a sufficient amount to give such protection of a solid ester of wax-like consistency, said ester being the reaction product of an acid taken from the group consisting of salicylic, umbelliferone acetic, dichloro-pyridine-carboxylic, and oxy-naphthoic, with an alcohol taken from the group consisting of lauryl, cetyl, octadecanol, cholesterol, and abietinol.

2,260,174
COMBINATION CARRIER
William Elliott, Beatrice, Nebr., assignor to Dempster Mill Manufacturing Company, Beatrice, Nebr., a corporation of Nebraska
Application February 12, 1940, Serial No. 318,523
10 Claims. (Cl. 97—73)

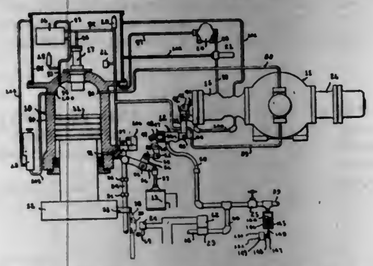
1. A carrier adapted for connection to a tractor

to be drawn thereby, a pair of wheels in transverse alignment, a crank axle journalled on said carrier and having said wheels journalled thereon at the extremities thereof, means for clutching one only of said wheels to said crank axle, a prop on said carrier at a point remote from



said clutching means for engaging said crank axle for minimizing the torsional stresses in said crank axle during the operation of said carrier, and a single adjusting means for simultaneously adjusting the position of the clutching means and the position of the prop.

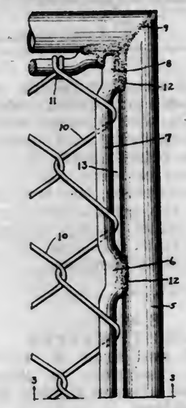
2,260,175
PRESS WITH ELECTRICALLY CONTROLLED COLLAPSIBLE AIR LINK
Walter Ernst, Victor S. Shaw, Paul C. Pocock, and Herbert S. Booher, Mount Gilead, Ohio, assignors to The Hydraulic Development Corporation, Inc., Wilmington, Del., a corporation of Delaware
Application January 23, 1940, Serial No. 315,204
11 Claims. (Cl. 60—52)



9. In a hydraulic press control system, the combination with reversible hydraulic motor means having a reciprocable ram and a reversible variable delivery pump with a flow-control member for reversibly varying the pump delivery from a forward delivery position through a neutral position to a reverse delivery position, of yielding means for urging said flow-control member in one direction, an electrical device for moving said flow-control member in the opposite direction, an expanding and collapsing link device connected between said flow-control member and said electrical device, means responsive to the arrival of said ram at a predetermined location on its forward stroke for actuating said link device to effect the moving of said flow-control member to a reduced-delivery position, means for supplying pressure fluid to actuate said link device, an electric motor for driving said pump, and means controlled by the fluid pressure actuating said link whereby, upon a failure of said fluid pressure, said motor will be rendered inoperative.

11. A hydraulic press comprising in combination a press ram, means for supplying pressure fluid to said ram for actuating the same, electric means for driving said fluid supply means, link means including a fluid pressure chamber operable to vary the delivery of said pressure fluid supply means, and means adapted in response to a predetermined pressure condition in said chamber to prevent said driving means from further driving said pressure fluid supply means.

2,260,176
TENSION BAR FOR WIRE FENCING
Le Roy Ford, Indianapolis, Ind.
Application December 21, 1938, Serial No. 246,945
2 Claims. (Cl. 256—73)



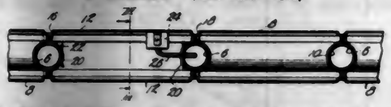
1. A guard or fence unit including a peripherally arranged rigid frame, a second rigid frame similar thereto and within the same, and of slightly less area than that outlined by the interior of the first frame and substantially conforming thereto in outline and coplanar therewith, and an openwork, chain link, wire lacing type filler of the same outline and area of the inner frame and tensioned thereby when supported by and interwoven about the inner frame at spaced intervals, and lying in the common plane with said frames, the inner frame including at spaced intervals laterally offset portions directed toward the outer frame and rigid therewith to reenforce the outer frame and form longitudinally aligned elongated openings or channels therebetween, the frame and filler interweaving being located within the openings or channels, the connection of the offset portions to the outer frame maintaining tautness in the filler.

2,260,177
METHOD FOR MAKING IMPROVED TITANIUM DIOXIDE PIGMENTS
Hermann Giese, Leverkusen-I. G. Werk, Germany, assignor to Titan Company, Inc., Wilmington, Del., a corporation of Delaware
No Drawing. Application October 18, 1939, Serial No. 300,004
2 Claims. (Cl. 106—300)

1. Method for improving the properties of titanium dioxide pigments which comprises heating a suspension of titanium dioxide pigment particles in an aluminum salt solution at a temperature between about 25° C. and the boiling point thereof, maintaining the said pigment particles in contact with the aluminum salt solution for a retention period of between about five hours and twenty-five hours, adding to said suspension at a temperature above about 25° C. an alkaline-reacting precipitation agent and thereafter maintaining the so-treated pigment particles in contact with the mother liquor at the

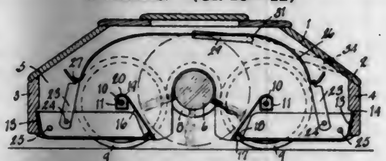
said elevated temperature for a second retention period of between about one hour to about two hours.

2,260,178
REMOVABLE PANEL
Emile S. Guignon, Jr., Kansas City, Mo.
Application February 5, 1940, Serial No. 317,391
6 Claims. (Cl. 189—34)



1. In a building structure having spaced apart supporting members and unitary blocks, having two outer surfaces, with grooves between in the edges thereof for receiving said supporting members, said blocks being arranged in tiers with the outer surfaces on each side of the blocks being in a common plane, the combination of a panel occupying the normal position of one of said blocks, said panel having resilient clips extending laterally from the inner face thereof to engage the supporting members.

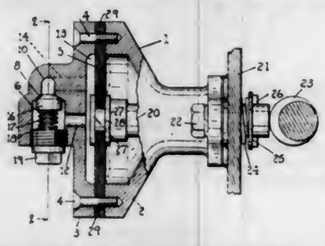
2,260,179
CARPET SWEEPER
William G. Hall and Fred W. Pullen, Grand Rapids, Mich., assignors to Bissell Carpet Sweeper Company, Grand Rapids, Mich., a corporation of Michigan
Application November 17, 1939, Serial No. 305,002
2 Claims. (Cl. 15—41)



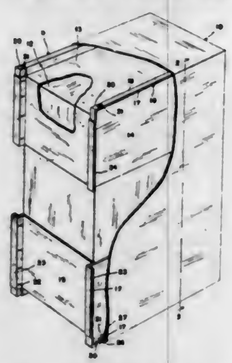
1. In a carpet sweeper having a casing with end and side walls and a rotary brush disposed centrally and longitudinally of the casing, the combination of a pair of dust pans extending from the bottom of the side walls of the casing toward the brush and pivotally connected adjacent their outer edges to said casing on an axis parallel to said brush, rigid stops to engage the dust pans when they are closed, and means for holding said pans against said stops when the carpet sweeper is in use but permitting said pans to swing downwardly away from the stops for dumping said pans, comprising links pivoted to said pans at points spaced inwardly from the pivotal connection of said pans, spring connections to said links, and a lever to raise said spring connections to place them under tension to hold the pans closed and means engageable by said lever to hold it in spring tensioning position.

2,260,180
CONSTANT PRESSURE DIAPHRAGM PUMP
John H. Herder, Kalamazoo, Mich.
Application July 19, 1937, Serial No. 154,326
16 Claims. (Cl. 103—150)

1. In a diaphragm pump, a pair of body members providing a pump chamber and intake and discharge valve chambers each communicating with said pump chamber, said intake and discharge valve chambers further communicating with feed and discharge conduits respectively, a diaphragm element fixedly secured between said body members to close a side of said pump chamber, said diaphragm element comprising a flexible, elastic and stretchable disk rigidly clamped peripherally between said body members, a plunger secured to said diaphragm element to engage the same throughout a relatively limited area and slidably mounted in one of said body members, said diaphragm element being subject to substantial radial stretching under tension therein arising from abnormal pressure in the pump chamber, and an eccentric operatively engaged with the free end of said plunger to positively actuate the same on the pumping stroke, there being a substantial area of the diaphragm between the point of securement of the plunger and the periphery of the diaphragm adapted to bulge oppositely of the direction of movement of the plunger when the diaphragm is subjected to a pressure in the pump chamber exceeding a predetermined allowable maximum value to thereby prevent an increase of the pressure in the chamber above said allowable maximum.

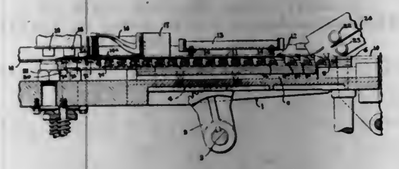


2,260,181
SPACER FOR CARTONS AND THE LIKE
Edward C. Hollingsworth, Monroe, Mich., assignor to River Raisin Paper Company, Monroe, Mich., a corporation of Michigan
Application April 8, 1940, Serial No. 328,584
14 Claims. (Cl. 229—14)



1. A package comprising a carton, a spacer part adapted to receive one end of an article to be packaged, said part having end walls and side walls secured together to form a unitary structure, said side walls projecting beyond the end walls to form flanges extending substantially perpendicular to the end walls, said flanges having outwardly flared marginal portions engageable with the carton at the junction of adjacent walls of the carton to suspend the spacer part in the carton.

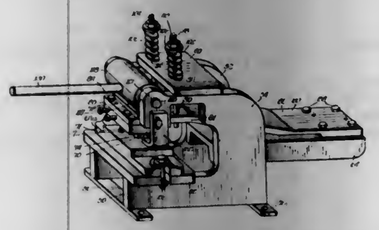
2,260,182
PUNCH PRESS
Bernt Knutsen, Brooklyn, and John W. Quis, Maspeth, Long Island, N. Y., assignors to Callahan Can Machine Co., Inc., Brooklyn, N. Y.
Application February 26, 1941, Serial No. 380,590
6 Claims. (Cl. 164—88)



1. The method of punching sheet material, which consists of simultaneously punching alternate rows of holes therein until the following edge is reached, then lapping the leading edge of another sheet over the last row of holes punched in the first sheet and then simultaneously punching the next to the last row of holes in the first sheet and the initial row of holes in the second sheet.

6. In a punch press provided with punches, a bed-plate and means for feeding a plurality of sheets of sheet material along said bed-plate to the punches one after the other so that the leading edge of one sheet overlaps the following edge of the preceding sheet before the punching of the first-mentioned sheet is completed, means for guiding the leading edge of said first-mentioned sheet over the following edge of said preceding sheet at the beginning of the overlapping of said sheets, consisting of a step sloping upwardly from the bed-plate to a height greater than the thickness of a sheet.

2,260,183
PUNCH PRESS AND PUNCH AND DIE SET HOLDER
Freeland H. Leslie, Chicago, Ill.
Application May 27, 1939, Serial No. 276,247
12 Claims. (Cl. 164—91)

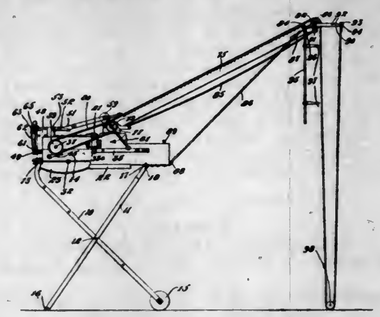


1. A punch press of the character described comprising, in combination, a punch plate capable of holding a plurality of punches off center, a die shoe, a means for moving the punch plate relative to the die shoe consisting of a force directed against all points in a line extending across approximately the entire width of the punch plate whereby lateral rocking of the punch plate is prevented, and means acting as a column on the punch plate and the die shoe whereby forward and backward rocking between the two is prevented.

2,260,184
3-HALOGENO-BIS-NOR-ALLO-CHOLANIC ACID COMPOUNDS AND A PROCESS FOR PRODUCING THEM
Russell Earl Marker, State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Original application August 6, 1937, Serial No. 157,775. Divided and this application September 26, 1938, Serial No. 231,817
7 Claims. (Cl. 260—397.1)

1. The process of preparing esters of 3-halogeno-bis-nor-allo-cholanic acid which comprises reaction of an ester of 3-halogeno-allo-norcholanic acid with phenyl magnesium bromide to obtain 3-halogeno-allo-bis-nor-cholanyldiphenylcarbinol, oxidizing the latter compound to obtain 3-halogeno-bis-nor-allo-cholanic acid, and esterifying the last named compound to obtain an ester of 3-halogeno-bis-nor-allo-cholanic acid.

2,260,185
PAPER-HANGING MACHINE
James B. McDevitt, Dennison, Ohio
Application November 8, 1939, Serial No. 303,402
6 Claims. (Cl. 91—14)

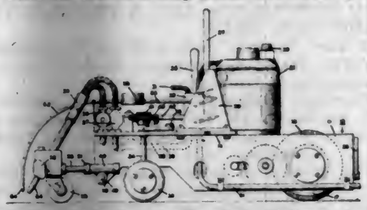


1. A machine of the character described including a frame comprising side members and cross members, one cross member being located at the lower edges of the side members at a point spaced from the forward end of the frame, a paste trough shouldered at its rear end to engage over said lower cross member, means for detachably connecting the forward end of the paste trough to the frame, complemental bearings in the paste trough and frame, a paste roll removably journaled in said bearings, means in the frame for supporting a roll of paper at one side of the paste roll, and a feeding roll at the other side of the paste roll.

2,260,186
METHOD FOR EXAMINING METAL FOR SUBSURFACE DEFECTS
Louis C. McNutt, Scotch Plains, N. J., assignor to M. W. Kellogg Co., New York, N. Y., a corporation of Delaware
Application May 20, 1938, Serial No. 209,153
3 Claims. (Cl. 73—51)

1. The method of examining metal bodies for sub-surface defects which comprises progressing a high intensity heat source at a substantially uniform rate over the surface of a metal body to heat the portions of said surface overlying sound metal to a substantially uniform temperature and portions of said surface overlying defects to temperatures higher than said uniform

temperature, the intensity of said source and the rate of travel being such that said portions

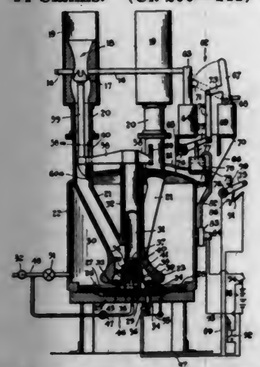


overlying defects are heated high enough to color.

2,260,187
MOLDING POWDER
Abraham B. Miller, Newark, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 30, 1938, Serial No. 232,611
8 Claims. (Cl. 260—25)

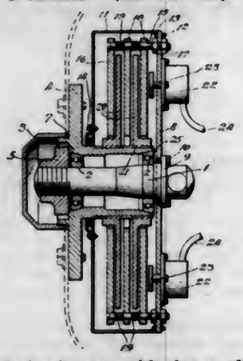
3. A molding powder comprising an admixture of hexamethylenetetramine, a filler, a phenol-aldehyde molding resin and extracted pine wood pitch, the said pitch being characterized by substantial insolubility in petroleum hydrocarbons and comprising a residue low in abietic acid remaining after the separation of refined rosin high in abietic acid from the resinous material obtained by extraction of pine wood with a solvent, the said molding powder being characterized by the substantial absence of reaction product of the extracted pine wood pitch with an aldehyde and by a substantially anhydrous condition.

2,260,188
GAS-BLAST CIRCUIT BREAKER
Humphreys Milliken, Mount Royal, Quebec, Canada
Application March 27, 1940, Serial No. 326,257
14 Claims. (Cl. 200—148)



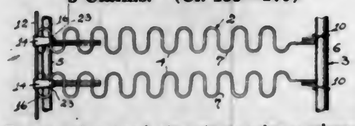
1. A gas-blast circuit breaker comprising stationary and movable interrupting contacts, a source of gas under pressure, a conduit through which a blast of gas is delivered from said source to said contacts, a valve controlling communication between said source and said conduit, means connecting said valve to at least one of the interrupting contacts whereby said contacts are moved to the open-circuit position by the opening of said valve and to the closed-circuit position by the closing of said valve, said means permitting the valve to have a limited movement independently of the connected interrupting contact whereby the valve may be opened to a certain extent prior to the movement of the interrupting contacts to open-circuit position.

2,260,189
BRAKE
Emmett George Morrison, Elgin, Ill.
Application August 2, 1940, Serial No. 349,645
5 Claims. (Cl. 188—18)



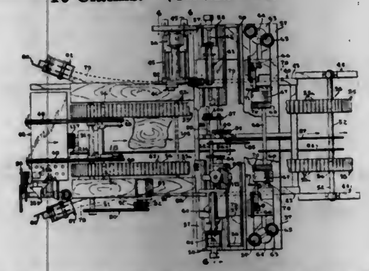
1. A vehicle brake assembly for a wheel spindle having a flange or shoulder adjacent its inner end, a wheel hub on said spindle and having the usual wheel supporting flange adjacent its outer end, a brake housing axially mounted over said spindle and hub and removably secured to the outer side of said spindle flange, the outer wall of said housing being closely adjacent said hub flange and having an oil seal around said hub so as to form a sealed oil chamber around said hub and said spindle, a brake completely enclosed by said housing and comprising axially mounted co-operating pressure plates and friction discs operatively connected between said housing and said hub, and means on said housing for controlling said brake, said housing, said brake and brake controlling means, and said hub being mountable on said spindle, and demountable therefrom as an assembled unit by axial movement.

2,260,190
SPRING CLIP CONNECTION FOR SPRING SEAT STRUCTURES
William H. Neely, Cleveland, Ohio, assignor, by direct and mesne assignments, to John C. Lincoln, Scottsdale, Ariz.
Application December 22, 1938, Serial No. 247,234
5 Claims. (Cl. 155—179)



5. In a spring seat structure wire spring members arranged crosswise of a frame, each of said springs including a sinuously shaped seating portion and inclined supporting means for said seating portion, an edge wire at the front edges of the seating portions of said springs, and V-shaped means for attaching said edge wire to said seating portions, each of said attaching means having in its central portion an oblong seat receiving the end wire of the seating portion of a spring and the said edge wire, and arms integrally extended from said oblong seat and coupled with the wire of a seating portion and the inclined supporting means for said portion, said attaching means having inherent elasticity and being forcibly interengaged with said seating portion and its inclined supporting means to effect initial resistance in said spring against change of the angular relationship between the seating portion and the inclined supporting means of said spring.

2,260,191
MACHINE AND METHOD FOR MANUFACTURING BAGS
Howard H. Orr, Cleveland, Ohio, assignor to The Jaite Company, Jaite, Ohio, a corporation of Ohio
Application May 3, 1938, Serial No. 205,771
10 Claims. (Cl. 112—10)



1. A method of manufacturing bags from flat tubular bag stock, comprising: folding a strip of flexible material over the end thereof, sewing said strip to a part of said bag end by a row of stitches extending continuously through said strip entirely across said bag end, and offsetting said row of strip stitches for a part of the distance along the bag end in such a manner that such stitches extend through the strip only beyond the bag end near the strip fold, thereby providing an initially unsecured strip portion overlying the bag end, for the purposes described.

3. In a machine for making bags from flat tubular bag-length stock, conveyor means for conveying a series of bags through said machine, means for driving said conveyor means, stitching means for sewing a folded over strip of material to the top bag margins, and means also driven by said driving means for causing a relative movement between each bag and said stitching means as each bag is advanced by said conveyor means to cause said stitching means to sew said strip to the top of each bag from one side wall partially across the bag end and from there to sew through said strip only beyond the top bag margin to the opposite side thereof, thereby providing an initially unattached strip portion permitting a bag filling operation.

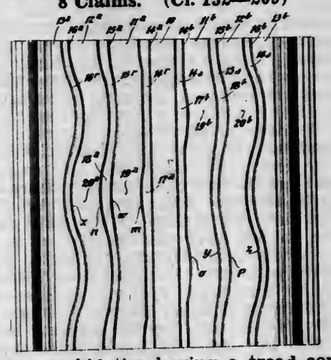
2,260,192
CONTAINER AND BAG
Howard H. Orr, Cleveland, Ohio, assignor to The Jaite Company, Jaite, Ohio, a corporation of Ohio
Original application May 3, 1938, Serial No. 205,771. Divided and this application January 9, 1939, Serial No. 249,918
2 Claims. (Cl. 229—62)

1. A bag comprising a flat tubular body, including a top end, a strip of material extending along and folded over the top margin thereof along the fold line and extending from one side margin to the opposite side margin with the top margins of the bag in contact with said fold line, a row of stitches extending through said folded over strip and said bag walls along a line spaced from said fold line and extending from one side margin of the bag partially across the top thereof, thereby constituting a permanent material-containing and holding seam, said row of stitches at said point being offset upwardly



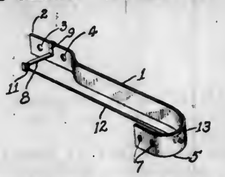
and continuing along the strip closely adjacent the fold line thereof to the opposite margin of the bag and arranged in such manner as to lie wholly beyond the top bag margin, thereby providing an initially unattached strip portion adapted to be moved away from the top bag margin to permit a bag filling operation and to be secured to the unstitched portion of the bag top after the bag is filled, for the purposes described.

2,260,193
NONSKID TIRE
Max C. Overman, New York, N. Y., assignor, by mesne assignments, to M. C. O. Corporation, New York, N. Y., a corporation of Delaware
Application September 17, 1938, Serial No. 230,355
8 Claims. (Cl. 152—209)



3. A non-skid tire having a tread comprising two groups of serpentine load bearing ribs of differing curvature arranged so that the ribs with the greatest degree of curvature are spaced furthest from the median line of the tire to give increased traction under increased loads.

2,260,194
CURTAIN HOLDER
Samuel L. Pidot, Chicago, Ill.
Application March 15, 1939, Serial No. 261,906
13 Claims. (Cl. 156—33)



1. A drapery tie back comprising a rigid member adapted to be secured at one end only to a window casing, a pointed rod for penetrating the gathered folds of a drapery and means for de-

tachably supporting said rod upon the unsupported end of said member with the rod extending generally parallel to said member, whereby the gathered folds may be placed in the desired ultimate position and pierced by the rod before the rod is attached to the holder.

2,260,195
CHIME RINGER
Maurice Rich, Jr., Clinton, Iowa, assignor to Rich Manufacturing Company, Clinton, Iowa, a corporation of Illinois
Application February 17, 1941, Serial No. 379,225
2 Claims. (Cl. 84—404)



1. A ringer in which is comprised a box mounting a pair of chimes exteriorly upon opposite walls thereof, a plate supported interiorly of the box upon a wall intermediately of those whereon the chimes are mounted, the plate being provided with a pair of outstanding apertured spaced ears forming bearings, a mallet device having a transverse opening therethrough slidably mounted within the bearings and movable alternately toward and from the two chimes, there being sound openings in the box sides adjacent the chimes through which the mallet device may pass to strike the chimes upon the exterior of the box sides, a resilient arm pivotally connected at one end with the plate and extending away therefrom through the transverse opening in the mallet device and freely slidable therein to impart reciprocatory movements thereto, a spring in connection with the arm adapted to swing the arm in one direction, a manually operated device in connection with the arm adapted to swing the arm in the opposite direction counter to the tension of the spring, and a second pair of ears positioned relatively remote from the free end of the arm on opposite sides thereof adapted to afford spaced stops for limiting the swinging movements of the arm, the latter being yieldable upon engagement with either stop to permit the mallet device to advance a further distance, the chimes being so positioned relatively to the limits of the mallet strokes in both directions as to be successively struck by the mallet device in response to yielding movements of the arm past the stops.

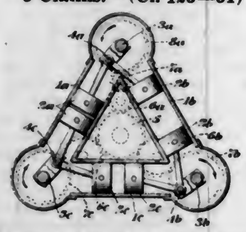
2,260,196
SIDING
Benjamin Ralph Rugen, Ferguson, Mo., assignor to The Ruberoid Co., New York, N. Y., a corporation of New Jersey
Application March 10, 1941, Serial No. 382,501
4 Claims. (Cl. 20—5)

1. A siding element of asbestos-cement or like material comprising a substantially flat body portion having a plurality of upwardly offset and downwardly inclined projections of brick-like form spaced apart along its lower edge, the lower



surface of said projections being non-parallel with the lower surface of the body portion.

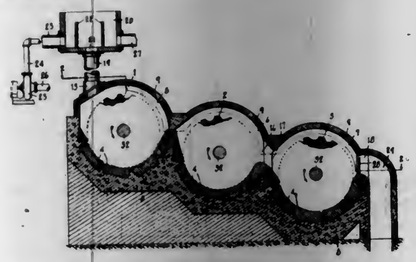
2,260,197
INTERNAL COMBUSTION ENGINE
Roger Adolphe Leonard Seligman, Neuilly-sur-Seine, France
Application May 1, 1940, Serial No. 332,829
In France June 2, 1939
5 Claims. (Cl. 123—51)



2. A multi-cylinder internal combustion engine, comprising three longitudinal rows of cylinders, which are so arranged that the geometrical axes of the cylinders of said three rows form, in transverse section, an equilateral triangle, two oppositely located pistons in each of said cylinders, a crankshaft mounted at each of the apices of said triangle, the geometrical axis of a cylinder of one row being arranged in the same transverse plane as the two corresponding cylinders, said engine thus comprising a plurality of transverse groups of three cylinders, a crank-pin mounted on each of the crankshafts of each of said groups, means for operatively connecting each of said crank-pins to the two pistons respectively operating in the ends of the two cylinders adjacent the corresponding crankshaft, and means for causing one of the three crankshafts to rotate in the opposite direction to the other two, the two crank-pins of the other two crankshafts being respectively set a certain angle forwards and backwards relatively to the crank-pin of said oppositely rotating crankshaft.

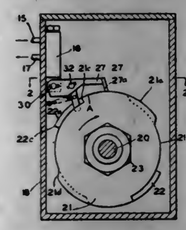
2,260,198
PAPER STOCK HYDRATOR
Charles W. Smith, North Muskegon, Mich.
Application February 21, 1936, Serial No. 65,029
8 Claims. (Cl. 92—24)

5. The method of hydrating and beating stock comprising feeding the stock under pressure to a revolving beater roll and a bed plate, causing the stock to pass helically around and along the roll whereby it passes between the roll and the bed plate a plurality of times, feeding the stock still under pressure directly to a second revolving beater roll and a second bed plate, causing the stock to pass helically around and along said second roll whereby it passes between said second roll and bed plates a plurality of times, controlling the rate of passage of said stock along said first roll by controlling the rate of rotation of said second roll.



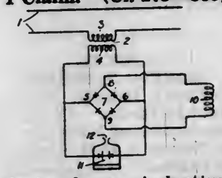
8. In an apparatus for beating and hydrating pulp stock, the combination of a beater roll with fixed stock engaging surfaces mounted for rotation and for vertical movement, a bed plate embracing an arc of the bottom half of the roll of an area sufficient that when high consistency stock under pressure is positively forced between the plate and the roll during rotation of the roll, the roll will be raised from the bed plate and will float on the stock between the roll and the bed plate, means for rotating the roll, and means for controlling the force exerted by the roll in opposition to the floating thereof on stock between the roll and the bed plate and means for forcing a stock under pressure between said roll and said bed plate.

2,260,199
CYCLE CONTROLLER
Archibald F. Sinclair and John E. Collins, Akron, Ohio, assignors to The Sinclair-Collins Valve Co., Akron, Ohio, a corporation of Ohio
Application October 4, 1939, Serial No. 297,886
6 Claims. (Cl. 74—97)



1. In a time-cycle controller, a control member, cam means having two cam tracks, a follower engaging each track, each track having a substantially radially inclined portion providing instantaneous drop of its follower as it travels along said track, and an operative connection between said followers and said member for producing actuating movement of said member by relative motion between said followers during operation thereof.

2,260,200
INDUCTIVE LOAD CIRCUIT SUPPLIED WITH RECTIFIED ALTERNATING ELECTRIC CURRENT
Sydney Arthur Stevens, King's Cross, London, England, assignor, by mesne assignments, to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application March 8, 1940, Serial No. 322,989
In Great Britain June 20, 1939
1 Claim. (Cl. 175—363)

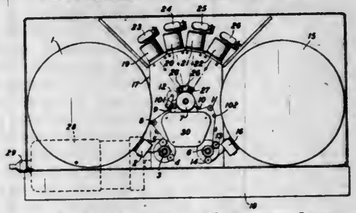


A safety device for an inductive load circuit supplied from an alternating current source through a main rectifier, said device consisting of a pair of relatively small dry surface contact rectifier units connected in series in a direction to oppose one another across the input terminals of said main rectifier, said rectifier units being adapted to break down so as to become electrically conductive under an impressed voltage from said source which is substantially less than that required to break down said main rectifier, a mounting for said rectifier units which renders said safety device readily removable, and means effective when said safety device is removed for causing said main rectifier to be automatically short-circuited, for the purpose specified.

2,260,201
SYNTHETIC COMPOST FOR MUSHROOM CULTURE
Benjamin B. Stoller, Coatesville, Pa., assignor to Louis F. Lambert, Coatesville, Pa.
No Drawing. Application June 8, 1939, Serial No. 278,076
8 Claims. (Cl. 71—5)

1. In the method of making and using synthetic composts for mushroom culture, the steps which consist in mixing fibrous material and source materials containing N, P_2O_5, and K_2O in the proportions relatively as follows: 12 to 20 lbs. N, 3 to 6 lbs. P_2O_5, 9 to 16 lbs. K_2O and one ton of fibrous material having a moisture content of 65% to 75%, composting 15 to 25 days, then placing in mushroom beds, sweating, cooling and inoculating with mushroom spawn.

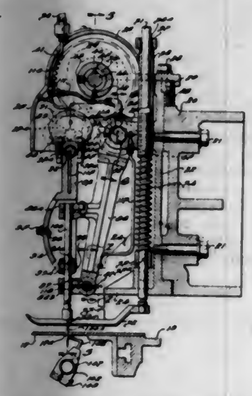
2,260,202
SOUND FILM RECORDING OR REPRODUCING DEVICE
Edward C. Wente, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 3, 1940, Serial No. 327,583
14 Claims. (Cl. 179—100.3)



1. In a device for recording sound on, or re-

producing sound from, a multiple track photographic film, a film support, a set of recording units, a set of reproducing units, means to interchangeably mount said sets of units in cooperative space relation with respect to said film support, a set of optical units cooperating with said set of recording units, a second set of optical units cooperating with said set of reproducing units, and means to interchangeably mount said sets of optical units in cooperative space relation in proximity to said film.

2,260,203
SEWING MACHINE
Eugene C. Zablocki, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application August 9, 1938, Serial No. 223,886
17 Claims. (Cl. 112—158)



1. In a sewing machine having a bed and a support extending transversely thereof, the combination of a vertically reciprocable needle bar adapted for adjustment lengthwise of said support, means for reciprocating said bar, a lever eccentrically mounted at its upper end and oscillatable about a fixed pivot located at its lower end at one side of the needle bar, gear means for oscillating said lever, and guide means carried by the lever for guiding the needle bar during its vertical movement and also for simultaneously oscillating said needle bar.

2,260,204
FISHING ROD HANDLE
William G. Balz and Earle D. Clickner, Kalamazoo, Mich., assignors to Shakespeare Company, Kalamazoo, Mich., a corporation of Michigan
Application September 5, 1939, Serial No. 293,384
8 Claims. (Cl. 43—23)

1. A handle for a fishing rod having a relatively large rod-receiving recess therein adapted to receive rods of different diameters, a clamp non-rotatively disposed in said recess to engage a rod against a wall of the latter, a threaded adjusting member fixedly secured to said clamp whereby axial movement of the member shifts the clamp, said handle having a cylindrical opening therethrough in which said adjusting member is disposed, and a nut rotatably mounted in said cylindrical opening and left-hand-threaded internally to engage said threaded adjusting member, and a pin carried by said handle engaging an annular groove in said nut for restraining axial movement of said nut whereby



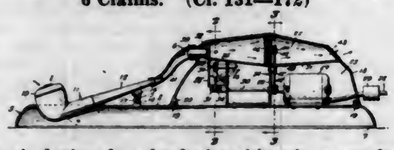
rotation thereof results in axial adjusting movement of the adjusting member.

2,260,205
VEHICLE TIRE
Anna Bayer and George A. Manning, New York, N. Y.
Application April 5, 1940, Serial No. 328,032
3 Claims. (Cl. 152—288)



1. In a device of the class described, an annular member formed of a closely coiled length of wire for insertion into a tire casing for resiliently holding the same in formation, said length of wire having its ends in line with each other and slightly spaced, a connector of helically coiled wire mounted in the ends of said annular member, said connector having its center coil extended parallel to the aligned ends of wire forming said annular member, and means for releasably attaching the ends of the wire forming said annular member to the center coil of said connector for supporting the last few turns of the wire forming said annular member, comprising headed elements mounted on the ends of the wire forming said annular member and extended through bayonet slots formed in the center coil of said connector and having their enlarged ends directed towards each other, and means engageable between ends of the wire forming said annular member for holding the ends spaced to prevent disengagement of the headed elements from said slots.

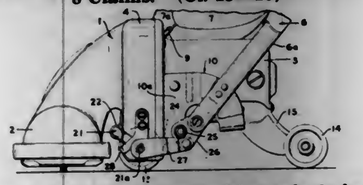
2,260,206
PIPE SEASONER AND REJUVENATOR
Santo Bellinghieri, Boston, Mass.
Application March 4, 1939, Serial No. 259,911
6 Claims. (Cl. 131—172)



1. A device for slowly breaking in a smoker's

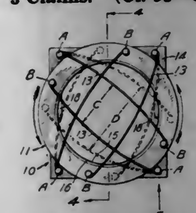
pipe comprising a housing having an inlet and an outlet port, means to couple a pipe stem to the inlet port of the housing, means to intermittently open and close the said inlet port, suction means located intermediate the said inlet and outlet ports adapted to draw air through the pipe when the said second mentioned means opens communication with the inlet port, and means for automatically interrupting the operation of the suction means and of the second mentioned means at regularly spaced intervals of time.

2,260,207
SUCTION CLEANER
Quentin Berg, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application November 18, 1939, Serial No. 305,047
8 Claims. (Cl. 15—16)



1. A suction cleaner comprising a body having a nozzle at its forward end, supporting wheels mounted adjacent opposite ends of said body with the foremost wheels offset from said nozzle and journalled upon crank arms for limited rocking movement relative to said body, a lever on said body rotative about an axis parallel with the axis of said crank arms, a handle having pivotal connection at its lower end with one arm of said lever, and a link connecting the other arm of said lever with said crank arms whereby the force exerted through said handle is transmitted to said crank arms to raise or lower the front wheels and thereby adjust the height of the nozzle to the character of the surface being cleaned.

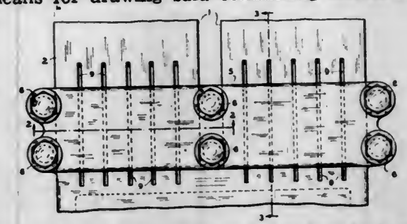
2,260,208
ADJUSTABLE FILTER HOLDER
Ladislav Boor, New Canaan, Conn.
Application May 10, 1940, Serial No. 334,334
3 Claims. (Cl. 95—81)



1. In combination, an article holder, a revoluble member mounted thereon, and a plurality of sets of springs, one end of each spring being supported by the holder and the other end of each of said springs being supported by the revoluble member, the wires of one of the sets of springs being interspaced by the wires of another set of springs.

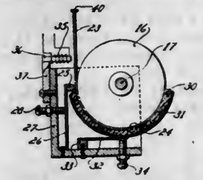
2,260,209
ELECTRICAL CONNECTION
John B. Borgadt, East Cleveland, Ohio
Application September 2, 1939, Serial No. 293,267
8 Claims. (Cl. 174—94)

5. An electrical connection comprising a transversely solid, metal conductor having a portion to be connected, a transversely continuous electrical conducting means having a contact face in contact with a face of said portion, clamping means for drawing said conducting means and



portion firmly into contact relation, and said conducting means having relatively narrow, deep grooves in its contact face extending generally lengthwise of the conductor and separating the contact face into contact face portions which are materially wider than the grooves.

2,260,210
VISUAL TIP FOR VIBRATING INDICATORS
Roland B. Bourne, West Hartford, Conn., assignor to The Maxim Silencer Company, Hartford, Conn., a corporation of Connecticut
Original application August 8, 1938, Serial No. 223,651. Divided and this application March 6, 1940, Serial No. 322,551
3 Claims. (Cl. 116—114)



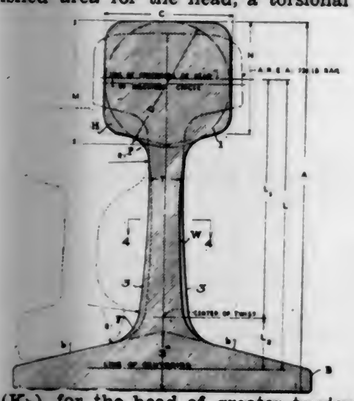
1. A continuously variable tuned ribbon-like reed having a visual tip for determining maximum amplitude of vibration of the reed, said tip being located in a plane substantially perpendicular to the plane of the reed ribbon and having sides converging substantially to a point in a direction at right angles to the direction of vibration imparted to the tip by the reed, and means to vary the natural period of vibration of the reed into resonance with an impressed force.

2,260,211
TORSION-RESISTING RAIL
George R. Burkhardt, Chicago, Ill.
Application April 10, 1940, Serial No. 328,971
13 Claims. (Cl. 238—125)

1. A rail comprising a base, web and head, provided at and within the head fillets with projecting fillets stiffening ribs and arranged to maintain a uniform cross-sectional thickness of the head fillet neck throughout the length of the rail.

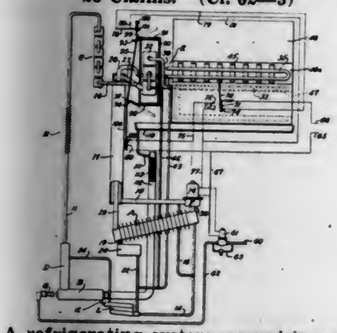
11. A railway rail comprising a pentagonal-shaped head, a web, a pentagonal-shaped base, base-web fillets at the junction of said base with said web and head-web fillets at the junction of said head with said web, said rail having a proportional distribution of metal throughout characterized by having at least 75% of the area of its head within a circle inscribed in the head tangent to the head web fillets and to the top of the rail, and having the minimum web thickness of at least one-fourth the head width and

not more than twice the radii of the head-web fillets to provide, as compared, e. g., with a Standard A. R. E. A. T-rail of approximately equal weight, an increased moment of inertia, diminished area for the head, a torsional con-



stant (K_h) for the head of greater torsion resisting capacity than that of said comparable A. R. E. A. Standard T-rail, and a torsional constant (K_f) for the head-web fillets at least 25% greater than the torsional constant of the head-web fillets of the said comparable T-rail.

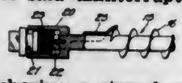
2,260,212
REFRIGERATION
Curtis C. Coons, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application July 20, 1938, Serial No. 220,184
28 Claims. (Cl. 62—5)



1. A refrigerating system comprising an evaporator having a box-cooling section, low temperature storage section, and an ice-freezing section all serially connected, means for supplying liquid refrigerant and a propelled stream of pressure equalizing medium to the lowest portion of said box-cooling evaporator section, the arrangement being such that the inert gas propels the liquid refrigerant through said evaporator sections serially.

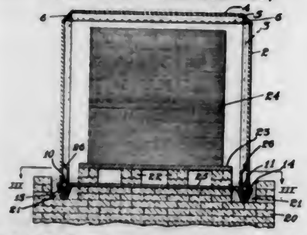
2,260,213
HAIR WAVING DEVICE
Alice Davis, Adams, Mass.
Application September 24, 1940, Serial No. 358,096
2 Claims. (Cl. 132—33)

2. A hair waving device comprising in combination a curling rod having a worm on its periphery, said worm stopping short of each end of the rod to leave an uninterrupted winding surface at each end of said worm, means adjacent each of said uninterrupted winding sur-



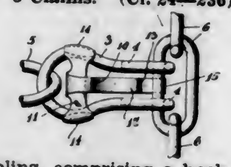
faces for anchoring a strand of hair, a frame rotatably supporting said rod, and means for selectively preventing rotation of said rod in either, but only one, direction.

2,260,214
ANNEALING BOX
Kenneth J. Deahl, Pittsburgh, Pa., assignor to Pittsburgh Annealing Box Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 8, 1940, Serial No. 351,847
3 Claims. (Cl. 263—49)



1. An annealing box open at its lower side, stiffening elements secured to the lower edges of the box and extending longitudinally thereof, and tie bars each having recessed ends for receiving the stiffening elements at opposite sides of the box, the said recesses and stiffening elements being of generally V-form in vertical cross section.

2,260,215
COUPLING DEVICE
John Shearman Donaldson, St. Albans, N. Y.
Application March 25, 1940, Serial No. 325,714
5 Claims. (Cl. 24—236)



1. A coupling, comprising a hook having twin hook ends extending from a looped shank, and a locking device having a part detachably attached to the shank of the hook and a forwardly extending spring finger shaped to provide at its forward end between the hook ends an abutment which in its normal position closes the hook opening and which has a stop piece extending from its lower end.

2,260,216
ADJUSTABLE SPLINT
Harry M. Doyle, Salt Lake City, Utah
Application March 12, 1941, Serial No. 383,034
2 Claims. (Cl. 128—85)

2. In a splint, a pair of opposed spaced side elements each formed of an upper and a lower member disposed in telescopic adjustable relation, a coupling element having reduced end terminal portions arranged between and in juxtaposition to the upper portions of the inner sides

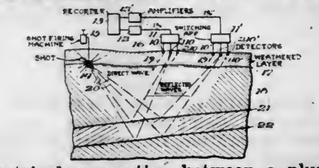
of said upper members, oppositely disposed means extending inwardly from the upper members in proximity to the upper ends of the latter and attached to said terminal portions for pivotally supporting said coupling element whereby the latter will couple said upper members together, each upper member having its lower terminal portion provided respectively with spaced slits lengthwise thereof opening at the lower end of the member and with tapered threads throughout its outer periphery, a slidable adjustable clamping sleeve disposed about the members of a side element for clamping an upper member to a lower member, said sleeve being formed on its inner face, intermediate its ends with an annular groove having an upper and a lower wall and above said upper wall with internal tapered threads re-



versely tapered with respect to and coacting with the threads on the upper member for clamping the upper member to a lower member, a split washer in said groove encompassing a lower member seated on said bottom wall and spaced from said upper wall, a pair of oppositely disposed semi-cylindrical shiftable clamps encompassing a lower member, said clamps being of angle form in vertical section each having a portion seated on the top of a washer, a portion opposing the said internal threads and abutting the lower end of an upper member, each pair of clamps providing for clamping the sleeve to a lower member when the sleeve is shifted to clamp an upper and lower member together in adjusted relation and for supporting the upper member, and means for coupling the lower ends of the lower members together in spaced relation.

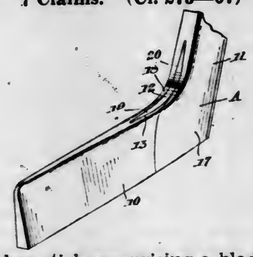
2,260,217
METHOD OF AND APPARATUS FOR SEISMOGRAPH PROSPECTING
Engelhardt A. Eckhardt, Pittsburgh, and Gary Muffly, Penn Township, Allegheny County, Pa., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application March 14, 1939, Serial No. 261,854
10 Claims. (Cl. 181—0.5)

1. In seismograph prospecting methods wherein the output of a plurality of seismic detectors is applied to a single recording element, the improvement which comprises locating a plural group of electric signal producing seismic wave detectors at spaced points in the earth, generating a seismic wave impulse at a point spaced from the group of detectors so as to cause propagation of seismic waves undergoing reflection and refraction in the earth, maintaining electrical connection between only one of said detectors and the recording element during the arrival of the first refracted wave at said detector and, before reflected waves arrive at the detectors, establish-



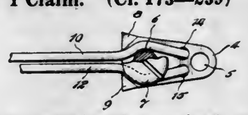
ing electrical connection between a plurality of the detectors and the recording element; whereby the first refracted wave is detected individually by a detector and the reflected waves are detected by a plurality of detectors.

2,260,218
HOCKEY STICK
Ernest Charles William Evernden, St. Johns, Quebec, Canada
Application December 26, 1939, Serial No. 311,052
7 Claims. (Cl. 273—67)



1. A hockey stick comprising a blade, a handle and an insert interposed between the blade and handle in the heel area of the stick, said blade and handle being formed to receive the insert between their sides, the blade embracing the lower portion of the insert, the handle embracing the upper portion of the insert and overlapping and embracing the portions of the blade which embrace the lower portion of the insert.

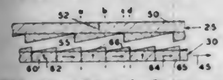
2,260,219
WIRE TERMINAL
Rowland F. Gates, Toronto, Ontario, Canada, assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn., a corporation of Connecticut
Application July 2, 1940, Serial No. 343,669
1 Claim. (Cl. 173—259)



An electric wire and terminal combination comprising a metallic terminal plate member having a screw-threaded hole therethrough, a screw threaded into said hole and having an enlarged head, and means to facilitate the connection of a conductor wire to said terminal plate comprising an aperture formed in said plate adjacent to but outside that area of said terminal plate which lies beneath said screw head, a conductor wire with a bared end inserted from the top of the plate into said aperture and having its shank bent around the shank of the screw, said terminal plate having a peripheral portion turned

up from the surface of the plate to form a shoulder against which the conductor wire lies, said shoulder being spaced from said aperture whereby said aperture and shoulder cooperate with the shank of the screw and engage the conductor at three points and hold it when the screw is tightened.

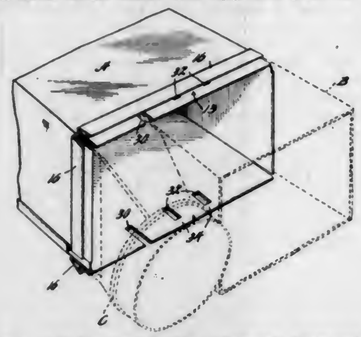
2,260,220
VARIABLE DENSITY WINDOW
Martin Grabau, Cambridge, Mass., assignor to Polaroid Corporation, Dover, Del., a corporation of Delaware
Application April 3, 1941, Serial No. 386,691
7 Claims. (Cl. 88—65)



1. A variable density window comprising, in combination, frame means providing a window aperture, a plurality of sheet-like, light-polarizing elements mounted in substantially parallel, superimposed relation within said frame and overlying said aperture, at least one of said elements being mounted for parallel, linear movement with respect to the other, one of said elements comprising a multiplicity of parallel strips of substantially uniform width comprising light-polarizing material, the transmission axes of adjacent strips being relatively perpendicular, a birefringent element positioned adjacent and substantially overlying that surface of each said strip which is adjacent the other polarizing element, each of said birefringent elements imparting to one component of a beam of polarized light incident thereon a relative retardation varying uniformly across the width thereof by an amount equal to an uneven number of half wavelengths, the other of said polarizing elements being of substantially uniform polarizing properties and positioned with its transmission axis respectively parallel and perpendicular to those of said polarizing strips, a multiplicity of birefringent elements positioned adjacent that surface of said polarizing element which is adjacent the other polarizing element, each of said second named birefringent elements being parallel to and of substantially twice the width of said first named birefringent elements and imparting to one component of a beam of polarized light incident thereon a relative retardation varying uniformly across the width thereof by an amount equal to twice the variation in said first named birefringent elements, the birefringent elements in each of said multiplicities having a principal vibration direction parallel to a corresponding principal vibration direction in the other elements in said multiplicity and at an angle of substantially 45° to the transmission axes of said polarizing elements, and means for moving said movably mounted element in a direction substantially at right angles to the length of said strip elements.

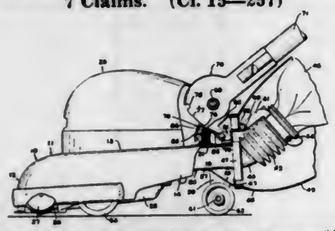
2,260,221
DUCT JOINT CONSTRUCTION
William H. Gray, Rochester, N. Y., assignor to Gray Metal Products, Inc., Rochester, N. Y., a corporation of New York
Application May 25, 1940, Serial No. 337,274
2 Claims. (Cl. 285—201)

1. An open-ended sheet metal conduit section of rectilinear configuration in cross section, the walls of said section each having a reverse bend at its edge portion providing an outer locking cleat and an inner double wall reinforced edge portion, said cleats and edge portions forming therebetween pockets adapted to receive therein the walls of adjacent conductor sections in an assembly installation, there being a pair of opposed slots in at least one opposed pair of walls



in the reinforced edge portions thereof and spaced inwardly from the edges of said walls by a bridge portion adapted to be cut away prior to the assembly operation to form open-ended notches adapted to receive therein the corners of the adjacent conductor sections.

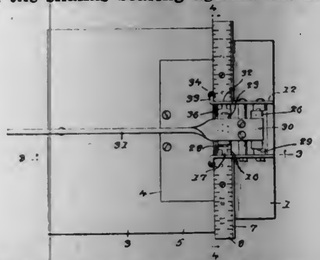
2,260,222
SUCTION CLEANER
Paul T. Hahn, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application May 22, 1939, Serial No. 274,907
7 Claims. (Cl. 15—257)



1. An article of manufacture for supporting elements of a suction cleaner comprising, a body having a flanged opening for attachment to the exhaust passageway of the suction cleaner, means projecting integrally from said body for supporting means carrying a bag connectible to the exhaust passageway, a bag flange integral with said body for attachment to another bag, wheel bracket means integral with said body for carrying suction cleaner wheels, handle bracket means integral with said body to support the cleaner handle, and means integral with said body for supporting handle control means.

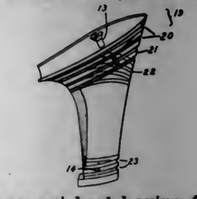
2,260,223
PUNCHING MACHINE
Charles E. Harper, Waycross, Ga.
Application June 6, 1941, Serial No. 396,932
5 Claims. (Cl. 164—91)

1. A punching machine comprising a table for receiving material to be perforated, a frame fixed to and rising from the rear portion of the table and including spaced parallel upright walls, bars secured to the walls and providing guide grooves along the height thereof, an inverted substantially U-shaped blade carrier providing a bight portion and arms depending therefrom, blades including shanks secured to the arms and together with the shanks being mounted for slidable movement in the grooves, abutment means having the shanks bearing against the same and



being fixed to the arms, said blades having penetrating lower ends, means connected to the frame and the carrier for urging and holding the blades to and in a normal elevated position, and handled means connected to the bight portion of the carrier for lowering the blades to penetrating position.

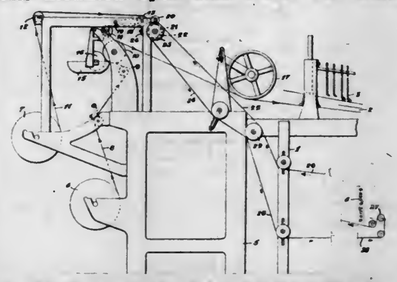
2,260,224
TRANSPARENT HEEL
William J. Hubbard, Jr., Herkimer, N. Y.
Application September 5, 1940, Serial No. 355,500
5 Claims. (Cl. 36—34)



1. A transparent heel having fastening means projecting into its shoe-engaging end for fastening the heel to a shoe, said heel having a series of grooves projecting into its surface along its sides and rear in a zone near its shoe-engaging end for the purpose of drawing the attention of the observer to such grooves and the refractions and reflections thereof and away from the sight of the heel-holding means.

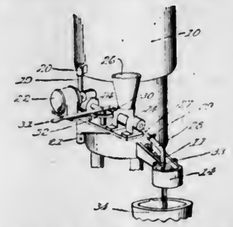
2,260,225
APPARATUS FOR MANUFACTURING DUPLEX BAGS
Louie C. Kimple, Dallas, Tex., assignor to Dixie Wax Paper Company, Dallas, Tex., a corporation of Texas
Application May 5, 1939, Serial No. 272,002
11 Claims. (Cl. 93—8)

10. An attachment for bag-forming machines comprising a supporting frame, means for separately mounting a pair of paper rolls upon said frame, guide means mounted upon said frame whereby the paper webs from said rolls may travel thereover, a movable frame, means for pivotally connecting one end of said movable frame to said supporting frame, a platen cylinder journalled within said movable frame over which passes one of said paper webs, a roller journalled within the opposite end of said movable frame, a cam rotatably mounted upon said supporting frame and upon the periphery of which rides said roller, a stationary cutting knife, means for rotating said cam whereby the paper web passing over said platen cylinder will at times be moved into engagement with said knife for forming perforations therein as it passes over said platen cylinder, means for applying paste to the other of said paper webs and means mounted upon said frame for causing



said paper webs to be brought into direct contact with one another whereby the paste upon one of said webs will be applied to the other of said webs and the paste caused to exude through the perforations formed within one of said webs.

2,260,226
METHOD AND MEANS FOR INTRODUCING ALLOYING MATERIAL
John S. Kirkham, Waterloo, New South Wales, Australia, assignor to Mechanite Metal Corporation, Pittsburgh, Pa., a corporation of Tennessee
Application December 31, 1940, Serial No. 372,660
2 Claims. (Cl. 75—122)

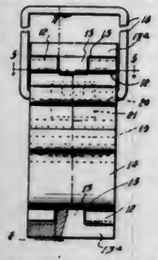


1. The method of introducing powdered alloying metal into molten metal which comprises flowing molten metal in a stream from a furnace to a ladle, forming in said stream a vortex on a vertical swirling axis from which axis the stream falls to the ladle, and dropping the alloying metal directly onto the surface of the molten metal substantially at the axis of the vortex.

2,260,227
KEYLESS BRAKE SHOE
Joseph J. McGuire, Jessup, Pa.
Application June 13, 1940, Serial No. 340,386
4 Claims. (Cl. 188—242)

1. Apparatus of the class described comprising a brake shoe, said shoe having projections at opposite ends thereof, retaining lugs on opposite sides of said projections integral with the shoe, a head having bifurcated ends interfitted with said projections and retained by said lugs, said shoe having a rib, said head having a notch for engagement by a suspending link, said notch being closed by said rib, ribs on said head engaging opposite sides of the first mentioned rib, a second notch on the head engageable by a link, filler means closing the second notch located be-

tween the head and shoe, and interengaging means between the head and filler means main-



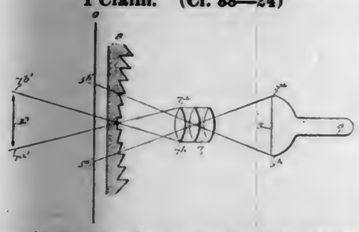
taining the filler means in place by the pressure of the head.

2,260,228

MEANS FOR PROJECTING IMAGES

Rolf Möller, Berlin-Zehlendorf, Erich Schwartz, Berlin-Lichterfelde, and Georg Jaeckel, Berlin-Neukölln, Germany, assignors to the firm Fernseh Aktiengesellschaft, Zehlendorf, near Berlin, Germany

Application April 21, 1938, Serial No. 203,426
In Germany April 21, 1937
1 Claim. (Cl. 88—24)



A projection system comprising a transparent viewing screen, means for projecting onto said screen an image of a subject, and means for concentrating substantially within a rectangular area of a viewing plane the light energy of said image comprising a viewing screen, and a Fresnel lens for concentrating the light energy of the projected image within a circular area of said viewing plane, said viewing screen comprising a plurality of vertically positioned cylindrical lenses for spreading along the horizontal axis of said viewing plane the concentration of light energy effected by said Fresnel lens.

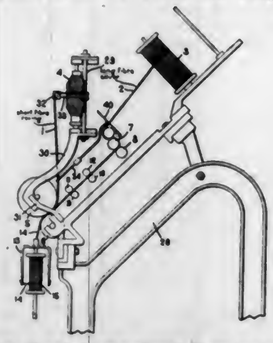
2,260,229

METHOD OF SPINNING SINGLE PLY YARN COMPRISING A BLEND OF RELATIVELY LONG FIBERS AND RELATIVELY SHORT FIBERS

Frank Everett Nutter and Ernest I. Spence, Sanford, Maine, assignors to Goodall Worsted Company, Sanford, Maine, a corporation of Maine

Application November 20, 1940, Serial No. 366,356
3 Claims. (Cl. 57—156)

1. The method of producing a yarn comprising a blend of relatively long fibers and relatively short fibers, which consists of (1) forming in usual way a roving of relatively short fiber which is in condition to be spun into a yarn on a spinning machine, (2) forming in usual way a finisher sliver of the relatively long fiber which is in sliver form but is ready for the final drawing operation to reduce it into a roving ready for the spinning operation, (3) drafting the finisher sliver of relatively long fibers to reduce it to roving form, (4) loosely twisting together said drafted sliver or relatively long fiber and



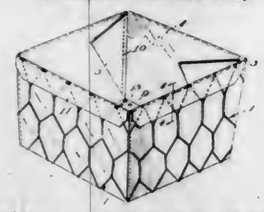
the roving of relatively short fiber to form a composite roving, and (5) then spinning said composite roving into a single ply yarn.

2,260,230

CONTAINER

Adrian A. Olson, St. Paul, Minn.

Application August 16, 1939, Serial No. 290,477
1 Claim. (Cl. 206—44)



A container for holding and displaying fruit, berries and the like, comprising a body formed from wire mesh material to provide bottom and upright walls and an open top, a continuous wire frame about the open top and having the strands of the interstices of the body fixed thereto, a lining formed from a single blank of transparent sheet material folded to provide a bottom wall, upright wall portions and corner tongues, said tongues being secured to the inner faces of the upright wall portions for holding the lining in folded position, said lining being shaped to fit and disposed within said body, flaps formed on the upper ends of the upright wall portions and disposed about the frame, said flaps being secured to the outer faces of the upright wall portions for securing the lining to the body, and said lining having drain openings therein.

2,260,231

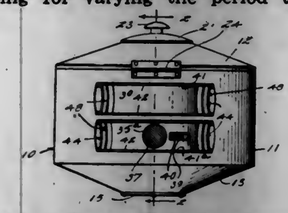
TRAFFIC SIGNAL

James H. Parker, Jr., Blossvale, N. Y.

Application August 8, 1940, Serial No. 351,827
5 Claims. (Cl. 116—63)

1. A traffic signal comprising a casing having openings in the sides thereof, an opaque rotating member mounted in said casing, means for revolving said member at a uniform speed, said member being provided with a plurality of spaced colored transparent portions disposed to aline with certain of the openings of said casing during each revolution of said member, means for illuminating the interior of said member, and

means for adjusting the size of the openings of said casing for varying the period that said



transparent portions will be in communication therewith.

2,260,232

WRITING MACHINE

Valentine James Phillips, Johnstown, Pa.

Application September 1, 1938, Serial No. 228,033
3 Claims. (Cl. 197—194)



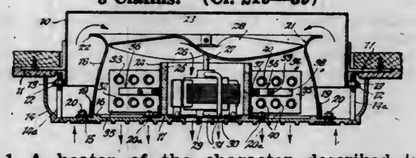
1. In a typewriting machine or the like, means for determining the margins on opposite sides of the body of typed matter impressed on a sheet passed through the machine in the typing operation, said means comprising a main scale of a length corresponding to the maximum length of typed line capacity of the machine, said scale being divided at its middle with a zero indication at the line of division and being subdivided on opposite sides of such line in like equal sections numbered progressively in opposite directions from the zero indication in multiples of individual indicated spaces therein each corresponding to a typing space, an auxiliary ratio scale fixedly mounted adjacent and parallel with and in direct readable correlation to said main scale at one side of the medial zero line of division and being divided into sections in the ratio of 2 to 1 with respect to the several divisions of the main scale, said auxiliary scale terminating with its outer end laterally coincident with the adjacent end of the main scale and having its cardinal lines of division coincidently alined alternately with the cardinal lines and intermediate sub-cardinal lines of said main scale, the cardinal lines of said auxiliary scale being marked progressively with multiple numbers double the numbers which apply directly to the coordinated lines of division, both cardinal and sub-cardinal, on the main scale, a pair of opposed stop members mounted for movement in a plane parallel with the main scale and being respectively located equidistant on opposite sides of the medial zero line of division of said scale and having a stoppage element of the machine projected therebetween for intercontact therewith to limit the operative travel of the carriage of the machine in opposite directions, said stop members each having a pointer extended in the same indicating relation to said main scale and the stop member at the side of the zero line of the main scale where the auxiliary ratio scale is provided having a coordinated auxiliary pointer alined with and extended beyond its pointer which is in indicating relation to the main scale and into indicating relation to said auxiliary ratio scale whereby to indicate on the latter the sum of the indications of the first mentioned pointers of the two stop members on the main scale, and means for simultaneously moving said stop members in equalized relation toward and from each other and for holding them in set position.

2,260,233

ELECTRIC HEATER

Duane L. Ripley, Buffalo, N. Y., assignor to Markel Electric Products, Inc., Buffalo, N. Y., a corporation of New York

Application February 23, 1940, Serial No. 320,335
3 Claims. (Cl. 219—39)



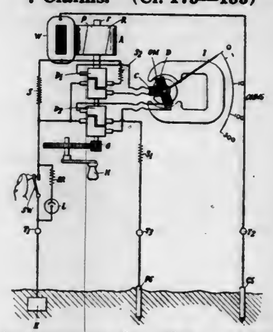
1. A heater of the character described including a casing, a grill which is adapted to be supported in front of said casing, inner and outer annular coaxially arranged shells which are mounted upon the back of said grill and which extend into said casing, said outer shell being of greater length than said inner shell and tapering in the direction of said casing to a reduced neck portion which terminates in an outwardly flaring lip, said grill being formed with air inlet and outlet openings, the former being located outside the area delimited by said outer shell and the latter being located within said area, a heating element supported between said shells, a motor mounted in said inner shell and a fan which is driven by said motor, said fan being located outside said inner shell and within the reduced neck portion of said outer shell and being operative to draw air into the casing through the inlet openings in said grill, a part of said air being forced between said inner and outer shells so that it is heated by said element and a part being forced through said inner shell to cool said motor.

2,260,234

INSTRUMENT FOR MEASUREMENT OF ELECTRICAL RESISTANCE

George Berkeley Rolfe, Chiswick, London, England, assignor to Evershed & Vignoles Limited, Chiswick, London, England, a British company

Application May 12, 1941, Serial No. 393,121
In Great Britain July 27, 1940
7 Claims. (Cl. 175—183)



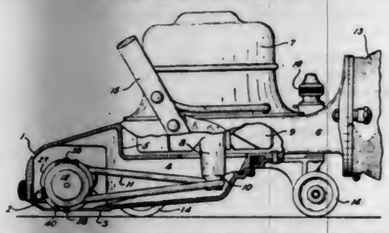
1. An instrument for the measurement of electrical resistance comprising, an alternating current generator for providing testing current to flow in the resistance under test, a resistor of standard resistance connected to said generator

to receive a current proportional to the testing current, a ratiometer measuring instrument, a pair of mechanical rectifiers operatively connected to be driven in step with said generator, connections for applying respectively the potential across the resistance under test, and the potential across said resistor to said rectifiers, and connections for applying the rectified potentials from said rectifiers to the coils of said ratiometer measuring instrument.

2,260,235
SUCTION CLEANER

Donald G. Smellie, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application December 17, 1938, Serial No. 246,327
25 Claims. (Cl. 15—6)



1. In a rotary agitator for a suction cleaner, an agitating element subject to wear in use, means adjustably positioning said element for rotation about an axis with a fixed radial extension, and means automatically operative upon a decrease in radial extension of said element by wear during rotation to actuate said positioning means to move said element radially to compensate therefor.

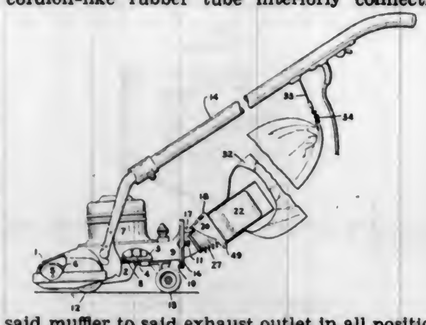
25. In a suction cleaner, a nozzle, a suction-creating means connected to said nozzle, an agitator rotatably mounted in said nozzle and including an agitating element subject to wear, means supporting said element for rotation and for radial adjustment, a force-receiving element extended in sufficient proximity to said agitating element to be protected thereby from moving contact with a surface covering lifted into contact with said agitator by the nozzle suction with said element extended to its optimum radial extension but being adapted to receive a moving force from said covering with said element extended to a lesser radial extension, and means to transmit a force from said force-receiving element to said supporting means to effect adjustment of the latter to move said agitating element to its optimum radial extension.

2,260,236
SUCTION CLEANER

Donald G. Smellie, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application December 13, 1939, Serial No. 308,914
13 Claims. (Cl. 15—16)

1. In a suction cleaner comprising a body formed with an exhaust outlet and suction-creating means to exhaust dirt-laden air through said outlet, a handle pivotally connected to said body, a dirt-filtering bag supported at its upper end from said handle and formed at its lower end with a reduced neck portion, a sound-absorbing muffler detachably seating said bag, rigid means pivotally mounting said muffler to said exhaust outlet about an horizontal axis fixed relative to the cleaner body to enable said muffler to move relative to said body under forces transmitted through said bag from the handle, and means including an expansible-contractable accordion-like rubber tube interiorly connecting



said muffler to said exhaust outlet in all positions of the former.

2,260,237
SUCTION CLEANER

Maurice D. Stahl, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application April 8, 1939, Serial No. 266,721
8 Claims. (Cl. 183—36)

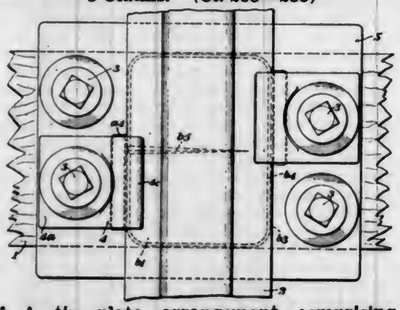


1. In a suction cleaner, the combination with suction-creating means including a fan chamber having a passage leading to the exhaust outlet therefrom, of a muffler comprising a tubular member of sound-absorbing material and adapted to be attached at said exhaust outlet with a portion of its length extending into said passage to form a sound-reducing lining therefor.

2,260,238
TIE PLATE ARRANGEMENT FOR RAILROADS

Theodore W. Stedman, New York, N. Y.

Application February 3, 1939, Serial No. 254,374
3 Claims. (Cl. 238—283)



1. A tie plate arrangement comprising a cushion section of rubber-like material adapted to form a seat for the base of a railroad rail, and a deflection groove extending downwardly into said cushion section and being adapted to be disposed transversely of said rail, said groove having maximum depth at the inside of said rail and the groove depth gradually decreasing toward the outside of said rail.

2,260,239
MANUFACTURE OF MELAMINE-ALDEHYDE CONDENSATION PRODUCTS

William F. Talbot, Framingham, Mass., assignor, by mesne assignments, to Monsanto Chemical Company, a corporation of Delaware

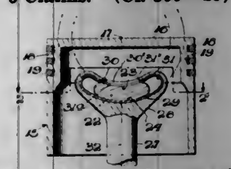
No Drawing. Application December 12, 1936, Serial No. 115,632
18 Claims. (Cl. 260—72)

1. The condensation product of melamine and an aldehyde wherein the melamine and aldehyde are reacted in a molecular ratio within the range of about 1 mol of melamine to not less than 2.7 and not more than 8.8 mols of aldehyde which is fusible and is capable of setting under the influence of heat to a hard, shock resistant, infusible and water insoluble solid.

2,260,240
PISTON AND CONNECTING ROD CONSTRUCTION

George H. Taylor, Norfolk, Va., assignor to Metallic Tag Company, Inc., Richmond, Va., a corporation of Virginia

Application August 16, 1938, Serial No. 225,231
6 Claims. (Cl. 309—19)

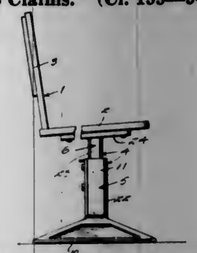


1. A piston, a segmental connecting element secured to the piston and having oppositely arranged outer concentric concave and convex contact faces, a connecting rod, and a head carried by the connecting rod and having a segmental recess formed therein to receive the connecting element, said recess having oppositely arranged inner concentric concave and convex contact faces for coaction with the first named contact faces.

2,260,241
PEDESTAL BASE STRUCTURE

William J. Bargen, Waukegan, Ill.

Original application April 27, 1937, Serial No. 139,316. Divided and this application January 4, 1939, Serial No. 249,317
5 Claims. (Cl. 155—94)



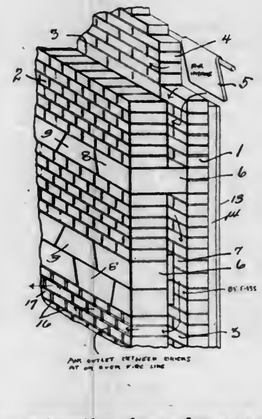
4. In a pedestal base structure, a telescopic

upper vertically adjustable section consisting of a tubular post merging at its upper end into a head for connection to the object which is to be supported from the structure, said post being of polygonal contour in cross section and having a rear wall, a front wall, a pair of side walls, inclined forward flat corners connecting the front wall to said side walls, inclined rear flat corners connecting the rear wall to said side walls, said rear wall being slitted from end to end and having its inner face formed with toothed racks bordering the edges of said slit.

2,260,242
FURNACE BLOCK, ARCH, AND WALL

Ray W. Bell, Hot Springs, Ark., assignor to Bel-Ray, Incorporated, a company of Illinois

Application December 30, 1937, Serial No. 182,623
1 Claim. (Cl. 110—75)



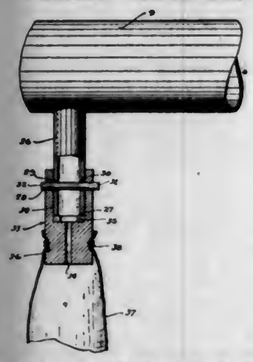
A wall construction for a furnace combustion chamber of the character described comprising an inner wall of refractory material and an outer wall with a substantial space therebetween, end, top and bottom walls closing said space, an intake opening into the upper portion of said space from the exterior of the furnace, an opening in the lower portion of the inner wall directly into the combustion chamber whereby suction from the combustion chamber will draw air downwardly from said intake opening into the combustion chamber, and means for yieldably anchoring said inner wall to the outer wall at intervals throughout their height to permit relative expansion and contraction therebetween, said anchoring means comprising substantially horizontal layers of blocks of refractory material forming portions of the inner wall and extending across said space, each block having beveled edges, each block being larger than the units of refractory material forming the inner wall and each layer of blocks contacting the end wall opposite to the end wall contacted by the next adjacent layer above and below so as to form a circuitous passageway for air from said intake opening to said combustion chamber, each horizontal layer of blocks supporting a section of the inner wall to provide for independent repair or replacement thereof, and anchors in the outer wall yieldably holding said layers of blocks, said last named anchors being exteriorly accessible from the outer wall and adjustable to maintain the walls in alignment.

2,260,243
HEAT TRANSFER EQUIPMENT OF THE TUBE AND HEADER COIL TYPE
John W. Throckmorton, Wilton, Conn., assignor to Petro-Chem Development Company, New York, N. Y., a corporation of Delaware
Application October 17, 1940, Serial No. 361,516
1 Claim. (Cl. 285—20)



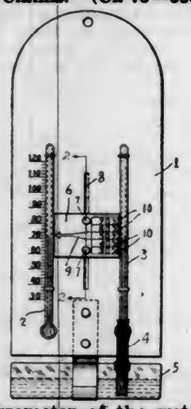
In a heat transfer coil of the type set forth, wherein a pair of tubes are interconnected, a substantially U-shaped tubular header for interconnecting the tubes, one leg of the header being of a length greater than that of the other and extending outwardly beyond the curve of the header for a distance sufficient for having a rolled joint connection with one of the tubes, and the other and shorter leg terminating at its inner end intermediate the ends of the first leg and closely adjacent to the curve of the header and being welded to the other tube, said header having a single access opening in alinement with the first mentioned tube whereby to lessen the material at the welded end of the header and thereby provide closer centering of the connected tubes, and increase of the mass velocity of the heating elements.

2,260,244
CASING DRYING MEANS
Charles T. Walter, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Original application November 21, 1936, Serial No. 112,178, now Patent No. 2,148,885, dated February 28, 1939. Divided and this application August 24, 1938, Serial No. 226,512
7 Claims. (Cl. 34—104)



1. In a natural casing drying apparatus a source of constant air pressure, an air manifold connected therewith, which manifold is provided with auxiliary headers, control valves at each of said auxiliary headers, a plurality of nozzles in each of said auxiliary headers, said nozzles having an air outlet therein and means for securing the open ends of the casings over the nozzles.

2,260,245
HYGROMETER
Ralph C. Wappner, Springfield, Ohio, assignor of one-half to John L. Chaney, Springfield, Ohio
Application May 15, 1939, Serial No. 273,615
2 Claims. (Cl. 73—338)

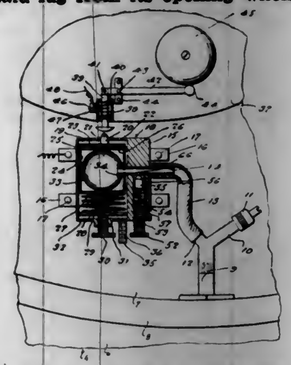


1. In a hygrometer of the wet and dry bulb type, a supporting base, a pair of wet and dry bulbs and their tubes stationarily mounted on said base in spaced apart relation, said wet bulb and its tube being constructed separately and independently of said dry bulb and its tube, whereby either the liquid or the bore in one tube may be of a different character from either the liquid or the bore in the other tube; a single movable indicating member slidably mounted on said base between and extending to the tubes of said wet and dry bulbs, said indicating member having on one side thereof a single indicating mark adapted to register with the reading of the dry bulb thermometer and having on the other side thereof a plurality of humidity indicating indicia any one of which may register with the reading of the wet bulb tube to indicate relative humidity.

2,260,246
UNDERINFLATION AND OVERINFLATION TIRE SIGNAL
George T. Woodruff and Ira B. Jones, Decatur, Ala.
Application April 14, 1938, Serial No. 202,098
6 Claims. (Cl. 137—156)

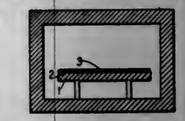
1. A device of the character described, said device comprising a housing, said housing comprising a chamber, a normally expanded bulb located in said chamber, said bulb having an air tube extending therefrom and connectible with a source of air under pressure, a cross member mounted in said chamber adjacent one end thereof, a frame including a lug extending through an opening formed in the said one end of said chamber, said frame being confined in said chamber for movement relative to said cross member toward and away from said one end of the chamber, said bulb having a side thereof engaged with said cross member and said frame having a transverse member engaging the opposite side of said bulb, and expanding spring means confined between the remaining end of said chamber and said transverse member of the

said frame, in a manner to move said frame to project said lug from its opening whenever the



air pressure in said bulb is insufficient to resist the expanding action of said spring means and the bulb collapses.

2,260,247
METHOD OF MAKING BEARINGS
Ernest R. Darby and Carlos M. Heath, Detroit, Mich., assignors to Federal-Mogul Corporation, Detroit, Mich., a corporation of Michigan
Application December 29, 1939, Serial No. 311,525
4 Claims. (Cl. 29—149.5)

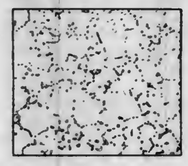


1. The method of producing a bearing member which consists essentially in placing a layer of the bearing-forming metallic material on the back in non-compacted powdered form and then sintering in a non-oxidizing atmosphere at a temperature of from about 1100° to 1700° F. in order to partially bond the particles of non-compacted powder together and the layer as a whole to the back, then pressing or rolling the blank thus formed to compact the sintered layer to eliminate substantially all voids therefrom, again sintering said bearing blank in a non-oxidizing atmosphere at a temperature of from about 1100° to 1700° F. in order to complete bonding of the particles together and the layer as a whole to the back, and cooling in a non-oxidizing atmosphere.

2,260,248
METHOD OF STABILIZING NITROCELLULOSE
Carl B. Gilbert, South River, N. J., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 2, 1939, Serial No. 302,567
13 Claims. (Cl. 260—223)

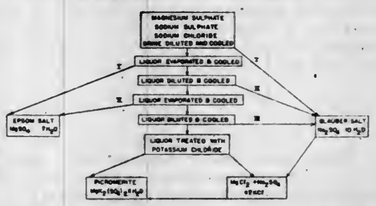
1. A method for incorporating an acidic color stabilizer in wet nitrated cellulose which comprises percolating a solution of an acid color stabilizer, in a solution concentration between about 0.01% and about 0.30% by weight calculated as phosphoric acid of equivalent free acidity in an inert liquid which is a solvent for the stabilizer and which does not dissolve nitrocellulose, the said concentration being less than the maximum concentration ultimately obtained in the treated wet nitrated cellulose on the basis of the liquid remaining therewith, through a porous mass of heat-stable nitrated cellulose, until there is attained in all portions of the resulting nitrated cellulose mass a concentration of the acidic material between about 0.01% and about 0.20% by weight of the nitrated cellulose, the concentration being calculated as phosphoric acid of equivalent free acidity.

2,260,249
CASE CARBURIZING
Oscar E. Harder, Columbus, Ohio, assignor to Battelle Memorial Institute, Columbus, Ohio, a corporation of Ohio
Application August 31, 1939, Serial No. 292,928
5 Claims. (Cl. 148—14)



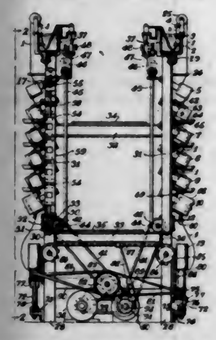
1. A method of case carburizing steel, which comprises carburizing to produce a hypereutectoid case, cooling in the carburizing container to precipitate hypereutectoid carbides in combined form in a matrix substantially free from graphite, reheating sufficiently to spheroidize precipitated hypereutectoid carbides substantially without formation of graphite, and subsequently cooling, thereby forming a high-carbon case characterized by having a substantial portion of its carbon content in the form of spheroidized carbides embedded in a matrix substantially free from graphite.

2,260,250
TREATMENT OF NATURAL SODIUM MAGNESIUM BRINES
Karl J. Jacobi, Carlsbad, N. Mex., assignor to United States Potash Company, Carlsbad, N. Mex., a corporation of New Mexico
Application May 18, 1939, Serial No. 274,458
3 Claims. (Cl. 23—117)



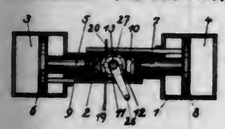
1. The process of recovering magnesium salts from naturally occurring brines substantially saturated with the sulphates of magnesium and sodium which consists in first diluting the brine, cooling the brine to crystallize Glauber salt, separating and evaporating the residual brine, cooling the same to crystallize Epsom salt, separating the brine, repeating the above steps to recover successively a second crystalline crop each of Glauber salt and Epsom salt, then recovering a third crystalline crop of Glauber salt and finally removing the magnesium from the resultant brine as magnesium-potassium sulphate by the addition of potassium chloride.

2,260,251
APPARATUS FOR PROCESSING THREAD OR THE LIKE
William Jannell, Cleveland, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Original application September 20, 1935, Serial No. 41,447. Divided and this application February 19, 1938, Serial No. 191,387
1 Claim. (Cl. 18—8)



Thread processing apparatus characterized by an operating face which presents itself vertically to the operator comprising (1) a bank of unitary helix-forming devices each of which is of cantilever construction, adapted to advance thread or the like toward its unsupported end in a plurality of generally helical turns, and, at such unsupported end, unobstructed by anything impeding the discharge of the thread or the like, the helix-forming devices of said bank being arranged in vertical catenae in such manner that, within each catena, (*a*) the projections of all helix-forming devices on a common horizontal plane coincide with each other, (*b*) the unsupported ends of all helix-forming devices extend in the general direction of said operating face, and (*c*) the supported ends of all helix-forming devices are equally accessible from said operating face; (2) a vertically extending drive shaft for each catena, each such drive shaft serving to operate the several helix-forming devices of the catena with which it is associated; (3) a common power source actuating the drive shafts serving said bank of helix-forming devices, said power source rotating all of said drive shafts in unison; and (4) means for individually disengaging said drive shafts from said common power source.

2,260,252
FREE PISTON ENGINE
Fritz John and Adolf Steinbecher, Munich-Allach, Germany, assignors to the firm Forschungsanstalt Prof. Junkers Gesellschaft mit beschränkter Haftung, Munich-Allach, Germany
Application January 9, 1941, Serial No. 373,776
In Germany January 6, 1940
7 Claims. (Cl. 230—56)



1. In a free-flying piston engine the combination of a shaft, a gear for transforming rotary into reciprocating motion connecting said shaft with the flying piston, a hand crank adapted to be put on said shaft and to bring the flying piston into a position adapted to start the engine by gas under pressure, a source of compressed gas, a pipe connecting said source with the engine, and a displaceable member releasing from pressure, in its one position, the pipe connected with the engine, and, in its other position, effecting the blocking of the space for putting-on the hand crank.

2,260,253
FENDER GUIDE
Arthur A. Johnson, Bridgeport, Conn., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut
Application November 19, 1937, Serial No. 175,381
13 Claims. (Cl. 240—8.1)

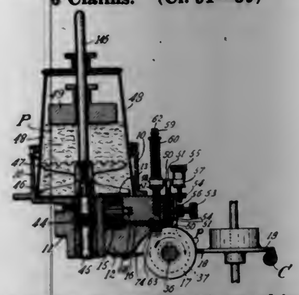


1. In an extensible fender guide, a guide staff of conducting material; means for insulatedly clamping one end of the guide staff to a fender edge so as to extend vertically upward therefrom; a target fixed to the other end of the staff; means within the target for the illumination thereof; an auxiliary rod of conducting material; and means for slidably connecting said rod to the staff whereby the rod may be extended above the target, and for retaining the rod in a selected extended position, said means forming an electrical connection between said staff and rod in all positions of extension of the rod, whereby the staff and rod can be also used as an antenna for a radio receiving set and said target-illuminating means also illuminating said auxiliary rod when the latter is in extended position.

2,260,254
PROCESS OF MAKING SOYBEAN PRODUCTS
Norman F. Kruse, Decatur, and Weldon L. Soldner, Berne, Ind., assignors to Central Soya Company, Inc., Fort Wayne, Ind., a corporation of Indiana
No Drawing. Application January 22, 1940, Serial No. 315,030
8 Claims. (Cl. 99—98)

1. The process of preparing a food product from solvent-extracted soybean oil meal, which consists in increasing the moisture content of such solvent-extracted soybean oil meal to a value in excess of 15% and not in excess of 30%, while leaving the meal still in the form of meal as distinguished from dough and then cooking the high-moisture meal at a temperature above the boiling point of water and keeping the meal in motion during such cooking.

2,260,255
PASTER
James W. Leary, Bloomfield, N. J., assignor to American Machine and Foundry Company, a corporation of New Jersey
Application July 1, 1938, Serial No. 216,885
6 Claims. (Cl. 91—50)

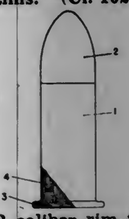


1. In a paster for a cigarette machine and the like, the combination with a paste reservoir, a housing, and a delivery duct having a discharge orifice, of means for supplying paste from said reservoir in a stream through said duct to said orifice, a transfer wheel disposed to receive a strip of paste from said stream, a slide valve member having a gateway slot to delimit the maximum cross-sectional area of said stream, restricting it to strip size, a sliding gate member to control the extent to which said slot is opened, and means to support said slide valve and sliding gate members upon said housing.

2,260,256
PRODUCTION OF DIOXIMES AND ISOXAZOLES
Samuel B. Lippincott, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application July 8, 1940, Serial No. 344,371
4 Claims. (Cl. 260—307)

1. In a process for the production of isoxazoles from 1-nitroalkanes containing more than one carbon atom, the steps which comprise condensing said 1-nitroalkanes in the presence of an ammonia base, at a temperature sufficiently low to prevent substantial isoxazole formation, and subjecting the resulting crystalline product to hydrolysis.

2,260,257
AMMUNITION
Henry N. Marsh, Wilmington, Del., and Lewis C. Weldin, Kenvil, N. J., assignors to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application May 12, 1939, Serial No. 273,212
5 Claims. (Cl. 102—12)

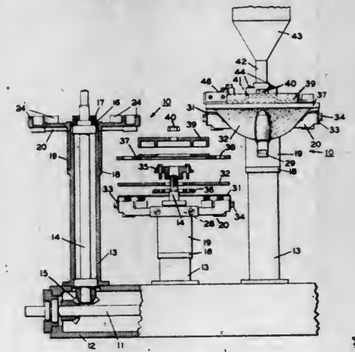


1. A loaded .22 caliber rim-fire rifle cartridge comprising a shell having a primer recess formed at its rim, a priming composition therein, a projectile and a double base smokeless powder charge of unmodified cylindrical grains having a diameter within the range of .02 to .05 inch and a length within the range of .006 to .0085 inch.

2,260,258
PRODUCTION OF NITROHYDROCARBONS
Jerome Martin, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application April 24, 1939, Serial No. 269,792
7 Claims. (Cl. 260—644)

1. In a process for the vapor phase nitration of hydrocarbons, the improvement which comprises introducing a reactivating agent, effective in decreasing the reaction-inhibiting characteristics of the deactivated nitration reaction vessel walls, into said nitration reaction vessel during the course of the nitration reaction.

2,260,259
DISPENSING DEVICE
Martin A. Mikesh, Lawrenceville, N. J., assignor to The M. W. Kellogg Co., New York, N. Y., a corporation of Delaware
Application April 6, 1940, Serial No 328,336
7 Claims. (Cl. 221—108)

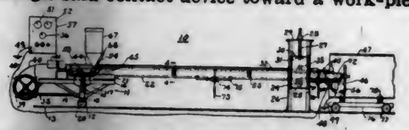


1. A metering device adapted to convey material at a predetermined rate from a point of supply to a point of discharge, which comprises, a metering disc having a plurality of holes extending therethrough, means for rotating said disc to carry said holes from the point of material supply to the point of discharge, a deformable disc mounted for rotation with said metering disc and adapted to contact the bottom of said metering disc to close the bottom of said holes, and means for bending said deformable disc away from and out of contact with the bottom of said metering disc at the point of discharge to open the bottom of said holes.

2,260,260
WELDING APPARATUS
Martin A. Mikesh, Lawrenceville, N. J., assignor to The M. W. Kellogg Co., New York, N. Y., a corporation of Delaware
Application July 25, 1940, Serial No. 347,390
11 Claims. (Cl. 219—6)

1. In metal fusing apparatus, a stand, a support member vertically movable in said stand, an elongated member mounted for longitudinal movement on said support member, a welding current contact device carried by said elongated member adjacent one end thereof, support means longitudinally movable with said elongated member supporting the other end of said elongated member, said support means being vertically

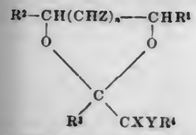
adjustable, and electrode feed means mounted on said support means adapted to feed an electrode through said contact device toward a work-piece



as required to maintain an electrical discharge across the discharge end of the electrode and the work-piece of substantially constant predetermined characteristics.

2,260,261
CYCLIC KETALS AND PROCESS FOR PREPARING SAME
Glen H. Morey, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application January 27, 1940, Serial No. 315,972
11 Claims. (Cl. 260—338)

1. Cyclic ketals having the following structural formula:



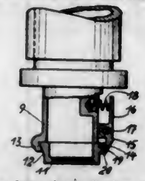
wherein R^1 and R^2 are radicals selected from the group consisting of hydrogen, alkyl, hydroxyalkyl and polyhydroxy carbinol in which at least one of the components R^1 and R^2 is a carbon containing radical, R^3 is a radical selected from the group of hydrocarbon radicals consisting of cycloalkyl, aryl, and alkyl, R^4 is a radical selected from the group consisting of alkyl and hydrogen, Z is a member of the group consisting of hydrogen and hydroxyl, Y is a radical selected from the group consisting of halogen, hydrogen and alkyl, X is a halogen and n is zero or a numeral less than 3.

2,260,262
PROCESS FOR PURIFICATION OF HALOGENATED KETONES
Glen H. Morey, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application May 4, 1940, Serial No. 333,340
10 Claims. (Cl. 260—593)

1. In a process for the separation of halogenated ketones from mixtures thereof, the step which comprises reacting at least one of said halogenated ketones with a glycol, separating the cyclic ketal thus formed, and recovering the corresponding halogenated ketone from said cyclic ketal.

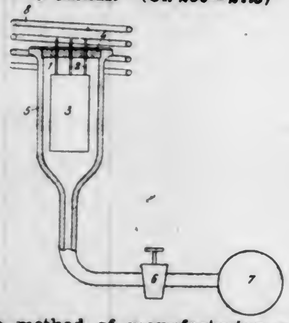
2,260,263
DETACHABLE FACE PLATE FOR SUCTION HEADS
Constantin Friedrich Röber, Dresden, Germany, assignor, by mesne assignments, to J. C. Muller N. V., Rotterdam, Holland
Application June 10, 1939, Serial No. 278,461
In Germany June 14, 1938
4 Claims. (Cl. 131—105)

1. In a cigar wrapping machine, a suction head having a body section, a bottom section removably seated thereagainst, said sections having interfitting wedge parts at one side of the head and the bottom section having a fixed wedge part at the opposite side of the head, a movable wedge part on the body section at said opposite side of the head for engagement with the adjacent fixed wedge part of the bottom section to bind the fixed and movable wedge parts together



at one side of the head and the interfitting wedge parts together at the other side of the head for binding the bottom section against the body section and means carried partly by said bottom section and partly by said wedge part for holding the bottom section against endwise movement.

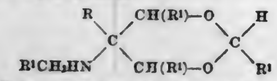
2,260,264
METHOD OF MANUFACTURING ELECTRIC DISCHARGE VESSELS
Rudolf Scharfnagel, Stuttgart, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzweg, Germany, a company
Application August 9, 1939, Serial No. 289,213
In Germany August 11, 1938
3 Claims. (Cl. 250—27.5)



3. The method of manufacturing a vacuum tube which comprises positioning a cover in the open portion of a tube envelope, covering at least a portion of said cover and a portion of said envelope with a layer of sealing material, creating a partial vacuum in said envelope and simultaneously heating said layer to seal said cover to said envelope, completing the exhaustion of said envelope and heating said layer and said envelope to a higher temperature than that of the previous heating to complete the sealing of said cover to said envelope.

2,260,265
MANUFACTURE OF AMINES
Murray Senkus, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application July 18, 1940, Serial No. 346,147
9 Claims. (Cl. 260—338)

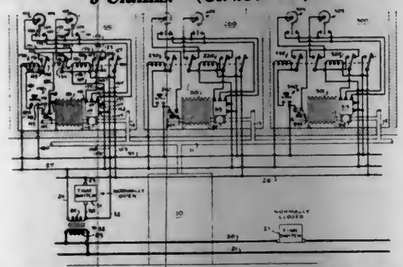
1. 5-Substituted-amino-1,3-dioxanes having the structural formula:



wherein R is a member of the group consisting of

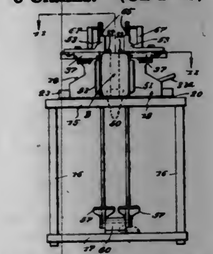
hydrogen, alkyl, and alpha-hydroxyalkyl and R^1 represents a member of the group consisting of hydrogen, alkyl, aryl, and furyl.

2,260,266
CONTROL SYSTEM
Andrew B. Simon, Jr., Cleveland, Ohio, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application October 28, 1937, Serial No. 171,543
9 Claims. (Cl. 236—46)



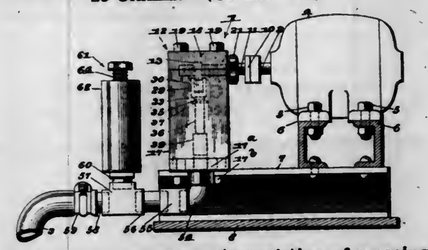
1. In a system of the class described, a pair of thermostats, a temperature changing device selectively under the control of each of said thermostats, one of said thermostats when in control of said temperature changing device acting to maintain one temperature in a space being controlled, the other thermostat when in control of said temperature changing device acting to maintain a different temperature in the space being controlled, a pair of relays, time controlled means periodically causing the energization and deenergization of one of said relays, manual means controlling the energization of said other relay, means whereby the first thermostat is in control of the temperature changing device when neither relay is energized, means whereby the second thermostat is in control of the temperature changing device when said one relay is energized, and means whereby the first thermostat is in control of the temperature changing device when both relays are energized, said time controlled means including means for automatically deenergizing both of said relays at a predetermined time during the period that said relay is normally energized and for shortly thereafter causing the energization of said one relay only whereby said second thermostat is again placed in control of the temperature changing device regardless of the previous operation of said manual means.

2,260,267
BAG STAPLING MACHINE
Otto G. Struve, San Antonio, Tex.
Application July 15, 1940, Serial No. 345,644
8 Claims. (Cl. 1—3)



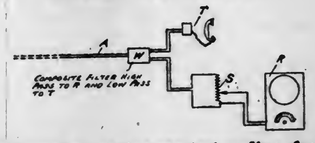
1. A bag stapling machine comprising a support, a pair of castings mounted thereon in spaced relation to receive a bag therebetween, a stapling head on each casting, an anvil member in each casting reciprocable therein to and from stapling position, means normally retaining said anvil members out of stapling position, manually operable actuator means on said support, operating means for each stapling head, operating means for moving said anvil members into stapling position, and a positive driving connection between said actuator means and operating means.

2,260,268
POWER TOOL
Charles F. Warren and William R. Smith, Wynne, Ark., assignors to The S & W Hydraulic Tool Company, Wynne, Ark., a corporation of Arkansas
Application March 1, 1939, Serial No. 259,291
15 Claims. (Cl. 125—32)



1. An impact implement consisting of a casing, a tube slidable in said casing and constituting one terminal of a hydraulic column, a hammer reciprocable in said tube and abutting the hydraulic column, an anvil in spring-floated relationship to the hammer, means guiding the tube and hammer assemblage in the casing and in respect to said anvil, and shock absorber means abutting portions of both the casing and tube, floating the tube and hammer assemblage in said sliding relationship.

2,260,269
HIGH FREQUENCY SYSTEM
Alfred Wiessner, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application March 4, 1939, Serial No. 259,727
In Germany March 5, 1938
1 Claim. (Cl. 179—2.5)



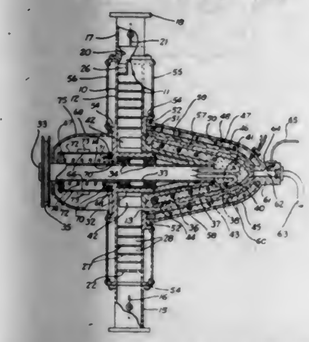
In combination, a transmission line for transmitting a band of carrier frequencies and low frequency signalling current, a composite filter having high pass and low pass sections terminating said line for separating a band of carrier frequencies from the low frequency signalling current, a voltage divider connected to the output of the high pass filter section of said filter, and a regenerative receiver connected across a portion of said voltage divider, the connection points of said regenerative receiver being such that the output signals from said receiver could not be perceived without the regenerative action, whereby selective reception is increased.

2,260,270
ORTHOPEDIC APPLIANCE
Wilfred J. Boos, St. Louis, Mo., assignor to Walk-Easy Foot Rest Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Application December 15, 1937, Serial No. 179,859
5 Claims. (Cl. 36—71)



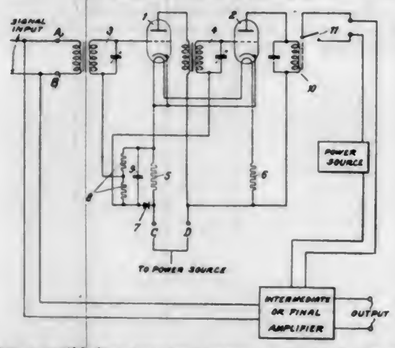
1. An orthopedic appliance of the kind described, comprising, a body of compressible material, a strap extending across the bottom of said body and connected thereto at spaced points but disconnected between such points, means separate from said straps for maintaining said body bowed, and a removable wedge of compressible material between said strap and said body.

2,260,271
MECHANICAL GAS GENERATOR
Laszlo de Csaby, Tulsequah, British Columbia, Canada
Application September 16, 1938, Serial No. 230,344
1 Claim. (Cl. 261—12)



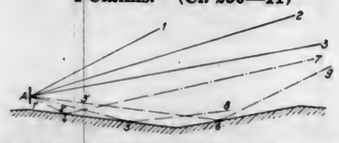
A gas generator for internal combustion engines comprising a circular housing having a discharge pipe adapted to communicate with the intake manifold of the engine, an air inlet in the housing spaced from the discharge pipe, an air passage in the housing communicating with the air inlet and the discharge pipe, a conical vaporizing chamber communicating at its base with the interior of the housing centrally thereof, a conical drum rotatably mounted in the chamber, corrugations formed on the outer surface of the drum and in the inner surface of the chamber, means for rotating the drum, a plurality of spiral storage passages in the housing extending outwardly from the central portion thereof, means for supplying fuel to the chamber at the tip thereof, means for supplying air under pressure to the fuel before it enters the chamber at least partially to vaporize the fuel, said partially vaporized fuel being directed on to the tip of the drum, a heating element in the drum, a heating element in the wall of the vaporizing chamber, means at the rear of the drum for directing fuel from the vaporizing chamber through the spiral passages, and means for mixing the vaporized fuel from the spiral passages with warm air from the air passage before entering the intake manifold of the engine.

2,260,272
AMPLIFYING SYSTEM
Wolfgang Hagen, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzweg, Germany, a company
Application August 10, 1938, Serial No. 224,065
In Germany August 12, 1937
1 Claim. (Cl. 179—171)



An amplifying system comprising a signal input circuit, an amplifying device coupled to said input circuit and comprising an amplifying stage including a tube having a cathode, a filament, a control grid and an anode, a resistance connected in the filament circuit of said tube, a rectifier connected in parallel with said resistance and a connection for applying to said grid a biasing potential derived from said rectifier, an amplifier for signals from said signal circuit, a power source for said amplifier, and a relay in the output of said amplifying device for connecting said power source to said amplifier to render it operative in response to the receipt of signals over said signal input circuit.

2,260,273
METHOD AND SYSTEM FOR LANDING AIRCRAFT
Walter Max Hahnemann, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application November 4, 1938, Serial No. 238,831
In Germany November 4, 1937
4 Claims. (Cl. 250—11)



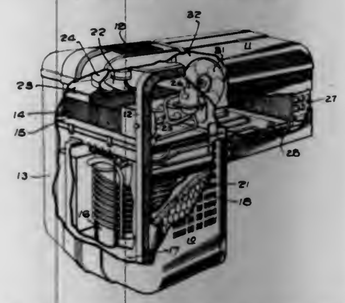
1. In a radio transmitter system for producing an approximately straight line glide path for landing aircraft, comprising an antenna system spaced above the earth to produce a direct radition and at the same time an indirect radiation by reflection from a given area of the earth's surface up to a given distance from said antenna system, the method of changing the normally curved radiation pattern for a given direction to a substantially straight line pattern consisting of changing the configuration of the earth's surface in said given reflecting area in a non-uniform shape for substantially all angles of reflection of the reflected radiation incident upon said given area, to produce an approximately straight line path of constant intensity radiation by interaction of said two radiations, and confining the elevation of the earth's surface after said change in configuration below the elevation of said antenna.

2,260,274
ELECTRON TUBE DEVICE
Felix Herriger, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application March 4, 1939, Serial No. 259,715
In Germany March 5, 1938
5 Claims. (Cl. 250—27.5)



1. An electron tube device for ultra short wave operation comprising, two coplanar substantially flat cathodes each having one of its major surfaces coated with an electron emissive substance in opposite directions to one another, a grid surrounding each of said cathodes, an anode on each side of said coplanar cathodes in parallel relation therewith each anode forming one active electrode system with the oppositely positioned electron emissive surface of either cathode and its surrounding grid and also forming a neutralization system with the oppositely positioned non-emissive surface of the other of said cathodes and its surrounding grid for neutralizing the impedances of either of said active electrode systems, conductive means encircling said active electrodes and said neutralization systems, a connection to maintain said shielding at a constant potential, and an envelope encompassing said systems and said conductive means.

2,260,275
AIR CONDITIONING APPARATUS
Milton Kalischer, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 13, 1938, Serial No. 245,497
5 Claims. (Cl. 62—140)

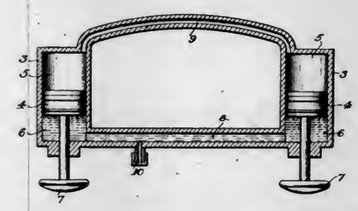


1. A self-contained room cooler comprising frame and housing structure, a condenser, an evaporator, means for conveying air over said evaporator and delivering the same to the room to be cooled, a drain pan disposed beneath said evaporator to collect condensate formed thereon, a second pan, means for conveying condensate from said drain pan to said second pan, means for conveying hot refrigerant gas discharged from said compressor in heat transfer relation to the condensate in said second pan to provide heat for evaporation thereof and thence to said condenser, and means including a fan for effecting flow of a stream of cooling air over one portion of said condenser, then over said pan to evaporate condensate therein and thence over a second portion of said condenser.

2,260,276
ELECTROLYTIC PREPARATION OF POWDERED SILK CONTAINING COLLOIDAL METALS
Reginald Wyatt Lawson and Edward Erlick Verdiers, London, England
No Drawing. Application April 21, 1939, Serial No. 269,238. In Great Britain April 26, 1938
3 Claims. (Cl. 204—10)

1. In a process for the production of natural silk powder wherein the silk, after being first freed from all foreign and undesirable substances, including silk glue, is subjected to the action of breaking up or decomposing agents, which action is interrupted before the silk has been broken up or decomposed completely by treating the silk with a medium having a neutralising action so as to convert the mass into a fine slime of colloidal particles, whereupon the silk is dried and ground, the step consisting in subjecting the fine slime, before drying and grinding, to the action of an electric current between a metal anode, consisting of an alloy of copper, gold and silver, and an aluminium cathode whereby metal colloids from said anode are absorbed by the particles of said fine silk slime.

2,260,277
BUMPER, ESPECIALLY APPLICABLE TO RAILWAY VEHICLES
Jean Mercier, Paris, France
Original application March 7, 1936, Serial No. 67,715. Divided and this application December 12, 1939, Serial No. 308,885. In France March 12, 1935
3 Claims. (Cl. 213—223)



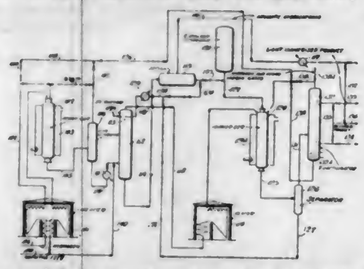
1. A bumper device of the type described, for use in connection with a vehicle and especially a railway vehicle, which comprises, in combination, at least two buffers movably carried by said vehicle on either side of the longitudinal axis thereof, two cylinders rigidly carried by said vehicle, pistons movable with a fluidtight fit inside said cylinders respectively and rigid with said buffers respectively, a passage interconnecting the respective chambers of said cylinders that are located on the outer sides of said pistons, an incompressible liquid filling the whole of these two chambers and said passage, and a compressed gas filling the two other chambers of said cylinders, respectively, said pistons being normally disposed spaced from the ends of their respective cylinders in order that the buffers can move in either direction from their normal positions in which both are in the same transverse plane.

2,260,278
PROCESS FOR THE PRODUCTION OF OPAQUE PROTECTIVE COATINGS ON ALUMINUM AND ITS ALLOYS
Max Schenk, Basel, Switzerland, assignor to the firm Ematal Electrochemical Corporation, New York, N. Y., a corporation of New York
No Drawing. Application July 10, 1937, Serial No. 153,051. In Switzerland July 13, 1936
11 Claims. (Cl. 204—58)

1. In the production of opaque, hard and protective coatings on articles of aluminum and aluminum alloys, the step of subjecting an article, to be treated, as an electrode to the action of an electric current in an aqueous bath consisting of a solution of zirconium-sodium oxalate, boric acid, crystallised borax and dextrine.

2,260,279
CATALYTIC CONVERSION OF HYDROCARBONS
Edmond L. d'Ouville, Bernard L. Evering, and Alex G. Oblad, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application December 21, 1938, Serial No. 247,132
20 Claims. (Cl. 196—9)

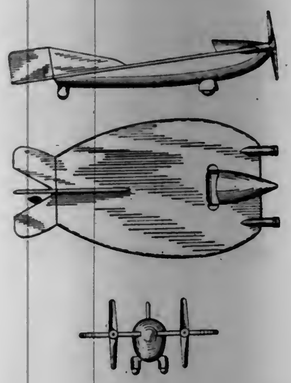
1. The process of preparing a motor fuel fraction containing a large proportion of branched-chain paraffin hydrocarbons from a naphtha containing substantial amounts of aromatic and straight-chain paraffin hydrocarbons which comprises treating said naphtha to produce therefrom a hydrocarbon mixture containing straight-chain paraffin hydrocarbons but not more than



2 per cent by volume of aromatic hydrocarbons, and subjecting said hydrocarbon mixture to the action of an aluminum halide catalyst and an activator affording a hydrogen halide under conditions effective to convert straight-chain paraffin hydrocarbons to branched-chain paraffin hydrocarbons.

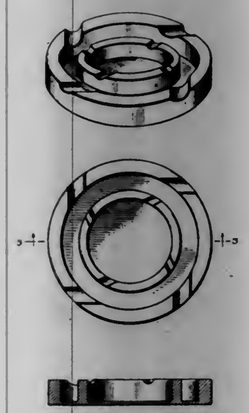
DESIGNS
OCTOBER 21, 1941

130,013
DESIGN FOR A TOY AIRPLANE MODEL
James Abernethy, Seattle, Wash.
Application December 12, 1940, Serial No. 97,269
Term of patent 3½ years



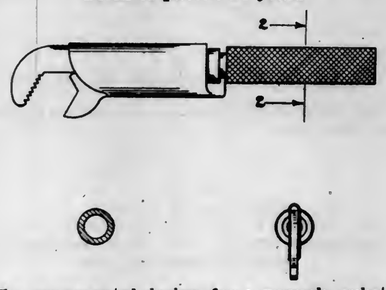
The ornamental design for a toy airplane model, as shown.

130,014
DESIGN FOR A COMBINED ASH TRAY AND GLASS HOLDER
Francis J. Blatz, Stapleton, N. Y.
Application February 20, 1941, Serial No. 99,137
Term of patent 14 years



The ornamental design for a combined ash tray and glass holder, substantially as shown.

130,015
DESIGN FOR A WRENCH
Joseph B. Boos, deceased, late of Kansas City, Mo., by Lyal R. Boos, executor, Kansas City, Mo.
Application June 11, 1941, Serial No. 101,401
Term of patent 14 years



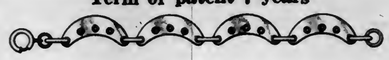
The ornamental design for a wrench, substantially as shown.

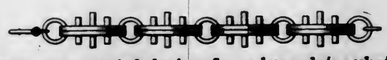
130,016
DESIGN FOR A BRACELET
Michael Chernow, New York, N. Y.
Application August 9, 1941, Serial No. 102,770
Term of patent 7 years



The ornamental design for a bracelet, substantially as shown.

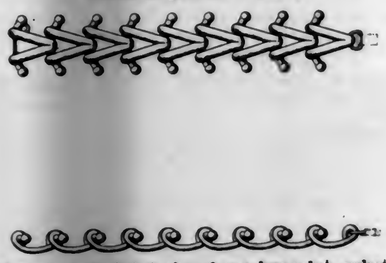
130,017
DESIGN FOR A BRACELET
Michael Chernow, New York, N. Y.
Application August 9, 1941, Serial No. 102,771
Term of patent 7 years





The ornamental design for a bracelet, substantially as shown.

130,018
DESIGN FOR A BRACELET
Michael Chernow, New York, N. Y.
Application August 9, 1941, Serial No. 102,772
Term of patent 7 years



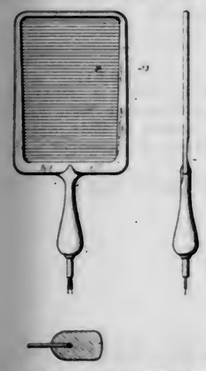
The ornamental design for a bracelet, substantially as shown.

130,019
DESIGN FOR A DOLL
Olivia A. Dunn, Orange, N. J.
Application July 30, 1941, Serial No. 102,571
Term of patent 14 years



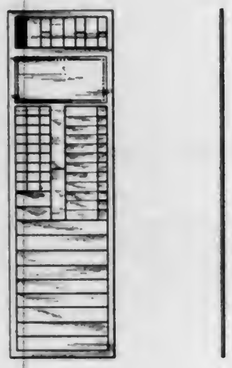
The ornamental design for a doll, substantially as shown.

130,020
DESIGN FOR AN ELECTRIC FLY SWATTER
James P. Foley, Los Angeles, Calif.
Application July 30, 1941, Serial No. 102,566
Term of patent 14 years



The ornamental design for an electric fly swatter, substantially as shown.

130,021
DESIGN FOR A TRANSIT TRANSFER
Fred P. Hamilton, Jr., Omaha, Nebr.
Application November 14, 1940, Serial No. 96,572
Term of patent 14 years



The ornamental design for a transit transfer, as shown.

130,022
DESIGN FOR A LUBRICATOR CABINET
Thomas L. Hand, Cincinnati, Ohio, assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio
Application July 11, 1941, Serial No. 102,034
Term of patent 3½ years



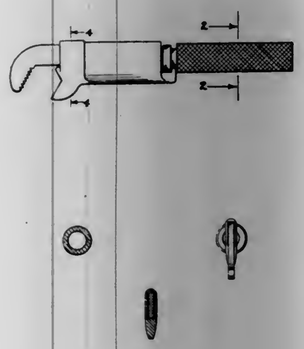
The ornamental design for a lubricator cabinet, substantially as shown.

130,023
DESIGN FOR A LUBRICATOR CABINET
Thomas L. Hand, Cincinnati, Ohio, assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio
Application July 11, 1941, Serial No. 102,035
Term of patent 3½ years



The ornamental design for a lubricator cabinet, substantially as shown.

130,024
DESIGN FOR A WRENCH
Guy W. Hawkins, Kansas City, Mo.
Application June 11, 1941, Serial No. 101,402
Term of patent 14 years



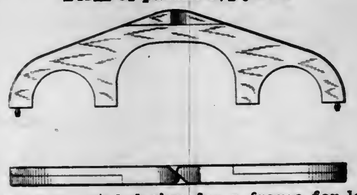
The ornamental design for a wrench, substantially as shown.

130,025
DESIGN FOR AN ADVERTISING FIGURE
Andrew J. Kilgariff, Pittsburgh, Pa.
Application August 4, 1940, Serial No. 94,233
Term of patent 7 years



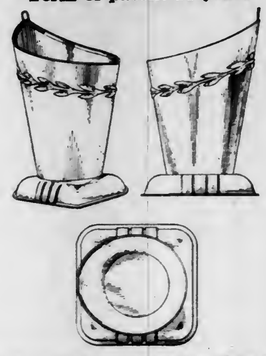
The ornamental design for an advertising figure, as shown.

130,026
DESIGN FOR A FRAME FOR LADIES' HANDBAGS
Wilford J. Kirst, Yonkers, N. Y.
Application August 8, 1941, Serial No. 102,746
Term of patent 3½ years



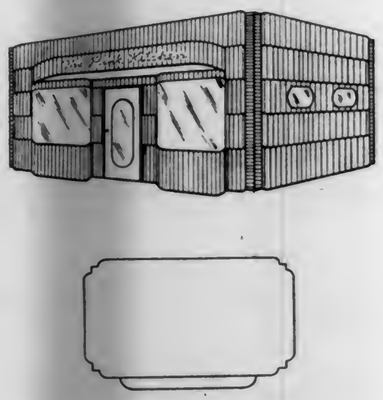
The ornamental design for a frame for ladies' handbags, as shown and described.

130,027
DESIGN FOR A FLORAL CONTAINER
Roderic M. Koch, Evansville, Ind.
Application February 12, 1941, Serial No. 98,975
Term of patent 14 years



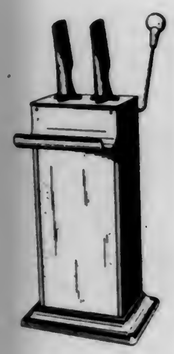
The ornamental design for a floral container, as shown.

130,028
DESIGN FOR A RESTAURANT BUILDING
Louis C. Leabo, Kansas City, Mo.
Application November 30, 1940, Serial No. 96,976
Term of patent 3½ years



The ornamental design for a restaurant building, as shown and described.

130,029
DESIGN FOR A GARMENT POCKET IRONER
John H. Leef, Minneapolis, Minn.
Application July 27, 1940, Serial No. 93,959
Term of patent 7 years



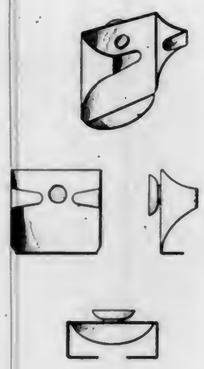
The ornamental design for a garment pocket ironer, as shown and described.

130,030
DESIGN FOR A LIPSTICK CASE
Maximilian C. Meyer, Brooklyn, N. Y.
Application March 19, 1941, Serial No. 99,699
Term of patent 7 years



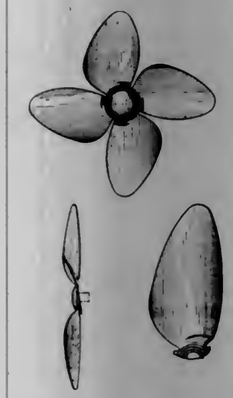
The ornamental design for a lipstick case, as shown.

130,031
DESIGN FOR A CIGARETTE PACKAGE HOLDER
Earl F. Murray and Clare E. Hermann, Minneapolis, Minn.
Application March 24, 1941, Serial No. 99,824
Term of patent 14 years



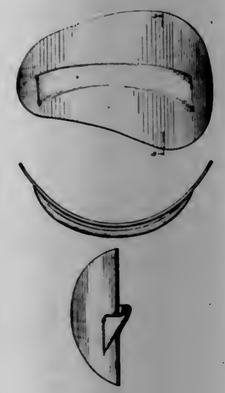
The ornamental design for a cigarette package holder, as shown.

130,032
DESIGN FOR A FAN PROPELLER
Edward S. Preston, Hinsdale, Ill., assignor to Chicago Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application February 28, 1941, Serial No. 99,266
Term of patent 7 years



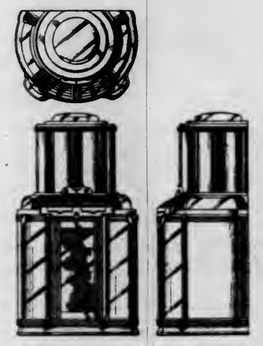
The ornamental design for a fan propeller, substantially as shown.

130,033
DESIGN FOR A KIDNEY GUARD
George C. Reynolds, St. Louis, Mo., assignor to National Vulcanized Fibre Co., Wilmington, Del., a corporation of Delaware
Application December 27, 1940, Serial No. 97,643
Term of patent 7 years



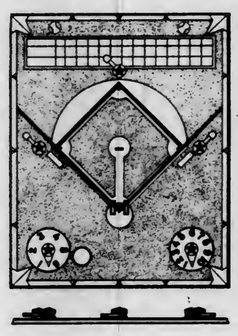
The ornamental design for a kidney guard, as shown.

130,034
DESIGN FOR A CABINET FOR AUTOMATIC PHONOGRAPH
Henry T. Roberts, Cuba Township, Lake County, Ill., assignor to J. P. Seeburg Corporation, Chicago, Ill., a corporation of Illinois
Application February 20, 1941, Serial No. 99,131
Term of patent 14 years



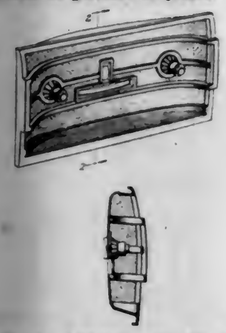
The ornamental design for a cabinet for automatic phonograph, as shown.

130,035
DESIGN FOR A GAME BOARD
William P. Ulrich, Spokane, Wash.
Application April 12, 1941, Serial No. 100,350
Term of patent 14 years



The ornamental design for a game board, as shown.

130,036
DESIGN FOR AN ESCUTCHEON PLATE FOR AUTOMOBILE RADIO SETS OR THE LIKE
Clarence W. Wandrey, Elmwood Park, Ill., assignor to Zenith Radio Corporation, Chicago, Ill., a corporation of Illinois
Application July 21, 1941, Serial No. 102,335
Term of patent 14 years

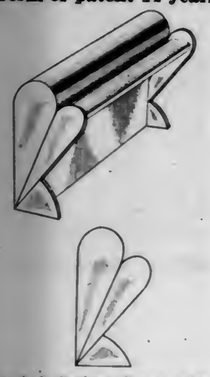


The ornamental design for an escutcheon plate for automobile radio sets or the like, as shown.

130,037
DESIGN FOR VEILING
Abraham Weinblum, New York, N. Y.
Application May 31, 1941, Serial No. 101,246
Term of patent 7 years

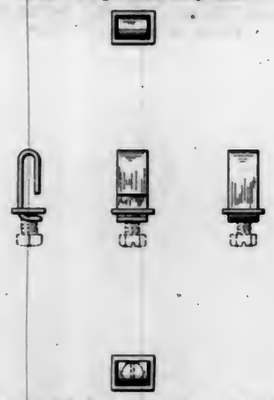
The ornamental design for veiling, substantially as shown and described.

130,038
DESIGN FOR A PIANO OR SIMILAR ARTICLE
Jack Barofsky, Los Angeles, Calif.
Application May 28, 1941, Serial No. 101,208
Term of patent 14 years



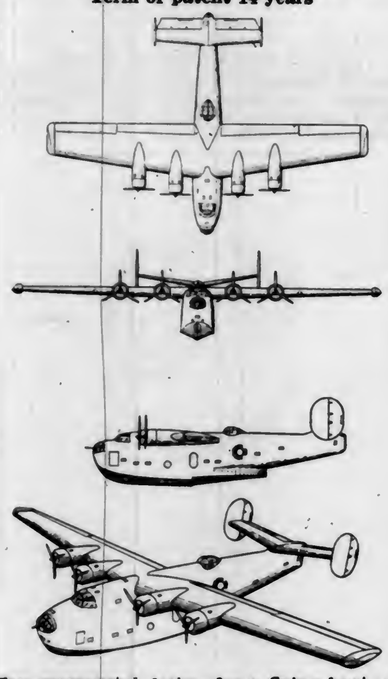
The ornamental design for a piano or similar article, as shown and described.

130,039
DESIGN FOR AN ELECTRICAL CONNECTOR
Jasper Blackburn, Webster Groves, Mo.
Application June 5, 1940, Serial No. 92,835
Term of patent 14 years



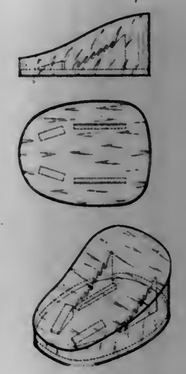
The ornamental design for an electrical connector, as shown and described.

130,040
DESIGN FOR A FLYING BOAT
Isaac M. Laddon, San Diego, Calif., assignor to Consolidated Aircraft Corporation, a corporation of Delaware
Application January 10, 1941, Serial No. 97,953
Term of patent 14 years



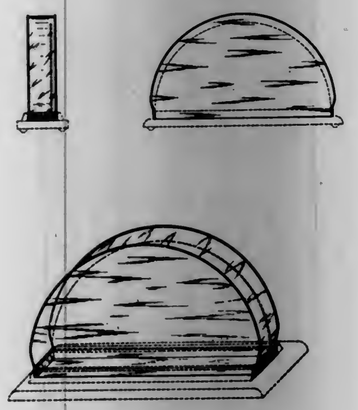
The ornamental design for a flying boat, substantially as shown.

130,041
DESIGN FOR A DISPLAY STAND
Maximilian C. Meyer, Brooklyn, N. Y.
Application August 2, 1941, Serial No. 102,657
Term of patent 14 years



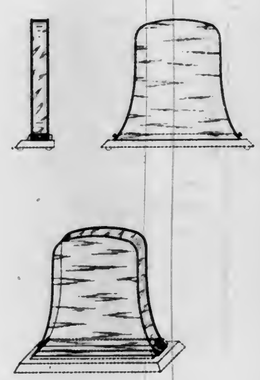
The ornamental design for a display stand, as shown and described.

130,042
DESIGN FOR A DISPLAY STAND
Maximilian C. Meyer, Brooklyn, N. Y.
Application August 2, 1941, Serial No. 102,658
Term of patent 14 years



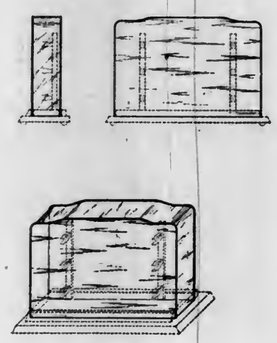
The ornamental design for a display stand, as shown and described.

130,043
DESIGN FOR A DISPLAY STAND
Maximilian C. Meyer, Brooklyn, N. Y.
Application August 2, 1941, Serial No. 102,659
Term of patent 14 years



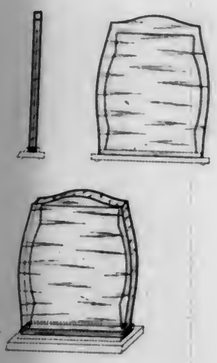
The ornamental design for a display stand, as shown and described.

130,044
DESIGN FOR A DISPLAY STAND
Maximilian C. Meyer, Brooklyn, N. Y.
Application August 2, 1941, Serial No. 102,660
Term of patent 14 years



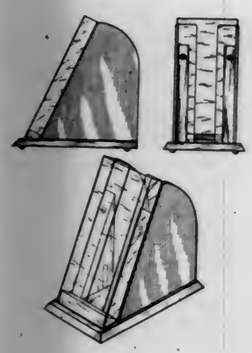
The ornamental design for a display stand, as shown and described.

130,045
DESIGN FOR A DISPLAY STAND
Maximilian C. Meyer, Brooklyn, N. Y.
Application August 2, 1941, Serial No. 102,661
Term of patent 14 years



The ornamental design for a display stand, as shown and described.

130,046
DESIGN FOR A DISPLAY STAND
Maximilian C. Meyer, Brooklyn, N. Y.
Application August 2, 1941, Serial No. 102,662
Term of patent 14 years



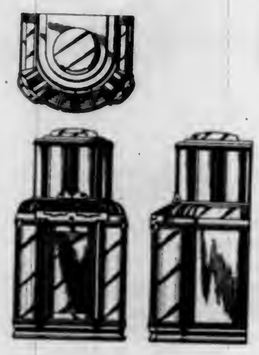
The ornamental design for a display stand, as shown.

130,047
DESIGN FOR A LACE TABLECLOTH
Ferdinand P. Otto, Philadelphia, Pa., assignor to Quaker Lace Company, Incorporated, Philadelphia, Pa.
Application August 16, 1941, Serial No. 102,897
Term of patent 3½ years



The ornamental design for a lace tablecloth, substantially as shown and described.

130,048
DESIGN FOR A CABINET FOR AUTOMATIC PHONOGRAPH
Henry T. Roberts, Cuba Township, Lake County, Ill., assignor to J. P. Seeburg Corporation, Chicago, Ill., a corporation of Illinois
Application February 20, 1941, Serial No. 99,132
Term of patent 14 years



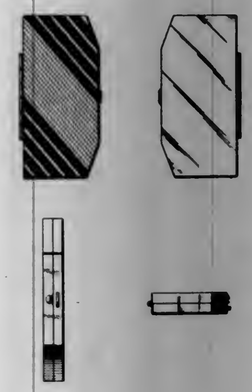
The ornamental design for a cabinet for automatic phonograph, as shown.

130,049
DESIGN FOR A TEXTILE FABRIC
Leo Schechter, New York, N. Y.
Application September 17, 1941, Serial No. 103,385
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown, and described.

130,050
DESIGN FOR A COSMETIC CONTAINER
William R. Tuttle and Charles W. Stickel, Rochester, N. Y., assignors to The Kurlash Company, Inc., Rochester, N. Y., a corporation of New York
Application September 9, 1940, Serial No. 94,900
Term of patent 14 years



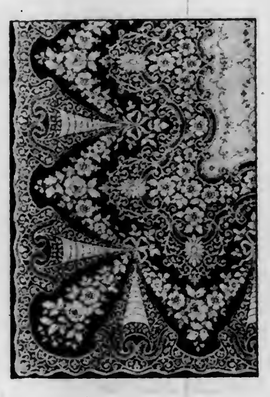
The ornamental design for a cosmetic container, as shown and described.

130,051
DESIGN FOR A PENCIL FERRULE
Oscar E. Weissenborn, Verona, N. J.
Application August 8, 1941, Serial No. 102,739
Term of patent 3½ years



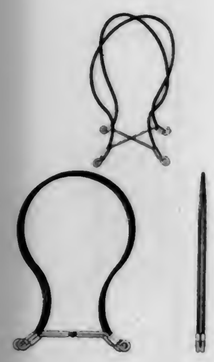
The ornamental design for a pencil ferrule, as shown.

130,052
DESIGN FOR A LACE TABLECLOTH
William Wolf, Philadelphia, Pa., assignor to Quaker Lace Company, Incorporated, Philadelphia, Pa.
Application August 16, 1941, Serial No. 102,898
Term of patent 3½ years



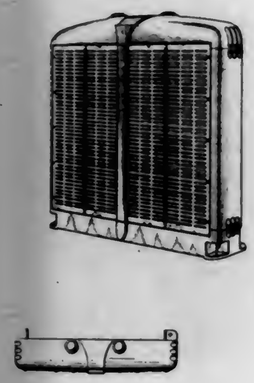
The ornamental design for a lace tablecloth, substantially as shown and described.

130,053
DESIGN FOR A HAT RACK OR SIMILAR ARTICLE
Cardross Worth, New York, N. Y., assignor to Marshall & Meier, New York, N. Y., a copartnership composed of Bertha F. Marshall and Clinton E. Marshall
Application April 16, 1941, Serial No. 100,410
Term of patent 7 years



The ornamental design for a hat rack or similar article, as shown.

130,054
DESIGN FOR A RADIATOR FRONT
Fred M. Young, Racine, Wis.
Application January 17, 1940, Serial No. 89,519
Term of patent 14 years



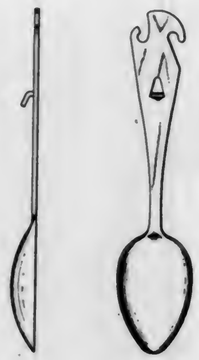
The ornamental design for a radiator front, as shown.

130,055
DESIGN FOR A RADIO CABINET OR THE LIKE
George F. Bates, Brooklyn, N. Y.
Application September 3, 1941, Serial No. 103,147
Term of patent 7 years



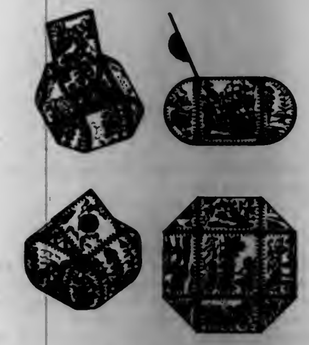
The ornamental design for a radio cabinet or the like, as shown.

130,056
DESIGN FOR A COMBINATION SPOON AND BOTTLE CAP REMOVER
Alice Burton, St. Louis, Mo.
Application April 16, 1941, Serial No. 100,415
Term of patent 14 years



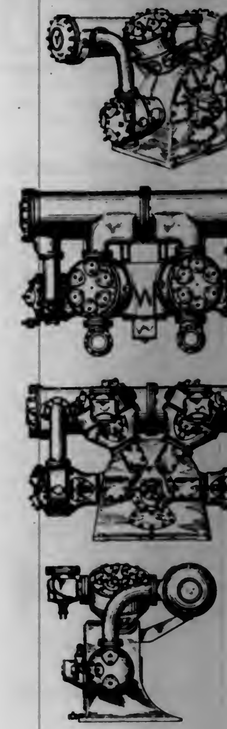
The ornamental design for a combination spoon and bottle cap remover, as shown.

130,057
DESIGN FOR A NOVELTY POSTCARD BOX
Max Fisch, Brooklyn, N. Y.
Application May 19, 1941, Serial No. 101,012
Term of patent 3½ years

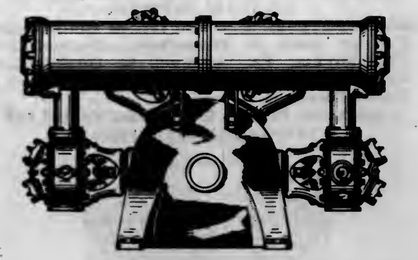


The ornamental design for a novelty postcard box, as shown.

130,058
DESIGN FOR A COMPRESSOR
Frank A. Halleck, Oak Park, Ill., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application May 1, 1941, Serial No. 100,733
Term of patent 14 years

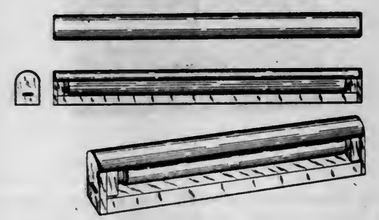


130,058—Continued



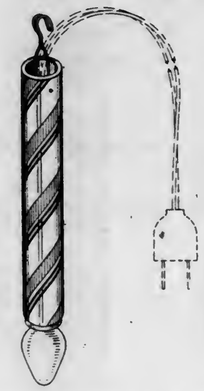
The ornamental design for a compressor, as shown.

130,059
DESIGN FOR A FLUORESCENT LIGHTING FIXTURE
Max Herr, Chicago, Ill.
Application March 7, 1941, Serial No. 99,407
Term of patent 7 years



The ornamental design for a fluorescent lighting fixture, as shown.

130,060
DESIGN FOR A DECORATIVE ILLUMINATING DEVICE
Leo Pollock, New York, N. Y.
Application February 8, 1941, Serial No. 98,845
Term of patent 7 years



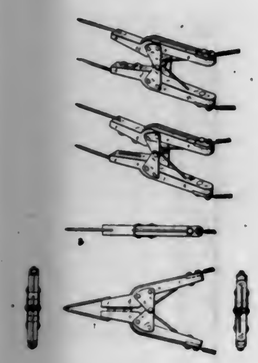
The ornamental design for a decorative illuminating device, substantially as shown and described.

130,061
DESIGN FOR A LACE TABLECLOTH OR SIMILAR ARTICLE
James Waterfield, deceased, late of Philadelphia, Pa., by Edith B. Waterfield, administratrix, Philadelphia, Pa., assignor to Quaker Lace Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 16, 1941, Serial No. 102,182
Term of patent 3½ years



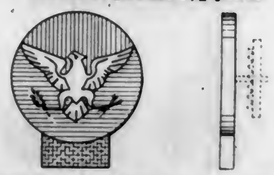
The ornamental design for a lace tablecloth or similar article, substantially as shown and described.

130,062
DESIGN FOR AN ELECTRIC BLASTING FUSE IGNITER
Robert T. Burgess, Holden, W. Va.
Application June 23, 1941, Serial No. 101,622
Term of patent 14 years



The ornamental design for an electric blasting fuse igniter, as shown.

130,063
DESIGN FOR AN EMBLEM PIN
Edward S. Chandler, Valley Stream, N. Y.
Application September 12, 1941, Serial No. 103,316
Term of patent 3½ years



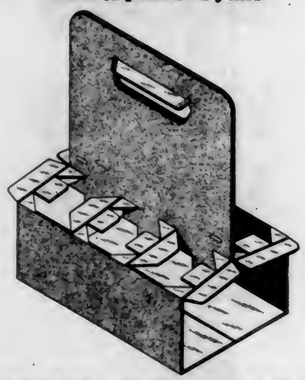
The ornamental design for an emblem pin, as shown and described.

130,064
DESIGN FOR A CONTAINER CAP
Philip A. Derham, Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application August 21, 1941, Serial No. 102,982
Term of patent 7 years



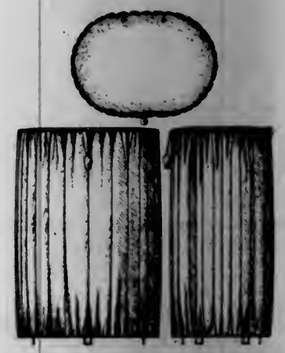
The ornamental design for a container cap, substantially as shown.

130,065
DESIGN FOR A FOLDING BOTTLE CARRIER
Frank Di Rico and Angelo Libertine, Quincy, Mass., assignors to Hub Folding Box Co., Boston, Mass., a firm composed of Frank Di Rico and Angelo Libertine
Application May 28, 1941, Serial No. 101,210
Term of patent 14 years



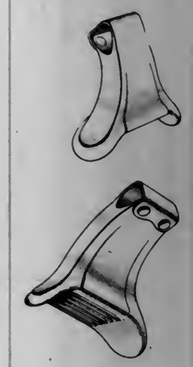
The ornamental design for a folding bottle carrier, substantially as shown.

130,066
DESIGN FOR A CLOTHES HAMPER
Otto Eldinger, Chicago, Ill., assignor to Hydro-Tex Corporation, a corporation of Illinois
Application July 2, 1941, Serial No. 101,860
Term of patent 3½ years



The ornamental design for a clothes hamper, as shown.

130,067
DESIGN FOR A TELEPHONE HOLDER
Alvin N. Epstein, Chicago, Ill.
Application May 29, 1941, Serial No. 101,227
Term of patent 14 years



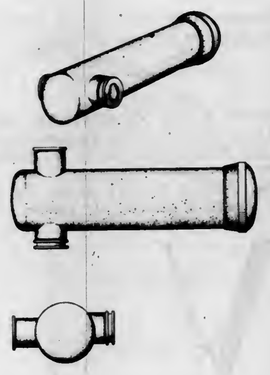
The ornamental design for a telephone holder, as shown.

130,068
DESIGN FOR A FUR COLLAR
Mario Frascino, New York, N. Y.
Application August 12, 1941, Serial No. 102,801
Term of patent 3½ years



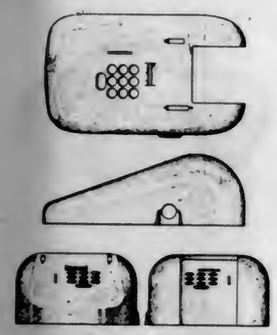
The ornamental design for a fur collar, substantially as shown.

130,069
DESIGN FOR A SPECTROSCOPE
Kennard W. Harper, East Aurora, N. Y., assignor to Spencer Lens Company, Buffalo, N. Y., a corporation of New York
Application April 2, 1941, Serial No. 100,100
Term of patent 14 years



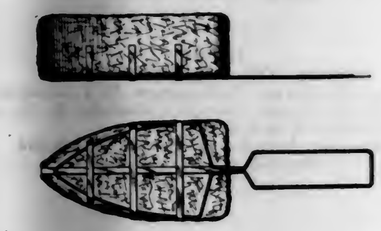
The ornamental design for a spectroscope, substantially as shown.

130,070
DESIGN FOR AN ADDING MACHINE CASING
Willis A. Kropp, River Forest, Ill., assignor to Victor Adding Machine Company, Chicago, Ill., a corporation of Illinois
Application June 25, 1941, Serial No. 101,661
Term of patent 14 years



The ornamental design for an adding machine casing, as shown.

130,071
DESIGN FOR A HAND BOUQUET HOLDER OR ANALOGOUS ARTICLE
Chris H. Larsen, Chicago, Ill.
Application June 4, 1941, Serial No. 101,291
Term of patent 7 years



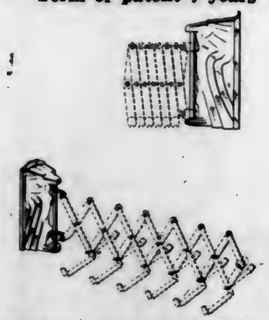
The ornamental design for a hand bouquet holder or analogous article, as shown.

130,072
DESIGN FOR A PIN OR SIMILAR ARTICLE
Lawrence Low, New York, N. Y., assignor to Digby Stores, Inc., New York, N. Y., a corporation of New York
Application August 1, 1941, Serial No. 102,622
Term of patent 3½ years



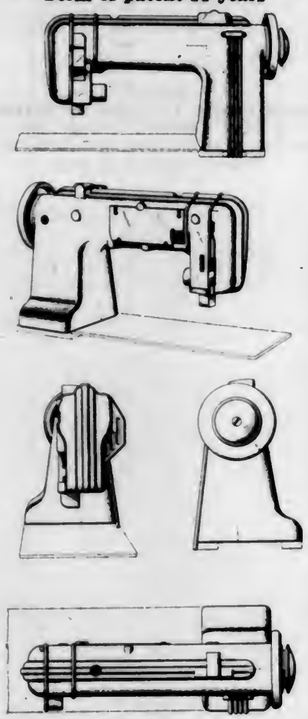
The ornamental design for a pin or similar article substantially as shown.

130,073
DESIGN FOR A NECKTIE RACK
Sidney Owen and Erwin Goeller, Lincoln, Nebr.; said Goeller assignor to said Owen
Application October 19, 1939, Serial No. 87,734
Term of patent 7 years



The ornamental design for a necktie rack, substantially as shown and described.

130,074
DESIGN FOR A SEWING MACHINE OR SIMILAR ARTICLE
Malcolm S. Park, Mount Kisco, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application April 11, 1941, Serial No. 100,321
Term of patent 14 years



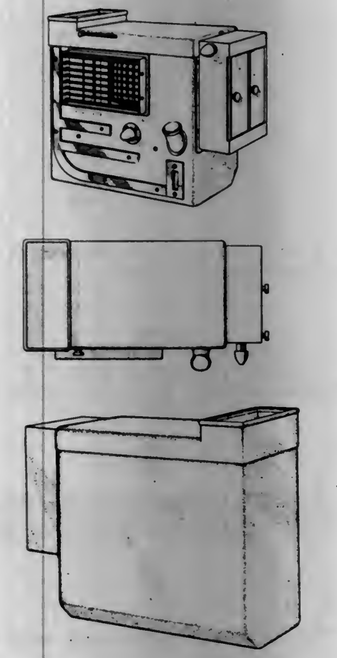
The ornamental design for a sewing machine or similar article, as shown.

130,075
DESIGN FOR A BOTTLE
Ony Richard Randall, Atlanta, Ga., assignor to National Nu Grape Company, Inc., Atlanta, Ga., a corporation of Georgia
Application August 22, 1941, Serial No. 102,990
Term of patent 14 years



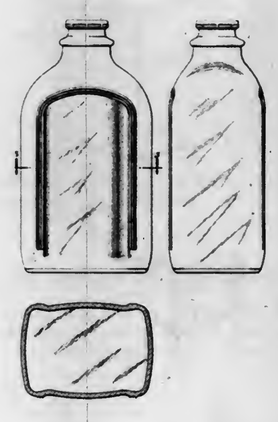
The ornamental design for a bottle, as shown.

130,076
DESIGN FOR AUTOMOBILE COOLER
Frederick J. Vondenbosh, Los Angeles, Calif.
Application April 30, 1940, Serial No. 92,037
Term of patent 3½ years



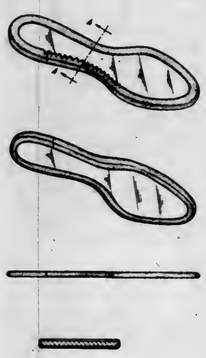
The ornamental design for an automobile cooler, as shown.

130,077
DESIGN FOR A BOTTLE
John F. Watson, Maplewood, N. J., assignor to The Borden Company, New York, N. Y., a corporation of New Jersey
Application June 4, 1941, Serial No. 101,287
Term of patent 14 years



The original design for a bottle, as shown.

130,078
DESIGN FOR A SHOE SOLE OR SIMILAR ARTICLE
Willy Weidner, New York, N. Y.
Application November 15, 1940, Serial No. 96,617
Term of patent 3½ years



The ornamental design for a shoe sole or similar article, as shown and described.

130,079
DESIGN FOR A PORTABLE SERVICE TABLE
Gladys W. Weller, New York, N. Y.
Application April 7, 1941, Serial No. 100,204
Term of patent 7 years



The ornamental design for a portable service table, as shown and described.

130,080
DESIGN FOR A FOOD TRAY
Albro Georgi Wynkoop, Piedmont, Calif.
Application December 31, 1940, Serial No. 97,744
Term of patent 14 years



The ornamental design for a food tray, as shown.

130,081
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Bernard Darvie, New York, N. Y.
Application September 16, 1941, Serial No. 103,368
Term of patent 3½ years



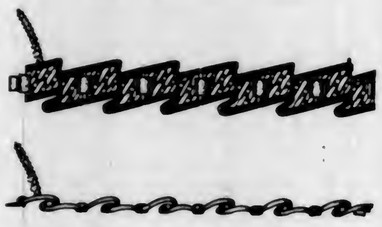
The ornamental design for a brooch or similar article, substantially as shown.

130,082
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
David Mir, New York, N. Y.
Application September 15, 1941, Serial No. 103,349
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

130,083
DESIGN FOR A BRACELET
Alfred Philippe, New York, N. Y.
Application September 19, 1941, Serial No. 103,418
Term of patent 3½ years



The ornamental design for a bracelet, substantially as shown.

130,084
DESIGN FOR A BRACELET
Alfred Philippe, New York, N. Y.
Application September 19, 1941, Serial No. 103,419
Term of patent 3½ years



The ornamental design for a bracelet, substantially as shown.

130,085
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application September 22, 1941, Serial No. 103,451
Term of patent 3½ years



The ornamental design for an earring or similar article, substantially as shown.

130,086
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Spaney, New York, N. Y.
Application September 15, 1941, Serial No. 103,348
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

130,087
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Spaney, New York, N. Y.
Application September 19, 1941, Serial No. 103,420
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

130,088
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Spaney, New York, N. Y.
Application September 19, 1941, Serial No. 103,421
Term of patent 3½ years



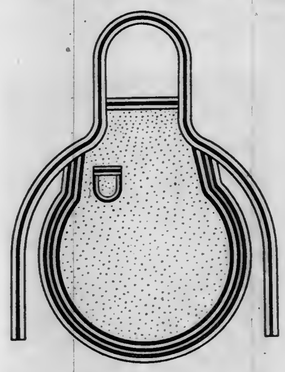
The ornamental design for a brooch or similar article, substantially as shown.

130,089
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Spaney, New York, N. Y.
Application September 19, 1941, Serial No. 103,422
Term of patent 3½ years



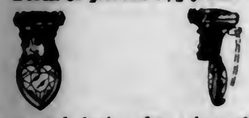
The ornamental design for a brooch or similar article, substantially as shown.

130,090
DESIGN FOR AN APRON
Laura Aryer, Aurora, Ill.
Application August 13, 1941, Serial No. 102,825
Term of patent 14 years



The ornamental design for an apron, substantially as shown.

130,091
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Bernard Darvie, New York, N. Y.
Application September 16, 1941, Serial No. 103,367
Term of patent 3½ years



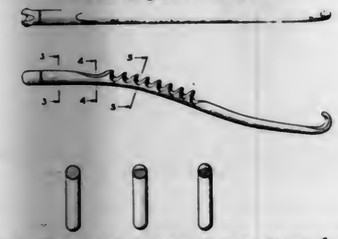
The ornamental design for a brooch or similar article, substantially as shown.

130,092
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Bernard Darvie, New York, N. Y.
Application September 16, 1941, Serial No. 103,369
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

130,093
DESIGN FOR A GYNECOLOGIC INSTRUMENT
Ellis H. Edwards, Scarsdale, N. Y.
Application April 26, 1941, Serial No. 100,703
Term of patent 14 years



The ornamental design for a gynecologic instrument, as shown.

130,094
DESIGN FOR A TEXTILE FABRIC
Robert E. Fatherley, New York, N. Y.
Application September 30, 1941, Serial No. 103,563
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

130,095
DESIGN FOR A TEXTILE FABRIC
Jane Friedman, New York, N. Y.
Application September 26, 1941, Serial No. 103,531
Term of patent 3½ years



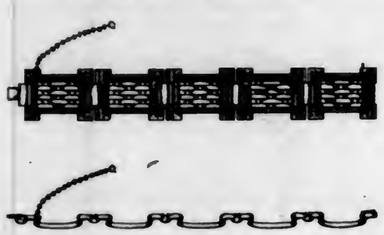
The ornamental design for a textile fabric, substantially as shown and described.

130,096
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
David Mir, New York, N. Y.
Application September 15, 1941, Serial No. 103,350
Term of patent 3½ years



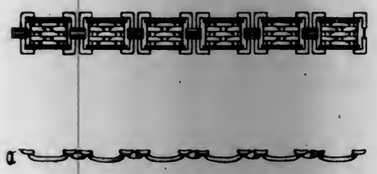
The ornamental design for a brooch or similar article, substantially as shown.

130,097
DESIGN FOR A BRACELET
Alfred Philippe, New York, N. Y.
Application September 15, 1941, Serial No. 103,351
Term of patent 3½ years



The ornamental design for a bracelet, substantially as shown.

130,098
DESIGN FOR A BRACELET
Alfred Philippe, New York, N. Y.
Application September 15, 1941, Serial No. 103,352
Term of patent 3½ years



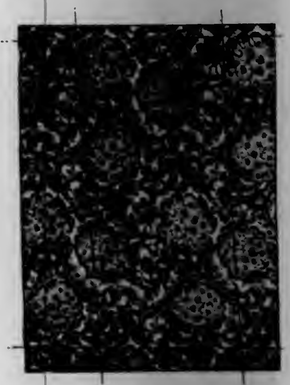
The ornamental design for a bracelet substantially as shown.

130,099
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application September 19, 1941, Serial No. 103,417
Term of patent 3½ years



The ornamental design for an earring or similar article, substantially as shown.

130,100
DESIGN FOR A TEXTILE FABRIC
Benjamin W. Rosenblum, New York, N. Y.
Application September 30, 1941, Serial No. 103,565
Term of patent 3½ years



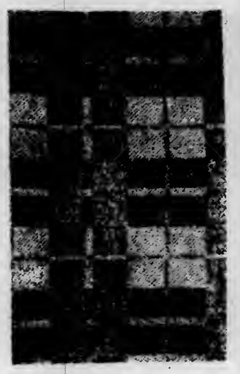
The ornamental design for a textile fabric, substantially as shown, and described.

130,101
DESIGN FOR A TEXTILE FABRIC
Benjamin W. Rosenblum, New York, N. Y.
Application September 30, 1941, Serial No. 103,566
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

130,102
DESIGN FOR A TEXTILE FABRIC
Sidney Gaston, New Rochelle, N. Y.
Application September 26, 1941, Serial No. 103,518
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

130,103
DESIGN FOR A TEXTILE FABRIC
Jack Rubin, New York, N. Y.
Application September 26, 1941, Serial No. 103,519
Term of patent 3½ years



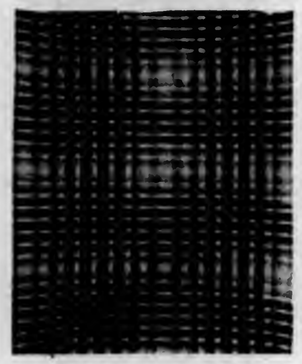
The ornamental design for a textile fabric, substantially as shown and described.

130,104
DESIGN FOR A TEXTILE FABRIC
Jack Rubin, New York, N. Y.
Application September 26, 1941, Serial No. 103,520
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

130,105
DESIGN FOR A TEXTILE FABRIC
Jack Rubin, New York, N. Y.
Application September 26, 1941, Serial No. 103,521
Term of patent 3½ years



The ornamental design for a textile fabric, suostantially as shown and described.

130,106
DESIGN FOR A UNIFORM
Arthur M. Berger, New York, N. Y.
Application October 1, 1941, Serial No. 103,594
Term of patent 3½ years



The ornamental design for a uniform, substantially as shown.

130,107
DESIGN FOR A UNIFORM
Arthur M. Berger, New York, N. Y.
Application October 1, 1941, Serial No. 103,595
Term of patent 3½ years



The ornamental design for a uniform, substantially as shown.

130,108
DESIGN FOR A DRESS ENSEMBLE
Martin Fein, New York, N. Y.
Application September 30, 1941, Serial No. 103,562
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown and described.

130,109
DESIGN FOR A DRESS
Martin Fein, New York, N. Y.
Application September 30, 1941, Serial No. 103,560
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

130,110
DESIGN FOR A DRESS
Martin Fein, New York, N. Y.
Application September 30, 1941, Serial No. 103,561
Term of patent 3½ years



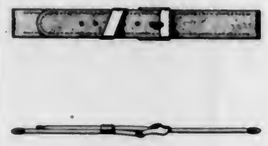
The ornamental design for a dress, substantially as shown and described.

130,111
DESIGN FOR A DRESS
Irving Goldstein, New York, N. Y.
Application September 30, 1941, Serial No. 103,567
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

130,112
DESIGN FOR A WATCH BRACELET STRAP
John P. Schultheiss, Attleboro, Mass., assignor to R. F. Simmons Company, Attleboro, Mass., a partnership consisting of Harold E. Sweet and Hayward H. Sweet
Application February 4, 1941, Serial No. 98,740
Term of patent 7 years



The ornamental design for a watch bracelet strap, substantially as shown.

Patents Nos. 2,260,280 to 2,261,101

THE
OFFICIAL GAZETTE
OF THE
United States Patent Office

Vol. 531—No. 4 TUESDAY, OCTOBER 28, 1941 Price—$16 per year

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CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

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October 28, 1941

Trade-Marks	215	No. 391,136 to No. 391,350, inclusive.
T. M. Renewals	26	
Reissues	2	No. 21,932 to No. 21,933, inclusive.
Patents	822	No. 2,260,280 to No. 2,261,101, inclusive.
Designs	108	No. 130,113 to No. 130,220, inclusive.
Total	1,173	

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,179,087, W. A. Gibbons, Asbestos yarn, decided October 4, 1941, claims 2 and 3.

Pat. 2,194,202, W. S. Graham, Ground working implement, decided October 7, 1941, claims 3, 4, and 15.

Trade-Mark Registrations Canceled

79,158. Condensed milk. Scio Condensed Milk Co., Scio, Oreg. (The Borden Western Company, renewant.) Registered August 9, 1910. Canceled October 10, 1941.

282,009. Wood polish. Midway Chemical Company, Chicago, Ill. Registered April 7, 1931. Canceled September 19, 1941.

349,141. Ignition circuit condenser. Henry O. Striker, doing business as Stromberg Ignition Company, Detroit, Mich. Registered August 17, 1937. Canceled September 19, 1941.

352,869. Perfumes. Scotch Products Incorporated, New York, N. Y. Registered December 14, 1937. Canceled September 12, 1941.

367,544. Baking powder. Temple Stephens Co., Moberly, Mo. Registered May 23, 1939. Canceled October 10, 1941.

378,371. Lubricating oils. Sherwood Petroleum Corporation, Mitchell, S. Dak. Registered June 4, 1940. Canceled September 12, 1941.

379,490. Intestinal astringent. Nyal Company, Detroit, Mich. Registered July 9, 1940. Canceled September 12, 1941.

Disclaimers

T. M. 287,830.—*Withers Brothers*, Los Angeles, Calif. FRESH CITRUS FRUITS, FRESH DECIDUOUS FRUITS, FRESH VEGETABLES. Registered October 13, 1931. Disclaimer filed August 4, 1941, by *Withers Brothers* (*Withers Brothers Ltd., assignee substituted*).

Hereby enters the following disclaimer—

Registrant will restrict its further use of the trade-mark "SUNTREAT" to fresh citrus fruits, fresh grapes, and fresh vegetables and hereby waives its right to use the mark "SUNTREAT" in connection with any other articles of food, including the goods recited in the registration and fruit and vegetable juices used for both food and beverage purposes, excepting, however, fresh citrus fruits, fresh grapes, and fresh vegetables.

2,073,885.—*Hans J. Spanner* and *Oscar Gadamer*, Berlin, Germany. ELECTRIC DISCHARGE TUBE. Patent dated March 16, 1937. Disclaimer filed October 6, 1941, by the assignee, *General Electric Company*.

Hereby enters this disclaimer of claim 7 of said patent.

2,237,936.—*Alexander H. Jackson*, Pittsburgh, Pa. RADIO ANTENNA. Patent dated April 8, 1941. Disclaimer filed September 22, 1941, by the assignee, *Blaw-Knox Company*.

Hereby enters this disclaimer as to claim 2 of said Letters Patent.

Notice

In accordance with the provisions of rule 17 of the Rules of Practice in the United States Patent Office, an examination for the registration of attorneys and agents to practice before the United States Patent Office will be held on Wednesday, December 10, 1941.

This examination may be taken in any of the large cities of the country and will be given under the direction of the Civil Service Commission. Applications to take the examination should be made to the Commissioner of Patents and such applications must be received in the Patent Office not later than November 26, 1941.

Application blanks may be obtained from the Chief Clerk of the Patent Office.

HENRY VAN ARSDALE,
Chairman of the Committee on Enrollment and Disbarment.

Condition of Applications Under Examination at Close of Business October 11, 1941

(Total number of applications awaiting action, excluding Trade-Mark Division, 44,781; Trade-Mark Division, 1,168. Oldest new case, Dec. 31, 1940; oldest amended, Jan. 21, 1941.)
(The dates given are 1941 except where † indicates 1940)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action: New	Oldest new application awaiting office action: Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Mar. 8	Mar. 6	746
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	May 7	Apr. 28	552
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	July 23	July 23	490
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating, Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	June 20	June 20	574
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	May 23	May 21	503
4898 C	6. LEWERS, A. M., Carbon Chemistry (part)	Mar. 12	Mar. 20	1123
5725	7. JARBOE, C. G., Optics; Photography	Apr. 24	Apr. 18	1007
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	Apr. 8	Apr. 10	869
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	May 6	May 9	533
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Apr. 2	Apr. 2	587
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	June 12	June 16	391
7701	12. SPINTMAN, SAMUEL (Act.), Machine Elements; Mechanical Starters: Stop Mechanisms	May 14	May 12	610
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Feb. 25	Feb. 20	618
5097	14. FREEHOF, H. B. (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	June 18	June 19	487
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Apr. 15	Apr. 14	1184
5716	16. SPENCER, C. J., Telegraphy; Telephony	May 31	May 28	512
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	May 28	May 26	688
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Apr. 25	Apr. 28	427
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Apr. 22	May 2	763
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Apr. 24	Apr. 28	479
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	June 10	June 17	304
5600	22. RINGLE, D., Aeronautics: Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	Jan. 20	Jan. 21	1385
7624	23. BUTTNER, W. J., Registers (part)	Mar. 14	Feb. 15	258
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Apr. 21	June 3	827
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	June 1	May 21	541
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	June 14	June 9	402
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	May 9	Apr. 25	562
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Elements: Cylinders and Pistons	June 28	May 15	342
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	Apr. 21	Apr. 18	790
4083	30. McCANN, L. P., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	June 17	June 12	377
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Apr. 22	Apr. 22	1453
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Apr. 15	Apr. 21	911
6096	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	Apr. 21	Apr. 18	1055
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Surface Track; Track Sanders' Draft Appliances; Signals and Indicators.	Mar. 13	Mar. 13	467
3876	35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Portable Receptacles	Apr. 4	Apr. 4	1021
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	May 12	May 2	543
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	May 29	May 24	530
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	†Dec. 31	Jan. 24	819
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	June 19	June 19	454
7880	40. DRUMMOND, E. J., Metallic, Wood, Paper, and Special Receptacles	Mar. 28	Mar. 28	1744
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	May 17	May 14	525
5882	42. CUTTING, H. O., Electric Signaling	June 4	June 14	346
4886 B	43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	May 9	May 10	627
4087 B	44. HARVEY, L. P., Refrigeration	Apr. 18	Apr. 24	546
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	July 28	July 11	287
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Apr. 1	Apr. 14	848
6082	47. KANOF, W. J., Clutches; Brakes	May 21	Apr. 30	396
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	June 2	June 5	541
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Apr. 16	Apr. 7	732
4701	50. LEVIN, S., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	Apr. 11	Apr. 11	1358
5628	51. BACKUS, C. D., Radiant Energy (part)	July 17	July 22	393
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	May 19	May 21	617
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Mar. 6	Feb. 21	792
5883	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	June 30	May 31	350
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	May 29	May 21	342
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	Mar. 11	Mar. 11	1278
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	Feb. 14	July 12	181
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Apr. 15	Apr. 30	541
4709	59. SHEPPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	Apr. 12	Apr. 14	1109
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	May 15	June 21	446
6724	61. YUNOKWAI, B., Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Mar. 26	Mar. 25	658
5621	62. PUGH, E. C., Games; Geometrical Instruments	June 20	July 1	595
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	Mar. 22	Mar. 18	1127
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	Feb. 19	Feb. 24	1231
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	July 12	July 1	496
2099 B	Trade Marks: F. A. RICHMOND	Aug. 20	Sept. 6	1168
2605	Designs: H. H. KALUPY	Sept. 4	Sept. 19	491

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

PUERTO RICO DISTILLING COMPANY
v.
THE COCA-COLA COMPANY

No. 4,471. Decided June 9, 1941. Petition for Rehearing denied July 23, 1941

[120 F.(2d) 370]

1. TRADE-MARKS—GOODS OF THE SAME DESCRIPTIVE PROPERTIES.
Alcoholic cocktails and beverages composed of rum, cola syrup, and lime juice, the rum being the principal ingredient, *Held* to be goods of the same general descriptive properties as the syrup product sold under the trade-mark "Coca-Cola" and used in making soft drinks, but also *Held* that the respective goods are specifically different.

2. SAME—CONFUSING SIMILARITY OF MARKS.
"It is • • • well settled that specific differences in goods which are of the same general descriptive character should be considered in connection with differences in marks in fairly determining the question of likelihood of confusion."

3. SAME—SAME—"RONRICOLA" AND "COCA-COLA."
The marks "Ronricola" and "Coca-Cola" when compared, each as a whole, *Held* not to be similar in suggestiveness, appearance, or sound.

4. SAME—SAME—SAME.
"The notation 'Ronricola' was obtained by adding 'la' to appellant's brand mark 'Ronrico.' We take it that the notation is suggestive of a mixed drink containing rum (Spanish 'Ron') and cola syrup or extract, but to our minds it does not even suggest a product such as Coca-Cola is well known to be."

5. SAME—SAME—SAME.
"Coca-Cola, by reason of its long and widely extended use, has come to have an almost universally understood meaning. • • •
"'Ronricola,' on the other hand, appears to be a comparatively new product and presumably is not widely known, but to those who purchase it, its characteristics undoubtedly are known and they will become known to those who become purchasers of it in the future, and it is inconceivable to us that it is or ever will be purchased by any one who wants nothing other than the soft drink universally known as Coca-Cola, or that there is likelihood of confusion either as to the characteristics or origin of the respective goods, or as to the origin of the ingredients composing appellant's product."

6. SAME—SAME—SAME.
In view of the specific difference between alcoholic cocktails and beverages composed of rum, cola syrup, and lime juice, and the syrup product sold under the trade-mark "Coca-Cola", and in view of the difference between the mark "Ronricola", applied to the former goods, and the trade-mark "Coca-Cola" *Held* that registration of the mark "Ronricola" should be allowed.

APPEAL from Patent Office. Reversed.

LENROOT, *J.*, and HATFIELD, *J.*, dissenting.

Mr. Ivan P. Tashof (*Mr. S. Pierre* and *Mr. Garland M. Budd, Jr.*, of counsel) for Puerto Rico Distilling Company.

Messrs. Spalding, Sibley, Troutman and Brock (*Mr. Frank Troutman* and *Mr. Edward S. Rogers*) for The Coca-Cola Company.

GARRETT, *P. J.*:

This is an appeal from the decision of the Commissioner of Patents reversing that of the Examiner of Interferences in a trade-mark opposition proceeding instituted in the United States Patent Office by appellee, Coca-Cola Company, against an application filed by appellant, Puerto Rico Distilling Company, for the registration of the notation "Ronricola" as a trade-mark for rum, alcoholic cocktails, and beverages containing substantial portions of rum.

The appellant is a corporation duly organized under the laws of the Territory of Puerto Rico, and for many years has been engaged in the manufacture of a rum which is sold under the trade name or brand of "Ronrico." In 1937 it began the manufacture of a drink, referred to as "Cuba Libre," composed of Ronrico rum, cola syrup, and lime juice, the rum being the principal ingredient, and on June 16, 1937, filed the application for registration of "Ronricola" as a trade-mark for such mixed drink, alleging use "since April 15, 1937." The application having been passed for publication and published, appellee filed notice of opposition, pleading the use and registration of the well known mark "Coca-Cola" on its syrup product, used in making soft drinks long prior to the date of appellant's application, and alleging, in substance, that the goods are of the same descriptive properties; that the respective marks are of such close resemblance that the use of "Ronricola" by appellant would be likely to cause confusion or mistake in the mind of the public or to deceive purchasers, and that appellee would be injured by its registration. Appellant made answer to the notice of opposition and so the issue was joined.

Testimony was taken on behalf of both parties which it is unnecessary to review in detail.

The Examiner of Interferences dismissed the notice of opposition and held that appellant was entitled to the registration sought. In so doing, he did not hold the goods of the respective parties to be of different descriptive properties, but said, inter alia:

> The record shows that the beverage sold by the applicant is a mixture of rum and cola syrup and that in this beverage the rum is the dominant part thereof and the cola syrup a minor part. Cola syrup is the generic name of an article of trade and is commonly used in the making of beverages. Its significance to purchasers as a feature of a composite mark used on a beverage of which it is also an ingredient is deemed not to be fanciful or arbitrary. • • • • • • • • • • • • • • •
>
> The goods of the opposer are in the nature of a soft drink and are so regarded by the general public. Their trade appeal is obviously quite different. It is thus apparent that the differences in the marks and the properties of the goods are considerable and it is believed that in view of the cumulative effect thereof concurrent use of these marks in trade on these goods would not be likely to confuse the public or to deceive purchasers. • • •

In reversing the decision of the Examiner of Interferences and sustaining the opposition, the Commissioner held that the goods of the respective parties "do in fact possess the same descriptive properties within the meaning of the Trade-Mark Act."

In connection with his holding on this phase of the case, the Commissioner cited certain prior decisions made by him. The first decision so cited was that in the case of *California Packing Corporation* (applicant) v. *Silver Swan Liquor Corporation* (opposer), 477 O. G. 770, 32 U. S. P. Q. 581. The applicant there applied for registration of "Gold Band" for use on whisky. The opposer pleaded, among other things, a registration of the same mark owned by it for ginger ale. The Commissioner, seemingly basing his view largely upon certain reasoning of this court in the case of *Meredith Publishing Co.* v. *O. M. Scott & Sons Co.*, 24 C. C. P. A. (Patents) 956, 88 F.(2d) 324, 32 U. S. P. Q. 516, 482 O. G. 243, held "that whisky and ginger ale are merchandise of the same descriptive properties," saying, that "they are frequently mixed together and imbibed from the same glass"; that "they are closely associated in the mind of the drinking public," and that "confusion may well result from their sale under *identical* marks." [Italics ours.] The second case cited was that of *White Rock Mineral Springs Company* v. *Neurad*, 477 O. G. 770, 33 U. S. P. Q. 163, in which the Commissioner held, in effect, that carbonated water possessed the same descriptive properties as distilled alcoholic liquors, including whisky, for which latter Neurad was seeking registration of the term "White Rock", a term which the appellant there had had registered either alone or in combination with other features prior to Neurad's filing date "for mineral water, ginger ale and other carbonated beverages." The third case cited was that of *Continental Distilling Corporation* (opposer) v. *Buston* (applicant), 500 O. G. 772, 40 U. S. P. Q. 566, wherein the Commissioner held, in effect, that gin and cola beverages of the soft drink type were of the same descriptive properties and that confusion would likely result from the registration of "Dixie Bell", the mark used by opposer for gin, for use on such soft drink beverages.

It will be observed that in two of the cases the applicant sought registration for use on a per se nonalcoholic beverage of a mark identical with one previously registered for use on alcoholic beverages and in the other case the applicant sought registration for use on an alcoholic beverage of a mark identical with one previously registered for a nonalcoholic beverage. No one of those cases was appealed but we may say that it is our present view that had we been called upon to review them, we would have felt constrained, under the facts there appearing, to agree with the Commissioner's denials of the registrations.

In the case of *American Brewing Company, Inc.*, v. *Delatour Beverage Corporation*, 26 C. C. P. A. (Patents) 778, 100 F.(2d) 253, 501 O. G. 293, which was a cancellation proceeding, the goods consisted of ginger ale on the one hand and beer and ale on the other, and we concurred in the view of the Commissioner that these "are of the same descriptive properties." The appellant there sought cancellation of a registration by the appellee, for use on ginger ale, of a mark consisting "of a representation of the Statue of Liberty and the printed words 'America Dry Ginger Ale'," the printed words being disclaimed. The mark of appellee, used on beer and ale, consisted of a composite mark comprising a representation of the Statue of Liberty and the word "Liberty."

The Commissioner took the view that while the goods were of the same descriptive properties within the meaning of the Trade-Mark Act, they nevertheless were specifically different and held that regardless of the presence of the representation of the Statue of Liberty in both marks there was no reasonable likelihood of confusion between them as applied to the goods involved.

In the course of our decision reversing that of the Commissioner, we said, inter alia:

> If the disclaimed words, "America Dry Ginger Ale," in registrant's mark should be given the same prominence and weight as the representation of the Statue of Liberty therein, we could agree with the Commissioner that, considering the difference in goods and the differences in the marks, there is no reasonable likelihood of confusion arising from the use of the respective marks; but we are of the opinion that disclaimed descriptive words in a mark should not be given the same prominence as that portion of the mark which possesses all of the qualities of a valid technical trade-mark. It is true that the general rule is that marks should be regarded in their entirety, including disclaimed words, but we do not think it could well be argued that disclaimed descriptive words could ever constitute the dominant part of a mark.

After citing certain authorities, we found that

> "the essential and dominant feature of the mark sought to be cancelled is the pictorial representation of the Statue of Liberty,"

and upon that basis held, in effect, that confusion would likely result from the use of the mark on ginger ale. The intimation of the opinion clearly is to the effect that had the marks not been, as respected the dominant feature of appellee's mark, substantially identical, our decision might have been different

> "considering the difference in goods and the differences in the marks."

[1] [2] Under the authorities above cited, we feel constrained to agree with the view of the Commissioner that the respective goods of appellant and appellee in the instant case "possess the same descriptive properties within the meaning of the Trade-Mark Act," but it is also true, as was said by the Commissioner of the goods involved in the American Brewing Co. case, supra, "they are nevertheless specifically different," and it is, of course, well settled that specific differences in goods which are of the same general descriptive character should be considered in connection with differences in marks in fairly determining the question of likelihood of confusion. *Vick Chemical Co.* v. *Central City Chemical Co.*, 22 C. C. P. A. (Patents) 996, 75 F.(2d) 517, 456 O. G. 505; *Joseph Tetley & Co., Inc.*, v. *Fant Milling Co., Etc.*, 27 C. C. P. A. (Patents) 1180, 111 F.(2d) 485, 520 O. G. 795.

In the instant case the Commissioner first considered the question relating to the descriptive properties of the respective goods, and then considered the matter of similarity of the marks. It was his conclusion that the statement of the Examiner of Interferences, quoted supra, was in conflict with views expressed by this court in the case of *Corn Products Refining Co.* v. *Coca-Cola Company*, 26 C. C. P. A. (Patents) 1181, 103 F.(2d) 385, 507 O. G. 781.

In that case we held "Dextra-Cola", "Cola" being disclaimed, applied to a nonalcoholic, maltless syrup for making soft drinks, to be confusingly similar to "Coca-Cola" (citing our decision in the case of *Steinreich* v. *The Coca Cola Co.*, 21 C. C. P. A. (Patents) 722, 67 F.(2d) 498, 438 O. G. 529, where "Vera-Coca" for use upon a noncereal, nonalcoholic, maltless beverage, sold as a soft drink, was held to be confusingly similar with "Coca-Cola"), saying, inter alia:

> Appellant insists that the word "Cola" is descriptive as used in the marks of the respective parties, and points to the fact that it has disclaimed the exclusive use of the word "Cola" apart from the mark as shown in the drawing.
>
> Upon this point we would observe that if the word "Cola" in appellee's registered mark is descriptive, so is the word "Coca", and the effect of appellant's contention is to challenge the validity of appellee's registrations upon which it relies. That this may not be done in an opposition proceeding is well established. • • •

As to the foregoing, it may be said that in the instant case there has been no disclaimer as to any part of appellant's mark, "Ronricola", nor has it been suggested that it is descriptive of the goods for use upon which the registration is sought; neither has there been any challenge of the validity of appellee's mark (which, incidentally, was upheld by the Supreme Court of the United States in the case of *Coca-Cola Co.* v. *Koke Co.*, 254 U. S. 143), and whatever may have been the view which the Examiner of Interferences intended to state (his decision was prior to our decision in the Corn Products Refining Co. case, supra), we think there is no conflict between our conclusion here reached and that which was reached in the latter case.

The Commissioner also cited our decision in the case of *King Kola Mfg. Co.* v. *Coca Cola Co.*, 26 C. C. P. A. (Patents) 704, 99 F.(2d) 983, 499 O. G. 261, where the notation "King Kola" applied on a syrup and a nonalcoholic beverage containing such syrup was held to be confusingly similar to "Coca-Cola."

[3] It will be observed that in each of the last three cases cited the syrup and drinks of the respective parties contesting with the Coca-Cola Company were nonalcoholic in character and were seemingly directly competitive with Coca-Cola. It can hardly be said that the product of appellant here is competitive with Coca-Cola. The "Cola" element of appellant's "Ronricola" may be larger in volume, but unquestionably the product is purchased primarily because of its alcoholic content. When the marks are compared, each as a whole, they do not impress us as being similar in suggestiveness, appearance, or sound.

[4] The notation "Ronricola" was obtained by adding "la" to appellant's brand mark "Ronrico." We take it that the notation is suggestive of a mixed drink containing rum (Spanish "Ron") and cola syrup or extract, but to our minds it does not even suggest a product such as Coca-Cola is well known to be. That appellant had knowledge of appellee's mark at the time it adopted its mark is obvious and is conceded, but under the facts here appearing we find no reason to draw any inference adverse to appellee from that circumstance.

[5] Coca-Cola, by reason of its long and widely extended use, has come to have an almost universally understood meaning. In the case of *Coca-Cola Co.* v. *Koke Co.*, supra, the court said:

> It [Coca-Cola] means a single thing coming from a single source, and well known to the community. It hardly would be too much to say that the drink characterizes the name as much as the name the drink.

"Ronricola", on the other hand, appears to be a comparatively new product and presumably is not widely known, but to those who purchase it, its characteristics undoubtedly are known and they will become known to those who become purchasers of it in the future, and it is inconceivable to us that it is or ever will be purchased by any one who wants nothing other than the soft drink universally known as Coca-Cola, or that there is likelihood of confusion either as to the characteristics or origin of the respective goods, or as to the origin of the ingredients composing appellant's product.

The Coca-Cola Company, of course, has no monopoly upon the production of cola syrup or cola extract, or whatever that particular element which enters into its Coca-Cola product may be. Cola syrup or extract, as is well known, is derived from a product of nature—a species of nut or bean—and is open to the world to produce. We are unable to conclude that by reason of appellee's mark it can prevent another producer of such syrup or extract from describing his product by use of the word "Cola" so long as the word is used in a manner which does not impinge upon appellee's mark. The record here discloses that in the beginning appellant used a label on which it was stated that Coca-Cola was an ingredient of Ronricola, but the use of such label, apparently having been objected to by appellee, was discontinued, and it appears that any cola product may be used.

Appellee urges that there is grave danger of confusion as to origin—that is, that purchasers may conclude that Ronricola is the product of appellee. We are unable to discern any sound reason for such apprehension, in view of the distinctive differences between the goods and the marks, and in view of the widely known character of appellee's product and business. It has not been suggested that appellee has any purpose or desire of expanding its business so as to include a product similar to that of appellant, nor is there anything in this record to indicate that appellant proposes to produce a product having the actual per se characteristics of Coca-Cola, as was the case in the instances of the "Vera-Cola", "Dextra-Cola", and "King Kola" marks above recited.

Appellee also has stressed vigorously the contention that it would be damaged by confusion resulting from the purchasing public concluding that the "cola" which enters the "Ronricola" drink originated with the Coca-Cola Company. We are

of the opinion that there is no more likelihood of confusion arising by reason of the last stated consideration than there would be by reason of the first.

[6] While we recognize the validity of appellee's mark and its right to protection thereof, we must also, when a case comes before us for adjudication, recognize that all who are engaged in interstate commerce have rights under the Trade-Mark Registration Act and be governed accordingly in our decisions. So, here, in view of the differences between the goods and the marks, we feel constrained to hold that the registration sought should be allowed.

It is understood by us that a requirement made by the Commissioner for the deletion of the word "rum" where it first appears in appellant's application, "If upon further appeal it be adjudged that applicant is entitled to the registration applied for," has been or will be acquiesced in by appellant. We think its deletion proper, and approve the Commissioner's holding in that respect.

For the reasons stated, the decision of the Commissioner sustaining the opposition and denying appellant's right of registration is reversed.

Reversed.

LENROOT, *J.*, (dissenting):

I respectfully dissent from the conclusion reached by the majority and the reasoning upon which such conclusion is based.

In my opinion there is likelihood of confusion of origin in the use of the mark "Ronricola" by appellant upon its goods, in that purchasers of the same may conclude that Ronricola is the product of appellee.

Upon this point the majority opinion states:

> • • • We are unable to discern any sound reason for such apprehension, in view of the distinctive differences between the goods and the marks, and in view of the widely known character of appellee's product and business. It has not been suggested that appellee has any purpose or desire of expanding its business so as to include a product similar to that of appellant, nor is there anything in this record to indicate that appellant proposes to produce a product having the actual per se characteristics of Coca-Cola, as was the case in the instances of the "Vera-Cola", "Dextra-Cola", and "King Kola" marks above recited.

I do not understand the relevancy of the above-quoted observations. It is not a question of whether appellee may expand its business by making a beverage identical with that made by appellant. The test is, would purchasers of the beverage Ronricola be likely to assume that appellee had expanded its business and that the product Ronricola was being made and sold by appellee. Whether appellee ever makes such a beverage is wholly immaterial.

As was said in the case of *Elgin American Mfg. Co.* v. *Elizabeth Arden, Inc.*, 23 C. C. P. A. (Patents) 1168, 83 F.(2d) 687, 471 O. G. 483:

> • • • The real question confronting us is whether the goods of the respective parties are so related, commercially or otherwise, that, when marketed under the involved trade-marks, the purchasing public might reasonably conclude that they originated with the same concern.

That such confusion of origin is likely in the case at bar is, in my judgment, plainly evident by the facts of record in this case.

One of the registrations of the mark "Coca-Cola" relied upon by appellee is No. 47,189, dated October 31, 1905, which registration was issued under the ten-year clause of section 5 of the act of February 20, 1905. In other words, the term "Coca-Cola" had acquired a secondary meaning which, under the express provisions of said section 5, entitled it to registration. The provision reads as follows:

> • • • *And provided further,* That nothing herein shall prevent the registration of any mark used by the applicant or his predecessors, or by those from whom title to the mark is derived, in commerce with foreign nations or among the several States or with Indian tribes which was in actual and exclusive use as a trade-mark of the applicant, or his predecessors from whom he derived title, for ten years next preceding February twentieth, nineteen hundred and five: • • •.

The effect of this registration made it wholly immaterial that "Coca" may be descriptive of a product made from coca leaves, or that "Cola" may be descriptive of a product of the cola nut.

In the case of *Thaddeus Davids Co.* v. *Davids*, 233 U. S. 461, 470, 202 O. G. 952, the court, in discussing the ten-year clause of said section 5, stated:

> • • • Their exclusive use as trade-marks for the stated period was deemed in the judgment of Congress a sufficient assurance that they had acquired a secondary meaning as the designation of the origin or ownership of the merchandise to which they were affixed. And it was manifestly in this limited character only that they received statutory recognition, and, on registration, became entitled to protection under the act.

In view of the foregoing it seems plain that appellant had no right to appropriate one-half of appellee's mark and use the same as a portion of its mark if, regarding the word "Cola" as not descriptive, there would be likelihood of confusion arising from such use. In other words, appellant had no right, in view of appellee's registration, to use the word "Cola" as a part of a mark for the purpose of indicating origin of its goods.

In the case of *Saxlehner* v. *Eisner & Mendelson Company*, 179 U. S. 19, 33, 93 O. G. 940, the court said:

> • • • It is not necessary to constitute an infringement that every word of a trade-mark should be appropriated. It is sufficient that enough be taken to deceive the public in the purchase of a protected article. • • •

The majority opinion states:

> It will be observed that in each of the last three cases cited the syrup and drinks of the respective parties contesting with the Coca-Cola Company were nonalcoholic in character and were seemingly directly competitive with Coca-Cola. It can hardly be said that the product of appellant here is competitive with Coca-Cola. The "Cola" element of appellant's "Ronricola" may be larger in volume, but unquestionably the product is purchased primarily because of its alcoholic content. When the marks are compared, each as a whole, they do not impress us as being similar in suggestiveness, appearance, or sound.

In the case of *Elgin American Mfg. Co.* v. *Elizabeth Arden, Inc.*, supra, the goods involved were in no sense competitive, the goods of appellant being soap receptacles, etc., and the goods of appellee being soap. We reversed the decision of the Commissioner of Patents and held that appellee's mark should not be registered because of likelihood of confusion in origin.

In the case at bar it is established that appellant's beverage and appellee's beverage are sold over the same counters to the same purchasers, and that they are frequently used together in making mixed drinks. The fact that appellee's beverage is also sold in places where appellant's beverage is not sold is immaterial.

It appears that the bottles of appellant's goods first sold in interstate commerce, which sale is relied upon by appellant to qualify it to register its mark, contained, in addition to the mark "Ronricola," the following:

A Bottled
CUBA LIBRE
Made With Genuine
RONRICO RUM AND COCA COLA
Contains 33⅓% By Volume Of
RONRICO RUM
At 86 Proof
One Quart—14.5% Alcohol by Vol.

Made and Bottled by PUERTO RICO DISTILLING CO.
At Arecibo, P. R.

It also appears that negotiations were carried on by appellant with the view of securing the cooperation of the Coca-Cola Company in assisting the Ronrico Corporation, the selling agent of appellant, to obtain Coca-Cola syrup for the mixture with Ronrico rum and lime. This cooperation was rejected by appellee. In a letter from the sales manager of the Ronrico Corporation to the attorneys for appellee it is stated:

> Please be advised that as a result of our meeting with you, in Atlanta, several months ago, wherein we discussed the possibility of the use of the facsimile of your bottle as well as your trade-mark, in connection with the promotion of the drink known as "Cuba Libre", we discontinued the use of the Coca Cola bottle and any mention thereto, in connection with our promotional material.

It is well settled that the circumstances under which appellant adopted its mark may properly be considered in determining the question of confusing similarity. *Corn Products Refining Co.* v. *Coca-Cola Company*, 26 C. C. P. A. (Patents(1181, 103 F.(2d) 385, 507 O. G. 781, and cases therein cited.

It is clear to me that appellant had the trade-mark of appellee in mind when it selected its mark, and that it deliberately selected the term "Cola" with the hope of profiting by the good-will of appellee and its extensive advertising, amounting to more than $85,000,000.

It is appellant's position before us, as stated in its brief, that:

> • • • The proofs show, beyond a doubt, that each mark denoted origin of the goods of the respective parties, and by no stretch of the imagination could it be successfully concluded that Ronricola would even remotely suggest that the applicant's Cuba Libre was "either manufactured" by opposer or "in some manner sponsored by opposer," as contended by the Commissioner. • • •

And yet in the letter from the Ronrico Corporation to appellee's attorneys we find the following:

> • • • • • • • •
>
> Attached, please find a tear sheet from the October Issue of the "Hotel Industry". You will note an interesting article in connection with the first Fall meeting of the I. B. A., which meeting was addressed by a well-known wine and liquor authority, Mr. G. Selmer Fougner.
>
> This article leaves no doubt that the Carioca Rum Company is very closely associated with the Coca Cola Company in the promotion of a drink known as the Carioca Cooler. The presence of Mr. Homer Thompson, of the New York Coca-Cola Bottling Company, at this meeting, is further indicative of the association.
>
> Naturally, the writer is at quite a loss to understand your statement to him at the time of our meeting several months ago, at which you stated definitely that the Coca-Cola Company had no association whatsoever with the Carioca Rum Company and, as a matter of fact, had secured an injunction against these people for the use of the Coca-Cola name and facsimile of the bottle in their advertising.

Appellee's attorneys, in replying to said letter, denied the association with the Carioca Rum Co. referred to in the letter, but attention is called to it here for the reason that, if appellant's selling agent believed that appellee was interested in a beverage containing rum, it is altogether likely that purchasers of appellant's goods bearing the mark "Ronricola" might believe that appellee was also interested in a beverage containing rum and Coca-Cola, and thus ascribe origin of appellant's product to appellee.

Because I believe that the mark "Ronricola", used upon appellant's goods, would, by reason of the inclusion of the word "Cola" therein, lead purchasers of such goods to believe that their origin was in appellee, it is my judgment that the decision appealed from should be affirmed.

I am authorized to say that Judge Hatfield concurs in this dissent.

U. S. Court of Customs and Patent Appeals

IN RE SLYE

No. 4,495. Decided July 2, 1941

[121 F.(2d) 512]

PATENTABILITY—COUNTING MECHANISM.

Claim to a counting mechanism *Held* patentable over the prior art.

APPEAL from Patent Office. Reversed.

Mr. T. Clay Lindsey and *Mr. George N. Robillard* for Slye.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting claim 66 in appellant's application for a patent for an alleged invention relating to counting mechanism adapted to register both the quantity and cost of gasoline being dispensed from a filling station pump.

Several claims in appellant's application were allowed by the Primary Examiner.

Appealed claim 66 reads:

> 66. The combination with a counter including counter wheels, transfer mechanism for actuating the higher order wheels, resetting mechanism for said wheels including reset pawls on said wheels, a shaft having portions engaging said pawls and rotatable in a resetting direction to effect resetting of said wheels, and stop means stopping said wheels in reset position, of means for effecting prior to the next counting operation a reverse rotation of said shaft separating said portions from said pawls.

The particular element in claim 66 relied upon here by counsel for appellant as leading patentability to the appealed claim is

> "stop means stopping said [counter] wheels in reset position"

in combination with

> "means for effecting prior to the next counting operation a reverse rotation of said [resetting] shaft separating said portions from said pawls."

The reference is: Chase, 1,471,306, October 16 1923.

Counting mechanisms of the character of that here involved must, after an operation, be capable of being readily reset so that upon starting another operation both the quantity and cost indi-

cators register zero, otherwise the registration of both the quantity and cost of gasoline will be inaccurate.

Appellant's device, including the improvements therein over the prior art, is clearly set forth in the Primary Examiner's statement to the Board of Appeals. We quote from the Examiner's statement:

> The invention relates to a counting mechanism adapted to register both the quantity and cost of gasoline which is dispensed from a filling station pump. Such pumps, sometimes referred to as computing pumps usually comprise an underground source of liquid supply, a motor, a pump, a meter for measuring the liquid delivered, a register driven by the meter to indicate quantity delivered, and a second register driven from the meter through a variator to indicate the cost of liquid delivered. The variator may consist of a change gear mechanism which is capable of being set to drive the cost register at varying speeds, and the settings are made and changed to correspond to the current price per unit volume. It is usual in this type of registering device, as is the case in this application, to provide the register head with two oppositely disposed faces, each of which displays the same indications, that is, the gallons delivered and the cost thereof.
>
> Devices such as these, of course, must be capable of being readily reset to zero, so that upon starting a delivery, both the quantity and cost registers show "zero," in order that the true cost and quantity will be displayed at the end of any particular dispensing operation.
>
> It is a particular object of this invention to improve the resetting mechanism. In this device, the resetting is accomplished by turning the wheels forwardly, or in the same direction that they rotate during a dispensing operation, and this type of zeroizing action makes possible two undesirable results; first, that the wheels may be moved too far, that is, beyond their zero position; and second, that, due to the forward turning of the wheels, they may drag forward the gearing which connects them to their primary driving source, and hence, when a new registering operation is started, following the zeroizing operation, due to the backlash which has been introduced into the gearing, some idle movement of the registering train ensues before the backlash is taken up. During this idle movement, the registering train, at the beginning of a dispensing operation, following a resetting, although liquid is being dispensed, it is not being registered and, hence, the filling station proprietor is losing due to inaccurate registration.
>
> To avoid these two objectionable features, the device of this application provides an over-throw-preventing mechanism which stops the wheels when they reach zero, and a backlash eliminating mechanism, which puts a brake onto the driving element of a clutch in the driving train and thus holds the gearing in a position in which it was at the end of one dispensing operation, keeps it from moving during the zeroizing operation so that at the beginning of a subsequent dispensing operation, it is ready immediately to drive the register without any objectionable lag due to backlash.

It will be observed from the quoted excerpt from the Examiner's statement that, unless a device of the character of that here involved is capable of being readily and positively reset at zero "so that upon starting a delivery, both the quantity and cost registers show 'zero,'" the "quantity and cost" of gasoline will not be registered accurately.

It further appears from the quoted excerpt from the Examiner's statement that appellant has provided a counting mechanism in which, by means of an "over-throw-preventing mechanism," the counter wheels are positively stopped "when they reach zero," and that, in addition thereto, he has also provided a

> "backlash eliminating mechanism, which puts a brake onto the driving element of a clutch in the driving train and thus holds the gearing in a position in which it was at the end of one dispensing operation, keeps it from moving during the zeroizing operation so that at the beginning of a subsequent dispensing operation, it is ready immediately to drive the register without any objectionable lag due to backlash."

In rejecting the appealed claims on the patent to Chase, the Primary Examiner stated that the patentee disclosed a detent which at the end of one revolution of the "zeroizing shaft" enters a notch and, as the Examiner stated,

> "*offers* resistance to the turning of the shaft." [Italics ours.]

The Examiner further stated that the "zeroizing shaft" was then turned reversely, although it might be

> "turned further [forwardly] after the detent engages the notch, the structure in the patent which offers resistance to turning, together with the structure for effecting reverse turning, *effects the same result as is effected by the mechanism of claim 66*, and is believed to fairly meet the requirements of this claim, *for to modify the structure of Chase in order to make the offering of resistance positive* [that is, in order to positively stop the counter wheels at zero] is believed a change involving mechanical skill, and not invention." [Italics ours.]

In affirming the decision of the Primary Examiner, the Board of Appeals said:

> As to claim 66, the sole question is whether it required invention to provide a stop means for stopping the wheels in reset position. We believe that, *when it was found that through intent or carelessness the wheels did not always stop at zero in the Chase device, the addition of a stop means was an obvious expedient and devoid of invention.* [Italics ours.]

It will be observed that the tribunals of the Patent Office recognized that the structure defined in the patent to Chase does not include resetting mechanism which will positively reset the wheels at zero. The Primary Examiner stated that it would be obvious to modify the structure disclosed in the patent to Chase in order to accomplish the results obtained by appellant, and which were obviously not obtained by the Chase structure. No suggestion is made in either of the decisions below, however, as to how that modification might be accomplished.

The mechanism here involved is somewhat intricate, and the solution of the problem confronting appellant (which was of considerable importance to dispensers of gasoline and to the purchasing public) was not simple.

There is nothing in the patent to Chase, nor is there anything else of record, except appellant's disclosure, to suggest how the defect, conceded to be present in the Chase structure, could be remedied. Accordingly, we are unable to agree with the views expressed by the tribunals of the Patent Office that the structure defined by the appealed claim would be obvious to one skilled in the art.

For the reasons stated, the decision of the Board of Appeals is reversed.

Reversed.

U. S. Court of Customs and Patent Appeals

DWINELL-WRIGHT COMPANY
v.
GEORGE P. GUNDLACH, DOING BUSINESS AS ESMOND, GUNDLACH AND COMPANY

No. 4,518. Decided July 2, 1941

[121 F.(2d) 639]

1. TRADE-MARKS—GOODS OF SAME DESCRIPTIVE PROPERTIES—ICE CREAM, AND TEA AND COFFEE.
Ice cream *Held* to be goods of the same descriptive properties as tea and coffee.

2. SAME—SIMILARITY OF MARKS.
Trade-mark "White House" for use on ice cream *Held* confusingly similar to registered trade-marks having the dominant words "White House" in association with a pictorial representation of a white house for use on tea and coffee.

APPEAL from Patent Office. Reversed.

Messrs. Mason, Fenwick and Lawrence for Dwinell-Wright Company.

Mr. Herbert J. Jacobi for George P. Gundlach, doing business as Esmond, Gundlach and Company.

HATFIELD, *J.:*

This is an appeal in a trade-mark opposition proceeding from the decision of the Commissioner of Patents affirming the decision of the Examiner of Interferences dismissing appellant's notice of opposition and holding that appellee was entitled to register the trade-mark "White House" for use on ice cream.

In its application for registration appellee stated that it had used its trade-mark on its goods since February 1, 1923.

Appellant is the owner of trade-mark registrations Nos. 77,624 and 77,625, issued April 26, 1910, for the words "White House" in association with a pictorial representation of a white house for use on tea and coffee, respectively, the words "White House" being the dominant feature of appellant's marks.

The marks of the parties being substantially identical and appellant being the prior user of the words "White House" as a trademark, the sole issue in the case is whether the goods of the respective parties possess the same descriptive properties within the purview of the confusion-in-trade clause of section 5 of the Trade-Mark Act of February 20, 1905.

The tribunals of the Patent Office concurred in holding that the goods of the parties—tea and coffee on the one hand and ice cream on the other—were not goods of the same descriptive properties; that appellee was entitled to register its "White House" trade-mark for use on ice cream, and, accordingly, dismissed appellant's notice of opposition.

It appears from the record that appellant has advertised and sold its goods—tea and coffee—under its trade-mark throughout the United States; that its coffee is sold both in tins and in paper cartons; that its tea is sold in paper cartons; that it and its predecessor have expended approximately $4,000,000 in advertising its goods and its trade-mark; and that appellant has received in the neighborhood of 30,000 letters addressed "White House Coffee, Boston, Mass." It further appears from the record that coffee, tea, and ice cream are food products and are sold in the same stores to the same class of people for relatively moderate prices; that although appellant's tea and coffee are always sold to the retail trade in package form, ice cream is not always so sold; that coffee is frequently used as a flavoring for ice cream; and that coffee-flavored ice cream is known as "coffee ice cream."

In the case of *White House Milk Products Co., etc.* v. *Dwinell-Wright Co.*, 27 C. C. P. A. (Patents) 1194, 111 F.(2d) 490, 520 O. G. 266, we held that canned milk and tea and coffee possessed the same descriptive properties.

In the case of *California Packing Corporation* v. *Tillman & Bendel, Inc.*, 17 C. C. P. A. (Patents) 1048, 40 F.(2d) 108, 394 O. G. 789, we held that coffee and fruits and vegetables (canned, dried, and preserved), pork and beans, relishes, sauces, etc., possessed the same descriptive properties.

If, as held in the case of *White House Milk Products Co., etc.* v. *Dwinell-Wright Co.*, supra, tea and coffee possess the same descriptive properties as milk, it would be rather far-fetched to hold that ice cream, consisting mainly of milk and cream (flavored and frozen), does not possess the same descriptive properties as tea and coffee, particularly in view of the fact that it is frequently flavored with coffee and, when so flavored, is known as "coffee ice cream."

If appellee is entitled to register the "White House" mark for use on ice cream, it, of course, would have the right, so far as registration is concerned, to advertise "White House Coffee Ice Cream," which advertisement obviously would indicate to the purchasing public that "White House Coffee" and "White House Coffee Ice Cream" originated in appellant.

[1] [2] We have given careful consideration to the decisions of the Patent Office tribunals and to the arguments presented here by counsel for appellee, but are of opinion that tea and coffee on the one hand and ice cream on the other possess the same descriptive properties; that the marks of the respective parties are confusingly similar; that appellee is not entitled to register its mark; and that appellant's notice of opposition should have been sustained.

For the reasons stated, the decision of the Commissioner of Patents is reversed.

Reversed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,498,269, J. J. Harris, Adhesive material, filed June 12, 1941, D. C., S. D. Ind. (Indianapolis), Doc. 398, *J. J. Harris* v. *General Insulating & Mfg. Co.*

1,695,302, F. W. Thompson, Electric heater, D. C., N. D., Ohio, E. Div., Doc. E 5748, *F. W. Thompson et al.* v. *The Federal Machine & Welder Co. et al.* Dismissed without prejudice for want of prosecution Sept. 5, 1941.

1,933,099, H. Derman, Built up container; 2,009,482, same, Wardrobe, closet and the like; 2,070,924, same, Wardrobe, cabinet and the like; 2,172,956, same, Cabinet; 2,200,329, same, Double door closet; 2,206,347, 2,206,767, same, Collapsible cabinet; 2,235,573, same, Duplex door cabinet; 2,235,574, same, Top shelf portable closet; 2,236,870, same, Knockdown cabinet, filed Sept. 3, 1941, D. C., S. D. N. Y., Doc. 15/351, *H. Derman et al.* v. *Odora Co., Inc., et al.*

1,984,916, G. E. Bullock, Velocipede frame construction, D. C., N. D. Ohio, W. Div., Doc. 4358, *The E. C. Brown Co.* v. *The American National Co.* Dismissed Sept. 5, 1941.

1,989,487, F. H. McCormich, Door catch; 2,158,881, same, Range, filed Aug. 28, 1941, D. C., S. D. Ohio, W. Div., Doc. 381, *Edison General Electric Appliance Co., Inc.*, v. *The Estate Stove Co.*

2,005,600, A. B. Tappen, Distributor nozzle; 2,184,596, A. J. Hutchinson, Process of treating gases, filed Aug. 25, 1941, D. C., S. D. Tex. (Houston), Doc. 594, *The Fluor Corp., Ltd.*, v. *E. J. Hudson et al.*

2,009,482. (See 1,933,099.)

2,020,273, A. L. Arenberg, Lighting equipment; Des. 104,235, same, Light-transmitting panel for a lighting fixture, D. C., N. D. Ohio, W. Div., Doc. 4484, *Patent License Corp.* v. *Superior Body Co. et al.* Dismissed without prejudice, upon application of plaintiff Sept. 2, 1941.

2,034,697, F. Factor, Cosmetic make-up base and method of manufacture; 2,101,843, Factor & Fisher, Dry make-up cosmetic in solid cake form, D. C. Calif. (Los Angeles), Doc. 883–BH, *Max Factor & Co.* v. *Jack Dawn & Co. Inc., et al.* Pursuant to stipulation, cause dismissed without prejudice Sept. 11, 1941.

2,069,265, S. Musher, Stabilized fat and oil; 2,199,364, 2,221,404, same, Treatment of glyceride oils, filed Sept. 10, 1941, D. C., S. D. N. Y., Doc. 15/395, *Musher Foundation, Inc., v. Alba Trading Co., Inc.*

2,070,924. (See 1,933,099.)

2,086,431. Penick & Penick, Tubing head; Re. 21,627 (of 2,213,503), same, Wellhead, D. C., E. D. Tex. (Beaumont), Doc. 158, *A. J. Penick et al.* v. *Beaumont Iron Works Co.* Dismissed without prejudice Sept. 8, 1941.

2,101,843. (See 2,034,697.) 2,158,881. (See 1,989,487).

2,172,956. (See 1,933,099.)

2,174,707, E. Prati, Process for treating fruit pomace, filed Sept. 8, 1941, D. C., N. D. Calif. (Sacramento), Doc. 4377–S, *E. Prati* v. *Franzia Bros. Winery.*

2,184,596. (See 2,005,600.) 2,199,364. (See 2,069,265.)

2,200,329. (See 1,933,099.)

2,201,068, G. Wintritz, Manufacture of slide fasteners; 2,221,740, F. Ulrich, Manufacture of slide fastener elements, filed Aug. 26, 1941, D. C., S. D. N. Y., Doc. 2225, *Conmar Products Corp.* v. *H. Tebony.*

2,206,347. (See 1,933,099.) 2,206,767. (See 1,933,099.)

2,213,503. (See 2,086,431.) 2,221,404. (See 2,069,265.)

2,221,740. (See 2,201,068.)

2,223,534, R. C. Shipp, Device for taking up railways, filed June 24, 1941, D. C., S. D. Ind. (Indianapolis), Doc. 410, *Railpullers, Inc.*, v. *Indiana Asphalt Paving Co., Inc., et al.*

2,235,573. (See 1,933,099.) 2,235,574. (See 1,933,099.)

2,236,870. (See 1,933,099.)

2,245,440, J. W. Jacobs, Refrigerating apparatus; 2,251,827, H. D. Geyer, Freezing tray, filed Aug. 25, 1941, D. C., E. D. Mich., S. Div., Doc. 2850, *General Motors Corp.* v. *Bowen Products Corp.*

2,251,827. (See 2,245,440.)

Re. 21,627. (See 2,086,431.)

Des. 104,235. (See 2,020,273.)

Des. 117,427, S. Howard, Textile fabric, D. C., S. D. N. Y., Doc. 8/41, *Flora Dress Co.* v. *Lombardy Dresses, Inc.* Judgment (notice Sept. 8, 1941).

Des. 121,448, S. Novak, Dress ensemble, D. C., S. D. N. Y., Doc. 10/138, *Flora Dress Co.* v. *Lombardy Dresses, Inc.* Judgment dismissing complaint (notice Sept. 9, 1941).

Des. 121,554, S. Novak, Dress ensemble, D. C., S. D. N. Y., Doc. 10/413, *Flora Dress Co.* v. *Lombardy Dresses, Inc.* Judgment (notice Sept. 8, 1941).

Des. 121,984, S. Novak, Dress, D. C., S. D. N. Y., Doc. 10/486, *Flora Dress Co.* v. *Lombardy Dresses, Inc.* Judgment dismissing complaint (notice Sept. 9, 1941).

Des. 128,450, W. Hermann, Dress ensemble, filed Sept. 12, 1941, D. C., S. D. N. Y., Doc. 15/407, *Flora Dress Co.* v. *Leanore Frocks, Inc., et al.*

Des. 129,248, E. Wener, Dress, filed Sept. 9, 1941, D. C., S. D. N. Y., Doc. 15/382, *Flora Dress Co.* v. *Ramo Frocks, Inc., et al.*

Adjudicated Patents

(C. C. A. Ind.) Couch and Wallace patent, No. 1,325,234, for wringer mechanism for clothes washers, *Held* invalid. *Apex Electrical Mfg. Co.* v. *Maytag Co.*, 122 F.(2d) 182.

(C. C. A. Ind.) Eden patent, No. 1,408,869, for wringer for washing machines, claims 3, 5, 8, 9, 10, and 11 *Held* valid and infringed. *Id.*

(C. C. A. Ill.) Barry patent, No. 1,473,694, for metal wheel, claims 2, 4, 5, and 7 *Held* not infringed. *Barry* v. *General Tire & Rubber Co.*, 122 F.(2d) 123.

(D. C. Pa.) Hahn patent, No. 1,715,323, for hosiery, *Held* invalid. *Artcraft Silk Hosiery Mills* v. *Roman Stripe Mills*, 40 F. Supp. 127.

(C. C. A. Mo.) Volland patent, No. 1,848,086, for curtain-operating mechanism, *Held* not infringed. *Vallen* v. *Volland*, 122 F.(2d) 175.

(D. C. Pa.) Stroedter patent, No. 1,966,319, for driving gear of reciprocating mechanism such as jiggers, shaking conveyors, and the like, claims 1 to 4 *Held* invalid. *Eickhoff* v. *Vulcan Iron Works*, 40 F. Supp. 161.

(C. C. A. Mo.) Vallen patent, No. 2,012,460, for curtain operating apparatus. *Held* valid and infringed. *Vallen* v. *Volland*, 122 F.(2d) 175.

(App. D. C.) Frick patent, No. 2,081,856, for rotatable bin, *Held* invalid. *Frick-Gallagher Mfg. Co.* v. *Rotray Corporation*, 122 F.(2d) 81.

(D. C. N. Y.) Mele patent, No. 2,127,366, for garment, claims 1 to 3 *Held* invalid. *Mele* v. *R. H. Macy & Co.*, 40 F. Supp. 54.

(D. C. Md.) Baker patent, No. 2,207,449, for photoprinting apparatus, claims 4 and 5 *Held* invalid. *Baker* v. *Sterling Engraving Co.*, 40 F. Supp. 203.

(C. C. A. Ind.) Prachar reissue patent, No. 19,217, for ironing machine, claims 13, 14, 18, 19, 20, 21, and 24 *Held* invalid. *Apex Electrical Mfg. Co.* v. *Maytag Co.*, 122 F.(2d) 182.

(D. C. N. Y.) Berman design patent, No. 114,915, for design for a dress, *Held* invalid. *Vicky Sportswear* v. *Buntly Frocks*, 40 F. Supp. 55.

(D. C. N. Y.) Novak design patent, No. 117,527, for design for a dress, *Held* invalid. *White* v. *Lombardy Dresses*, 40 F. Supp. 216.

(D. C. N. Y.) Novak design patent, No. 121,448, for design for a dress ensemble, *Held* invalid. *Id.*

(D. C. N. Y.) Novak design patent, No. 121,542, for design for a dress ensemble, *Held* invalid. *Id.*

(D. C. N. Y.) Novak design patent, No. 121,554, for design for a dress ensemble, *Held* invalid. *Id.*

(D. C. N. Y.) Novak design patent, No. 121,660, for design for a dress ensemble, *Held* invalid. *Id.*

(D. C. N. Y.) Novak design patent, No. 121,984, for design for a dress, *Held* invalid. *Id.*

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS

RENDERED DURING SEPTEMBER, 1941

EDWIN L. WIEGAND COMPANY *v.* LANDERS, FRARY & CLARK, Opposition No. 19,972.

In a decision rendered September 3, 1941 (163 Ms. Dec. 805, 50 U. S. P. Q. 632), *First Assistant Commissioner Frazer* affirmed the decision of the Examiner of Trade-Mark Interferences dismissing the opposition of Edwin L. Wiegand Company, of Pittsburgh, Pa., to the application of Landers, Frary & Clark, of New Britain, Conn., for registration of the notation "Universal Superheat" as a trade-mark for "electric range and hot plate heating elements and electric range units." The case went to final hearing on the notice of opposition and applicant's motion to dismiss, and the First Assistant Commissioner stated that the only question needing determination was whether or not applicant's mark is confusingly similar to opposer's trade-mark "Super-Speed," previously registered for substantially the same goods as those set forth in the application. In regard to this question the First Assistant Commissioner said:

"The word 'Superheat,' as used in applicant's mark, is purely descriptive, and the mark was refused registration by the Examiner of Interferences in the absence of an appropriate disclaimer. No appeal was taken from that ruling, so that if the registration issues it will necessarily include such disclaimer. With the word 'Superheat' disclaimed, I am convinced that opposer will not be damaged by the proposed registration; nor do I believe there is any reasonable likelihood that the public will be confused, or that purchasers will be deceived. The two marks 'Universal Superheat' and 'Super-Speed' do not look alike, sound alike, nor have the same meaning; and both are comprised of words in common use, and are thus less likely to be confused than would be the case if the marks were fanciful."

PEPPERELL MANUFACTURING COMPANY *v.* COLLEGIATE MANUFACTURING COMPANY, INC., Opposition No. 19,716.

In a decision rendered September 4, 1941 (163 Ms. Dec. 806, 50 U. S. P. Q. 633), *First Assistant Commissioner Frazer* reversed the decision of the Examiner of Trade-Mark Interferences and thereby sustained the opposition of Pepperell Manufacturing Company, of Boston, Mass., to the application of Collegiate Manufacturing Company, Inc., of New York, N. Y., for registration of the notation "Kool-Nite," with the word "Kool" disclaimed, as a trade-mark for "women's nightgowns and pajamas."

As stated by the First Assistant Commissioner, opposer is the owner of the trade-mark "Koolnite," registered for blankets prior to applicant's claimed date of first use. The First Assistant Commissioner remarked that, since the two marks are substantially identical, the only question for determination was whether or not the goods to which they are respectively appropriated possess the same descriptive properties within the meaning of the Trade-Mark Act. In disagreeing with the Examiner on this question he said:

"It is my opinion, * * * that many women whose blankets bear opposer's trade-mark, and whose nightgowns bear the mark of applicant, might very reasonably assume that both are produced by the same concern, particularly if the nightgowns are made of heavy materials such as flannelette. The intimate association of the two articles in use is an important factor to be considered, and in view of the nature of the goods creates in my mind at least a reasonable doubt upon the question of probable confusion. Applying the familiar rule that such doubt must be resolved against the newcomer, I think the opposition should have been sustained."

JOHN WALKER & SONS, LIMITED, *v.* JOSE MARIA MENENDEZ, Cancellation No. 3333.

In a decision rendered September 10, 1941 (163 Ms. Dec. 807, 50 U. S. P. Q. 634), *First Assistant Commissioner Frazer* affirmed the decision of the Examiner of Trade-Mark Interferences dismissing the petition of John Walker & Sons, Limited, of London, England, to cancel trade-mark registration No. 201,561, issued July 28, 1925, under the provisions of the act of March 19, 1920, to Jose Maria Menendez, of Sanford, Fla.

The mark of the registration that was sought to be cancelled is the name "Johnnie Walker" for cigars, and the petition for cancellation was predicated upon petitioner's ownership of the same mark for whisky. The First Assistant Commissioner stated that the record established priority of use in petitioner of the name in question, and its registration under the act of February 20, 1905, both alone and in association with other features.

In dismissing the petition the Examiner ruled that cigars and whisky are of different descriptive properties. The First Assistant Commissioner agreed with this ruling and said:

"It appears that the two items are frequently handled by the same wholesale dealers and jobbers, and are sold to the public in the same retail establishments. It is also true that to some extent they are related in use. These are circumstances to be considered, and in a close case might be of controlling importance. But the goods here involved differ so widely in all their essential characteristics that such factors are entitled to but little weight."

Before the First Assistant Commissioner the petitioner advanced the argument that in a cancellation proceeding it is immaterial that the goods to which the marks of the parties are respectively applied may be of different descriptive properties. In regard thereto the First Assistant Commissioner said:

"Section 2 of the act of 1920 provides that a registration under that act shall be canceled upon the application of any person deeming himself injured, if it is made to appear 'that the registrant was not entitled to the exclusive use of the mark at or since the date of his application for registration thereof.' Manifestly, however, the quoted language has reference to exclusive use with respect to merchandise of the class set forth in the registration. One using the same mark for merchandise of a different class can suffer no injury within the meaning of the statute, because, as observed by the

Supreme Court in *American Steel Foundries* v. *Robertson*, 269 U. S. 372, 1926 C. D. 289:

"'The mere fact that one person has adopted and used a trade-mark on his goods does not prevent the adoption and use of the same trade-mark by others on articles of a different description. There is no property in a trade-mark apart from the business or trade in connection with which it is employed.'"

The petitioner also urged that respondent's registration should be cancelled on the ground of res judicata, but the First Assistant Commissioner found such doctrine to be inapplicable. He stated:

"It appears that respondent applied for registration under the provisions of the act of February 20, 1905, of the name 'Johnnie Walker,' in association with a picture long used by petitioner in connection with whisky, as a trade-mark for cigars, and that the said application was successfully opposed by petitioner. If for no other reason than that the mark there sought to be registered was not the same mark as the one here in question, the doctrine of res judicata is, in my opinion, inapplicable."

EX PARTE THE CHEMICAL FOUNDATION OF KANSAS COMPANY, Serial No. 388,974.

In a decision rendered September 11, 1941 (163 Ms. Dec. 810, 50 U. S. P. Q. 636), *Assistant Commissioner Van Arsdale* affirmed the action of the Examiner of Trade-Marks in refusing registration to The Chemical Foundation of Kansas Company, of Atchison, Kansas, of a mark consisting of the word "Agrol" printed on the outline of a shield, applied to internal combustion engine fuels.

The Examiner refused registration in view of a prior registration of the word "Agro" for gasoline.

In his decision the Assistant Commissioner said:

"To my mind the marks are clearly confusingly similar in sound and in appearance, and their concurrent use by the parties on the goods to which they are applied would result in confusion and deception of purchasers."

EX PARTE BRIGGS & STRATTON CORPORATION, Serial No. 437,756.

In a decision rendered September 11, 1941 (163 Ms. Dec. 811, 50 U. S. P. Q. 636), *Assistant Commissioner Van Arsdale* affirmed the action of the Examiner of Trade-Marks in refusing registration to Briggs & Stratton Corporation, of Milwaukee, Wis., of a mark consisting in the surnames "Briggs & Stratton" printed in prominent block letters surrounded by an elongated octagonal frame superimposed on a diamond-shaped outline. The Assistant Commissioner held that the Examiner correctly refused registration on the ground that the surnames of the mark are not distinctively displayed. He said:

"In my opinion the composition of the mark is such that observers will be impressed by and will remember the surnames rather than the manner in which the names are displayed, and that the appearance of the mark does not outweigh the significance of the surnames as indicating origin of the goods."

EX PARTE ANITRA INC., Serial No. 401,520.

In a decision rendered September 12, 1941 (163 Ms. Dec. 811, 50 U. S. P. Q. 637), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks in refusing registration under the provisions of the act of February 20, 1905, to Anitra Inc., of New York, N. Y., of the word "Koala," as a trade-mark for "ladies' coats and suits, made of wool, mohair, and llama." The ground of refusal by the Examiner was that "the mark is descriptive (or misdescriptive) of the goods."

In explaining the reasoning of the Examiner and agreeing therewith, the First Assistant Commissioner said:

"'Koala' is the name of an Australian fur-bearing animal, and of the pelt of such animal, and is so defined in the dictionaries. As pointed out by the Examiner, and not denied by applicant, 'it is common to use various animal fibres, as wool, in the production of a textile fabric resembling fur and known as "fur cloth" or "fur fabric."' The Examiner was thus of the opinion that 'if a coat fabric may be made resembling koala, the use of this word in connection with fabric coats is publici juris, and, furthermore, that a trade-mark used in connection with such fabric coats should have no capacity for misleading or deceiving prospective purchasers.'"

The First Assistant Commissioner, however, asserted that, in his opinion, there was a more serious objection to applicant's mark than that raised by the Examiner. This objection he set forth as follows:

"It is a matter of common knowledge that ladies' fabric coats are often trimmed with fur. Whether applicant's coats are so trimmed does not appear, but there is no reason why they should not be if applicant chooses; and a fur-trimmed coat bearing applicant's mark might reasonably be assumed by the purchaser to be trimmed with koala. Moreover, other manufacturers have the undoubted right to trim their coats with koala, or with any other fur, and to mark them with the appropriate descriptive word. Prima facie that right would be impaired were applicant's mark registered."

The First Assistant Commissioner noted applicant's argument that

"whatever the term 'koala' means to the public in the United States it has derived from appellant's use of the term and not from its knowledge of the arboreal phascolarctoid marsupial, designated by the term 'koala,' which here is practically unknown to the public."

In reply to this argument the First Assistant Commissioner stated:

"Of course, it is not necessary that the descriptive significance of a word be understood by all purchasers to render it non-registrable as a trade-mark. *In re Richfield Oil Company*, 24 C. C. P. A. 996, 88 Fed.(2d) 499. And the meaning of the word 'koala' is much more generally known in this country than applicant's counsel seem to believe. Attached to the brief on appeal are the affidavits of numerous individuals engaged in the coat and suit trade, to the general effect that the affiants had no knowledge until recently that there existed such an animal as the koala. The koala bear, however, has been described in a number of widely read publications. See, for example, The National Geographic Magazine for September, 1931, and The Saturday Evening Post for January 27, 1934. Certainly many readers of those two popular magazines must have a very definite knowledge of the primary significance of applicant's mark; and that such is the significance intended to be conveyed is evidenced by the labels filed with the application, upon which the mark is displayed in association with the picture of a koala bear in characteristic pose."

EX PARTE CONTINENTAL MOTORS CORPORATION, Serial No. 422,272.

In a decision rendered September 15, 1941 (163 Ms. Dec. 813, 50 U. S. P. Q. 638), *Assistant Commissioner Van Arsdale* affirmed the action of the Examiner of Trade-Marks in refusing registration to Continental Motors Corporation, of Detroit and Muskegon, Mich., of the word "Continental" for goods specified in the application as follows:

"Engine driven lighting and power plants including both stationary and portable engine driven lighting and power plants of the direct current type of 6, 12 and 32 volt, and which plants vary in size and capacity and produce from substantially 200 watts to 5000 watts, as well as 110 volt A. C. lighting and power plants of varying capacity; replacement generators solely for the above engine driven lighting and power plants, storage batteries employed with said plants and other electrical accessories for use with said plants; and all parts thereof"

The Examiner based his refusal of registration on a prior registration issued to Continental Electric Co., Inc., of the words "Continental Electric" with the word "Electric" being disclaimed, for electric motors, electric generators, alternators, rotary converters, motor-generator sets, dynamotors and switchboards.

After noting that the applicant had conceded that the marks are confusingly similar, the Assistant Commissioner stated that the sole question presented for determination by him was whether or not in the application there are goods listed which are of the same descriptive properties as goods listed in the cited registration. In answering that question in the affirmative the Assistant Commissioner said:

"Engine driven power plants include generators which are driven by an engine to produce electric power. Both the engine and the generator are major parts of the plant. In my opinion such power plants are assemblies of the same descriptive properties as the motor-generator sets named in the cited registration. In such sets a generator is driven by an electric motor to produce electric power and the generator is an important part.

"Further, just because the generators named in the application are stated to be for replacement solely for applicant's power plants does not, to my mind, make those generators goods of not the same descriptive properties as electric generators generally, as embraced in the prior registration.

"It is noted that applicant in its brief states 'generators as manufactured and sold by the Continental Electric Co., may be used in engine driven lighting and power plants.' Accordingly, to apply the name 'Continental' to applicant's engine driven power plant which includes a generator in my opinion would lead persons familiar with the trade-mark 'Continental Electric' of the cited registration as applied to generators and motor-generator sets to be confused and deceived as to the source of origin of the plant."

SHARP & DOHME, INCORPORATED, *v.* PENNSYLVANIA MEDICINE CO., Opposition No. 19,339.

In a decision rendered September 15, 1941 (163 Ms. Dec. 814, 50 U. S. P. Q. 639), *First Assistant Commissioner Frazer* affirmed the decision of the Examiner of Trade-Mark Interferences dismissing the opposition of Sharp & Dohme, Incorporated, of Philadelphia, Pa., to the application of Pennsylvania Medicine Co., of Johnstown, Pa., for registration of the notation "Sal Disol" as a trade-mark for "laxatives and antacids."

Opposer relied upon its prior use and registration of the trade-mark "Sal-Laxa" for "a laxative effervescent compound."

In his decision the First Assistant Commissioner said:

"I am in agreement with the Examiner of Interferences that there is no reasonable likelihood that confusion will result from applicant's use of the mark sought to be registered, nor that opposer will be damaged by such registration. Considered as a whole, applicant's mark differs substantially from the mark of opposer both in sound and in appearance; and so far as the record discloses, as applied to the particular goods here involved, neither mark has any meaning to purchasers apart from its trade-mark significance."

THE COCA-COLA COMPANY *v.* JACOB RIES BOTTLING WORKS, INC., Opposition No. 18,941.

In a decision rendered September 15, 1941 (163 Ms. Dec. 815, 50 U. S. P. Q. 639), *First Assistant Commissioner Frazer* reversed the decision of the Examiner of Trade-Mark Interferences and thereby sustained the opposition of The Coca-Cola Company, of Atlanta, Ga., to the application of Jacob Ries Bottling Works, Inc., of Shakopee, Minn., for registration of the notation "Rock Spring Kola," with a disclaimer of the word "Kola," as a trade-mark for "maltless, noncereal, nonalcoholic beverages." Applicant claimed to have used said mark since November 16, 1938. Opposer relied upon its ownership of the well-known trade-mark "Coca-Cola," used with goods substantially identical with those of applicant, and first registered for such goods in 1893.

The First Assistant Commissioner noted that the decision of the Examiner was predicated largely upon the finding that the word "Cola" of opposer's mark, and the equivalent word "Kola" of applicant's mark, are descriptive of the goods. In regard to this finding the First Assistant Commissioner said:

"In so holding the Examiner appears to have overlooked the case of *Corn Products Refining Co.* v. *The Coca-Cola Co.*, 26 C. C. P. A. 1181, 103 Fed.(2d) 385, where the United States Court of Customs and Patent Appeals disposed of this precise point in the following language:

"'Appellant insists that the word "Cola" is descriptive as used in the marks of the respective parties, and points to the fact that it has disclaimed the exclusive use of the word "Cola" apart from the mark as shown in the drawing.

"'Upon this point we would observe that if the word "Cola" in appellee's registered mark is descriptive, so is the word "Coca," and the effect of appellant's contention is to challenge the validity of appellee's registrations upon which it relies. That this may not be done in an opposition proceeding is well established.'"

Applicant cited the case of *Dixi-Cola Laboratories, Inc.*, v. *The Coca-Cola Co.*, 117 Fed.(2d) 352, 48 U. S. P. Q. 164, recently decided by the Circuit Court of Appeals for the Fourth Circuit. With respect to said citation, the First Assistant Commissioner stated:

"The views there expressed are in some respects contrary to those entertained by the Court of Customs and Patent Appeals, and support the conclusions reached by the Examiner in the instant proceeding. However, the Court of Customs and Patent Appeals has appellate jurisdiction over the Patent Office; and its rulings, to the exclusion of those of the circuit courts of appeals, are binding upon the Patent Office tribunals."

EX PARTE THE STEEL STORAGE FILE COMPANY, Serial No. 412,312.

In a decision rendered September 16, 1941 (163 Ms. Dec. 816, 51 U. S. P. Q. 52), *First Assistant Commissioner Frazer* reversed the action of the Examiner of Trade-Marks and held that the latter should not have refused registration to The Steel Storage File Company, of Cleveland, Ohio, of the notation "Safe T Stack" as a trade-mark for filing cabinets.

The Examiner based his refusal on the ground that the mark is descriptive of the goods. In his decision the First Assistant Commissioner said:

"While the question is a close one, I am inclined to agree with counsel for applicant that the mark is no more than highly suggestive of a possible characteristic of such goods, and in the absence of opposition is entitled to registration."

GENERAL FOODS CORPORATION *v.* FELS & COMPANY, Opposition No. 19,218.

In a decision rendered September 16, 1941 (163 Ms. Dec. 817, 51 U. S. P. Q. 52), *First Assistant*

Commissioner Frazer affirmed the decision of the Examiner of Trade-Mark Interferences dismissing the opposition by General Foods Corporation, of New York, N. Y., to the application of Fels & Company, of Philadelphia, Pa., for registration of the word "Huskier," as a trade-mark for "soap chips," but reversed the Examiner's adjudication that applicant was entitled to the registration applied for.

In regard to the dismissal of the opposition the First Assistant Commissioner said:

"The opposition was properly dismissed, because, as opposer now concedes, the goods in which opposer deals are not of the same class as those to which applicant's mark is appropriated; and the similarity of opposer's trade-mark to applicant's said mark thus becomes immaterial."

As to the other matter, the First Assistant Commissioner stated that the registration applied for should have been refused on the ex parte ground that it is merely descriptive of applicant's goods. He agreed with applicant's counsel that the word "Huskier" is not one that would normally be employed to describe such goods, but he found that the record establishes beyond question that applicant has so used it, and has taught the purchasing public to ascribe to it a purely descriptive meaning.

In his decision the First Assistant Commissioner cited evidence to support his conclusion that applicant adopted the word "Huskier" because of its colloquially descriptive significance, and has used it to describe a claimed characteristic of the goods to which it is applied, rather than as a trade-mark to indicate their origin.

EX PARTE PERFECT GARMENT COMPANY, Serial No. 428,824.

In a decision rendered September 17, 1941 (163 Ms. Dec. 820, 51 U. S. P. Q. 55), *Assistant Commissioner Van Arsdale* denied a petition by the Perfect Garment Company, of Baltimore, Maryland, that the Examiner of Trade-Marks be directed to withdraw the reference cited by him against the application by said company under section 1(*b*) of the Trade-Mark Act of March 19, 1920, for registration of a mark consisting essentially of the word "Hollywood" for various items of children's, misses' and women's sportswear.

The Examiner refused registration on a prior registration, No. 241,240, issued to another under the same section of the same act for frocks, dresses and aprons for women, misses and children.

The petitioner urged that because the cited registration issued under the act of 1920, it carries no presumption of continuing use and affords no evidence of ownership, and the act of 1920 specifies that for the prior registration to be a bar to registration by applicant under section 1(*b*) of the act the mark of the prior registration must be owned and in use by another. In response thereto the Assistant Commissioner said:

"• • • in order that an applicant may be accorded registration under section 1(*b*) of act of 1920 it must be made to appear that applicant has had bona fide exclusive use of the mark for not less than one year preceding the date of filing the application, and claims to be proprietor of the mark and of the goods to which the mark is applied. By granting the registration the exclusive use by the applicant is recognized, as well as his proprietorship of the mark and the goods. Since recognition of exclusive use by one person denies any use by others, the grant of a registration under section 1(*b*) of the act of 1920 necessarily constitutes an adjudication that any prior registrant under section 1(*b*) of act of 1920 of the same mark for the same goods was not entitled to exclusive use of the mark during the time the later registrant was deemed to be the exclusive user. Then it would seem to follow that if such later registration were granted over the earlier one the later registration itself would be evidence that the prior registrant was not using the mark of the prior registration, or entitled to exclusive use of it, and thus would constitute a valid basis for cancellation of the prior registration under sec. 2 of the act. I do not find in the act of 1920 any justification for such a situation.

With further reference to section 2 of the act of 1920, the Assistant Commissioner said:

"Sec. 2 of act of 1920 makes it clear that when cancellation of a registration under the act of 1920 is applied for the registration sought to be canceled does not itself raise any presumption that the registrant is not entitled to exclusive use of the mark, or that the mark is not used by the registrant or has been abandoned. The pertinent part of sec. 2 of act of 1920 is as follows:

"'If it appear after a hearing before the Examiner that the registrant was not entitled to the exclusive use of the mark at or since the date of his application for registration thereof, or that the mark is not used by the registrants or has been abandoned, and the Examiner shall so decide, the Commissioner shall cancel the registration.'

"Under sec. 2 of act of 1920 registrant's lack of right to exclusive use, or non-use or abandonment must be made to appear. Certainly the registration sought to be canceled is not itself evidence of lack of continuing use of the mark registered."

The Assistant Commissioner concluded that the burden is on an applicant filing under section 1(*b*) of the act of 1920 to show non-use by a prior registrant under the same section of the act of 1920, or lack of right to exclusive use or abandonment. He said:

"The principal question presented here concerns the status of a registration under section 1(*b*) of act of 1920 with respect to a later application for registration under the same section of the act for substantially the same mark for similar goods. Must the prior registration be disregarded entirely because it does not constitute evidence of ownership and use by the registrant of the mark registered? Or should the registration be recognized to the extent of negativing a presumption of actual bona fide exclusive use of the mark by the subsequent applicant unless it appears affirmatively that the prior registrant is not entitled to the exclusive right to the mark of the registration or is not using it or has abandoned it? I think such registration has the status last mentioned, and which is similar to the status it has when sought to be canceled under sec. 2 of the 1920 act. Such status does not require that the registration be considered either evidence of ownership and use or evidence of non-ownership or non-use, but merely as constituting notice of record that the registrant may be continuing to use the mark, leaving it to the party who has the burden of proof in the particular proceeding to establish whichever fact as to use as is necessary to support his cause."

The Assistant Commissioner stated that he did not consider that conclusion inconsistent with the decisions which hold a registration under section 1(*b*) of the act of 1920 may not properly be cited against a 1905 application. He said:

"Under act of 1920 an applicant filing under section 1(*b*) thereof must allege actual bona fide exclusive use of the mark. Under act of 1905 an applicant is not required to assert actual exclusive use, but merely use and right to exclusive use. There is a difference between actual exclusive use and right to exclusive use. It does not seem inconsistent to hold on the one hand, that because a registration under section 1(*b*) of act of 1920 puts into question actual exclusive use of the registered mark by others, it may prohibit registration to another under section 1(*b*) of the act, and on the other hand to hold that because such registration constitutes no evidence of ownership of the mark by registrant it does not constitute a bar to granting registration to another under act of 1905. In other words, the fact that a registration under section 1(*b*) of act of 1920 indicates that persons other than the registrant do not have actual exclusive use of the mark does not make the registration available against an applicant under the act of 1905 because such applicant to secure registration does not need to have actual exclusive use of the mark but mere use and right to exclusive use. An applicant filing under section 1(*b*) of act of 1920 does have to have actual exclusive use of the mark."

The Assistant Commissioner ruled that the refusal of the Examiner to grant applicant the registration applied for because barred by the cited prior registration No. 241,240, issued under the act of March 19, 1920, was justified and proper.

EX PARTE G. H. S. CORPORATION, Serial No. 402,122.

In a decision rendered September 17, 1941 (163 Ms. Dec. 818, 51 U. S. P. Q. 53), *Assistant Commissioner Van Arsdale* denied a petition by G. H. S. Corporation, of New York, N. Y., that the decision of the Examiner of Trade-Marks refusing registration to that company under the act of March 19, 1920, of the mark "Vogue" for hair curlers and hair wavers be reversed.

The Examiner refused registration in view of a prior registration No. 207,086, issued under the act of 1920 to another for the mark "Vogue" applied to hard rubber combs for dressing, ornamenting and cleaning the hair, the Examiner holding the goods involved to be of the same descriptive properties.

With respect to contentions by the applicant and holdings of the Examiner, the Assistant Commissioner said:

"Applicant does not contend seriously that hair curlers and hair wavers are not goods of the same descriptive properties as hair combs, but calls attention to certain registrations under act of 1920 of the mark 'Vogue' for hair nets issued to applicant prior to the cited registration No. 207,086 and contends that applying the mark to hair curlers and hair wavers is merely a normal extension of the use of the mark which should be permitted, and further contends that hair curlers and hair wavers are more closely related to hair nets than to hard rubber hair combs and therefore any doubt as to the registrability of the mark applied for should be resolved in applicant's favor. The Examiner considered hair curlers and hair wavers to be more nearly related to hard rubber hair combs than to hair nets and held that in view of the intervening registration to another for hard rubber combs applicant's prior registrations for hair nets did not give applicant the right to extend its mark to hair curlers and hair wavers."

The Assistant Commissioner, however, concluded that in his view of the situation presented the sole question was whether or not hair curlers and hair wavers are goods of the same descriptive properties as hard rubber hair combs. With reference to the proviso in sec. 1(*b*) of the act of 1920, he said:

"This proviso indicates an intent to avoid likelihood of confusion or mistake or deception resulting from registration of marks under the act. For this reason it seems to me the reference to bona fide exclusive use referred to in the first part of section 1(*b*) should be interpreted to require exclusive use of the mark not only as applied to identical goods but also as applied to goods of the same descriptive properties.

"Although the intervening registration of the mark 'Vogue,' being under the act of 1920, is not itself evidence of ownership or use of the mark registered (*Armstrong Paint & Varnish Works* v. *Nu-Enamel Corp. et al.*, 305 U. S. 315, 498 O. G. 753), it puts into question exclusive use of the mark 'Vogue' by applicant for goods of the same descriptive properties as the hair combs named in the registration. In my opinion hair curlers and hair wavers are goods of the same descriptive properties as hard rubber hair combs, and therefore applicant is not entitled to registration because of the uncertainty created by the cited prior registration as to applicant having had the bona fide use of the mark which is required by the statute.

"I consider that applicant's prior registrations for hair nets have no precise bearing on the question involved because those registrations are not in themselves evidence of ownership or use of the mark for any goods. (*Armstrong Paint & Varnish Works* v. *Nu-Enamel Corp. et al.*, supra.)"

The Assistant Commissioner ruled that the Examiner of Trade-Marks correctly refused the registration applied for.

RICE-STIX DRY GOODS COMPANY *v.* MAISON BLANCHE COMPANY, Opposition No. 18,692.

In a decision rendered September 18, 1941 (163 Ms. Dec. 823, 51 U. S. P. Q. 57), *First Assistant Commissioner Frazer* affirmed the decision of the Examiner of Trade-Mark Interferences sustaining the opposition of Rice-Stix Dry Goods Company, of St. Louis, Mo., to the application of Maison Blanche Company, of New Orleans, La., for registration of the notation "Top Test," enclosed in a somewhat fanciful border, for goods described in the application as

"men's dress shirts, sport shirts and undershirts; men's pajamas; neckties made of silk, wool, cotton or combinations thereof; men's hosiery; men's underwear."

The applicant took no testimony and, as the First Assistant Commissioner stated, hence established no earlier date of use than the filing date of its application, namely December 12, 1938. Opposer relied upon its ownership of the trade-mark "Test," registered May 25, 1915, and renewed, for men's and boys' overalls, jumpers, work-pants, work-shirts, work-coats, and boys' blouses." The applicant suggested that its goods and opposer's are of different descriptive properties, but the First Assistant Commissioner found the similarity to be so close as to amount to substantial identity in trade-mark law. The marks he also found to be confusingly similar. He said:

"The Examiner held, and I am constrained to agree, 'that the marks here involved bear such near resemblance as to be likely to cause confusion if used concurrently in trade upon goods possessing the same descriptive properties.' In support of their argument to the contrary, counsel for applicant cite a number of old cases, concerning which it need only be said that all are either distinguishable from the case at bar, or are no longer followed. More nearly in point are *Jacob Forst Packing Co.* v. *Antrim & Sons*, 118 Fed.(2d) 576, 49 U. S. P. Q. 64, where the Court of Customs and Patent Appeals held the two marks 'Old Mansion' and 'Mansion Brand' to be confusingly similar; *Lever Brothers Co.* v. *The Sitroux Co.*, 27 C. C. P. A. 858, 109 Fed.(2d) 445, where that court refused registration of the notation 'Sit-ru-lux' over the previously registered mark 'Lux'; and *Weyenberg Shoe Manufacturing Co.* v. *Hood Rubber Co.*, 18 C. C. P. A. 1449, 49 Fed.(2d) 1046, where the same ruling was made with respect to the marks 'Red Arrow' and 'Arrow.' Incidentally, in at least two of those cases the goods involved were much less closely related than are those of the instant case."

THE FIRESTONE TIRE & RUBBER COMPANY *v.* UNITED STATES RUBBER PRODUCTS, INC. (UNITED STATES RUBBER COMPANY, ASSIGNEE, SUBSTITUTED), Trade-Mark Interference No. 3095.

In a decision rendered September 19, 1941 (163 Ms. Dec. 825, 51 U. S. P. Q. 58), *First Assistant Commissioner Frazer* affirmed the decision of the Examiner of Trade-Mark Interferences dissolving interference No. 3095. This proceeding involved an application of United States Rubber Products, Inc., assigned to United States Rubber Company, of New York, N. Y., and an application of The Firestone Tire & Rubber Company, of Akron, Ohio, both seek-

ing registration of the notation "Earth Mover" as a trade-mark for rubber tires.

The Examiner held the mark to be non-registrable to either party because descriptive of the goods. The Firestone Tire & Rubber Company appealed. The First Assistant Commissioner stated that it appeared from exhibits of record that appellant's "Earth Mover" tires are designed for the "free-rolling wheels of slow-speed buggies, scrapers, and dirt wagons," and that appellant conceded that if applied to a vehicle the mark "would be either descriptive or misdescriptive depending upon whether the vehicle was intended to move earth," but argued that the mark does not describe vehicle tires nor their character or quality, but is at most no more than suggestive of such goods.

In response to this argument the First Assistant Commissioner said:

"I think it is fairly well established that a mark which informs purchasers of the use to which an article of commerce is to be put is descriptive of that article within the meaning of the Trade-Mark Act. *In re General Permanent Wave Corporation* (C. C. P. A.), 118 Fed.(2d) 1020, 49 U. S. P. Q. 184. Nor is it material upon this question that such article may be adapted to uses additional to the one described. *In re Hair Net Packers, Inc.*, 28 C. C. P. A. 715, 115 Fed.(2d) 254. That the expression 'Earth Mover' describes one intended use of appellant's tires seems clear beyond argument.

* * * * * * *

"* * * the mark 'Earth Mover' is descriptive of use in the same sense as would be the word 'vehicle,' which obviously is descriptive of vehicle tires."

ESQUIRE, INC., v. CANNAY PUBLISHING COMPANY, Opposition No. 19,656.

In a decision rendered September 23, 1941 (163 Ms. Dec. 826, 51 U. S. P. Q. 59), *Assistant Commissioner Van Arsdale* reversed the decision of the Examiner of Trade-Mark Interferences and thereby sustained the opposition of Esquire, Inc., of Chicago, Ill., to the application by Cannay Publishing Company, of Boston, Mass., for registration of the word "Escort" for "magazine." The opposition was based on prior use and registration by Esquire, Inc., of the word "Esquire," for "monthly publication."

The Examiner considered the marks to be so different in meaning, sound and appearance that their concurrent use on magazines would not be likely to cause confusion, especially since, in his opinion, purchasers of magazines constitute a discriminating class. The Assistant Commissioner concluded, however, that the words "Esquire" and "Escort," as used by the parties, are so similar in meaning, appearance and sound, that their concurrent use on magazines would be likely to cause confusion and deception of purchasers, and expressed the opinion that purchasers of magazines are not so discriminating that such confusion would be unlikely.

He said:

"One meaning of 'Esquire' is 'a gentleman escorting a lady', and one meaning of 'Escort' is 'an individual accompanying another or others for protection or as a mark of honor or courtesy' (Webster's New International Dictionary, 2nd Edition, 1940). Thus the reference to escorting a lady the words 'Esquire' and 'Escort' have the same meaning. Of course they have other meanings also, but none more likely to be suggested when applied to magazines calling attention to theatres, dancing places, restaurants, and the like, as the magazines of both parties do."

THE PROCTER & GAMBLE COMPANY *v.* JOSEPH METRIE, Opposition No. 19,417.

In a decision rendered September 23, 1941 (163 Ms. Dec. 827, 51 U. S. P. Q. 59), *Assistant Commissioner Van Arsdale* affirmed the decision of the Examiner of Trade-Mark Interferences sustaining the opposition by The Procter & Gamble Company, of Cincinnati, Ohio, to the application of Joseph Metrie, of Milwaukee, Wis., for registration of the mark "Epso" for soap.

As stated by the Assistant Commissioner, the notice of opposition alleged and the record established use by opposer of the mark "Chipso," for soap, specifically soap in flake and granule form, long before the date of first use by appellant of its mark "Epso" for soap.

The goods of the parties being the same and opposer's priority established, the main question for determination by the Assistant Commissioner was whether the marks are confusingly similar. Upon that question he ruled as follows:

"In my opinion I consider the marks so similar in sound and in appearance that their concurrent use on soap would be likely to cause confusion and mistake in the mind of the public and to deceive purchasers as to the origin of the goods."

CLUETT, PEABODY & CO., INC., *v.* P. H. HANES KNITTING COMPANY, Cancellation No. 3691.

In a decision rendered September 29, 1941 (163 Ms. Dec. 830, 51 U. S. P. Q. 82), *Assistant Commissioner Van Arsdale* affirmed the decision of the Examiner of Trade-Mark Interferences sustaining the petition by Cluett, Peabody & Co., Inc., of Troy, N. Y., to cancel the registration of P. H. Hanes Knitting Company, of Winston-Salem, N. C., under the act of March 19, 1920, of the mark "Crotch-Guard" for one-piece and two-piece undergarments in knitted or woven material for men, women, and children, namely, shirts, drawers and union suits.

The application for that registration was filed January 3, 1939, under act of February 20, 1905, and changed to act of 1920 on January 2, 1940, and stated continuous use of the mark by registrant since December 20, 1938. The petition for cancellation alleged ownership of a registration granted April 7, 1936, under the act of February 20, 1905, of the mark "The Guards" for collars, and alleged ownership and use of the mark "Guards" for underwear continuously since a date prior to adoption by respondent of its mark "Crotch-Guard" for underwear, and asserted injury by the registration against which the petition was directed. The respondent contended that the petitioner had not established a satisfactory showing of use of either the mark "The Guards" for collars or of the mark "Guards" for underwear at the time of filing of the petition for cancellation and therefore had not shown itself injured by respondent's registration. In regard to this contention the Assistant Commissioner stated:

"Several of appellee's witnesses testified that appellee sold collars bearing the registered trade-mark 'The Guards' continuously since 1925, but the only specific sales of such collars appellee attempted to prove were within the period of from January 1925 through December 1937. There is no direct statement by any witness that appellee has discontinued the use of that mark on collars since 1937, or that there has been any intention to abandon the mark, but appellant argues that the fact that appellee did not attempt to prove any specific instances of use of the mark subsequent to 1937 overcomes the presumption of ownership of the mark attaching to the registration, and since appellee has not proved specific instances of use of the mark at the time of filing the petition for cancellation appellee has failed to show injury in connection with the mark 'The Guards' for collars.

"Abandonment by appellee of the mark 'The Guards' for collars has not been established, and appellant does not contend seriously that it has. As stated before, several witnesses have testified that the use of the mark for collars did not cease, and in my opinion the registration holds good as prima facie evidence of continued ownership of the mark by appellee."

The respondent also contended that the marks involved are not confusingly similar. In ruling otherwise the Assistant Commissioner said:

"To my mind men's collars and men's underwear are goods of the same descriptive properties and the marks 'The Guards' and 'Crotch-Guard' are confusingly similar when applied to those goods.

"Therefore, in view of appellee's registration of the mark 'The Guards' for collars, it is my opinion the record establishes that appellant 'was not entitled to the exclusive use of the mark at or since the date of his application for registration thereof' (sec. 2, act of March 19, 1920), and that appellee is damaged by said registration so that it should be cancelled.

"As to appellee's use of the mark 'Guards' for underwear, it is my opinion that even though the word 'Arrow' also appears with the word 'Guards', but separated therefrom, on the packages containing the underwear, separate trade-mark use of the word 'Guards' has been shown, particularly as the record shows the mark 'Arrow' to be the trade-mark of appellee for its goods in general. Appellee has shown specific instances of sales of underwear under this mark from March 23, 1938, to October 18, 1939, and one further sale on March 25, 1940. Several witnesses stated that the use by appellee of this mark on underwear and sales of underwear under the mark to the retail trade have been continuous. In my opinion the use by appellee of this mark on underwear at the time of filing the petition for cancellation has been established satisfactorily, and since the marks appear to me to be confusingly similar when applied to underwear, I consider that appellee has established damage with respect to its use of the mark 'Guards' for underwear by the registration sought to be cancelled. I consider the trade-mark use by appellee of the mark 'Guards' for underwear also makes it apparent that registrant was not entitled to the exclusive use of the mark at or since the date of his application for registration thereof, so that appellee's petition for cancellation herein should be sustained."

EX PARTE THE GRIFFITH LABORATORIES, INC., Serial No. 412,337.

On September 29, 1941 (163 Ms. Dec. 832, 51 U. S. P. Q. 84), *First Assistant Commissioner Frazer* rendered the following decision upon a petition for reconsideration by The Griffith Laboratories, Inc., of Chicago, Illinois:

"This is a petition for reconsideration of my decision of August 13, 1941 (163 Ms. D. 79, 50 U. S. P. Q. 512), affirming the refusal of the Examiner of Trade-Marks to register the notation 'Prague Powder' as a trade-mark for certain publications.

"The matters referred to in the petition were all carefully considered, but there is one point upon which I probably did not make my position clear. I held that because the word 'Prague' is merely geographical, the mark is 'forbidden registration by the express terms of the statute.' Application criticizes that ruling in the following language:

" 'The Commissioner is believed to have erred in his opinion by referring only to the word "Prague" although he is correct in saying that "Prague" is merely geographical. The mark before the Commissioner is "Prague Powder," and that mark is not "merely geographical." His conclusion that "Prague Powder" is forbidden by the statute because "Prague" is merely geographical is not in accord with the statute. The statute refers only to a mark which is "merely a geographical name or term." '

"The question thus presented was fully discussed by the United States Court of Customs and Patent Appeals in the case of *In re American Cyanamid & Chemical Corporation*, 26 C. C. P. A. 712, 99 Fed.(2d) 964; and the conclusion was there reached that a composite mark, not descriptive as a whole but including a descriptive word, was nonregistrable in the absence of an appropriate disclaimer of such word. The statute being the same with respect to both descriptive and geographical matter the same rule necessarily applies here. The word 'Prague' of applicant's mark has not been disclaimed; and even though it were the mark would not be registrable, because it is obviously dominated by that word.

"The petition is granted to the extent that the foregoing may be considered as incorporated in my decision of August 13, and the time for further appeal will run from the date hereof."

THE RIDGE TOOL COMPANY *v.* THE ARMSTRONG MFG. CO., Cancellation No. 3724.

In a decision rendered September 30, 1941 (163 Ms. Dec. 834, 51 U. S. P. Q. 85), *Assistant Commissioner Van Arsdale* reversed the decision of the Examiner of Trade-Mark Interferences and thereby sustained the petition by The Ridge Tool Company, of Elyria, Ohio, to cancel a registration owned by The Armstrong Mfg. Co., of Bridgeport, Conn., of the trade-mark "Vistand" for mechanics' work stands and benches, including stands for vises or the like.

The petitioner, and appellant, asserted that the registration threatened its continued free use of the generic name "vise stand" for the vise stands it manufactures and sells as such. The petitioner further asserted that the mark "Vistand" is a mere contraction and misspelling of the name "vise stand" and should be considered to be in the same category with "vise stand" as constituting merely a descriptive name of the goods, and to have no arbitrary trade-mark significance, and is not properly registrable under the act of February 20, 1905, because of the prohibition in sec. 5 of the act against registration of marks which consist "merely in words or devices which are descriptive of the goods with which they are used."

As stated by the Assistant Commissioner, the name "vise stand" has been well known for a long time as the descriptive name of a certain common type of tool or device comprising a combined vise and platform or stand. In agreeing with the petitioner the Assistant Commissioner said:

"In my opinion the mark 'Vistand' when applied to a vise stand would be apt to be pronounced the same as the name 'vise stand', and the similarity between the single word 'Vistand' and the two words 'vise stand' in sound and in appearance is so close that 'Vistand' and 'vise stand' mean the same thing, to wit, a vise stand; and the word 'Vistand' should be considered to be, in effect, merely the generic name of such article and merely descriptive thereof. *California Cyanide Company v. American Cyanamid Company*, 17 C. C. P. A. 1198, 40 F.(2d) 1003.

"The similarity between the word 'Vistand' and 'vise stand' in sound, appearance and meaning is such that in my opinion the word 'Vistand' and the words 'vise stand' are confusingly similar so that the registration is a threat to the free continued use by appellant of the words 'vise stand' for a vise stand, and thus appellant is injured by the registration. *California Cyanide Company v. American Cyanamid Company*, supra. Also, because the mark 'Vistand' is merely descriptive of a vise stand, it seems appellant may legitimately deem itself injured by the assertion of the registration against appellant's use of the mark 'Tristand' for a vise stand."

MILLSITE STEEL & WIRE WORKS, INC., *v.* JAMES HEDDON'S SONS, Opposition No. 19,308.

In a decision rendered September 30, 1941 (163 Ms. Dec. 833, 51 U. S. P. Q. 84), *First Assistant Commissioner Frazer* denied two petitions for reconsideration filed in this opposition proceeding, one by the applicant, James Heddon's Sons, of

Dowagiac, Mich., and the other by the opposer, Millsite Steel & Wire Works, Inc., of Howel, Mich. The parties petitioned for reconsideration of a decision rendered July 29, 1941 (529 O. G. 811, 50 U. S. P. Q. 465), which reversed the decision of the Examiner of Trade-Mark Interferences sustaining the opposition, but affirmed the Examiner's ruling that applicant is not entitled to the registration of the mark for which it made application.

In the course of his decision the First Assistant Commissioner said:

"Applicant's petition appears to be predicated upon a misunderstanding of my decision. I held that the mark in question was nonregistrable because it 'constitutes an essential element' and 'is an integral part' of a portion of the goods with which it is used. The mark is a so-called 'herringbone pattern' and the goods described in the application are fish lures. Some of these lures are reproductions of transparent minnows, upon the sides of which the mark is painted to simulate the appearance of live minnows when swimming. Counsel for applicant insist that the presence of the mark adds nothing to the fish-catching value of such lures, and that the mark thus serves no utilitarian purpose. The mark, however, is a part of the lure, and the lure would be incomplete without it. Whether the mark, or the lure as a whole for that matter, is useful or useless in catching fish, is quite beside the point. The question is whether or not the mark is an essential feature of the article as sold. In my opinion it is."

TRADE-MARKS

OFFICIAL GAZETTE, OCTOBER 28, 1941

[VOL. 531. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 436,886. FOSTER GRANT CO. INC., Leominster, Mass. Filed Oct. 12, 1940.

RESIL-O-GLASS

No claim is made to the word "Glass" apart from the mark.

FOR COMPOSITION IN POWDER OR FLAKE FORM FOR THE MANUFACTURE OF FLEXIBLE PLASTIC ARTICLES BY INJECTION MOLDING.

Claims use since Oct. 3, 1940.

Ser. No. 441,065. SUCRO-BLANC, INC., New York, N. Y. Filed Feb. 27, 1941.

SUCROCEL

FOR BAUXITE.

Claims use since Oct. 22, 1940.

Ser. No. 443,788. UNITED STATES RUBBER COMPANY, New York, N. Y. Filed May 21, 1941.

KOLOK

FOR LATEX COMPOSITIONS USED IN DEPOSITING INDIVIDUAL MINUTE RUBBER PARTICLES IN FABRICS.

Claims use since May 6, 1941.

Ser. No. 444,281. MARY M. SMALL, Pasadena, Calif. Filed June 6, 1941.



The drawing is lined for green.

FOR CHAPLETS CONSISTING OF FRESH FLOWERS FASTENED TO A BANDEAU.

Claims use since May 17, 1941.

Ser. No. 446,051. J. OLIVER JOHNSON SEED COMPANY, Chicago, Ill. Filed Aug. 7, 1941.

BOULEVARD

FOR LAWN GRASS SEED.

Claims use since Mar. 15, 1915.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 435,417. CROWN LUGGAGE CO., Baltimore, Md. Filed Aug. 27, 1940.

AMERICANA

FOR LUGGAGE—NAMELY, WARDROBES, FITTED CASES, OVERNIGHT CASES, WEEK END CASES, HAT BOXES, EMPTY VANITY AND MAKE UP CASES, AND UTILITY CASES.

Claims use since Aug. 26, 1940.

Ser. No. 447,082. STRAND LEATHER GOODS CO., INC., New York, N. Y. Filed Sept. 16, 1941.

CAMPUS

FOR LADIES' HANDBAGS.

Claims use since Nov. 1, 1939.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 445,849. KNOMARK MFG. CO., INC., Brooklyn, N. Y. Filed Aug. 1, 1941.

Minuet

FOR DRESSING, CLEANSER, AND POLISH FOR SLIPPERS, SHOES, AND OTHER LEATHER TRIMMED APPAREL.

Claims use since July 28, 1941.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 439,950. SANDOZ CHEMICAL WORKS, INC., New York, N. Y. Filed Jan. 24, 1941.

SANDOZOL

FOR CHEMICAL SUBSTANCES USED IN THE TEXTILE INDUSTRY, THE LEATHER INDUSTRY, AND THE PAPER INDUSTRY AS WETTING OUT, SOFTENING, EMULSIFYING, LUBRICATING, AND LEVELING AGENTS, ANILINE DYES, ALIZARINE DYES, AND OTHER DYES.

Claims use since May, 1933.

Ser. No. 444,373. VIRGIL E. BEASLEY, doing business as Novadane Chemical Company, San Antonio, Tex. Filed June 10, 1941.



The portrait shown is that of Dolores Wood, San Antonio, Tex.

FOR TREATMENT FOR LOOSE DANDRUFF.

Claims use since Jan. 14, 1941.

Ser. No. 444,884. WILLIAM J. WARDALL, trustee, for the Estate of McKesson & Robbins, Inc., debtor, New York, N. Y. Filed June 26, 1941.

Rosemary

FOR COLOGNE, PERFUME, FACE POWDER, AND DUSTING POWDER.

Claims use since May 9, 1941.

Ser. No. 444,989. THOMAS A. EDISON, INCORPORATED, West Orange, N. J. Filed July 1, 1941.

BARALYME

FOR GAS ABSORBING MATERIAL, PARTICULARLY GAS-ABSORBING MATERIAL COMPRISING A MIXTURE OF SOLID POROUS SUBSTANCES INCLUDING CALCIUM AND BARIUM HYDROXIDES AND ESPECIALLY ADAPTED UPON EXPOSURE TO GASEOUS MIXTURES TO ABSORB ACID GASES WHICH MAY BE PRESENT.

Claims use since Apr. 23, 1941.

Ser. No. 444,992. THOMAS A. EDISON, INCORPORATED, West Orange, N. J. Filed July 1, 1941.

Thomas A Edison

The mark consists of a copy of the signature of Mr. Thomas A. Edison, deceased.

FOR GASES DESIGNED PRIMARILY FOR USE BY ANESTHETISTS, PHYSICIANS, AND DENTISTS, AND INCLUDING OXYGEN, NITROGEN, CYCLOPROPANE, HELIUM, NITROUS OXIDE, COMPRESSED AIR, CARBON DIOXIDE AND OXYGEN MIXTURES, HELIUM AND OXYGEN MIXTURES, CARBON DIOXIDE, NITROGEN AND OXYGEN MIXTURES AND NITROGEN AND CARBON DIOXIDE MIXTURES AND FOR GAS-ABSORBING MATERIAL, PARTICULARLY GAS-ABSORBING MATERIAL COMPRISING A MIXTURE OF SOLID POROUS SUBSTANCES INCLUDING CALCIUM AND BARIUM HYDROXIDES AND ESPECIALLY ADAPTED UPON EXPOSURE TO GASEOUS MIXTURES TO ABSORB ACID GASES WHICH MAY BE PRESENT.

Claims use since Dec. 16, 1938, for gases; and since Apr. 23, 1941, for gas-absorbing material.

Ser. No. 446,096. CHEATHAM CHEMICAL COMPANY, Atlanta, Ga. Filed Aug. 9, 1941.

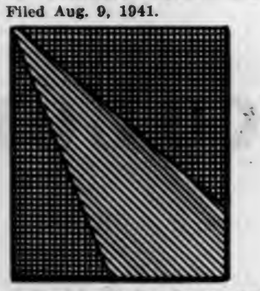
BEAUTY RAY

No claim is made to the term "Beauty" apart from the association shown.

FOR COLD CREAM, VANISHING CREAM, SKIN LOTION, HAIR DRESSING, FACE POWDER, TALCUM POWDER, HAIR TONIC, LIP STICK, AND ROUGE.

Claims use since Apr. 27, 1940.

Ser. No. 446,097. CHEATHAM CHEMICAL COMPANY, Atlanta, Ga. Filed Aug. 9, 1941.



The drawing is lined for black and green, but the mark is not limited to those colors.

FOR COLD CREAM, VANISHING CREAM, SKIN LOTION, HAIR DRESSING, FACE POWDER, TALCUM POWDER, HAIR TONIC, LIP STICK, AND ROUGE.

Claims use since Apr. 27, 1940.

Ser. No. 446,366. MCKESSON & ROBBINS, INC., New York, N. Y. Filed Aug. 19, 1941.

LYSEX

FOR VITAMIN PRODUCTS, AND PARTICULARLY A PRODUCT COMPRISING CONCENTRATES OF VITAMINS B_1, G, B_6, AND OTHER FILTRATES AND FACTORS OF THE VITAMIN B COMPLEX.

Claims use since Feb. 20, 1941.

Ser. No. 446,618. DR. EDWIN H. DIXON, New York, N. Y. Filed Aug. 28, 1941.

DENTOL

FOR TOOTH AND MOUTH WASH.

Claims use since 1902.

Ser. No. 446,987. CALIFORNIA SPRAY-CHEMICAL CORPORATION, Wilmington, Del., and Richmond, Calif. Filed Sept. 12, 1941.

VAPO-TONE

FOR PARASITICIDES.

Claims use since Aug. 21, 1941.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 446,532. ROYAL TYPEWRITER COMPANY, INC., New York, N. Y. Filed Aug. 25, 1941.

VARSITY

FOR INKING RIBBONS AND CARBON PAPER.

Claims use since July, 1937.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 434,894. BENDIX-WESTINGHOUSE AUTOMOTIVE AIR BRAKE COMPANY, Pittsburgh, Pa. Filed Aug. 12, 1940.

BW

FOR BRAKE VALVES FOR AUTOMOTIVE AIR BRAKES.

Claims use since Feb. 20, 1940.

Ser. No. 445,353. DRESSER MANUFACTURING COMPANY, Bradford, Pa. Filed July 15, 1941.

Bellmaster

FOR UNTHREADED BELL AND SPIGOT CAST IRON PIPE JOINTS.

Claims use since July 10, 1941.

Ser. No. 446,151. LEON A. SUTTON, New York, N. Y. Filed Aug. 11, 1941.

RAVELLE

FOR SLIDE FASTENERS.

Claims use since Jan. 2, 1940.

Ser. No. 446,487. CROWN FASTENER CORPORATION, Warren, R. I. Filed Aug. 23, 1941.

FOR SEPARABLE SLIDE FASTENERS.

Claims use since Sept. 5, 1940.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 438,306. FRIED. KRUPP AKTIENGESELLSCHAFT, Essen, Germany. Filed Nov. 28, 1940.

WIPTAM

FOR SOLDERS, NON-FERROUS METALS, NON-FERROUS METAL ALLOYS, AND METAL ALLOYS WHICH ARE BASICALLY NON-FERROUS.

Claims use since July 6, 1939.

Ser. No. 443,074. ENDURANCE METAL CORPORATION, Everett, Wash. Filed Apr. 29, 1941.



The portrait is fanciful. No claim is made to the words "Endurance", "Your Guard Against Score", and "Bearing Metal", nor to the representation of the goods apart from the mark.

FOR BEARING METAL.

Claims use since Aug. 1, 1938.

Ser. No. 446,047. ELECTRO METALLURGICAL COMPANY, New York, N. Y. Filed Aug. 7, 1941.

SILVAZ

FOR FERROUS METAL ALLOYS.

Claims use since June 12, 1941.

CLASS 15

OILS AND GREASES

Ser. No. 444,490. JOHN A. CASEY COMPANY, INC., New York, N. Y. Filed June 13, 1941.

VIRGIN

FOR OILS AND GREASES FOR FUEL AND LUBRICATION.

Claims use since May 20, 1941.

Ser. No. 445,216. TOPSALL LUBRICANTS, INC., Tonawanda and North Tonawanda, N. Y. Filed July 9, 1941.

Topsall

FOR MOTOR AND INDUSTRIAL LUBRICATING OILS AND GREASES.
Claims use since Nov. 4, 1938.

Ser. No. 446,146. I. L. SCHURMAN, Chicago, Ill. Filed Aug. 11, 1941.



The words "Carbon Treated", "The Perfect Furnace Oil", "The Red Color Identifies It" are disclaimed apart from the mark.
FOR FUEL AND HEATING OILS.
Claims use since Mar. 8, 1941.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 440,204. IRENE KEMPE, doing business as Kempe Mfg. Co., Jamaica, N. Y. Filed Feb. 1, 1941.



Applicant disclaims the words "Speed Ski Wax Kit" apart from the mark.
FOR SKI WAX KIT COMPRISED OF MORE THAN ONE CONTAINER OF VARIOUS KINDS OF SKI WAX.
Claims use since Dec. 2, 1939.

Ser. No. 446,108. THE GLIDDEN COMPANY, Cleveland, Ohio, doing business as The Chemical & Pigment Company, Collinsville, Ill., Oakland, Calif., and St. Helena, Baltimore, Md. Filed Aug. 9, 1941.

BAROLITH

FOR BARIUM SULPHATE EXTENDED LITHOPONE.
Claims use since June 2, 1941.

Ser. No. 446,675. THE TREMCO MANUFACTURING COMPANY, Cleveland, Ohio. Filed Aug. 29, 1941.

DURZON

FOR PAINTS OF A VERY HEAVY CONSISTENCY OF A SEMI-PASTE-LIKE FORM FOR INTERIOR USE.
Claims use since Jan. 22, 1941.

CLASS 19

VEHICLES, NOT INCLUDING ENGINES

Ser. No. 445,313. CHARLES B. ASKE, JR., Detroit, Mich. Filed July 14, 1941.

TORPEDO RINGS
WHITE SIDE WALLS

The words "Rings" and "White Side Walls" are disclaimed apart from the mark.
FOR WHITE SIDE WALL TIRE SIMULATING RINGS.
Claims use since Dec. 10, 1940.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 439,774. EAGLE ELECTRIC MFG. CO., INC., Brooklyn, N. Y. Filed Jan. 18, 1941.

"See Things in a Different Light"

FOR ELECTRIC LAMPS AND ELECTRIC LIGHTING FIXTURES.
Claims use since Feb. 1, 1940.

Ser. No. 445,267. EDWIN F. GUTH COMPANY, St. Louis, Mo. Filed July 11, 1941.

STRATO-LITER

No claim is made to the word "Liter" except in connection with the word "Strato."
FOR ELECTRIC LIGHTING EQUIPMENT AND MORE PARTICULARLY LIGHT FIXTURES.
Claims use since Apr. 15, 1941.

Ser. No. 445,418. EDWIN F. GUTH COMPANY, St. Louis, Mo. Filed July 17, 1941.

FLEETLITER

FOR ELECTRIC LIGHTING EQUIPMENT AND MORE PARTICULARLY LIGHT FIXTURES.
Claims use since May 1, 1941.

Ser. No. 445,419. EDWIN F. GUTH COMPANY, St. Louis, Mo. Filed July 17, 1941.

FUTURLITER

FOR ELECTRIC LIGHTING EQUIPMENT AND MORE PARTICULARLY LIGHT FIXTURES.
Claims use since Apr. 15, 1941.

Ser. No. 445,420. EDWIN F. GUTH COMPANY, St. Louis, Mo. Filed July 17, 1941.

PREXYLITER

FOR ELECTRIC LIGHTING EQUIPMENT AND MORE PARTICULARLY LIGHT FIXTURES.
Claims use since Apr. 15, 1941.

Ser. No. 446,068. STEEM-ELECTRIC CORPORATION, St. Louis, Mo. Filed Aug. 7, 1941.

Miss Steem

No claim is made to the word "Steem" apart from the mark.
FOR ELECTRIC STEAMING IRONS.
Claims use since Apr. 12, 1941.

Ser. No. 446,069. STEEM-ELECTRIC CORPORATION, St. Louis, Mo. Filed Aug. 7, 1941.

Mrs. Steem

The word "Steem" is disclaimed apart from the mark.
FOR ELECTRIC STEAMING IRONS.
Claims use since Apr. 3, 1941.

Ser. No. 446,514. BURGESS BATTERY COMPANY, Chicago, Ill. Filed Aug. 25, 1941.

DREADNAUGHT

FOR FLASHLIGHTS AND FLASHLIGHT CASES.
Claims use since Jan. 3, 1941.

Ser. No. 446,540. E. A. LABORATORIES, INC., Brooklyn, N. Y. Filed Aug. 26, 1941.

by EA VICTORY

FOR ELECTRIC HORNS AND LAMPS FOR USE ON VEHICLES, BICYCLES, AUTOMOBILES, AND TRUCKS.
Claims use since Aug. 4, 1941.

Ser. No. 446,541. E. A. LABORATORIES, INC., Brooklyn, N. Y. Filed Aug. 26, 1941.



FOR ELECTRIC HORNS AND LAMPS FOR USE ON VEHICLES, BICYCLES, AUTOMOBILES, AND TRUCKS.
Claims use since Aug. 4, 1941.

Ser. No. 446,767. UNITED STATES RUBBER COMPANY, New York, N. Y. Filed Sept. 3, 1941.

RELIO

FOR ELECTRICAL CABLES.
Claims use since Sept. 3, 1940.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 447,217. EDW. K. TRYON COMPANY, Philadelphia, Pa. Filed Sept. 20, 1941.

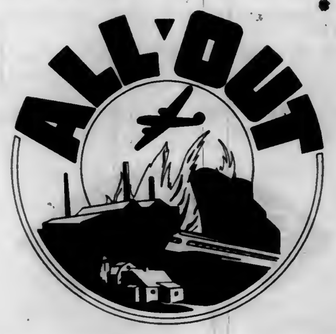
COHANTIC

FOR FISHING LINES.
Claims use since January, 1893.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 444,274. NATIONAL POWDER EXTINGUISHER CORPORATION, Jersey City, N. J. Filed June 6, 1941.



FOR PORTABLE HAND FIRE EXTINGUISHING APPARATUS.
Claims use since May 29, 1941.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 445,007. THE DEXTER COMPANY, Fairfield, Iowa. Filed July 2, 1941.

REFLEX

FOR LAUNDRY WASHING MACHINES.
Claims use since June 20, 1941.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 443,652. CENTRAL STATION SIGNALS, INC., New York, N. Y. Filed May 17, 1941.

TEMP-O-RISE
AUTOMATIC FIRE DETECTION

Applicant disclaims the words "Automatic Fire Detection" apart from the mark.
FOR THERMOSTATS FOR AUTOMATIC FIRE ALARM SIGNALLING SYSTEMS.
Claims use since Apr. 16, 1941.

Ser. No. 446,542. GENERAL ANILINE & FILM CORPORATION, New York, N. Y. Filed Aug. 26, 1941.

ADMIRAL

FOR PHOTOGRAPHIC GOODS, PARTICULARLY CAMERAS.
Claims use since July 11, 1941.

Ser. No. 446,716. AMERICAN ADVERTISING & RESEARCH CORP., Chicago, Ill. Filed Sept. 2, 1941.

SCENEX

FOR CAMERAS.
Claims use since Feb. 7, 1941.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 442,240. JOSEPH H. MEYER BROS., Brooklyn, N. Y. Filed Apr. 3, 1941.

IRIDELLE

FOR NECKLACES, BRACELETS, FINGER RINGS, JEWELRY CLIPS, BROOCHES, AND EARRINGS.
Claims use since 1931.

Ser. No. 445,357. JABEL RING MANUFACTURING CO., Newark, N. J. Filed July 15, 1941.

Hearts and Flowers

FOR JEWELRY MADE OF PRECIOUS METAL OR PLATED WITH PRECIOUS METAL—NAMELY, WEDDING RINGS, ENGAGEMENT RINGS, BRACELETS, PENDANTS, AND BROOCHES.
Claims use since June 10, 1941.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 447,054. AMERICAN SEITZ FILTER CORPORATION, Paterson, N. J. Filed Sept. 16, 1941.

Flexmaster

FOR FILTERING APPARATUS.
Claims use since May, 1941.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 442,741. MORTON M. SOLOMON, doing business as Tufts Mattress Company, Somerville, Mass. Filed Apr. 18, 1941.

SILVER CROSS

FOR MATTRESSES, BOX SPRINGS, STUDIO COUCHES, AND SOFA BEDS.
Claims use since Jan. 5, 1939.

Ser. No. 443,393. A. BRANDT UPHOLSTERING COMPANY, INC., Fort Worth, Tex. Filed May 9, 1941.

RANCH OAK
A. BRANDT UPHOLSTERING CO., Inc.
EST. FORT WORTH 1898

The drawing is lined for brown and green, an essential feature of the mark. The words "Oak" and "Fort Worth" are disclaimed apart from the mark.
FOR TABLES, SOFAS, STUDIO COUCHES, LOUNGE CHAIRS, WING CHAIRS, STOOLS, BENCHES, SECTIONAL SOFAS, OCCASIONAL CHAIRS, AND WOOD SEAT CHAIRS, UPHOLSTERED OR NOT, ACCORDING TO THE DESIGN, INCLUDING UPHOLSTERED FURNITURE, OCCASIONAL TABLES—NAMELY, COCKTAIL TABLES, LAMP TABLES, END TABLES, AND COFFEE TABLES; DINING ROOM TABLES, LARGE REFECTORY TYPE TABLES, BUFFETS, SERVING TABLES, CORNER CABINETS, BOOKCASES, DESKS, BEDS, DRESSERS, DRESSING TABLES, AND NIGHT STANDS, TABLE AND FLOOR LAMP WOODEN STANDS, AND NOVELTIES, AND BOOKENDS.
Claims use since Apr. 1, 1940.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 442,908. MAJESTIC MANUFACTURING CO., St. Louis, Mo. Filed Apr. 24, 1941.

Majestic

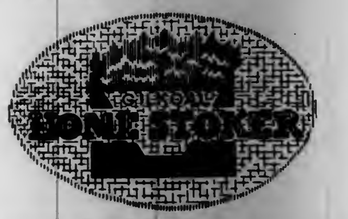
FOR COAL, OIL, AND GAS RANGES, STOVES, HEATERS, GRILLS, OVENS, GRIDDLES, AND COUNTER COOKING APPLIANCES—NAMELY, COUNTER STOVES, HEATERS, GRILLS, OVENS, AND GRIDDLES.
Claims use since Apr. 14, 1941.

Ser. No. 442,909. MAJESTIC MANUFACTURING CO., St. Louis, Mo. Filed Apr. 24, 1941.

Stylined

FOR COAL, OIL, AND GAS RANGES, STOVES, HEATERS, GRILLS, OVENS, GRIDDLES AND COUNTER COOKING APPLIANCES — NAMELY, COUNTER STOVES, HEATERS, GRILLS, OVENS, AND GRIDDLES.
Claims use since Apr. 14, 1941.

Ser. No. 446,071. CATSKILL METAL WORKS, INC., Catskill, N. Y. Filed Aug. 8, 1941.



The drawing is lined for red and gold. The words "Home Stoker" are disclaimed apart from the mark.
FOR STOKERS.
Claims use since September, 1940.

Ser. No. 446,072. CATSKILL METAL WORKS, INC., Catskill, N. Y. Filed Aug. 8, 1941.

GILKOAL STOKERS

The drawing is lined for red. The word "Stokers" is disclaimed apart from the mark.
FOR STOKERS.
Claims use since July, 1940.

Ser. No. 446,220. SECURITY MANUFACTURING COMPANY, Kansas City, Mo. Filed Aug. 13, 1941.

CADET
WATER HEATER
SGP

The words "Water Heater" are disclaimed apart from the mark.
FOR GAS HOT WATER HEATERS.
Claims use since Apr. 30, 1940.

CLASS 37

PAPER AND STATIONERY

Ser. No. 443,469. UNITED PAPER COMPANY, INC., Richmond, Va. Filed May 10, 1941.

Band Box

FOR WRAPPING PAPER, TOILET PAPER, TOWELS, TISSUE, AND ADHESIVE PAPER TAPE.
Claims use since Apr. 15, 1941.

Ser. No. 445,624. RICHARD BEST PENCIL COMPANY, INC., Irvington, N. J. Filed July 25, 1941.

TRYREX

FOR WOOD-ENCASED LEAD PENCILS.
Claims use since December, 1939.

Ser. No. 445,663. MAIL-WELL ENVELOPE COMPANY, Portland, Oreg. Filed July 26, 1941.



The word "Scratchless" is disclaimed apart from the mark.
FOR ENVELOPES.
Claims use since May 9, 1941.

Ser. No. 445,742. LINTON PENCIL COMPANY, Lewisburg, Tenn. Filed July 29, 1941.

BONDED LEAD

The word "Lead" is disclaimed apart from the mark.
FOR MECHANICAL PENCILS, LEADS, WOOD CASE PENCILS, FOUNTAIN PENCILS, AND PEN STAFFS.
Claims use since 1940.

Ser. No. 445,826. RALSEN PRESS, INC., New York, N. Y. Filed July 31, 1941.



The applicant hereby disclaims the representation of the display folder shown upon the drawing which is not part of applicant's mark, but applicant reserves all common law rights that it may have in and to the shape, form and appearance of the display folder.
FOR PHOTOGRAPHIC DISPLAY FOLDERS.
Claims use since July 1, 1941.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 434,270. F. E. COMPTON & COMPANY, Chicago, Ill. Filed July 24, 1940.

DURA-BOUND

Applicant disclaims the word "Bound" apart from the mark.
FOR COMPLETELY PRINTED BOOKS.
Claims use since Jan. 1, 1926.

Ser. No. 444,744. UNITED FEATURE SYNDICATE, INC., New York, N. Y. Filed June 21, 1941.

SPARKLER COMICS

No claim is made for the word "Comics" apart from the mark.
FOR COMIC PUBLICATION APPEARING MONTHLY.
Claims use since June 13, 1941.

CLASS 39

CLOTHING

Ser. No. 435,081. CHIEF WEAVERS, INC., Albuquerque, N. Mex. Filed Aug. 17, 1940.

THE TOMAHAWK



FOR HAND-WOVEN NECKTIES.
Claims use since June 1, 1940.

Ser. No. 443,696. THE MODEL SHOE COMPANY, Cincinnati, Ohio. Filed May 19, 1941.

Model

ACES

Applicant disclaims the word "Model" except as shown.
FOR SHOES MADE OF LEATHER, FABRIC, OR RUBBER OR A COMBINATION OF SAID MATERIALS.
Claims use since Mar. 1, 1939.

Ser. No. 444,395. BROWNING KING & CO., OF NEW YORK, INC., New York, N. Y. Filed June 11, 1941.

Ruling House

FOR MEN'S AND BOYS' SUITS, OVERCOATS, TOPCOATS, OUTER SHIRTS, NECKTIES, SPORT COATS, RAINCOATS, AND JACKETS.
Claims use since March, 1941.

Ser. No. 445,202. INTERWOVEN STOCKING COMPANY, New Brunswick, N. J. Filed July 9, 1941.

Hy•Tex

FOR HOSIERY.
Claims use since June 18, 1941.

Ser. No. 445,538. TRANSCONTINENTAL RUBBER CORPORATION, New York, N. Y. Filed July 21, 1941.

TRA-FLEX

FOR RUBBERS.
Claims use since June 1, 1941.

Ser. No. 445,972. AMASIA IMPORTING CORPORATION, New York, N. Y. Filed Aug. 2, 1941.

Chiffon-Lastic

The word "Chiffon" is disclaimed apart from the mark.
FOR PANTIES, GIRDLES, CORSETS, CORSELETS, AND FOUNDATIONS.
Claims use since July 15, 1941.

Ser. No. 445,977. JOE DACY, Austin, Tex. Filed Aug. 5, 1941.

Austinettes EXCLUSIVE AT DACY'S

The expression "Exclusive at Dacy's" is disclaimed except in the association shown.
FOR BOOTS, SHOES, AND SLIPPERS MADE OF LEATHER AND FABRICS.
Claims use since Jan. 1, 1928

Ser. No. 446,091. EDWARD UDELSON, doing business as Fashion Neckwear Company, Boston, Mass. Filed Aug. 8, 1941.



The phrase "Authentic Plaids" is disclaimed apart from the mark.
FOR MEN'S AND BOYS' NECKTIES.
Claims use since July 28, 1941.

Ser. No. 446,149. STANDARD GARMENT CO. INC., New York, N. Y. Filed Aug. 11, 1941.



The picture is fanciful. The word "Junior" is disclaimed apart from the mark.
FOR LADIES', MISSES', AND GIRLS' DRESSES, OUTER-SKIRTS, BLOUSES, SUITS, COATS, CAPES, APRONS, CULOTTES, UNIFORMS FOR NURSES, COOKS, MAIDS, WAITRESSES, MANICURISTS, DEMONSTRATORS, BEAUTICIANS AND HOUSE USE, UNDERWEAR, SLIPS, PAJAMAS, NEGLIGEES, PANTIES, NIGHTGOWNS, UNDER-VESTS, BLOOMERS, BRASSIÈRES, UNION-SUITS, HOUSE COATS AND PLAY SUITS.
Claims use since July 1, 1941.

Ser. No. 446,199. THE J. L. HUDSON COMPANY, Detroit, Mich. Filed Aug. 13, 1941.

Adrienne

FOR WOMEN'S SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS THEREOF.
Claims use since July 1, 1941.

Ser. No. 446,376. TIMELY SPORTSWEAR CO., New York, N. Y. Filed Aug. 19, 1941.



The picture is fanciful.
FOR MEN'S, WOMEN'S, BOYS', AND GIRLS' VESTS.
Claims use since Feb. 1, 1941.

Ser. No. 446,628. JAXTON CLOTHES COMPANY, INC., New York, N. Y. Filed Aug. 28, 1941.

COLLEGE ARMS

FOR MEN'S AND STUDENTS' SUITS AND COATS, SUIT AND SLACK ENSEMBLES, SPORT COATS AND SLACKS.
Claims use since Mar. 17, 1941.

Ser. No. 446,668. SHIPMAN & BAKER, INC., New York, N. Y. Filed Aug. 29, 1941.

Roxspun

FOR WOMEN'S COATS, SUITS, AND SKIRTS.
Claims use since June 3, 1941.

Ser. No. 446,682. ALLIED STORES CORPORATION, Wilmington, Del., doing business as the Bon Marche, Seattle, Wash. Filed Aug. 30, 1941.

CORDAIRE

FOR HOSIERY.
Claims use since May 23, 1941.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 440,154. COHEN & WILKS, LIMITED, Manchester, England. Filed Jan. 31, 1941.



The words "Tweed" and "Loomed in Scotland" are disclaimed apart from the mark as is also the representation of the goods per se.
FOR WOOLLEN PIECE GOODS.
Claims use since May 16, 1940.

Ser. No. 444,555. AMALGAMATED TEXTILES LIMITED, New York, N. Y. Filed June 16, 1941.

ROYAL BOKHARA

The word "Bokhara" is disclaimed apart from the mark.
FOR WOOLEN AND WORSTED TEXTILE PIECE GOODS.
Claims use since Mar. 1, 1941.

Ser. No. 444,557. AMALGAMATED TEXTILES LIMITED, New York, N. Y. Filed June 16, 1941.

ROYAL VICUNA

The word "Vicuna" is disclaimed apart from the mark.
FOR WOOLEN AND WORSTED TEXTILE PIECE GOODS CONTAINING AN APPRECIABLE AMOUNT OF VICUNA DOWN.
Claims use since Mar. 1, 1941.

Ser. No. 444,823. DUPLEX FABRICS CORP., New York, N. Y. Filed June 25, 1941.

DOUBLE FEATURE

FOR RAYON AND ACETATE PIECE GOODS.
Claims use since May 6, 1941.

Ser. No. 444,932. DUMARI TEXTILE CO., INC., New York, N. Y. Filed June 28, 1941.

YIPPI

FOR RAYON FABRIC IN THE PIECE.
Claims use since July 15, 1937.

Ser. No. 445,830. VELVERAY CORPORATION, New York, N. Y. Filed July 31, 1941.

Blancette

FOR SILK, RAYON, AND COTTON PIECE GOODS.
Claims use since Jan. 16, 1935.

Ser. No. 445,875. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed Aug. 2, 1941.

ARMIPAC

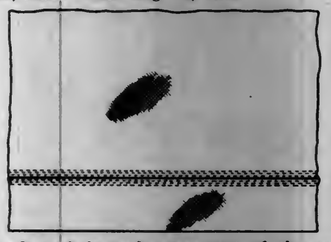
FOR PILE FABRICS IN THE PIECE COMPOSED OF ALPACA AND COTTON.
Claims use since July 25, 1941.

Ser. No. 445,876. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed Aug. 2, 1941.

DOUBLPAC

FOR PILE FABRICS IN THE PIECE COMPOSED OF ALPACA AND COTTON.
Claims use since July 25, 1941.

Ser. No. 446,231. A. D. ELLIS MILLS INCORPORATED, Monson, Mass. Filed Aug. 14, 1941.



The trade-mark is made as a part of the goods by providing in the selvage edge, three warp threads of yellow, then two warp threads of black, and then three warp threads of yellow, the selvage consisting of two narrow bands of yellow separated by one narrow band of black, the marking being confined generally to the selvage edges of the green billiard table cloth. The representation of the goods per se apart from the mark is disclaimed.
FOR GREEN BILLIARD TABLE CLOTH.
Claims use since July 7, 1941.

Ser. No. 446,252. THE UNITED STATES FINISHING COMPANY, Norwich, Conn. Filed Aug. 14, 1941.

VITAGLAZE

FOR TEXTILE FABRICS OF COTTON, LINEN, RAYON, ACETATE, WOOL, AND MIXTURES OF THESE FIBRES IN THE NATURE OF PIECE GOODS.
Claims use since July 7, 1941.

Ser. No. 446,253. THE UNITED STATES FINISHING COMPANY, Norwich, Conn. Filed Aug. 14, 1941.

VITAGLOSS

FOR TEXTILE FABRICS OF COTTON, LINEN, RAYON, ACETATE, WOOL, AND MIXTURES OF THESE FIBRES IN THE NATURE OF PIECE GOODS.
Claims use since July 7, 1941.

Ser. No. 446,254. VERNEY MILLS, INC., Manchester, N. H. Filed Aug. 14, 1941.

SPUNLIGHT

FOR RAYON PIECE GOODS.
Claims use since Aug. 11, 1941.

Ser. No. 446,270. FORSTMANN WOOLEN CO., Passaic, N. J. Filed Aug. 15, 1941.

Famous Painting Colors

The word "Colors" is disclaimed apart from the mark.
FOR WOOLEN PIECE GOODS.
Claims use since Aug. 1, 1941.

Ser. No. 446,503. MARVLO MILLS, INC., New York, N. Y. Filed Aug. 23, 1941.

Marv-Lin

FOR PIECE GOODS OF COTTON, LINEN, ARTIFICIAL AND NATURAL SILK GOODS AND SYNTHETIC (RAYON AND ACETATE) TEXTILE FABRICS, PLAIN, COLORED, AND PRINTED.
Claims use since June 10, 1941.

Ser. No. 446,569. FAY CARPET CO., INC., New York, N. Y. Filed Aug. 27, 1941.

AMBASSADOR

FOR CARPETS AND RUGS.
Claims use since 1930.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 442,354. ROY O. DRAYTON, Sacramento, Calif. Filed Apr. 7, 1941.

NURS-EEZ

FOR COMBINATION NURSING BOTTLE HOLDER AND TEETHING RING, CONSISTING OF A TEETHING RING SUPPORTED BY A STRAP WHICH IS SECURED TO A BABY'S CRIB, THE RING BEING LARGE ENOUGH TO RECEIVE A NURSING BOTTLE AND TO YIELDINGLY GRIP THE BOTTLE FOR SUPPORTING IT.
Claims use since Mar. 1, 1941.

Ser. No. 446,772. HAMILTON C. BATES, doing business as C. J. Bates & Son, Chester, Conn. Filed Sept. 4, 1941.

MIDAS MESH

The word "Mesh" is disclaimed apart from the mark.
FOR MANICURE SETS.
Claims use since June 12, 1941.

Ser. No. 447,176. BEN PICKARD, Chicago, Ill. Filed Sept. 18, 1941.

GOLD COAST

FOR PERMANENT WAVE PADS.
Claims use since December, 1940.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 428,078. KOLD KIST, INC., Los Angeles, Calif. Filed Jan. 31, 1940.

Kold Kist

The word "Kold" is disclaimed apart from the mark.
FOR FROZEN FRESH COOKED MEATS INCLUDING BEEF STEW, LAMB STEW, SWISS STYLE STEAK, SPAGHETTI AND MEAT BALLS, CHOP SUEY, CHICKEN AND NOODLES, FISH, FOWL, AND VEGETABLES.
Claims use since Dec. 18, 1939.

Ser. No. 436,662. S. A. SCHONBRUNN & CO., INC., New York, N. Y. Filed Oct. 4, 1940.

SAVARIN

THE HEART OF THE CROP

The applicant is the owner of registration No. 74,002, June 8, 1909, under the 10-year proviso.
FOR COFFEE.
Claims use since September, 1940.

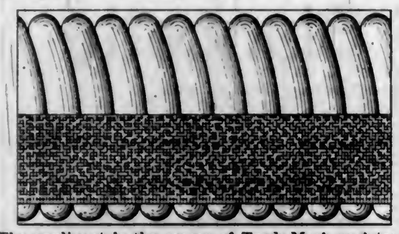
Ser. No. 440,186. JOHN W. BISHOP COMPANY, doing business as Bishop's Flour Mills, Martinsburg, W. Va. Filed Feb. 1, 1941.

FAMILY'S JOY



The portraits are fanciful.
FOR BLENDED ALL-PURPOSE WHEAT FLOUR.
Claims use since September, 1938.

Ser. No. 443,201. OSCAR MAYER & COMPANY, INC., Chicago, Ill. Filed May 2, 1941.



The applicant is the owner of Trade-Mark registration 385,549, registered Mar. 11, 1941. The mark consists of the representation of a plurality of sausages arranged in a row with a band colored yellow positioned across them so as to leave the ends of the sausage visible. The representation of the sausages as such and apart from the mark here shown, is disclaimed.
FOR MEAT PRODUCTS—NAMELY, WIENERS IN CONTAINERS.
Claims use since Apr. 11, 1938.

Ser. No. 444,219. THE GREAT ATLANTIC & PACIFIC TEA COMPANY, New York, N. Y. Filed June 5, 1941.

A&P Super-Right

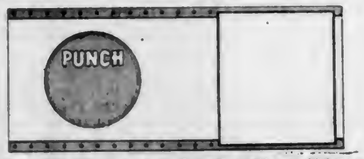
FOR BACON.
Claims use since May 9, 1941.

Ser. No. 444,980. SANTA CLARA FROSTED FOODS CO., Santa Clara, Calif. Filed June 30, 1941.

YEAR ROUND

FOR FROZEN FRUITS, FROZEN VEGETABLES.
Claims use since June 13, 1941.

Ser. No. 445,159. SCHUCKL & CO., INC., doing business as Sunnyvale Packing Co., San Francisco, Calif. Filed July 7, 1941.



Applicant is the owner of registrations 258,310 and 354,614. The drawing is lined for red and blue. The configuration of a label is disclaimed, per se, apart from the mark.
FOR CANNED FRUITS AND VEGETABLES.
Claims use since June 21, 1941.

Ser. No. 445,184. THAD WILSON, Gary, Ind. Filed July 8, 1941.



No claim is made to the word "Chicken" apart from the mark.
FOR CHICKEN, FRIED OR COOKED, AND MEALS OR LUNCHEONS INCLUDING PREPARED CHICKEN.
Claims use since June 27, 1941.

Ser. No. 445,811. INTERNATIONAL MILLING COMPANY, Minneapolis, Minn. Filed July 31, 1941.



FOR WHEAT FLOUR.
Claims use since May 22, 1941.

Ser. No. 446,067. STANFORD FRUIT GROWERS, INC., Lake Alfred, Fla. Filed Aug. 7, 1941.

KING ALBERT

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES, GRAPEFRUIT, TANGERINES, AND LIMES, AND CANNED CITRUS FRUITS.
Claims use since Dec. 1, 1939.

Ser. No. 446,325. LANGENDORF UNITED BAKERIES, INC., San Francisco, Calif. Filed Aug. 18, 1941.

WEALTH -O- WHEAT

The word "Wheat" is disclaimed apart from the mark.
FOR BREAD.
Claims use since Aug. 11, 1941.

Ser. No. 446,838. PAUL E. HOLTON, doing business as Holton Laboratories, Detroit, Mich. Filed Sept. 6, 1941.

Vita-Plex

FOR WHEAT GERM.
Claims use since August, 1940.

Ser. No. 446,858. PAUL C. BRAGG, doing business as Live Food Products Co., Burbank, Calif. Filed Sept. 8, 1941.

BRAGG

RIDDO



Applicant is the owner of trade-mark registration No. 380,419, dated Aug. 20, 1940, and No. 384,758, dated Feb. 4, 1941. The archer is a likeness of the applicant.
FOR FOOD BEVERAGE CONTAINING POWDERED WHEY AND DRIED BANANA.
Claims use since Aug. 10, 1939.

Ser. No. 446,958. FANT MILLING COMPANY, Sherman, Tex. Filed Sept. 10, 1941.

GLADIOLA



FOR CREAM MEAL, WHEAT FLOUR, AND BAKING POWDER.
Claims use since 1913 on wheat flour and meal; and since July 22, 1941, on baking powder.

CLASS 47

WINES

Ser. No. 445,850. LODI WINERY, INC., Lodi, Calif. Filed Aug. 1, 1941.



No claim is made to the words "Los Vinos" apart from the mark.
FOR WINES.
Claims use since July 16, 1941.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 445,836. CERVECERIA NACIONAL DOMINICANA C. POR A., Santo Domingo, Dominican Republic. Filed Aug. 1, 1941.



The term "Especial" is disclaimed apart from the association shown.
FOR BEER.
Claims use since May 15, 1935.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 445,572. BASTIERE DELATOUR, doing business as B. Delatour & Cie., Bordeaux, France, and Ponce, Puerto Rico. Filed July 23, 1941.



FOR DISTILLED ALCOHOLIC BRANDY.
Claims use since Nov. 5, 1940.

Ser. No. 446,601. STUART LLOYDS, LTD., Philadelphia, Pa., and St. Thomas, Virgin Islands. Filed Aug. 27, 1941.

ZORRO

FOR RUM.
Claims use since February, 1940.

Ser. No. 446,686. AUSTIN, NICHOLS & CO., INC., Brooklyn, N. Y. Filed Aug. 30, 1941.

ANCORO

FOR BRANDY.
Claims use since Dec. 11, 1940.

Ser. No. 446,717. ARROW DISTILLERIES, INC., Detroit, Mich. Filed Sept. 2, 1941.

ARIEUX

FOR LIQUEURS.
Claims use since June 20, 1941.

Ser. No. 446,719. ARROW DISTILLERIES, INC., Detroit, Mich. Filed Sept. 2, 1941.

Bonne Chance

FOR LIQUEURS.
Claims use since June 20, 1941.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 418,321. LEWIS P. WEIL, Germantown, Philadelphia, Pa. Filed Apr. 15, 1939.

CRYSTALEX

FOR ORNAMENTS IN THE NATURE OF SCALES OF JUSTICE, PLACE CARD HOLDERS, COASTERS, FLOWER HOLDERS, CRESCENTS, SAIL BOATS, FOUNTAINS, PLAQUES, AND STATUETTES, ALL OF WHICH ARE MADE OF SHEETS AND RODS OF ACRYLIC RESINS, CELLULOSE ACETATE, AND PHENOL RESIN, IN COMBINATION, AND ALSO SEPARATELY.
Claims use since Mar. 20, 1939.

Ser. No. 441,061. ERNEST ARTHUR RUMBOLL, Buenos Aires, Argentina. Filed Feb. 27, 1941.



FOR BADGES OF FABRIC OR BASE METAL AND FLAGS.
Claims use since October, 1940.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

OCTOBER 28, 1941

391,136. WHEAT FLOUR, RYE FLOUR, CAKE FLOUR, WHOLE WHEAT FLOUR, GRAHAM FLOUR, SELF-RAISING WHEAT FLOUR, WHEAT BAKERY BRAN, AND STOCK AND POULTRY FEEDS. STANDARD MILLING COMPANY, New York, N. Y.
Filed March 24, 1939. Serial No. 417,477. PUBLISHED AUGUST 19, 1941. Class 46.

391,137. MEN'S AND BOYS' SUITS, COATS, VESTS, TROUSERS, OVERCOATS, DRESS SUITS, AND SCARFS. BAKER CLOTHES, INC., Philadelphia, Pa.
Filed June 21, 1939. Serial No. 420,840. PUBLISHED SEPTEMBER 5, 1939. Class 39.

391,138. PRINTING TYPE FONTS. THE BAUER TYPE FOUNDRY, INC., New York, N. Y.
Filed December 1, 1939. Serial No. 426,117. PUBLISHED AUGUST 19, 1941. Class 14.

391,139. SWEAT SHIRTS, SPORT SHIRTS, AND POLO SHIRTS. NORWICH KNITTING COMPANY, Norwich, N. Y.
Filed February 12, 1940. Serial No. 428,499. PUBLISHED APRIL 16, 1940. Class 39.

391,140. RAW OR PARTLY PREPARED MATERIALS MADE FROM CASHEW NUT SHELL LIQUID, IN LIQUID, PASTE, RUBBER-LIKE, SOLID, AND PULVERIZED FORMS, IN SHEETS, AND IN THE FORM OF MOLDING COMPOUNDS FOR USE AS A RUBBER SUBSTITUTE AND FOR GENERAL USE. THE HARVEL CORPORATION, Irvington, N. J.
Filed April 2, 1940. Serial No. 430,278. PUBLISHED AUGUST 12, 1941. Class 1.

391,141. INSECT REPELLENT. NATIONAL ASSOCIATED DISTRIBUTORS, INC., New York, N. Y.
Filed April 17, 1940. Serial No. 430,873. PUBLISHED JULY 23, 1940. Class 6.

391,142. LIVESTOCK AND POULTRY FEEDS. VY LACTOS LABORATORIES, INC., Des Moines, Iowa.
Filed April 17, 1940. Serial No. 430,886. PUBLISHED AUGUST 19, 1941. Class 46.

391,143. ARTIFICIAL FLOWERS FOR DECORATING HOUSES, HOMES, SHOW WINDOWS, OR STORES. KAPLAN BROS., New York, N. Y.
Filed May 8, 1940. Serial No. 431,687. PUBLISHED AUGUST 12, 1941. Class 50.

391,144. PREPARATIONS FOR CLEANING RADIATORS AND MOTOR COOLING SYSTEMS; CHEMICAL PREPARATIONS FOR DRESSING FABRICS AND FOR WATERPROOFING PURPOSES, ETC. 20TH CENTURY CHEMICAL COMPANY, Camden, N. J.
Filed June 7, 1940. Serial No. 432,800. PUBLISHED AUGUST 12, 1941. Class 6.

391,145. RADIO AND TELEVISION TUBES. PHILCO CORPORATION, Philadelphia, Pa., assignor to National Union Radio Corporation, Newark, N. J., a corporation of Delaware.
Filed June 10, 1940. Serial No. 432,867. PUBLISHED AUGUST 19, 1941. Class 21.

391,146. RUBBER CRIB SHEETS. UNITED STATES RUBBER COMPANY, New York, N. Y.
Filed June 19, 1940. Serial No. 433,187. PUBLISHED AUGUST 12, 1941. Class 50.

391,147. PENCILS, CRAYONS, PENCILS WITH INSERTED RUBBER, INKPENCILS, SLATE-PENCILS, CHALK PENCILS, MECHANICAL PENCILS, MARKING CHALK, RUBBER ERASERS, PENCIL LENGTHENERS AND PENHOLDERS. J. S. STAEDTLER, Nuremberg, Germany.
Filed July 10, 1940. Serial No. 433,835. PUBLISHED AUGUST 19, 1941. Class 37.

391,148. FOOT POWDERS. THE FLEETFOOT COMPANY, Chicago, Ill.
Filed July 26, 1940. Serial No. 434,362. PUBLISHED OCTOBER 15, 1940. Class 6.

391,149. CHEMICAL PRODUCTS FOR PHOTOGRAPHIC PURPOSES, EQUALIZING DEVELOPERS, AND CHEMICAL DEVELOPERS FOR X-RAY PICTURES. DR. C. SCHLEUSSNER, doing business as Dr. C. Schleussner Fotowerke G. m. b. H., Frankfort-on-the-Main, Germany.
Filed September 10, 1940. Serial No. 435,859. PUBLISHED JULY 22, 1941. Class 6.

391,150. PICTURE PUZZLE GAME. THE TUCO WORK SHOPS, INCORPORATED, Lockport, N. Y.
Filed September 12, 1940. Serial No. 435,926. PUBLISHED AUGUST 19, 1941. Class 22.

391,151. HOSIERY. SAMUEL F. NEWMARK, doing business as Reingold Hosiery Co., New York, N. Y.
Filed October 3, 1940. Serial No. 436,623. PUBLISHED MARCH 4, 1941. Class 39.

391,152. SKIN CREAMS, HAND CREAMS, CLEANSING CREAMS, FACE POWDERS, BODY POWDERS, ETC. HENRIETTA E. BOYCE, Glen Rock, N. J.
Filed October 9, 1940, under the act of February 20, 1905, as amended June 10, 1938. Serial No. 436,756. PUBLISHED AUGUST 5, 1941. Class 6.

391,153. SHIRTS, PAJAMAS, UNDERWEAR, AND DRESSES FOR LADIES, AND MEN'S OUTER AND UNDERSHIRTS, PAJAMAS, AND UNDERWEAR. HAROLD WAKEFIELD CALLEN, Nutley, N. J., and New York, N. Y., assignor to Acala Fabrics Company, San Francisco, Calif., a firm composed of Edwin L. Oliver, Reginald A. Keohan, Henry M. Towar, and Scott C. Towar
Filed November 9, 1940. Serial No. 437,713. PUBLISHED JANUARY 21, 1941. Class 39.

391,154. WOMEN'S, CHILDREN'S, AND INFANTS' UNDERWEAR. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed November 20, 1940. Serial No. 438,091. PUBLISHED AUGUST 12, 1941. Class 39.

391,155. VERMIFUGES, INSECTICIDES, GERMICIDES, AND DISINFECTANTS. WALNUT GROVE PRODUCTS COMPANY, Atlantic, Iowa.
Filed November 25, 1940. Serial No. 438,226. PUBLISHED AUGUST 19, 1941. Class 6.

391,156. ICE CREAM CONES. MARYLAND BAKING COMPANY, INC., Baltimore, Md.
Filed December 2, 1940. Serial No. 438,441. PUBLISHED AUGUST 19, 1941. Class 46.

391,157. RAZOR BLADES. COOPER & COOPER INC., Brooklyn, N. Y.
Filed December 27, 1940. Serial No. 439,223. PUBLISHED AUGUST 19, 1941. Class 23.

391,158. DRY CLEANING FLUID. J. E. MARTIN EQUIPMENT CORPORATION, Niagara Falls, N. Y.
Filed January 3, 1941. Serial No. 439,393. PUBLISHED AUGUST 19, 1941. Class 4.

391,159. MEN'S AND BOYS' OUTER SHIRTS. ACALA FABRICS COMPANY, San Francisco, Calif.
Filed January 17, 1941. Serial No. 439,740. PUBLISHED APRIL 8, 1941. Class 39.

391,160. LAMINATED GLASS. AMERICAN WINDOW GLASS COMPANY, Pittsburgh, Pa.
Filed February 5, 1941. Serial No. 440,307. PUBLISHED AUGUST 19, 1941. Class 33.

391,161. VARIOUS CANNED FOOD PRODUCTS—NAMELY, CHICKEN GIZZARDS, CHICKEN BREASTS, CHICKEN HEARTS, CHICKEN LIVERS, ETC. MORTON PACKING COMPANY, Louisville, Ky.
Filed February 7, 1941. Serial No. 440,423. PUBLISHED JULY 22, 1941. Class 46.

391,162. COLLOIDAL SULPHUR SOLUTION FOR INTERNAL CONSUMPTION, BATHS, ENEMA, BURNS, AS A DETOXICANT, VINCENT'S ANGINA, RING WORM OF THE FEET, AND ARTHRITIS. CALISTE V. WILSON, doing business as Cottie-Wilson Laboratories, North Hollywood, Calif.
Filed February 8, 1941. Serial No. 440,446. PUBLISHED AUGUST 19, 1941. Class 6.

391,163. SACHETS AND FLOWER PACKS. MARY DOUGLAS, INC., New York, N. Y.
Filed February 8, 1941. Serial No. 440,461. PUBLISHED AUGUST 12, 1941. Class 6.

391,164. CONCRETE MIXTURES AND PLASTERS. MINERALS, INC., Franklin, N. C.
Filed February 20, 1941. Serial No. 440,828. PUBLISHED AUGUST 12, 1941. Class 12.

391,165. CLOTHING—NAMELY, BOYS' CLOTH, WASH, AND KNITTED SUITS, ALSO CHILDREN'S OUTER KNITTED GARMENTS—NAMELY SWEATERS. PETER PIPER CLOTHES INC., Philadelphia, Pa.
Filed February 21, 1941. Serial No. 440,876. PUBLISHED AUGUST 12, 1941. Class 39.

391,166. AUTOMOBILES AND STRUCTURAL PARTS THEREOF. GENERAL MOTORS CORPORATION, Detroit, Mich.
Filed March 5, 1941. Serial No. 441,242. PUBLISHED AUGUST 19, 1941. Class 19.

391,167. COATINGS IN THE NATURE OF PAINT AND ENAMEL COATINGS FOR METAL, WOOD, PAPER, AND THE LIKE SUBSTANCES. THORMAC CHEMICAL COMPANY, INC., New York, N. Y.
Filed March 7, 1941. Serial No. 441,334. PUBLISHED AUGUST 19, 1941. Class 16.

391,168. COATINGS IN THE NATURE OF PAINT AND ENAMEL COATINGS FOR METAL, WOOD, PAPER, AND THE LIKE SUBSTANCES. THORMAC CHEMICAL COMPANY, INC., New York, N. Y.
Filed March 7, 1941. Serial No. 441,335. PUBLISHED AUGUST 19, 1941. Class 16.

391,169. RODEO ATTIRE—NAMELY, SHIRTS, JACKETS, AND SUITS FOR THE USE OF MEN, WOMEN, BOYS AND GIRLS. GERSON LICHTENSTEIN, Philadelphia, Pa.
Filed March 14, 1941. Serial No. 441,546. PUBLISHED AUGUST 19, 1941. Class 39.

391,170. PREPARATION USED IN THE TREATMENT OF HEART CONDITIONS; A CONCENTRATED ANTI-ANEMIC EXTRACT, ETC. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed March 17, 1941. Serial No. 441,627. PUBLISHED AUGUST 5, 1941. Class 6.

391,171. POULTRY GRAIN, DRY-MASH CHICK FEED AND STOCK FEED. TIOGA MILLS, INC., Waverly, N. Y.
Filed March 28, 1941. Serial No. 442,054. PUBLISHED AUGUST 19, 1941. Class 46.

391,172. SLIPS. INDUSTRIAL UNDERGARMENT CORPORATION, Poughkeepsie, N. Y.
Filed March 31, 1941. Serial No. 442,132. PUBLISHED AUGUST 12, 1941. Class 39.

391,173. BODY DEODORANTS—VIZ., CREAM DEODORANT, DEODORANT POWDER, AND DEODORANT PADS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed March 31, 1941. Serial No. 442,143. PUBLISHED AUGUST 19, 1941. Class 6.

391,174. PARASITICIDES, INSECTICIDES, ANIMAL POISONS, AND ANIMAL REPELLENTS. CALIFORNIA SPRAY-CHEMICAL CORPORATION, Wilmington, Del., and Richmond, Calif.
Filed April 9, 1941. Serial No. 442,408. PUBLISHED AUGUST 12, 1941. Class 6.

391,175. BAKING OVENS AND HOT AIR AGITATING APPARATUS THEREFOR. THE PETERSEN OVEN COMPANY, Chicago, Ill.
Filed April 9, 1941. Serial No. 442,427. PUBLISHED AUGUST 19, 1941. Class 34.

391,176. ASTRINGENT, SKIN LOTION, FOUNDATION LOTION, NIGHT AND DAY FOUNDATION, CLEANSING CREAM, ETC. BONNE BELL, INC., Lakewood, Ohio.
Filed May 8, 1941. Serial No. 443,354. PUBLISHED JULY 22, 1941. Class 6.

391,177. AMMONIA, DEODORANT, AND BLEACH. C. M. KIMBALL CO., Boston, Mass.
Filed May 8, 1941. Serial No. 443,363. PUBLISHED AUGUST 5, 1941. Class 6.

391,178. GRAVITY ROOF VENTILATORS. KLAUER MANUFACTURING COMPANY, Dubuque, Iowa.
Filed May 8, 1941. Serial No. 443,364. PUBLISHED AUGUST 19, 1941. Class 34.

391,179. INFANTS' BEDDING—NAMELY, CRIB COVERS. THE WILLIAM CARTER COMPANY, Needham Heights, Mass.
Filed May 9, 1941. Serial No. 443,399. PUBLISHED AUGUST 12, 1941. Class 42.

391,180. FUEL OIL, GASOLINE OIL, ILLUMINATING OIL, LUBRICATING OIL, GASOLINE, AND GEAR GREASE. BILLUPS PETROLEUM COMPANY, Greenwood, Jackson, Clarksdale, Indianola, Belzoni, Columbus, Columbia, Gulfport, Itta Bena, Natchez, Durant, Miss.; Lake Charles, New Iberia, New Orleans, Jennings, Opelousas, Eunice, Franklin, Alexandria, Amite, Hammond, La.; and Memphis, Tenn.
Filed May 10, 1941. Serial No. 443,451. PUBLISHED AUGUST 12, 1941. Class 15.

391,181. BODY DEODORANT. EARL CORYELL, doing business as "Dr. Daniel Brook's Three Daughters," Lincoln Nebr.
Filed May 10, 1941. Serial No. 443,455. PUBLISHED AUGUST 5, 1941. Class 6.

391,182. WRAPPING PAPER AND PARTICULARLY AN INNER-WRAP FOR MEATS AND FOODS. CROWN ZELLERBACH CORPORATION, also doing business as Crown Willamette Paper Co., San Francisco, Calif.
Filed May 12, 1941. Serial No. 443,479. PUBLISHED AUGUST 19, 1941. Class 37.

391,183. REFRACTORY USED IN RAMMING, COATING, AND SPRAYING LADLES IN IRON, MALLEABLE, AND BLAST FURNACE LADLES, ETC. THE PYRO CLAY PRODUCTS COMPANY, Oak Hill, Ohio.
Filed May 12, 1941. Serial No. 443,517. PUBLISHED AUGUST 12, 1941. Class 1.

391,184. VITAMIN-CONTAINING PHARMACEUTICALS. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio.
Filed May 13, 1941. Serial No. 443,541. PUBLISHED AUGUST 5, 1941. Class 6.

391,185. SPORT AND WORK JACKETS, COATS, VESTS, AND SWEATERS FOR MEN, BOYS, JUVENILES, MISSES, AND LADIES. I. SPIEWAK & SONS, Jersey City, N. J.
Filed May 14, 1941. Serial No. 443,584. PUBLISHED AUGUST 12, 1941. Class 39.

391,186. LAXATIVES, SKIN AND RECTAL OINTMENTS, AND HEALING SALVES. PETER VOSS, doing business as Teddy Pharmaceutical Co., Washington, D. C.
Filed May 14, 1941. Serial No. 443,588. PUBLISHED AUGUST 19, 1941. Class 6.

391,187. COATED FABRICS. ATLAS POWDER COMPANY, Wilmington, Del.
Filed May 16, 1941. Serial No. 443,623. PUBLISHED AUGUST 19, 1941. Class 50.

391,188. COATED FABRICS. ATLAS POWDER COMPANY, Wilmington, Del.
Filed May 16, 1941. Serial No. 443,624. PUBLISHED AUGUST 12, 1941. Class 50.

391,189. COATED FABRICS. ATLAS POWDER COMPANY, Wilmington, Del.
Filed May 16, 1941. Serial No. 443,625. PUBLISHED AUGUST 12, 1941. Class 50.

391,190. MEN'S OVERCOATS OF WOOL AND MOHAIR. MERIT CLOTHING COMPANY, INC., Mayfield, Ky.
Filed May 17, 1941. Serial No. 443,663. PUBLISHED AUGUST 19, 1941. Class 39.

391,191. POWER BOWLING MACHINES OF THE TYPE WHEREIN A BOWLING BALL IS FIRST SPUN BY A POWER MOTOR AND THEN DISCHARGED ALONG A BOWLING ALLEY, BOWLING PINS, BOWLING BALLS, AND BOWLING ALLEYS. ROTOBOWLING CORPORATION, Miami, Fla.
Filed May 19, 1941. Serial No. 443,704. PUBLISHED AUGUST 19, 1941. Class 22.

391,192. ASH TRAYS HAVING AS A PART THEREOF A TOY AIRPLANE. TRANSCONTINENTAL & WESTERN AIR, INC., North Kansas City, Mo.
Filed May 19, 1941. Serial No. 443,706. PUBLISHED AUGUST 12, 1941. Class 8.

391,193. PAPER FOR GENERAL PRINTING PURPOSES SUCH AS STATIONERY, OFFICE FORMS, BROADSIDES, AND ENVELOPE INSERTS. BADGER PAPER MILLS, INC., Peshtigo, Wis.
Filed May 20, 1941. Serial No. 443,709. PUBLISHED AUGUST 12, 1941. Class 37.

391,194. SWEATERS AND SWEATER ENSEMBLE CONSISTING OF A SWEATER AND COAT. BELDOCH-POPPER INC., New York, N. Y.
Filed May 21, 1941. Serial No. 443,743. PUBLISHED AUGUST 12, 1941. Class 39.

391,195. DYED AND BLENDED MUSKRAT COATS FOR WOMEN. PODHOUSER & HOLLINGER FUR CORP., New York, N. Y.
Filed May 21, 1941. Serial No. 443,780. PUBLISHED AUGUST 19, 1941. Class 39.

391,196. WEARING APPAREL—NAMELY, FUR SCARFS, FUR MUFFS, FUR HATS, FUR CAPES, FUR COATS, FUR JACKETS, FUR COLLARS, ETC. CLEARFIELD TAXIDERMY COMPANY, Clearfield, Pa.
Filed April 10, 1941. Serial No. 442,444. PUBLISHED AUGUST 19, 1941. Class 39.

391,197. FIELD SEEDS AND HYBRID SEED CORN. PRODUCERS' CROP IMPROVEMENT ASSOCIATION, Piper City, Ill.
Filed April 11, 1941. Serial No. 442,497. PUBLISHED AUGUST 19, 1941. Class 1.

391,198. GRIT, GRAVEL, OYSTER SHELL AND CHARCOAL FOR BIRDS. BURNETT'S INCORPORATED, Newark, N. J.
Filed April 18, 1941. Serial No. 442,688. PUBLISHED AUGUST 12, 1941. Class 1.

391,199. MIXTURE WITH AN ACID, SUCH AS A PHOSPHORIC ACID, BASE TO BE APPLIED TO THE SURFACES OF FERROUS AND NON-FERROUS METALS TO PREPARE THE SAME FOR PAINTING. INDUSTRIAL CHEMICAL PRODUCTS COMPANY, Detroit, Mich.
Filed April 18, 1941. Serial No. 442,708. PUBLISHED AUGUST 12, 1941. Class 6.

391,200. UNITARY COMBINATION OF CONTAINER, COOLER AND DISPENSER, FOR HANDLING SOFT DRINKS AND THEIR INGREDIENTS, AT SODA FOUNTAINS, BARS, AND THE LIKE. AMP CORPORATION, St. Louis, Mo.
Filed April 21, 1941. Serial No. 442,771. PUBLISHED AUGUST 19, 1941. Class 23.

391,201. HEATING FURNACES USING SOLID, LIQUID, OR GASEOUS FUELS, SUCH AS COAL, COKE, PEAT, FUEL OIL, ARTIFICIAL GAS, NATURAL GAS. JACKSON & CHURCH COMPANY, Saginaw, Mich.
Filed April 21, 1941. Serial No. 442,789. PUBLISHED AUGUST 19, 1941. Class 34.

391,202. BATHING SUITS AND WOMEN'S SPORTWEAR CLOTHING CONSISTING OF DRESSES, SWEATERS, AND SLACK SUITS. MARTIN WHITE INC., New York, N. Y.
Filed April 24, 1941. Serial No. 442,921. PUBLISHED AUGUST 12, 1941. Class 39.

391,203. MASSAGE BAR FOR MASSAGING AND MEDICATING THE FEET. EARL O. MEYER, doing business as Moe-Nade Laboratories, Denver, Colo.
Filed April 28, 1941. Serial No. 443,048. PUBLISHED AUGUST 5, 1941. Class 6.

391,204. RAYON AND SILK UNDERWEAR FOR WOMEN. LOUIS HERMAN & COMPANY, New York, N. Y.
Filed May 2, 1941. Serial No. 443,191. PUBLISHED AUGUST 19, 1941. Class 39.

391,205. PREPARATION FOR THE TREATMENT OF GASTRIC (STOMACH) OR DUODENAL (INTESTINAL) ULCERS, AS WELL AS FOR HYPERACIDITY. THE LIEBENTHAL BROTHERS COMPANY, doing business as Mario Products Co., Cleveland, Ohio.
Filed May 2, 1941. Serial No. 443,197. PUBLISHED AUGUST 19, 1941. Class 6.

391,206. TISSUE PAPER AND WRITING PAPER AND ENVELOPES. BLOOMINGDALE BROS., INC., New York, N. Y.
Filed May 5, 1941. Serial No. 443,245. PUBLISHED AUGUST 12, 1941. Class 37.

391,207. CHEMICAL AGENT FOR INHIBITING, PREVENTING, AND REMOVING DEPOSITS OF ASPHALT, WAX, PARAFFIN, ORGANIC MATERIALS, AND THE LIKE IN OIL WELLS, OIL COLLECTING LINES, TANKS, AND SIMILAR PETROLEUM HANDLING EQUIPMENT. PETROLITE CORPORATION, LTD., St. Louis, Mo.
Filed May 5, 1941. Serial No. 443,264. PUBLISHED AUGUST 12, 1941. Class 6.

391,208. FROZEN MEATS, TO WIT, SPICED BEEF. STANDARD FOODS, INCORPORATED, Louisville, Ky.
Filed May 5, 1941. Serial No. 443,270. PUBLISHED AUGUST 19, 1941. Class 46.

391,209. PAPER AND PAPER PRODUCTS: OILED AND UNOILED BOARDS FOR STENCILS, ELASTIC PAPER BARREL LINING, ETC. CENTRAL PAPER COMPANY, INCORPORATED, Muskegon, Mich.
Filed May 6, 1941. Serial No. 443,283. PUBLISHED AUGUST 19, 1941. Class 37.

391,210. CANNED LOBSTER. GRAND BAHAMA PACKING COMPANY, LIMITED, Nassau, New Providence, Bahama Islands.
Filed May 6, 1941. Serial No. 443,290. PUBLISHED AUGUST 19, 1941. Class 46.

391,211. CHINA CLAY. J. M. HUBER, INC., New York N. Y.
Filed May 6, 1941. Serial No. 443,292. PUBLISHED AUGUST 19, 1941. Class 1.

391,212. CHINA CLAY. J. M. HUBER, INC., New York, N. Y.
Filed May 6, 1941. Serial No. 443,293. PUBLISHED AUGUST 19, 1941. Class 1.

391,213. MINERAL ABRASIVE POWDERS. OREFRACTION INCORPORATED, Pittsburgh, Pa.
Filed May 6, 1941. Serial No. 443,302. PUBLISHED AUGUST 19, 1941. Class 4.

391,214. PAPER HAVING A SMOOTH GLOSSY THERMOPLASTIC COATING THEREON USEFUL FOR DECALCOMANIA, TRANSFERRING, LAMINATING, AND THE LIKE. SYLVANIA INDUSTRIAL CORPORATION, Fredericksburg, Va., and New York, N. Y.
Filed May 7, 1941. Serial No. 443,349. PUBLISHED AUGUST 19, 1941. Class 37.

391,215. TEXTILE FABRICS IN THE PIECE HAVING A SMOOTH GLOSSY THERMOPLASTIC COATING THEREON. SYLVANIA INDUSTRIAL CORPORATION, Fredericksburg, Va., and New York, N. Y.
Filed May 7, 1941. Serial No. 443,350. PUBLISHED AUGUST 12, 1941. Class 50.

391,216. LADIES' DRESSES AND HOUSECOATS. SAMUEL J. GOLDFARB, New York, N. Y.
Filed May 22, 1941. Serial No. 443,810. PUBLISHED AUGUST 12, 1941. Class 39.

391,217. FOOD COLORINGS. R. C. WILLIAMS & COMPANY, INC., New York, N. Y.
Filed May 22, 1941. Serial No. 443,826. PUBLISHED AUGUST 19, 1941. Class 6.

391,218. INSECTICIDE SPECIALLY PROCESSED TO ALLAY IRRITATION IN THE TREATMENT OF PEDICULOSIS, SCABIES, ETC. WALTER K. ANGEVINE, Washington, D. C.
Filed May 26, 1941. Serial No. 443,831. PUBLISHED AUGUST 12, 1941. Class 6.

391,219. DEHUMIDIFIERS FOR DEHUMIDIFYING AIR BY ABSORPTION OF MOISTURE BY A DELIQUESCENT MATERIAL. THE SOLVAY PROCESS COMPANY, New York, N. Y.
Filed May 23, 1941. Serial No. 443,862. PUBLISHED AUGUST 19, 1941. Class 34.

391,220. TEXTILE RIBBONS MANUFACTURED FROM SILK, RAYON, AND COMBINATIONS OF SILK, RAYON, COTTON, AND TINSEL, SOLD BY THE YARD, SPOOL, PIECE, HANK OR BOLT. STARK BROS. RIBBON CORPORATION, New York, N. Y.
Filed May 23, 1941. Serial No. 443,863. PUBLISHED AUGUST 12, 1941. Class 42.

391,221. ELECTRIC LIGHTING FIXTURES. BENJAMIN ELECTRIC MFG. COMPANY, Des Plaines, Ill.
Filed May 24, 1941. Serial No. 443,872. PUBLISHED AUGUST 19, 1941. Class 21.

391,222. CREAM FOR PERMANENT WAVING, PERMANENT WAVING SOLUTION, SHAMPOO, HAIR OIL, FINGER WAVE SOLUTION, FACIAL CREAM, HAIR CREAM, FACIAL LOTION, NAIL POLISH, NAIL POLISH REMOVER, AND CUTICLE REMOVER. NATRA-LYN MANUFACTURING COMPANY, Philadelphia, Pa.
Filed May 24, 1941. Serial No. 443,890. PUBLISHED AUGUST 19, 1941. Class 6.

391,223. COMPOUND VITAMIN PREPARATION FOR THE PREVENTION AND TREATMENT OF COMBINED DEFICIENCIES OF VARIOUS VITAMINS. ALBA PHARMACEUTICAL COMPANY, INC., New York, N. Y.
Filed May 26, 1941. Serial No. 443,906. PUBLISHED AUGUST 5, 1941. Class 6.

391,224. SAFETY RAZOR BLADES. GILLETTE SAFETY RAZOR COMPANY, Boston, Mass.
Filed May 26, 1941. Serial No. 443,930. PUBLISHED AUGUST 19, 1941. Class 23.

391,225. COLOGNE. MELVIN H. JACOBS, doing business as Eaton Products, Chicago, Ill.
Filed May 26, 1941. Serial No. 443,936. PUBLISHED AUGUST 5, 1941. Class 6.

391,226. MEN'S AND WOMEN'S OUTER GARMENTS—VIZ., COATS, JACKETS, WINDBREAKERS, PULLOVERS, SPORT SHIRTS, AND RAINCOATS. LUSTBERG, NAST & CO., INC., New York, N. Y.
Filed May 26, 1941. Serial No. 443,943. PUBLISHED AUGUST 12, 1941. Class 39.

391,227. HARD FACING ALLOY METAL. WILLIAM C. MCLOTT, doing business as The Resisto-Loy Company, Grand Rapids, Mich.
Filed May 26, 1941. Serial No. 443,946. PUBLISHED AUGUST 19, 1941. Class 14.

391,228. HARD FACING ALLOY METAL. WILLIAM C. MCLOTT, doing business as The Resisto-Loy Company, Grand Rapids, Mich.
Filed May 26, 1941. Serial No. 443,947. PUBLISHED AUGUST 19, 1941. Class 14.

391,229. HARD FACING ALLOY METAL. WILLIAM C. MCLOTT, doing business as The Resisto-Loy Company, Grand Rapids, Mich.
Filed May 26, 1941. Serial No. 443,948. PUBLISHED AUGUST 19, 1941. Class 14.

391,230. CANNED FRUITS AND CANNED VEGETABLES. NORMAN L. WAGGONER, INC., San Francisco, Calif.
Filed May 26, 1941. Serial No. 443,965. PUBLISHED AUGUST 19, 1941. Class 46.

391,231. POWDER PUFFS. VICTORIA-VOGUE, INC., New York, N. Y.
Filed May 27, 1941. Serial No. 443,989. PUBLISHED AUGUST 12, 1941. Class 29.

391,232. MEN'S AND BOYS' TROUSERS. H. SIEGFRIED & SONS, INC., St. Louis, Mo.
Filed June 10, 1941. Serial No. 444,392. PUBLISHED AUGUST 19, 1941. Class 39.

391,233. COTTON GOODS IN THE PIECE. AMERICAN BLEACHED GOODS COMPANY, INC., New York, N. Y.
Filed June 11, 1941. Serial No. 444,393. PUBLISHED AUGUST 12, 1941. Class 42.

391,234. LADIES' AND MISSES' DRESSES, AND DRESS ENSEMBLES CONSISTING OF A DRESS AND JACKET. PACKARD DRESSES INC., New York, N. Y.
Filed June 11, 1941. Serial No. 444,413. PUBLISHED AUGUST 19, 1941. Class 39.

391,235. PARTICULATE CARBON HAVING A GENERAL USE IN THE INDUSTRIAL ARTS. COLUMBIAN CARBON COMPANY, New York, N. Y.
Filed June 12, 1941. Serial No. 444,439. PUBLISHED AUGUST 5, 1941. Class 6.

391,236. PERFUMES AND TOILET WATER. GASTON DE PARIS, INC., New York, N. Y.
Filed June 12, 1941. Serial No. 444,446. PUBLISHED AUGUST 19, 1941. Class 6.

391,237. PIG IRON. THE HANNA FURNACE CORPORATION, Buffalo, N. Y.
Filed June 13, 1941. Serial No. 444,498. PUBLISHED AUGUST 19, 1941. Class 14.

391,238. ARTICLES OF WEARING APPAREL SPECIALLY DESIGNED FOR USE BY WOMEN—NAMELY, SKIRTS, BLOUSES, SWEATERS, BATHING SUITS, PAJAMAS, SHIRTS, AND KNITTED UNDERWEAR. THE MANHATTAN SHIRT COMPANY, New York, N. Y.
Filed June 13, 1941. Serial No. 444,506. PUBLISHED AUGUST 12, 1941. Class 39.

391,239. SPAGHETTI IN HERMETICALLY CLOSED CONTAINERS. CAMPBELL SOUP COMPANY, Camden, N. J.
Filed June 14, 1941. Serial No. 444,522. PUBLISHED AUGUST 19, 1941. Class 46.

391,240. WOMEN'S COATS. BENJAMIN GREENHOLTZ, New York, N. Y.
Filed June 14, 1941. Serial No. 444,534. PUBLISHED AUGUST 19, 1941. Class 39.

391,241. CONTAINER OR VIAL, AMPOULE OR AMPOULE-VIAL HOLDING A BIOLOGICAL OR PHARMACEUTICAL MEDICAMENT, ETC. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed June 14, 1941. Serial No. 444,549. PUBLISHED AUGUST 19, 1941. Class 6.

391,242. VITAMIN PRODUCT. THE PENSLAR COMPANY, Detroit, Mich.
Filed June 16, 1941. Serial No. 444,579. PUBLISHED AUGUST 19, 1941. Class 6.

391,243. COMBINED SPEAR AND FORK MADE OF PLASTIC MATERIAL FOR USE IN HANDLING PICKLES, OLIVES, LEMON SLICES, AND THE LIKE. HOWARD L. ROSS CORPORATION, New York, N. Y.
Filed June 16, 1941. Serial No. 444,582. PUBLISHED AUGUST 19, 1941. Class 23.

391,244. EMULSIFYING, WETTING, AND DISPERSING AGENTS. ATLAS POWDER COMPANY, Wilmington, Del.
Filed June 17, 1941. Serial No. 444,591. PUBLISHED AUGUST 12, 1941. Class 6.

391,245. PERFUMES. PAUL DONALD ST. JOHN, Claremont, Calif.
Filed June 17, 1941. Serial No. 444,614. PUBLISHED AUGUST 5, 1941. Class 6.

391,246. ACOUSTICAL TILE. UNITED STATES GYPSUM COMPANY, Chicago, Ill.
Filed June 17, 1941. Serial No. 444,619. PUBLISHED AUGUST 12, 1941. Class 12.

391,247. VITAMIN-MINERAL SUPPLEMENT FOR DOGS AND SMALL BREED ANIMALS. U. S. VITAMIN CORPORATION, New York, N. Y.
Filed June 17, 1941. Serial No. 444,621. PUBLISHED AUGUST 5, 1941. Class 6.

391,248. MEN'S SUITS, SLACKS, OUTER AND UNDER SHIRTS; WEARING APPAREL OF WOOL, COTTON, SILK, RAYON, OR COMBINATIONS THEREOF, ETC. WEBER AND HEILBRONER, INC., New York, N. Y.
Filed June 17, 1941. Serial No. 444,622. PUBLISHED AUGUST 19, 1941. Class 39.

391,249. PIECE GOODS MADE OF RAYON AND OTHER SYNTHETIC FIBERS, WITH OR WITHOUT ADMIXTURES OF NATURAL FIBERS. SILAS K. EVERETT, New York, N. Y.
Filed June 18, 1941. Serial No. 444,639. PUBLISHED AUGUST 12, 1941. Class 42.

391,250. BLANKETS AND PIECE GOODS OF COTTON, WOOL, ARTIFICIAL SILK AND MIXTURES THEREOF, AND SHEETS, PILLOW CASES, TOWELS, AND WASH CLOTHS. PEPPERELL MANUFACTURING COMPANY, Boston, Mass.
Filed June 18, 1941. Serial No. 444,655. PUBLISHED AUGUST 12, 1941. Class 42.

391,251. PHARMACEUTICAL PREPARATION OF VITAMINS AND MINERALS IN THE FORM OF AN ELIXIR, CAPSULES, TABLETS, AND SYRUP. PREMO PHARMACEUTICAL LABORATORIES, INC., New York, N. Y.
Filed June 18, 1941. Serial No. 444,658. PUBLISHED AUGUST 19, 1941. Class 6.

391,252. WOMEN'S, MISSES', AND CHILDREN'S DRESSES. SIDNEY WINSTON, Washington, D. C.
Filed June 18, 1941. Serial No. 444,661. PUBLISHED AUGUST 19, 1941. Class 39.

391,253. DECORATIVE LIGHTING DEVICES IN THE FORM OF UNITARY ARTICLES ADAPTED TO BE ELECTRICALLY LIGHTED—NAMELY, CHRISTMAS TREE LIGHTING OUTFITS, WREATHS, AND CANDLE LIGHTS. LEO POLLOCK CORPORATION, New York, N. Y.
Filed June 19, 1941. Serial No. 444,678. PUBLISHED AUGUST 19, 1941. Class 21.

391,254. DECORATIVE LIGHTING DEVICES IN THE FORM OF UNITARY ARTICLES ADAPTED TO BE ELECTRICALLY LIGHTED—NAMELY, CHRISTMAS TREE LIGHTING OUTFITS, WREATHS, CHRISTMAS STARS, AND CANDLE LIGHTS. LEO POLLOCK CORPORATION, New York, N. Y.
Filed June 19, 1941. Serial No. 444,679. PUBLISHED AUGUST 19, 1941. Class 21.

391,255. BLANKETS. PEPPERELL MANUFACTURING COMPANY, Boston, Mass.
Filed June 20, 1941. Serial No. 444,714. PUBLISHED AUGUST 12, 1941. Class 42.

391,256. MATTRESSES, BOX SPRINGS, STUDIO COUCHES, AND PILLOWS. SLEEPMASTER PRODUCTS COMPANY, Newark, N. J.
Filed June 20, 1941. Serial No. 444,717. PUBLISHED AUGUST 19, 1941. Class 32.

391,257. YARN CARRIERS AND YARN CARRIER TUBES AND YARN CARRIER FINGERS FOR KNITTING MACHINES, PARTICULARLY HOSIERY KNITTING MACHINES. ERNEST A. FEUSTEL, INCORPORATED, Hasbrouck Heights, N. J.
Filed June 21, 1941. Serial No. 444,734. PUBLISHED AUGUST 19, 1941. Class 23.

391,258. ELECTRIC SWITCHES, VIBRATORS, ELECTRIC CONDENSERS, PUSH BUTTON TUNERS. OAK MFG. CO., Chicago, Ill.
Filed June 21, 1941. Serial No. 444,738. PUBLISHED AUGUST 19, 1941. Class 21.

391,259. COTTON TWINE. PIEDMONT COTTON MILLS, Egan, Ga.
Filed June 21, 1941. Serial No. 444,740. PUBLISHED AUGUST 19, 1941. Class 7.

391,260. FUR COATS AND JACKETS. WAKS FUR COMPANY, New York, N. Y.
Filed June 21, 1941. Serial No. 444,745. PUBLISHED AUGUST 19, 1941. Class 39.

391,261. PERFUMES. ELIZABETH ARDEN SALES CORPORATION, New York, N. Y.
Filed June 24, 1941. Serial No. 444,786. PUBLISHED AUGUST 5, 1941. Class 6.

391,262. PRINTING MACHINES. DASH, INCORPORATED, New York, N. Y.
Filed June 24, 1941. Serial No. 444,791. PUBLISHED AUGUST 19, 1941. Class 23.

391,263. SILK FABRICS IN THE PIECE. SHIRLEY SILK CO., INC., New York, N. Y.
Filed June 24, 1941. Serial No. 444,801. PUBLISHED AUGUST 12, 1941. Class 42.

391,264. SILK FABRICS IN THE PIECE. SHIRLEY SILK CO., INC., New York, N. Y.
Filed June 24, 1941. Serial No. 444,802. PUBLISHED AUGUST 12, 1941. Class 42.

391,265. SILK FABRICS IN THE PIECE. SHIRLEY SILK CO., INC., New York, N. Y.
Filed June 24, 1941. Serial No. 444,803. PUBLISHED AUGUST 12, 1941. Class 42.

391,266. PARTICULATE CARBON HAVING A GENERAL USE IN THE INDUSTRIAL ARTS. COLUMBIAN CARBON COMPANY, New York, N. Y.
Filed June 25, 1941. Serial No. 444,820. PUBLISHED AUGUST 19, 1941. Class 6.

391,267. MOTHPROOFING COMPOSITION. ZONITE PRODUCTS CORPORATION, New York, N. Y.
Filed June 25, 1941. Serial No. 444,846. PUBLISHED AUGUST 19, 1941. Class 6.

391,268. MOTHPROOFING COMPOSITION. ZONITE PRODUCTS CORPORATION, New York, N. Y.
Filed June 25, 1941. Serial No. 444,847. PUBLISHED AUGUST 19, 1941. Class 6.

391,269. METAL POLISH CONSISTING OF A PRECIPITATED ALUMINA USED FOR POLISHING METAL TO DETERMINE THE GRAINING THEREOF. CONRAD WOLFF, Irvington, N. J.
Filed June 26, 1941. Serial No. 444,851. PUBLISHED AUGUST 19, 1941. Class 4.

391,270. SOAP IMPREGNATED METALLIC WOOL PADS. CLUB ALUMINUM PRODUCTS CO., Chicago, Ill.
Filed June 27, 1941. Serial No. 444,896. PUBLISHED AUGUST 19, 1941. Class 4.

391,271. TOOTH FACINGS AND DENTAL CROWNS FOR COVERING TEETH. NU-DENT PORCELAIN STUDIO, INC., New York, N. Y.
Filed June 27, 1941. Serial No. 444,911. PUBLISHED AUGUST 19, 1941. Class 44.

391,272. ELECTRICAL CONDUCTOR WIRES AND CABLES. UNITED STATES RUBBER COMPANY, New York, N. Y.
Filed June 27, 1941. Serial No. 444,921. PUBLISHED AUGUST 19, 1941. Class 21.

391,273. ELECTRIC MOTORS. U. S. ELECTRICAL MOTORS, INC., Los Angeles, Calif.
Filed June 27, 1941. Serial No. 444,922. PUBLISHED AUGUST 19, 1941. Class 21.

391,274. EAU DE COLOGNE, AFTER-SHAVE LOTION, AND SCALP STIMULANT. LENTHERIC, INCORPORATED, New York, N. Y.
Filed June 28, 1941. Serial No. 444,937. PUBLISHED AUGUST 12, 1941. Class 6.

391,275. PASTE PAINTS AND READY-MIXED PAINTS, AND PAINT ENAMELS. KEYSTONE VARNISH COMPANY, Brooklyn, N. Y.
Filed May 29, 1941. Serial No. 444,047. PUBLISHED AUGUST 19, 1941. Class 16.

391,276. FOOD PATTY FORMING MACHINES. PATENTED APPLIANCES, INCORPORATED, Simsbury and Saybrook, Conn.
Filed May 29, 1941. Serial No. 444,051. PUBLISHED AUGUST 19, 1941. Class 23.

391,277. MEDICINAL PREPARATION RECOMMENDED AS A GENERAL INVIGORATOR AND RESTORATIVE FOR USE DURING GROWTH, PREGNANCY, CONVALESCENCE, AND IN FATIGUE, DEBILITY, DIETARY DEFICIENCIES AND SIMILAR CONDITIONS. SANDOZ CHEMICAL WORKS, INC., New York, N. Y.
Filed May 29, 1941. Serial No. 444,054. PUBLISHED AUGUST 12, 1941. Class 6.

391,278. SAUSAGE SEASONING CONTAINING SALT, OLEORESIN PAPRIKA AND OTHER ESSENTIAL OILS AND EXTRACTIONS. SPICENE CO. OF AMERICA, Long Island City, N. Y.
Filed May 29, 1941. Serial No. 444,057. PUBLISHED AUGUST 19, 1941. Class 46.

391,279. LILY BULBS AND LILY BUDS. TRU ALLEN COVEL, Sunnylands, Paget East, Bermuda.
Filed May 31, 1941. Serial No. 444,071. PUBLISHED AUGUST 12, 1941. Class 1.

391,280. HOSIERY. BEST MADE SILK HOSIERY CO., Quakertown, Pa.
Filed June 2, 1941. Serial No. 444,115. PUBLISHED AUGUST 12, 1941. Class 39.

391,281. LEAD PENCILS. AMERICAN LEAD PENCIL COMPANY, Hoboken, N. J.
Filed June 3, 1941. Serial No. 444,132. PUBLISHED AUGUST 19, 1941. Class 37.

391,282. ADSORBENT MAGNESIUM SILICATE. FLORIDIN COMPANY, Warren, Pa.
Filed June 3, 1941. Serial No. 444,145. PUBLISHED AUGUST 5, 1941. Class 6.

391,283. MEN'S AND YOUTHS' SUITS CONSISTING OF COATS, VESTS, AND TROUSERS. THE JOSEPH & FEISS COMPANY, Cleveland, Ohio.
Filed June 3, 1941. Serial No. 444,150. PUBLISHED AUGUST 19, 1941. Class 39.

391,284. ROAD TAR. OLD COLONY TAR COMPANY, INC., Sparta, N. J.
Filed June 3, 1941. Serial No. 444,158. PUBLISHED AUGUST 12, 1941. Class 12.

391,285. WIRE FENCING. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed June 3, 1941. Serial No. 444,159. PUBLISHED AUGUST 19, 1941. Class 13.

391,286. WIRE FENCING. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed June 3, 1941. Serial No. 444,160. PUBLISHED AUGUST 19, 1941. Class 13.

391,287. FUR COATS. ATHENSON & PASSIN, INC., New York, N. Y.
Filed June 4, 1941. Serial No. 444,171. PUBLISHED AUGUST 12, 1941. Class 39.

391,288. MASONRY MORTAR. THE M. J. GROVE LIME COMPANY OF FREDERICK COUNTY, Lime Kiln, Md.
Filed June 4, 1941. Serial No. 444,181. PUBLISHED AUGUST 12, 1941. Class 12.

391,289. DIPENTAERYTHRITOL. HEYDEN CHEMICAL CORPORATION, New York, N. Y.
Filed June 4, 1941. Serial No. 444,183. PUBLISHED AUGUST 19, 1941. Class 6.

391,290. PENTAERYTHRITOL. HEYDEN CHEMICAL CORPORATION, New York, N. Y.
Filed June 4, 1941. Serial No. 444,184. PUBLISHED AUGUST 19, 1941. Class 6.

391,291. LADIES' SLIPS. LEONA UNDERGARMENT CO., INC., New York, N. Y.
Filed June 4, 1941. Serial No. 444,188. PUBLISHED AUGUST 12, 1941. Class 39.

391,292. MEDICINAL PREPARATION TO BE USED IN IRON AND VITAMIN B COMPLEX DEFICIENCY. LYLE WAYNE MILLS, doing business as Hill's Laboratories, Silver Spring, Md.
Filed June 4, 1941. Serial No. 444,196. PUBLISHED AUGUST 12, 1941. Class 6.

391,293. MEDICINE TO BE TAKEN INTERNALLY FOR USE AS AN ANTI-ACID IN THE TREATMENT OF GASTRO-INTESTINAL DISTURBANCES AND HYPER-ACIDITY. VAN PELT & BROWN, INC., Richmond, Va.
Filed June 4, 1941. Serial No. 444,209. PUBLISHED AUGUST 12, 1941. Class 6.

391,294. PLASTIC COMPOUND FOR CAULKING, GLAZING, AND SEALING. JOHN A. BECKER, doing business as Gumputtie Laboratories, Chicago, Ill.
Filed June 5, 1941. Serial No. 444,212. PUBLISHED AUGUST 12, 1941. Class 12.

391,295. POWDER FOR USE AS A WASHING PREPARATION. JACK HACKMAN, doing business as National Cleaning Products Company, Columbus, Ohio.
Filed June 5, 1941. Serial No. 444,220. PUBLISHED AUGUST 19, 1941. Class 4.

391,296. PHARMACEUTICAL PREPARATIONS USED IN THE TREATMENT OF AND TO AVOID METABOLIC DEFICIENCIES, INCLUDING PREPARATIONS CONTAINING VITAMINS, AND PARTICULARLY VITAMIN B_1. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed June 5, 1941. Serial No. 444,231. PUBLISHED AUGUST 12, 1941. Class 6.

391,297. PHARMACEUTICAL PREPARATIONS USED IN THE TREATMENT OF AND TO AVOID METABOLIC DEFICIENCIES, INCLUDING PREPARATIONS CONTAINING VITAMINS, INCLUDING PREPARATIONS CONTAINING VITAMIN C. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed June 5, 1941. Serial No. 444,232. PUBLISHED AUGUST 12, 1941. Class 6.

391,298. PREPARATIONS FOR FACILITATING THE INTER-ACTION OF BLOOD CONSTITUENTS, ETC. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed June 5, 1941. Serial No. 444,233. PUBLISHED AUGUST 12, 1941. Class 6.

391,299. CUT FLOWERS. UNITED CUT FLOWER CO. INC., New York, N. Y.
Filed June 5, 1941. Serial No. 444,243. PUBLISHED AUGUST 12, 1941. Class 1.

391,300. CORK ROLL COVERS FOR TEXTILE MILL USAGE. ARMSTRONG CORK COMPANY, Lancaster, Pa.
Filed June 6, 1941. Serial No. 444,247. PUBLISHED AUGUST 19, 1941. Class 23.

391,301. LADIES' AND MISSES' DRESSES, BLOUSES, SWEATERS, SKIRTS, JACKETS, COATS, AND KNITTED SKIRTS, SWEATERS, AND JACKETS. LAMPL KNITWEAR COMPANY, Cleveland, Ohio.
Filed June 6, 1941. Serial No. 444,264. PUBLISHED AUGUST 12, 1941. Class 39.

391,302. FIRE EXTINGUISHING COMPOUNDS. NATIONAL POWDER EXTINGUISHER CORPORATION, Jersey City, N. J.
Filed June 6, 1941. Serial No. 444,273. PUBLISHED AUGUST 12, 1941. Class 6.

391,303. MOUTH WASH. THE S. S. WHITE DENTAL MANUFACTURING COMPANY, Philadelphia, Pa.
Filed June 6, 1941. Serial No. 444,292. PUBLISHED AUGUST 19, 1941. Class 6.

391,304. ENVELOPES. COHOES ENVELOPE CO. INC., Cohoes and New York, N. Y.
Filed June 7, 1941. Serial No. 444,298. PUBLISHED AUGUST 19, 1941. Class 37.

391,305. ASBESTOS-CEMENT WALL BOARD. THE RUBEROID CO., Bound Brook, N. J., and New York, N. Y.
Filed June 7, 1941. Serial No. 444,309. PUBLISHED AUGUST 12, 1941. Class 12.

391,306. ASPHALT SHINGLES. THE RUBEROID CO., Bound Brook, N. J., and New York, N. Y.
Filed June 7, 1941. Serial No. 444,312. PUBLISHED AUGUST 12, 1941. Class 12.

391,307. PERFUMES AND TOILET WATERS. ELIZABETH ARDEN SALES CORPORATION, New York, N. Y.
Filed June 9, 1941. Serial No. 444,319. PUBLISHED AUGUST 19, 1941. Class 6.

391,308. FORTIFIED WHEAT GERM OIL. GENERAL MILLS, INC., Minneapolis, Minn.
Filed June 9, 1941. Serial No. 444,335. PUBLISHED AUGUST 19, 1941. Class 6.

391,309. FORTIFIED WHEAT GERM OIL. GENERAL MILLS, INC., Minneapolis, Minn.
Filed June 9, 1941. Serial No. 444,336. PUBLISHED AUGUST 19, 1941. Class 6.

391,310. CARVED WOOD AND PLASTIC ACCESSORIES—COMPRISED NAMELY, OF WALL BRACKETS, PLANT STANDS, BOOK ENDS, LAMP BASES, AND TABLES. A. SIMKINS & Co., New York, N. Y.
Filed June 9, 1941. Serial No. 444,358. PUBLISHED AUGUST 19, 1941. Class 32.

391,311. PHARMACEUTICAL PREPARATION FOR OCCASIONAL CONSTIPATION. COLE CHEMICAL COMPANY, Wilmington, Del., and St. Louis, Mo.
Filed July 5, 1941. Serial No. 445,084. PUBLISHED AUGUST 19, 1941. Class 6.

391,312. HAIR LOTIONS—NAMELY, PERMANENT WAVING SOLUTIONS. GILDA AUDREY PRODUCTS, INC., New York, N. Y.
Filed July 5, 1941. Serial No. 445,092. PUBLISHED AUGUST 19, 1941. Class 6.

391,313. PISTON RINGS. GERALD M. M. GRANT, Los Angeles, Calif.
Filed July 7, 1941. Serial No. 445,153. PUBLISHED AUGUST 19, 1941. Class 35.

391,314. BOARD GAME. MILTON BRADLEY COMPANY, Springfield, Mass.
Filed July 8, 1941. Serial No. 445,168. PUBLISHED AUGUST 19, 1941. Class 22.

391,315. OINTMENT BASE. ABBOTT LABORATORIES, North Chicago, Ill.
Filed July 9, 1941. Serial No. 445,190. PUBLISHED AUGUST 19, 1941. Class 6.

391,316. INJECTABLE SOLUTION OF VITAMIN B COMPLEX COMPONENTS. ABBOTT LABORATORIES, North Chicago, Ill.
Filed July 9, 1941. Serial No. 445,188. PUBLISHED AUGUST 19, 1941. Class 6.

391,317. BILLFOLDS, KEYCASES, BRIEF CASES, LADIES' HANDBAGS, POCKETBOOKS, PORTFOLIOS, PURSES, WALLETS, RIDING WHIPS, QUIRTS, SADDLES, BRIDLES, HARNESS, AND LARIATS, ALL MADE OF COWHIDE OR LEATHER. TEXAS TANNING & MANUFACTURING COMPANY, Yoakum, Tex.
Filed July 11, 1941. Serial No. 445,279. PUBLISHED AUGUST 19, 1941. Class 3.

391,318. WOMEN'S HANDBAGS AND PURSES. STIX, BAER AND FULLER COMPANY, St. Louis, Mo.
Filed July 12, 1941. Serial No. 445,304. PUBLISHED AUGUST 19, 1941. Class 3.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

391,319. (CLASS 39. CLOTHING.) BELLE KNITTING CORP., New York, N. Y., assignor to S. H. Kress and Company, New York, N. Y. Filed July 13, 1940. Serial No. 433,910.

Flawless

FOR LADIES' AND CHILDREN'S UNDERWEAR, SLIPS, PAJAMAS, AND NIGHTGOWNS.
Claims use since Mar. 21, 1940.

391,320. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) DORA H. HASSE, Cleveland, Ohio. Filed Aug. 13, 1940. Serial No. 434,933.

MOPRITE

FOR MOP PROTECTIVE COVERING.
Claims use since July 22, 1940.

391,321. (CLASS 39. CLOTHING.) BATES-THOMPSON, INC., New York, N. Y. Filed Aug. 19, 1940. Serial No. 435,113.

Conform Fit

FOR MEN'S FELT HATS.
Claims use since July 26, 1940.

391,322. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) RALPH C. COOLEY, Houston, Tex. Filed Aug. 26, 1940. Serial No. 435,387.

"KOOLAMP"

FOR ILLUMINATING AND TRANSILLUMINATING COMBINATION TONGUE DEPRESSORS AND CHEEK RETRACTORS.
Claims use since Aug. 5, 1940.

391,323. (CLASS 39. CLOTHING.) NELSON KNITTING COMPANY, Rockford, Ill. Filed Sept. 5, 1940. Serial No. 435,687.

THE SOCK AMERICA WEARS TO WORK

FOR HOSIERY.
Claims use since Aug. 9, 1940.

391,324. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) HOOD RUBBER COMPANY, INC., Wilmington, Del., and Watertown, Mass. Filed Sept. 6, 1940. Serial No. 435,720.

SANDAL SWADE

FOR TREATED WOVEN OR KNITTED FABRICS HAVING A SUEDE-LIKE SURFACE.
Claims use since Mar. 8, 1938.

391,325. (CLASS 39. CLOTHING.) C. B. SHANE CORPORATION, Chicago, Ill. Filed Sept. 13, 1940. Serial No. 435,959.

DOUBLE TOPPER

FOR MEN'S, BOYS', WOMEN'S, AND GIRLS' OVERCOATS AND TOPCOATS.
Claims use since Aug. 27, 1940.

391,326. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHAMPION ANIMAL FOOD COMPANY, Minneapolis, Minn. Filed Sept. 16, 1940. Serial No. 436,002.

Dog Snax

FOR DOG FOOD.
Claims use since Aug. 15, 1940.

391,327. (CLASS 39. CLOTHING.) BLOOMINGDALE BROS., INC., New York, N. Y. Filed Sept. 18, 1940. Serial No. 436,075.

Play-Warmer

FOR SUITS MADE OF WOOL FABRICS FOR MEN, WOMEN, AND CHILDREN.
Claims use since Aug. 2, 1940.

391,328. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HANSON ROBINSON, Wayne, Pa. Filed Oct. 18, 1940. Serial No. 437,076.

SĀF-TEE

FOR TOY WHISTLES.
Claims use since July 1, 1940.

391,329. (CLASS 39. CLOTHING.) HICKEY FREEMAN COMPANY, Rochester, N. Y. Filed Oct. 19, 1940. Serial No. 437,086.

INDIAWEIGHT

FOR MEN'S SUITS, TOPCOATS, AND OVERCOATS.
Claims use since Feb. 10, 1936.

391,330. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) JOHN R. EVANS & COMPANY, Camden, N. J. Filed Dec. 5, 1940. Serial No. 438,534.

VALENCIA

FOR KID LEATHERS.
Claims use since Aug. 29, 1940.

391,331. (CLASS 39. CLOTHING.) RALEIGH MANUFACTURERS INCORPORATED, New York, N. Y. Filed Dec. 14, 1940. Serial No. 438,852.



FOR MEN'S AND BOYS' SUITS, OVERCOATS, TOPCOATS, SPORTCOATS, AND MACKINAWS, NOT INCLUDING RUBBERIZED OR WATERPROOFED GARMENTS.
Claims use since June 1, 1940.

391,332. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RAYMOND BREWER, doing business as Better Products Company, Marion, Ind. Filed Dec. 24, 1940. Serial No. 439,153.

"BETTER-BRAND"

FOR ELECTRIC FUSES FOR BUILDINGS AND VEHICLES.
Claims use since Sept. 1, 1940.

391,333. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE LUFKIN RULE COMPANY, Saginaw, Mich. Filed Mar. 12, 1941. Serial No. 441,476.

CHROME FACE

FOR TAPE MEASURES.
Claims use since Jan. 11, 1940.

391,334. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ADOLF H. MORNER, New York, N. Y. Filed Mar. 21, 1941. Serial No. 441,780.

SNAPP

FOR SAFETY RAZORS AND RAZOR BLADES.
Claims use since Dec. 19, 1939.

391,335. (CLASS 39. CLOTHING.) TRIANGLE RAINCOAT CO., INC., New York, N. Y. Filed May 1, 1941. Serial No. 443,176.

Weatherbee

FOR MEN'S, WOMEN'S, AND CHILDREN'S RAINCOATS, REVERSIBLE COATS, AND SNOWSUITS.
Claims use since July, 1940.

391,336. (CLASS 39. CLOTHING.) THE WILLOW SHIRT AND UNDERWEAR CORPORATION, New Haven, Conn. Filed May 27, 1941. Serial No. 443,991.

De Haven

FOR MEN'S OUTER SHIRTS AND PAJAMAS.
Claims use since Apr. 30, 1939.

391,337. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) PRO-PHY-LAC-TIC BRUSH COMPANY, Northampton, Mass. Filed May 31, 1941. Serial No. 444,094.

EVERLAST

FOR TOOTH BRUSHES.
Claims use since July 12, 1939.

391,338. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) LYONS BAND INSTRUMENT COMPANY, Chicago, Ill. Filed June 9, 1941. Serial No. 444,349.

Henri Leduc

FOR WOODWIND MUSICAL INSTRUMENTS—NAMELY, CLARINETS, OBOES, HORNS, AND BASSOONS.
Claims use since May 1, 1933.

391,339. (CLASS 39. CLOTHING.) GREEN-WAY MFG. CO., Dallas, Tex. Filed June 12, 1941. Serial No. 444,447.

STYLED THE Green Way

FOR CHILDREN'S SLACKS, SLACK SUITS, GOWNS, ROBES, AND PAJAMAS, AND LADIES' AND CHILDREN'S PANTIES.
Claims use since Aug. 29, 1939.

391,340. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) CALUMET WIRE CO., Chicago, Ill. Filed June 21, 1941. Serial No. 444,728.

OVALOID

FOR BOX STITCHING WIRE.
Claims use since Oct. 1, 1939.

391,341. (CLASS 39. CLOTHING.) MUTUAL BUYING SYNDICATE, INC., New York, N. Y. Filed June 24, 1941. Serial No. 444,797.

Celice Carol

FOR WOMEN'S, MISSES', AND CHILDREN'S CLOTH COATS, DRESSES, BLOUSES, SKIRTS, SWEATERS, SLACKS, JACKETS, PLAYSUITS, WOMEN'S AND MISSES' LINGERIE—NAMELY, UNDERWEAR, ROBES, NEGLIGEES, HOUSECOATS, CORSETS, BRASSIÈRES, SLIPS, MISSES' AND WOMEN'S BATHING SUITS.
Claims use since Jan. 15, 1939.

391,342. (CLASS 39, CLOTHING.) SCHLOSS BROS. & CO., INC., Baltimore, Md. Filed June 27, 1941. Serial No. 444,917.

Sheerwave

FOR MEN'S AND YOUNG MEN'S AND BOYS' SUITS, COATS, TROUSERS, SPORT COATS, SPORT JACKETS, SPORT TROUSERS, AND SPORT SLACKS, AND BOYS' KNEE PANTS.
Claims use since Aug. 26, 1940.

391,343. (CLASS 39. CLOTHING.) WIMELBACHER & RICE, New York, N. Y. Filed July 8, 1941. Serial No. 445,185.

American Glacé

FOR LADIES' LEATHER GLOVES.
Claims use since June 4, 1934.

391,344. (CLASS 39. CLOTHING.) PLYMOUTH WHOLESALE DRY GOODS CORPORATION, New York, N. Y. Filed July 10, 1941. Serial No. 445,242.

Grace Lee

FOR LADIES' AND MISSES' COATS, DRESSES, JACKETS, BLOUSES, GLOVES MADE OF LEATHER AND FABRIC OR COMBINATIONS THEREOF, CORSETS, BRASSIÈRES, HOSIERY, SUITS, RAINCOATS, FUR COATS, KNITTED COTTON, RAYON AND SILK UNDERWEAR, WASH DRESSES, SLIPS, AND HATS.
Claims use since Dec. 9, 1935.

391,345. (CLASS 39. CLOTHING.) B. W. MAYER, LTD., Poughkeepsie and New York, N. Y. Filed July 17, 1941. Serial No. 445,427.

Croydon

FOR NECKTIES, SCARFS, CRAVATS, REEFERS IN THE NATURE OF MUFFLERS, HANDKERCHIEFS AND HOSIERY.
Claims use since 1922 on neckties, scarfs, cravats, and reefers; and since 1937 on handkerchiefs; and since 1936 on hosiery.

391,346. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WALTER W. AMES, South Orange, N. J. Filed July 19, 1941. Serial No. 445,484.

W. W. AMES

FOR MEDICINAL OINTMENT FOR TREATMENT OF IRRITATIONS AND OTHER DERANGEMENTS OF THE SKIN.
Claims use since Mar. 15, 1930.

391,347. (CLASS 39. CLOTHING.) HARRY GLADSTONE, New York, N. Y. Filed July 23, 1941. Serial No. 445,575.



FOR LADIES' DRESSES.
Claims use since August, 1940.

391,348. (CLASS 39. CLOTHING). LEEDS LTD. COATS, INC., New York, N. Y. Filed July 29, 1941. Serial No. 445,739.

ALL-CLIMATE

FOR WOMEN'S, MISSES', AND JUNIORS' COATS, SUITS, JACKETS, CAPES, SKIRTS, COAT AND SUIT ENSEMBLES, AND SUIT AND CAPE ENSEMBLES.
Claims use since Apr. 15, 1940.

391,349. (CLASS 39. CLOTHING.) SAMUEL J. GOLDFARB, New York, N. Y. Filed Aug. 20, 1941. Serial No. 446,389.

Youth-A-Form

FOR LADIES' DRESSES AND APRONS.
Claims use since May 4, 1940.

391,350. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) MUTUAL BUYING SYNDICATE, INC., New York, N. Y. Filed August 26, 1941. Serial No. 446,550.

Celice Carol

FOR HANDBAGS.
Claims use since Jan. 15, 1939.

TRADE-MARK REGISTRATIONS RENEWED

20,339. **"O.K."**. INSULATED CONDUCTING-WIRES Registered November 10, 1891. PHILLIPS INSULATED WIRE Co., Pawtucket, R. I. Re-renewed November 10, 1941, to General Cable Corporation, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments.

144,698. **HARRY BERGER.** MEN'S AND BOYS' SHIRTS—NAMELY, DRESS, NEGLIGÉE, AND WORK SHIRTS. Registered July 19, 1921. HARRY BERGER. Renewed July 19, 1941, to Kaylon, Inc., New York, N. Y., a corporation of New York, assignee.

147,124. **HENNAFOAM.** A LIQUID SHAMPOO. Registered October 4, 1921. LA FRANCE LABORATORIES INC. Renewed October 4, 1941, to Alfred S. Horowitz, New York, N. Y., successor.

147,412. **BILLY BENEDICK.** A NOM DE PLUME USED ON NEWSPAPER ARTICLES. Registered October 11, 1921. STAR COMPANY. Renewed October 11, 1941, to American Newspapers, Inc., New York, N. Y., a corporation of Delaware, successor.

147,600. **GALLET.** WATCHES AND THEIR PARTS. Registered October 25, 1921. FABRIQUE D'HORLOGERIE ELECTA GALLET & Co. S. A. Renewed October 25, 1941, to Gallet et Co., La Chaux de Fonds, Switzerland, a commandite of Switzerland, assignee.

148,819. **DU PONT.** DYESTUFFS. Registered November 29, 1921. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del., a corporation of Delaware. Renewed November 29, 1941.

149,862. **PREMO.** MIXED AND DRY PAINT, STAINS, VARNISHES, PAINT ENAMELS, COLORS IN OIL, COLORS IN JAPAN, COLORS IN DISTEMPER, BRONZING LIQUIDS. Registered December 27, 1921. CALIFORNIA PAINT COMPANY, Oakland, Calif. Renewed December 27, 1941, to General Paint Corporation, San Francisco, Calif., a corporation of Nevada, assignee.

149,863. **AVERILL.** MIXED AND DRY PAINT, STAINS, VARNISHES, PAINT ENAMELS, COLORS IN OIL, COLORS IN JAPAN, COLORS IN DISTEMPER, BRONZING LIQUIDS. Registered December 27, 1921. CALIFORNIA PAINT COMPANY, Oakland, Calif. Renewed December 27, 1941, to General Paint Corporation, San Francisco, Calif., a corporation of Nevada, assignee.

150,277. **DIABLO.** CERTAIN NAMED PAINTS, VARNISHES, AND COLORS. Registered January 3, 1922. CALIFORNIA PAINT COMPANY, Oakland, Calif. Renewed January 3, 1942, to General Paint Corporation, San Francisco, Calif., a corporation of Nevada, assignee.

150,320. **"ZIP".** HAND SOAP. Registered January 3, 1922. H. GEO. DAHL, Oakland, Calif. Renewed January 3, 1942.

150,361. **FLOOD'S OINTMENT.** AN OINTMENT HAVING MEDICINAL PROPERTIES. Registered January 3, 1922. DANIEL A. FLOOD. Renewed January 3, 1942, to Jean German and Myrtle Flood Mitchell, Okmulgee, Okla., a partnership, successor.

150,413. **PHENO-SULPHO.** AN OINTMENT FOR EXTERNAL USE INDICATED IN THE TREATMENT OF ECZEMA, RINGWORM, RASH, BOILS, INSECT BITES, POISON IVY, AND SIMILAR AILMENTS. Registered January 3, 1922. HUDSON & COMPANY, New York, N. Y. Renewed January 3, 1942, to C. M. Hudson, doing business as Hudson & Co., Pocomoke City, Md., successor.

151,443. **CARTIER.** WATCHES AND CLOCKS. Registered February 7, 1922. CARTIER, INC., New York, N. Y., a corporation of New York. Renewed February 7, 1942.

151,593. **PROBILIN.** MEDICINAL PREPARATION FOR THE TREATMENT OF GALLSTONES. Registered February 7, 1922. SCHERING & GLATZ, INC. Renewed February 7, 1942, to Schering & Glatz, Inc., New York, N. Y., a corporation of New Jersey, assignee.

152,280. **SWEENEY'S POISON WHEAT.** RAT, MOUSE, MOLE, AND GOPHER POISON. Registered February 21, 1922. WILLIAM R. SWEENEY. Renewed February 21, 1942, to W. R. Sweeney, Mfgr., Salisbury, Mo., a partnership, assignee.

152,506. **CHAMPION.** MACHINES FOR MAKING ENVELOPES. Registered February 28, 1922. F. L. SMITHE MACHINE COMPANY, INCORPORATED, New York, N. Y., a corporation of New York. Renewed February 28, 1942.

152,670. **HEXEON CYCOL.** LUBRICATING OILS AND GREASES. Registered March 7, 1922. ASSOCIATED OIL COMPANY. Renewed March 7, 1942, to Tide Water Associated Oil Company, San Francisco, Calif., a corporation of Delaware, assignee.

152,837. **HOSTESS.** SILVER-PLATED FLAT AND HOLLOW TABLEWARE. Registered March 7, 1922. INTERNATIONAL SILVER COMPANY, Meriden and Bridgeport, Conn. Renewed March 7, 1942, to International Silver Company, Meriden, Conn., a corporation of New Jersey.

152,860. **JOHN RUSKIN.** CIGARS. Registered March 7, 1922. I. LEWIS CIGAR MANUFACTURING CO., Newark, N. J., a corporation of New Jersey. Renewed March 7, 1942.

152,980. **THE HOLLYWOOD.** HAIR NETS. Registered March 7, 1922. SAMSTAG & HILDER BROS. Renewed March 7, 1942, to The Glemby Company, Inc., New York, N. Y., a corporation of Delaware, assignee.

153,114. **TARGET.** TWIST, PLUG, AND SMOKING TOBACCO. Registered March 14, 1922. BARLOW-MOORE TOBACCO COMPANY, Glasgow, Ky. Renewed March 14, 1942, to Brown & Williamson Tobacco Corporation, Louisville, Ky., a corporation of Delaware, assignee.

153,240. **ANNIVERSARY.** PEARLS. Registered March 14, 1922. MAYBAUM BROTHERS INCORPORATED, New York, N. Y., a corporation of New York. Renewed March 14, 1942.

153,262. **NICOLENE.** LUBRICATING OILS AND GREASES, GASOLINE, KEROSENE, AND CRUDE PETROLEUM OILS. Registered March 14, 1922. NATIONAL INDEPENDENT OIL COMPANY, INC., York, Pa., a corporation of Delaware. Renewed March 14, 1942.

153,281. **EMPECO.** SEWING THREADS. Registered March 14, 1922. MAX POLLACK & CO., INC., New York, N. Y., a corporation of New York. Renewed March 14, 1942.

153,282. **"PINCO".** ELECTRIC INSULATORS MADE OF PORCELAIN. Registered March 14, 1922. THE PORCELAIN INSULATOR CORPORATION, Lima, N. Y., a corporation of New York. Renewed March 14, 1942.

153,537. **SAFTEE.** SEALING TAPE. Registered March 21, 1922. STANDARD PAPER COMPANY, Bellows Falls, Vt., a corporation of Vermont. Renewed March 21, 1942.

REISSUES

OCTOBER 28, 1941

21,932
PROCESSES FOR CONVERTING HYDROCARBONS

Frederick E. Frey, Bartlesville, Okla., and Walter F. Huppke, Lomita, Calif., assignors to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware

No Drawing. Original No. 2,098,960, dated November 16, 1937, Serial No. 16,512, April 15, 1935, which is a division of Serial No. 723,608, May 2, 1934. Application for reissue August 25, 1941, Serial No. 408,238

7 Claims. (Cl. 260—676)

4. In a process for hydrogenating unsaturated hydrocarbons, the steps which comprise passing the said unsaturated hydrocarbons together with hydrogen at a hydrogenating temperature above 200° C. in contact with a vitreous gel catalyst comprising not less than five per cent of chromium oxide and at least five per cent of a difficultly reducible oxide of the group aluminum, zirconium, titanium, silicon, thorium, boron, and magnesium, the said oxides having been combined in a state of intimate association effected while the oxides are in a highly hydrous condition.

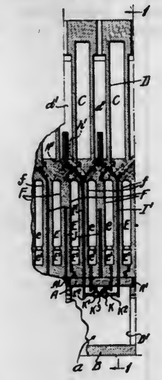
21,933
UNDERFIRED COKE OVEN

Carl Otto, New York, N. Y., assignor to Fuel Refining Corporation, Dover, Del., a corporation of Delaware

Original No. 2,216,983, dated October 8, 1940, Serial No. 212,084, June 6, 1938. Application for reissue December 11, 1940, Serial No. 369,683. In Germany October 16, 1937

47 Claims. (Cl. 202—142)

1. An underfired coke oven battery, comprising in combination, side by side horizontally elongated coking chambers, heating walls alternating with said coking chambers and having hairpin flues, a supporting wall beneath each heating wall, an intermediate wall between each two adjacent supporting walls, a regenerator between each intermediate wall and each adjacent

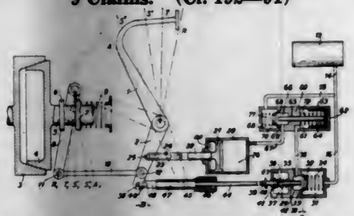


supporting wall, ducts connecting the two regenerators between each two adjacent supporting walls to one branch of each twin flue in each of the two heating walls above the last mentioned supporting walls, and means for supplying rich fuel gas to said flues comprising upwardly extending supply passages in each of said intermediate walls.

PATENTS

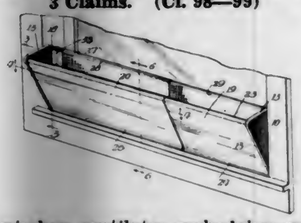
GRANTED OCTOBER 28, 1941

2,260,280
CLUTCH OPERATING DEVICE FOR MOTOR VEHICLES
Carl Böttner, Friedrichshafen, Germany, assignor to Maybach-Motorenbau G. m. b. H., Friedrichshafen, Germany
Application August 30, 1938, Serial No. 227,553
In Germany September 1, 1937
9 Claims. (Cl. 192—91)



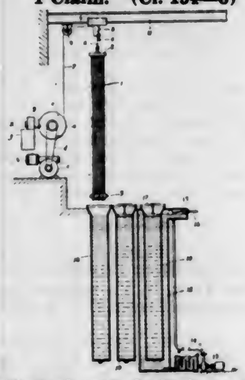
2. A clutch operating device comprising a servo motor for disengaging the clutch and control means therefor, direct mechanical means for operating the clutch by foot pressure, a common operating pedal positively connecting with the motor control means and said mechanical means, and lost motion means operative during a part of the complete movement of the clutch from disengagement to engagement for preventing actuation of the motor means and motor control means by the pedal and providing for manipulation of the clutch by the pedal through the mechanical means.

2,260,281
WINDOW VENTILATOR
Charles L. Casey, Chicago, Ill.
Application June 14, 1939, Serial No. 279,068
3 Claims. (Cl. 98—99)



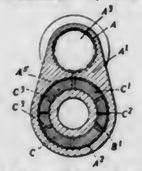
1. A window ventilator embodying end members, a guideway along the front edge of each of said end members, a body portion embodying overlapping sections slidably connected together, means at the outer ends of said overlapping members and slidable in said guides, a flange at the rear edge of the end members, a screen embodying overlapping reticulated members slidably connected together, a flange on each of the screen members contacting the outer face of the respective end members, the flange on the end members contacting the face of the screen member, a securing member connected to the screen member and overlapping the flange on the end member whereby the flange on the end member will be disposed between the screen member and the said securing member and a portion of the end member will be disposed in a space between the flange in the screen member and the adjacent edge of said securing member, and means for detachably securing said end members to a window frame.

2,260,282
PRODUCTION OF FLEXIBLE TUBES AND PIPES
William Horace Grint, Trading Estate, Slough, England
Application October 23, 1937, Serial No. 170,708
In Great Britain October 30, 1936
1 Claim. (Cl. 154—8)



The method of manufacturing a flexible elastic tube or hose capable of withstanding extremely high pressure and resistant to the action of gasoline, which consists of the steps of making a braided tubular former, coating the inside and outside of said former by repeated relative dipping actions with a polyvinyl alcohol resin, allowing the resin to dry between each dipping action, superimposing another braided former tightly on the outside of said partially formed tube, and applying further layers of said resin to the outside of said tube in the same manner until the desired strength and size are obtained.

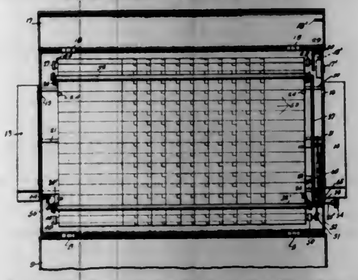
2,260,283
BALL AND SOCKET JOINT
Frank Bernard Halford, Edgware, and Benjamin William Barlow, London, England, assignors to D. Napier & Son Limited, London, England, a company of Great Britain
Application October 14, 1938, Serial No. 235,024
In Great Britain October 26, 1937
14 Claims. (Cl. 308—72)



1. A ball and socket joint comprising an annular one-piece socket having an annular part-spherical inner surface, an annular ball member

having an annular part-spherical outer surface, and a pin adapted for insertion into the bore of the ball member, the ball member comprising at least two separable parts whose abutting faces are parallel to the axis of the ball member, each ball part constituting a circumferential part of the annular outer surface of the ball, and the ball parts being arranged and dimensioned with reference to the socket so that one ball part can be inserted first into the socket whereupon the other part or parts can be inserted to form the complete ball member prior to insertion of the pin into the bore.

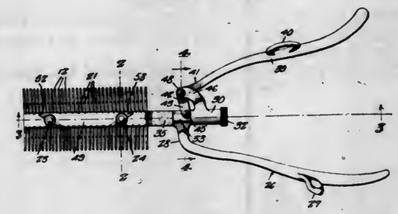
2,260,284
COIN CONTROLLED BOWLING SCOREBOARD
Lawrence F. Herlache, Sturgeon Bay, Wis.
Application October 8, 1938, Serial No. 234,044
10 Claims. (Cl. 242—55)



1. A scoreboard comprising a casing, a replaceable paper containing upper core in the upper part of the casing, a replaceable lower paper receiving core in the lower part of said casing, a roll of paper on the upper core and feeding downwardly onto said lower core and marked horizontally into score spaces, a vertical plate supported in the casing behind the paper and extending between the said cores and facilitating writing on the paper, means defining an opening in the front of said casing and exposing a major portion of the paper between the cores, said means having a horizontal edge at the upper part of the casing relative to which the paper is moved downwardly, upper and lower sets of spring pressed friction rollers adjacent the upper and lower cores, said friction rollers engaging opposite sides of the paper extending between the cores, coordinating means operatively connecting a certain one of each set of friction rollers to turn together the same amount, and manual means exposed at the side of the casing and operatively connected with said coordinating means and with one of said cores.

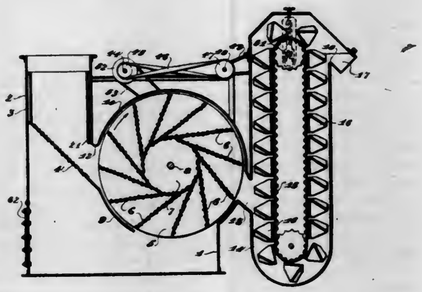
2,260,285
BARBER'S SHINGLING CLIPPER
Douglas Adams, Menard, Ill.
Application April 26, 1939, Serial No. 270,245
3 Claims. (Cl. 30—212)

1. In a hair clipper of the type having a lower blade formed with a plurality of spaced teeth projecting laterally from the sides thereof and an upper blade slidably mounted on the said lower blade and being formed with spaced laterally projecting teeth adapted to cooperate with the teeth of the said lower blade in the cutting of hair; means to reciprocally actuate the upper blade relative to the said lower blade comprising a handle member secured to the said lower blade, and having a tubular element formed thereon in alignment with the longitudinal axis of the said upper and lower blades, the end of the tubular element confronting the upper blade being provided with a closure wall; an actuating rod pivoted to the said upper blade; a handle member pivotally carried by the said first-mentioned handle member and having a part pivotally connected to the said actuating rod; a rearwardly extending headed shank screw-threadedly carried by the said actuating rod and extending



through the closure wall and into the tubular element of the said first-mentioned handle member; and spring means positioned within the tubular element intermediate the closure wall and the head of the shank, said spring means coacting with the said shank to hold same normally fully retracted therein, the said shank being adjustable to vary the tension of the said spring means to regulate the ease with which the handle member may actuate the said upper blade.

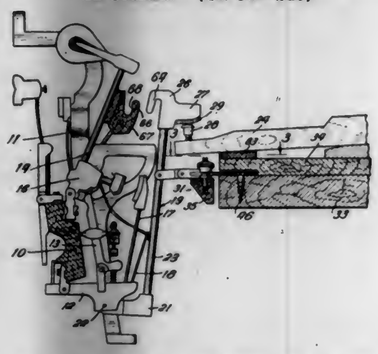
2,260,286
APPARATUS FOR TREATING VEGETABLES WITH HOT WATER AND STEAM
Edwin Allan, Spencerport, N. Y.
Application October 29, 1937, Serial No. 171,672
25 Claims. (Cl. 146—47)



1. An apparatus for treating vegetables in bulk which consists of a hopper for receiving the vegetables, which hopper contains boiling water, a housing, a drum rotating in said housing, means for rotating the drum, said drum containing V-shaped pockets adapted to rotate up toward the hopper and receive the vegetables from the hopper under water and lift them out of the water, the pockets and their vegetable contents being raised above the water and being subjected to steam under pressure above the atmosphere, water seals in said housing on each side of the drum, said seals and housing being adapted to hold steam under pressure in the upper part of the drum, the pockets and their vegetable contents being submerged in boiling water there-

after on the further rotation of the drum, the vegetable contents of the pockets being discharged from the pockets under water, elevator cups adapted to receive the contents of the pockets under the boiling water, said cups being adapted to lift the vegetables out of the water and discharge them from the apparatus.

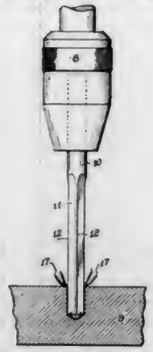
2,260,287
PIANO ACTION
William G. Betz, Chicago, Ill., assignor to Pratt, Read & Company, Ivoryton, Conn., a corporation of Connecticut
Application November 15, 1940, Serial No. 365,789
11 Claims. (Cl. 84—240)



1. In a piano having keys and supporting means for the keys and an action including frame means for supporting the action in the piano and a whip pivotally supported on said frame means, the combination of an abstract with a body portion entirely rearwardly of the rear end of a corresponding key and a portion at one end overhanging the rear end of such corresponding key for operative connection therewith, means axially connecting the other end of said abstract to said whip, and transverse means operatively connected with the abstract intermediate the other end and said overhanging portion thereof and extending forwardly from said abstract body for mounting on the key supporting means entirely independent of the action frame means and entirely below the level of the keys, said transverse means including guide means thereon individual to said abstract and operatively connected therewith intermediate the top and bottom of said abstract to guide the abstract in the normal playing movement thereof, means removably securing said transverse means to said key supporting means with said transverse means being removable from said key supporting means while the abstract and whip connection is maintained and likewise remaining operatively connected with said abstract and adapted to be transportable in such condition with said action frame means to provide said action and said transverse means as a single interconnected transportable unit.

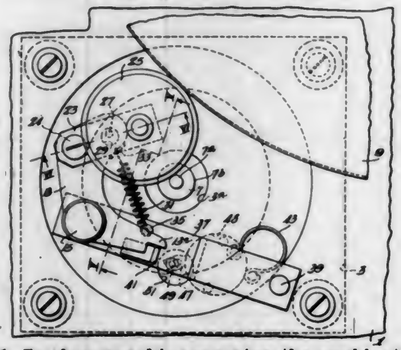
2,260,288
DRILL FOR PENETRATING HARD METALS
Lester G. Black, Cleveland, Ohio
Application December 7, 1940, Serial No. 369,107
9 Claims. (Cl. 77—67)

1. A drill of the type described, comprising in combination, a shank portion receivable by a holder, a body portion having a non-circular cross-section integral with the shank portion, and an end portion having a plurality of recessive facets thereon integral with the body portion,



the said facets forming frictional contact with the work to be drilled.

2,260,289
PHONOGRAPHIC APPARATUS
Raymond F. Brady, Merchantville, and Paul Weathers, Audubon, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application March 7, 1939, Serial No. 260,282
9 Claims. (Cl. 74—190)

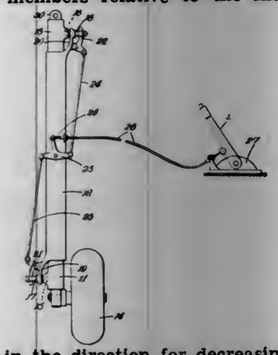


1. In phonographic apparatus, the combination of a motor having a driving shaft provided with portions of different diameters, a turntable, and a friction wheel adapted to transfer torque from said shaft to said turntable, said friction wheel being mounted for movement into engagement with the periphery of said turntable and any one of said shaft portions at will whereby to drive said turntable at any preselected one of a plurality of speeds.

2,260,290
UNDERCARRIAGE FOR AIRCRAFT
Reginald Alfred Charles Brie, Strawberry Hill, Twickenham, England
Application February 23, 1937, Serial No. 127,253
In Great Britain February 25, 1936
3 Claims. (Cl. 244—102)

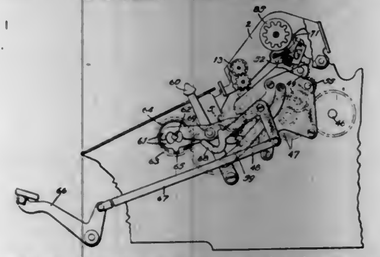
1. A non-retractile resiliently compressible aircraft undercarriage including three relatively movable members, such as telescopically engaging strut elements, consisting of two end members and an intermediate member, a wheel attached to one of the end members and mounting

means on the other end member for attachment to the aircraft body, independent means for locking the intermediate member to each of the end members in the positions limiting movement of the end members relative to the intermediate



member in the direction for decreasing the undercarriage height, a pilot's control and positive connections therefrom to both of the independent locking means, enabling both of said locking means to be engaged or released simultaneously.

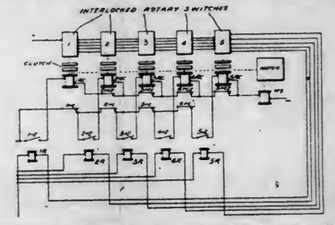
2,260,291
CALCULATING MACHINE
Edwin F. Britten, Jr., Short Hills, N. J., assignor to Monroe Calculating Machine Company, Orange, N. J., a corporation of Delaware
Application June 14, 1940, Serial No. 340,481
3 Claims. (Cl. 235—79)



1. In a calculating machine having a multiplier-quotient register and driving means therefor including reversing gearing; control means for said reversing gearing including a manually adjustable change lever, means for holding said lever yieldably in either of two direction controlling positions or in a neutral position, and means operable upon operation of the machine to set said lever from neutral position alternatively into one or the other of its controlling positions said means being inoperative to move the lever from a controlling position.

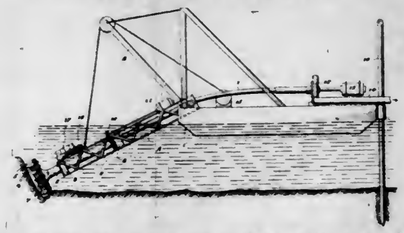
2,260,292
RAILWAY SIGNALING SYSTEM
Andrew Brown and Thomas Alfred Marshall, London, England, assignors to International Standard Electric Corporation, New York, N. Y.
Application October 25, 1939, Serial No. 301,308
In Great Britain October 7, 1938
2 Claims. (Cl. 246—134)

1. In railway routing control equipment having a manual means for selecting a route, a plurality of multi-position switches of which any one can be set to a position distinctive of the said selected route, an electromagnetically operated clutch for each multi-position switch drive means, means for selectively operating said multi-position switches comprising clutch magnets selectively energised in response to the setting of the manual selecting means for operating a corresponding one of said clutches for coupling one of said switches to said driven means to drive the said multi-position switch to the route-distinctive position, a common pair of feed lines across which



said clutch magnets are arranged in parallel, the connections to one line being in reverse order to the connections to the other with respect to a feed terminal at one end of each line for the clutch magnets, and two pairs of normally-closed contacts which are opened when the respective clutch magnet is energised, connected one in each feed line between the junction to the feed line of the said magnet and the junction to the feed line of the next magnet away from the feed terminal.

2,260,293
HYDRAULIC SUCTION DREDGE
Jesse J. Brown, Syracuse, N. Y.
Application May 22, 1940, Serial No. 336,659
13 Claims. (Cl. 37—57)

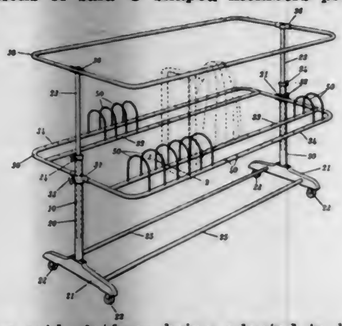


1. A hydraulic suction dredge with a spud at one end, a suction ladder extending diagonally downward and outward, pivotally mounted at its other end, and a power-driven tractor-wheel equipped with radially projecting teeth mounted at and borne by, the outer end of the ladder for swinging the dredge from side to side with the spud as a pivot as the tractor-wheel is caused to roll over the material to be dredged.

2,260,294
DISPLAY RACK
Simon P. Brown, New York, N. Y.
Application July 15, 1939, Serial No. 284,605
4 Claims. (Cl. 211—44)

1. In a floor display rack of the character described, the combination of a platform comprising horizontally disposed parallel longitudinal rods, each of said rods being provided with openings along the length thereof, the openings in one rod corresponding to the openings in the other of said rods, a support for said platform, a plurality of inverted U shaped members having their free ends selectively and removably

received in pairs of corresponding openings, the portions of said U shaped members projecting



above said platform being adapted to be individually received within said piece goods bolts.

2,260,295

PLASTICIZER AND PLASTIC COMPOSITION

Thomas F. Carruthers, South Charleston, and Charles M. Blair, Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation, a corporation of New York

No Drawing. Application August 24, 1938, Serial No. 226,482

5 Claims. (Cl. 260—36)

1. A plastic composition comprising an ester of a lower aliphatic monohydroxy acid esterified with an unsubstituted dicarboxylic acid intimately associated with a vinyl resin.

2,260,296

ELECTRICAL FILTER

Arthur J. Christopher, Teaneck, and Farrand W. Webb, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application September 29, 1939, Serial No. 297,072

5 Claims. (Cl. 178—44)



1. A filter comprising a coiled conductor wound upon a permalloy core to form an inductance element and a second conductor coiled in parallel with a continuation of said first conductor to form a capacity element which encircles the inductance element, the conductors and turns being separated by insulation.

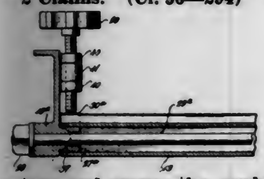
2,260,297

MOWER

Richard D. Clemson, Middletown, N. Y., assignor to Clemson Bros., Inc., Middletown, N. Y., a corporation of New York

Application February 14, 1939, Serial No. 256,377

2 Claims. (Cl. 56—294)



1. In a rotary reel mower the combination of side frames having tapered projections, a hollow bed knife having a corresponding tapered recess adapted rotatably to fit said projection without lateral play, a rod extended through the frames and hollow bed knife coaxial with said projections and recesses, clamping means on the rod to hold the parts clamped together without play and means for adjusting the rotary position of the bed knife about its axis of mounting.

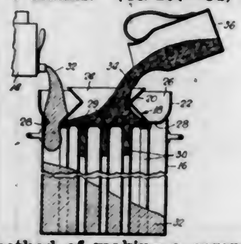
2,260,298

METHOD OF AND APPARATUS FOR MAKING VARIEGATED FROZEN EDIBLE PRODUCTS

Richard J. Cowling, Teaneck, N. J., assignor to Joe Lowe Corporation, New York, N. Y., a corporation of Delaware

Application October 5, 1939, Serial No. 297,996

9 Claims. (Cl. 107—54)



1. The method of making a composite frozen product which comprises filling a mold having a plurality of core members positioned therein in spaced relation over substantially the cross-sectional area thereof with a basic edible substance, filling said core members with an edible flavoring material, and then removing said core members from the basic substance whereby the apertures thus formed therein are filled simultaneously with the flavoring material within said core members.

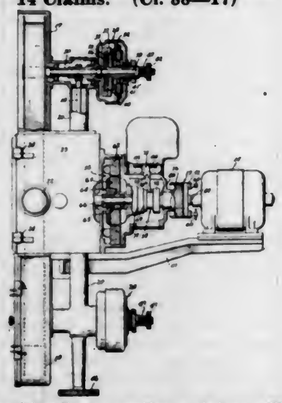
2,260,299

MOTION PICTURE PROJECTOR AND CONTROL SYSTEM THEREFOR

Harry G. Cunningham, Hollywood, and John M. Willson, Burbank, Calif., assignors to Radio Keith Orpheum Corporation, a corporation of Maryland

Application January 30, 1939, Serial No. 253,612

14 Claims. (Cl. 88—17)



1. In combination, motion picture film feed mechanism, driving means for rotating said mechanism in a certain direction, independent driving means for rotating said mechanism in said certain direction and in a reverse direction, means for simultaneously disconnecting one of said driving means from said mechanism when the other of said driving means is connected thereto, said means reconnecting each of said disconnected driving means in the same angular relationship as existed during said first connection, and means for controlling the direction of rotation of said independent driving means and the speed of rotation thereof in any selected direction.

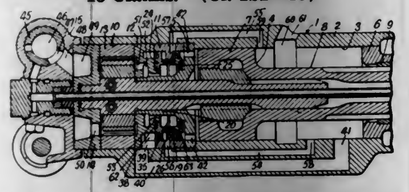
2,260,300

PRESSURE FLUID MOTOR

John C. Curtis and Charles F. Osgood, Claremont, N. H., assignors to Sullivan Machinery Company, a corporation of Massachusetts

Application November 1, 1940, Serial No. 363,925

15 Claims. (Cl. 121—19)



1. In combination, in a motor, a cylinder, a piston reciprocable in said cylinder, and fluid distribution means for the motor including means providing a valve chest, fluid distributing passages leading from said valve chest to the opposite ends of said cylinder, a pair of fluid distributing valves arranged within said valve chest and an intermediate sleevelike member separating said valves and adapted to abut the latter in certain positions thereof, said valves being movable relative to each other and said sleevelike member, and said valves and sleevelike member being movable relative to the valve chest, said valves and sleevelike member cooperating with the valve chest in one position of said valves to provide internally of said valves and sleevelike member a chamber sealed from communication with said cylinder through said passages, and means for delivering motive fluid to said internal chamber for distribution therefrom under the control of said valves through said passages to the opposite ends of said cylinder.

2,260,301

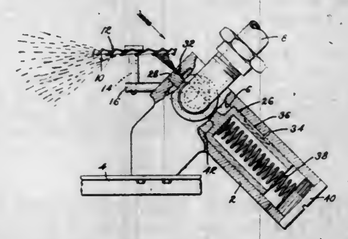
FLUID DELIVERY DEVICE

Lee Harold Cushman, Hamilton, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application December 29, 1939, Serial No. 311,628

2 Claims. (Cl. 299—59)

2. In a fluid-delivery device, a casing having therein a chamber to receive fluid under pressure and provided with an orifice through which fluid is delivered from said chamber, a plunger movable in said casing in engagement with the side walls thereof and provided with a pin arranged to extend from said chamber outwardly into said orifice in contact with the wall of the orifice during the normal delivery of the fluid, said pin and the wall of the orifice having slots registering with each other to provide a restricted passage for the fluid at one side only of the pin when the pin is thus located in the orifice, and a spring for holding the plunger in its normal position, the plunger being movable against the resistance of said spring in the direction to withdraw the pin inwardly from the orifice in response to increase



in the pressure of the fluid in said chamber in the event of an obstruction to the normal delivery of fluid through said passage.

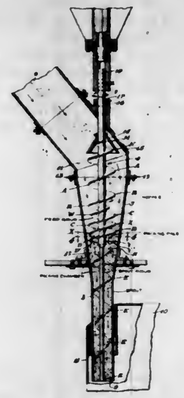
2,260,302

MEANS FOR FILLING AND PACKING

John H. Driscoll, Edgewater, N. J., and Richard J. Driscoll, White Plains, N. Y.

Application November 10, 1937, Serial No. 173,894

9 Claims. (Cl. 226—48)



1. A machine for packing and filling granular material into a container, comprising in combination a conically shaped chamber having a wall so arranged that its diameter decreases toward the base thereof; an auger extending along the axis of said chamber, the clearance between the wall of said chamber and the auger gradually decreasing toward the base; means for rotating the auger in a direction opposite to that in which the vane descends; means for creating a steady flow of material into the top of said chamber, the rotation of the auger and the said decreasing clearance forcing said material into said auger; said auger in its rotation compressing the material toward the base of said chamber; and means for removing said material from the base of said chamber, the pitch of the said auger decreasing toward the base of said chamber, and said auger having an additional vane interpolated between the spirals of its main vane in that portion of the auger immediately above the base of said chamber, said decreased pitch and interpolated vane assisting in further compression of the material.

2,260,303
OIL ADDITION AGENTS
Ernest Frederic Engelke, Merchantville, N. J., assignor to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania
No Drawing. Application May 8, 1939, Serial No. 272,489
11 Claims. (Cl. 252—48)

1. A lubricant comprising a hydrocarbon oil and a condensation product of an organic phosphine formed in the presence of sulfur and containing at least two organic phosphine radicals in the molecule.

2,260,304
SYNTHETIC OIL ADDITION AGENTS
Ernest F. Engelke, Merchantville, N. J., assignor to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania
No Drawing. Application September 15, 1939, Serial No. 295,037
11 Claims. (Cl. 252—48)

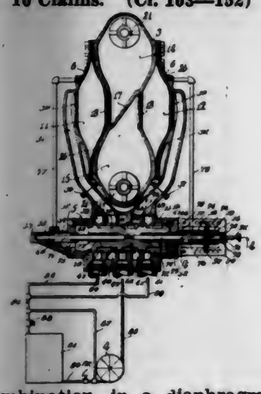
1. A composition of matter comprising a lubricating oil containing a relatively small proportion of a nitrogen-free organic chlorophosphine oxide in which chlorine is directly attached to phosphorus.

2,260,305
PHOSPHORUS COMPOUNDS
Ernest F. Engelke, Merchantville, N. J., assignor to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania
No Drawing. Original application May 8, 1939, Serial No. 272,489. Divided and this application January 19, 1940, Serial No. 314,605
12 Claims. (Cl. 260—125)

1. A condensation product of organic phosphine groups with sulfur.

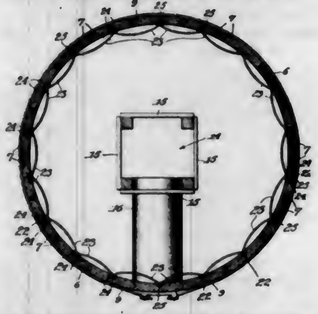
3. The method of manufacturing a phosphorus and sulfur-containing agent for addition to oily compositions, which comprises mixing sulfur with an organic phosphine in the desired proportions, heating the resulting mixture to a temperature of from 370° F. to 415° F., thereby condensing the phosphine in the presence of the sulfur and combining the sulfur in the resulting condensation product.

2,260,306
PUMP
Alexander D. Ferguson, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application April 16, 1938, Serial No. 202,374
10 Claims. (Cl. 103—152)



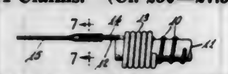
1. In combination, in a diaphragm pump, a chamber having a movable diaphragm dividing its interior into pump and motor spaces, means for supplying and exhausting motive fluid relative to said motor space including a pressure fluid actuated valve, and a controlling passage for said valve connected with said motor space at a point covered by said diaphragm when said valve assumes the position for admission to said motor space.

2,260,307
HAY SILO
Robert G. Ferris, Harvard, Ill., assignor to Starline, Inc., Harvard, Ill., a corporation of Illinois
Application January 26, 1939, Serial No. 253,018
10 Claims. (Cl. 98—54)



1. A silo comprising a main surrounding wall structure having recesses in its inner surfaces, apertured liner sections for said wall and spaced therefrom, said sections extending at their opposite edge portions into said recesses, and members in said recesses located between adjacent ones of said edge portions for holding said edge portions in said recesses.

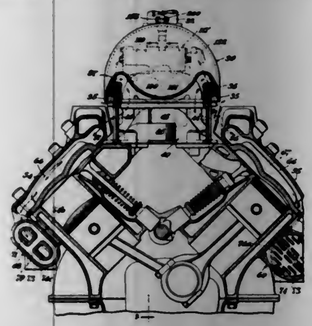
2,260,308
IMPROVED HEATER STRUCTURE FOR THERMIONIC DEVICES
Robert H. Fidler, North Arlington, N. J., assignor to Tung-Sol Lamp Works Inc., Newark, N. J., a corporation of Delaware
Application October 4, 1939, Serial No. 297,805
11 Claims. (Cl. 250—27.5)



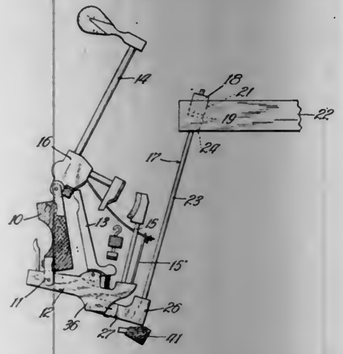
1. In a thermionic device, a cathode heater element comprising a supporting core including a coil filamentary heater mounted on said core, reinforcing metallic and electrical terminal elements telescopically mounted on the end coils of said filament and core and extending therebeyond to serve as supporting terminals therefor and means mechanically and electrically connecting the filament terminals and the reinforcing elements with the thermionic structure.

2,260,309
CHARGE FORMING DEVICE
Otis C. Funderburk, Weston, Mass., assignor, by mesne assignments, to Kane Carburetor Corporation of Delaware, Wilmington, Del., a corporation of Delaware
Application August 30, 1939, Serial No. 292,581
12 Claims. (Cl. 123—122)

1. In an internal combustion engine, an air and fuel mixing chamber, an intake manifold casing containing conduit means extending along the length thereof and communicating between said chamber and the intake valves of the engine, the casing having a peripheral wall surrounding said conduit means, a cover surmounting said wall and completely enclosing said chamber and forming an air reservoir with said wall extending substantially along the length of said conduit means, the said reservoir communicating with the atmosphere.

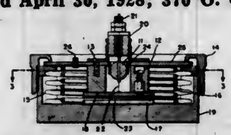


2,260,310
PIANO ACTION
James A. Gould, Ivoryton, Conn., assignor to Pratt, Read & Company, Ivoryton, Conn., a corporation of Connecticut
Application March 23, 1940, Serial No. 325,597
13 Claims. (Cl. 84—240)



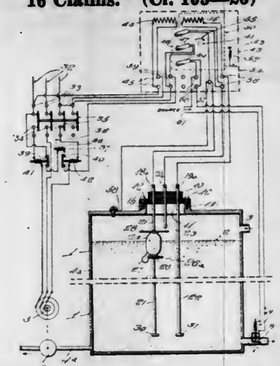
1. In an action for a low upright piano having a key and including a hammer, the combination of a whip member for actuating said hammer, said whip member having a groove formed therein, a pivot pin extending across said groove and supported in the walls of said groove, means for connecting said key and whip member including an abstract having a pivot member secured to the lower end thereof, said pivot member having a bifurcated projection with an aperture formed between the bifurcations, said projection being adapted to fit within said groove with said pivot pin in seating engagement in said aperture, the bifurcations being adapted to spread apart during the passing of the pin therebetween to provide a pivotal snap connection between said abstract and whip member.

2,260,311
HERMETICALLY SEALED PIEZOELECTRIC CRYSTAL HOLDER
Harold Granger, Alexandria, Va.
Application December 27, 1940, Serial No. 371,949
16 Claims. (Cl. 171—327)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A piezoelectric crystal holder, comprising in combination a casing acting as a lower electrode, an upper electrode insulated from said lower electrode, said holder adapted to accommodate a piezoelectric crystal in the space between said electrodes, means to vary and adjust the size of said space, and means to hermetically seal said space with said crystal therein.

2,260,312
FLOAT ACTUATED ELECTRICAL CONTROL SYSTEM
Lloyd B. Gruman, Shippensburg, Pa., assignor to Domestic Engine & Pump Company, Shippensburg, Pa., a corporation of Pennsylvania
Application May 14, 1940, Serial No. 335,192
16 Claims. (Cl. 103—26)

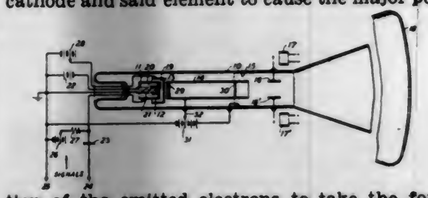


1. An electrical circuit controller for controlling the condition of an electrical circuit according to the level of fluid in a tank comprising an insulated support adapted to be mounted transversely of an opening in the tank, a plurality of electrodes depending from said support including a grounding electrode, a long electrode and a short electrode, a float mounted for sliding movement on said grounding electrode, and a contact carried by said float and adapted to establish connection with said short electrode when the fluid level in the tank rises to a predetermined level.

2,260,313
CATHODE RAY TUBE
Frank Gray, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 8, 1939, Serial No. 255,226
15 Claims. (Cl. 250—27)

1. A cathode ray tube device comprising an electron emitting cathode, a target, a conducting element having an annular portion symmetrically encircling the tube axis which passes

through the center of the emitting portion of the cathode and extends to the target, said annular portion extending on the side towards said target to a plane perpendicular to said axis between said cathode and target and relatively close to the former, means for varying the potential of said conducting element relative to that of said cathode, additional means cooperating with said cathode and said element to cause the major por-



tion of the emitted electrons to take the form of a beam which is diverging when it reaches said plane and later converging to a focus on said axis at a point dependent upon the potential of said conducting element and also to cause the number of emitted electrons to vary in the same sense with the variations in said potential, and means for utilizing the change in position of focus to vary the number of electrons reaching said target.

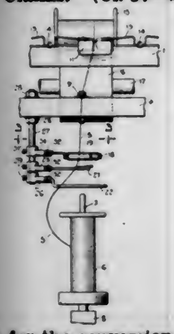
2,260,314

DEVICE FOR PRODUCING STAPLE FIBER YARNS FROM CONTINUOUS FILAMENTS

Jules E. Halin, Drummondville, Quebec, Canada, assignor to Celanese Corporation of America, a corporation of Delaware

Application April 12, 1940, Serial No. 329,226

5 Claims. (Cl. 57—2)



1. Apparatus for the conversion of a yarn comprising a bundle of continuous filaments into a continuous product containing staple fiber comprising, in combination with a device having means for ballooning said yarn and inserting a twist therein and means for taking-up the same at a point above the twisting means, an abrasive member adapted to be contacted by said yarn continuously during the ballooning of said yarn, and a plurality of guides disposed below said abrasive member for regulating the ballooning of said yarn so as to control the degree of abrasion of said yarn by said abrasive member.

2,260,315

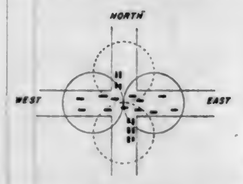
RADIO TRAFFIC CONTROL SYSTEM

William S. Halstead, Huntington, N. Y., assignor of one-third to John B. Brady, Washington, D. C.

Application September 1, 1938, Serial No. 228,051

8 Claims. (Cl. 177—337)

1. In a signalling system for controlling the flow of traffic in interfering lanes at a traffic intersection, an antenna structure comprising a pair of directional antennas mounted on a common housing, one of said antennas being disposed to effect production of a primary radiation pattern having a major lobe extending substantially in a longitudinal direction along one traffic lane, the second of said antennas being disposed to effect production of a primary radiation pattern having a major lobe extending substantially in a longitudinal direction along a second interfering traffic lane at said intersection, said an-



tenna structure being disposed adjacent said traffic intersection, a carrier generator electrically connected to each of said antennas, means for modulating each of said carrier generators by a plurality of distinct predetermined audio frequency control signals corresponding to "stop" and "go" traffic indications, and traffic control relay switching means for effecting modulation of one of said carrier generators by a "stop" signal concurrently with modulation of the second carrier generator by a "go" signal for selective control of traffic flow in each of said interfering lanes.

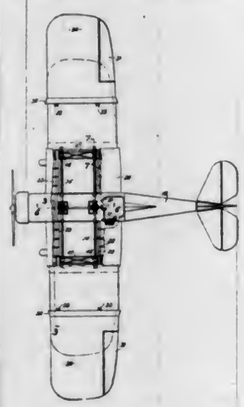
2,260,316

RETRACTABLE AIRPLANE WING

Jack J. Harris, Cleveland, Ohio, assignor of one-half to Louis Kinczell, Cleveland, Ohio

Application October 5, 1939, Serial No. 298,089

5 Claims. (Cl. 244—43)



1. In an airplane, a retractable airfoil, comprising in combination, a primary wing, a plurality of tracks extending laterally through the said primary wing, a secondary wing telescopically connected to the primary wing and having a mounting means engaging the said tracks, a streamlining abutment mounted on the said secondary wing, and a locking means on the said abutment engageable with the said tracks.

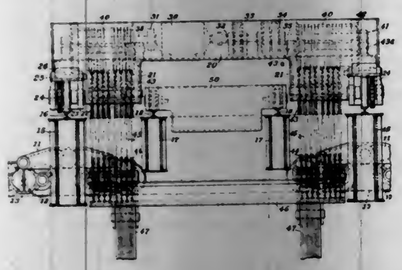
2,260,317

CRANE CONSTRUCTION

Robert J. Harry, Alliance, Ohio

Application January 12, 1939, Serial No. 250,575

12 Claims. (Cl. 212—22)



1. In an overhead crane construction, a substantially U-shaped transversely extending main frame, said U-shaped frame having side portions depending downwardly therefrom, interlocking hoist drum pairs operably mounted with respect to said depending side portions, an actuating drive mechanism for said drum pairs mounted on said frame between said depending side portions, said actuating mechanism being operably connected to said hoist drums, sheaves operably mounted in said side depending portions in a cooperative relationship with respect to said hoist drum pairs, and an auxiliary frame operably mounted beneath said main frame and between said depending side portions thereof.

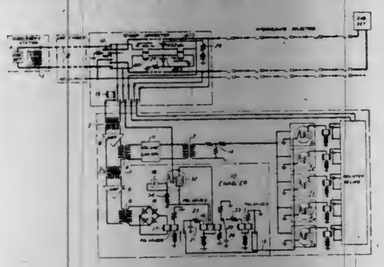
2,260,318

TELEPHONE SYSTEM

George Hecht, Astoria, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 23, 1940, Serial No. 362,347

5 Claims. (Cl. 179—18)



1. In a telephone system in combination, a transmission line provided with a plurality of channel detectors adapted for response to alternating current signals, a source of direct current potential for connection to said line, and an enabler for said channel detectors adapted to sensitize the same for response to said alternating signals comprising means responsive to the difference of potential available across said line in response to the direct current flowing thereover from said source of direct current potential, and means responsive to said incoming signal energy, the speed of operation of said first-mentioned means being dependent upon the value of said potential difference and the response of said second-mentioned means.

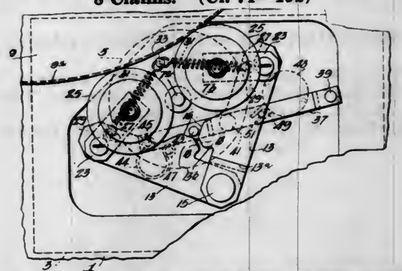
2,260,319

PHONOGRAPHIC APPARATUS

John J. Hoehn, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware

Application November 30, 1939, Serial No. 306,832

8 Claims. (Cl. 74—192)



1. In phonographic apparatus, the combination of a motor having a driving shaft, a turntable, a pair of supporting members, a friction wheel carried by each of said supporting members, said friction wheels being floatingly mounted with respect to their respective supporting members, said supporting members being mounted for movement from and to a position such that said friction wheels will engage the periphery of said turntable and said shaft to provide a plurality of driving couplings therebetween, and control means common to both of said supporting members for simultaneously controlling the movement of said members into and out of said position.

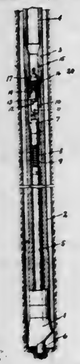
2,260,320

CORING APPARATUS

John E. Hoffoss, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas

Application November 23, 1940, Serial No. 366,819

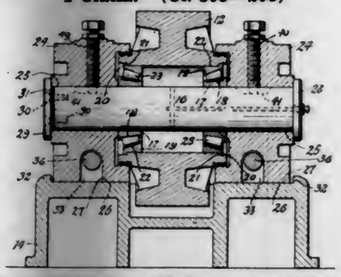
3 Claims. (Cl. 255—72)



1. In a latching mechanism for a wire line core barrel or the like, a carrier body adapted to be connected to the upper end of such core barrel, a latching member mounted on said carrier body for lateral movement with respect thereto into projected latching position, a plunger on said carrier body above said latching member and having an engagement with said latching member whereby upon upward movement of said plunger said latching member will be retracted and upon downward movement of said plunger said latching member will be projected, spring means for holding said plunger normally in its uppermost posi-

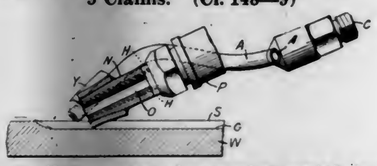
tion with said latching member retracted, and an enlargement on said plunger adapted to be acted upon by the flow of slush downwardly past said plunger to move said plunger downwardly and to move said latching member into latching position.

2,260,321
MOUNTING FOR SUPPORTING ROTARY DRUMS
Harlan W. How, Titusville, Pa., assignor to Struthers Wells-Titusville Corporation, Titusville, Pa., a corporation of Maryland
Application October 9, 1939, Serial No. 298,571
1 Claim. (Cl. 308—203)



A mounting for rotatably supporting a drum comprising a supporting roller adapted to engage said drum, a shaft having its central part arranged within said roller, a rolling bearing which is interposed between said roller and shaft and the wear upon which may be taken up by adjustment of parts of said rolling bearing relative to one another lengthwise of the axis of said shaft, standards arranged on opposite sides of said roller and supporting said rolling bearing on its central part and one of said standards being rigidly connected with one end of said shaft and the other of said standards being adjustably connected with the opposite end of said shaft, a base upon which said standards are freely slidable in a direction parallel with said shaft, each of said standards being provided on its underside with a recess, a flexible longitudinal adjusting rod arranged in the recess of each of said standards and rigidly connected at one end with said base and capable of movement at its opposite end in a direction parallel with the axis of said shaft, and means for adjustably connecting said last mentioned end of each adjusting rod with the respective standard.

2,260,322
DESEAMING AND DESURFACING APPARATUS AND PROCESS
Everett P. Jones, Elizabeth, and Melvin J. Harris, Cranford, N. J., assignors to Oxweld Acetylene Company, a corporation of West Virginia
Application April 22, 1939, Serial No. 269,440
5 Claims. (Cl. 148—9)



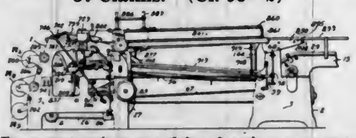
4. In the process of removing metal from a ferrous metal body by directing heating and oxidizing gas stream along and obliquely against a surface area of said body for thermochemical reaction with heated surface metal wherein a tide of molten material flows laterally over the adjacent surface to form an undesirable longitudinal fin along at least one edge of said area; the method of inhibiting the formation of said fin which comprises impinging a soft auxiliary oxidizing gas jet along and obliquely against said tide of molten material as it flows laterally over said edge for thermochemical reaction exclusively with the molten metal therein, said soft auxiliary oxidizing gas jet being directed downwardly and inwardly with respect to said streams so as to oppose the fin-forming tide of molten material tending to overflow the adjacent surface, and maintaining said soft auxiliary oxidizing gas jet at a velocity substantially lower than a deseaming or desurfacing velocity and of the order of 50 to 150 feet per second, whereby the force of impingement of said soft auxiliary oxidizing gas jet against said tide is only such that the metal content of said molten material is thermochemically sufficiently reduced, in flowing over said edge, to prevent adherence of said material to said edge.

2,260,323
CONNECTOR PLUG
Carl H. Judisch and Arthur Howarth, Providence, R. I., assignors to The Whitney Blake Company, New Haven, Conn., a corporation of Connecticut
Application February 18, 1938, Serial No. 191,219
12 Claims. (Cl. 173—361)



9. An attachment plug comprising a resilient body having a pair of spaced contact blade positioning slots in one side of said body, one wall of each slot having a notch therein; and a contact blade disposed in each slot, each blade comprising a return bent elongate strip of spring metal providing a contact portion projecting beyond the end of the plug and having two legs integrally joined at the outer end of said contact portion, one leg being bowed away from said other leg which is substantially straight, the bowed leg being shorter in length than the other leg and terminating in a projection lying within the notch in the slot and engaging the walls of the notch to hold the blade against longitudinal movement in either direction in said slot.

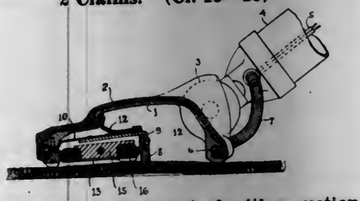
2,260,324
WRAPPER AND METHOD
Arthur A. Kottmann, Davenport, Iowa, assignor to Micro-Westco, Incorporated, Bettendorf, Iowa, a corporation of Delaware
Application April 23, 1938, Serial No. 203,865
37 Claims. (Cl. 93—2)



1. In a wrapping machine having a conveyor to advance articles to an infeed station, a carrier movable to receive the articles at said station and advance them in the machine, said conveyor arranged to individually move each article incompletely onto the carrier, means to feed wrapping material to an article-receiving position adjacent

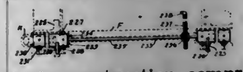
the station while the carrier is removed from the station, whereby, upon movement of an article onto the carrier at the station, the article is partially enveloped by the positioned wrapping material, and a pivotally mounted member having a curved surface portion along one side for smoothing the wrapping material against the article as the article is advanced onto the carrier by the conveyor, said smoothing means arranged to remain in contact with the article as the latter is moved away from the infeed station by the carrier and to be rotated by the article and to frictionally engage the outer surface of the wrapper and bear against the article with sufficient force to move the article completely onto the carrier.

2,260,325
VACUUM CLEANER
Ward Leathers, Haworth, N. J., assignor to Quadrex Corporation, New York, N. Y.
Application August 3, 1938, Serial No. 222,817
2 Claims. (Cl. 15—13)



1. In a suction cleaning tool with a suction inlet having parallel lips forming the two longer sides of said inlet, a carpet-agitating-beating member disposed between said lips and comprising an armature, an electro-magnet member also disposed within said tool, said members pivotally joined to one of said lips inwardly of the cleaning tool and in such manner that their weights are carried substantially independently of each other and of the tool itself by the napped surface undergoing cleaning, and with means interposed between the said members for holding the armature normally free from the electro-magnet.

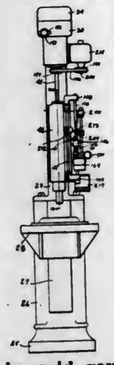
2,260,326
AUTOMOBILE LOCK
Richard E. Marine, Pittsburgh, Pa.
Application July 29, 1932, Serial No. 625,937
19 Claims. (Cl. 70—264)



9. In a vehicle construction comprising a vehicle body having a door on each side, in combination, locks for the doors; interconnecting power transmitting and synchronizing means between said locks, and means for operating said first mentioned means from the inside or outside of the vehicle, to effect the locking or unlocking of all the doors.

2,260,327
MACHINE TOOL
George K. McKee, Cincinnati, Ohio, assignor to The Avey Drilling Machine Company, Covington, Ky., a corporation of Ohio
Application August 31, 1939, Serial No. 292,850
19 Claims. (Cl. 77—32)

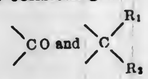
1. In a drilling machine of the class described, the combination of a tool carrier, means for rotating the tool, means for reversely actuating the carrier and tool relative to the work, a speed control governor connected with the tool to have imparted thereto the rotations of the tool, and



means operable by said governor upon slowing down in rotation of the tool for reversing the direction of movement of the tool relative to the work.

2,260,328
PROCESS FOR THE MANUFACTURE OF α-β-UNSATURATED KETONES OF THE CYCLOPENTANOPOLYHYDROPHENANTHRENE SERIES
Karl Miescher, Riehen, and Albert Wettstein, Basel, Switzerland, assignors, by mesne assignments, to Ciba Pharmaceutical Products, Incorporated, Summit, N. J., a corporation of New Jersey
No Drawing. Application June 5, 1936, Serial No. 83,794. In Switzerland June 18, 1935
11 Claims. (Cl. 260—397.3)

1. A process for the manufacture of α-β-unsaturated 3-ketones of the cyclopentanohydrophenanthrene series, comprising causing halogen to act on saturated 3-keto-cyclopentanohydrophenanthrenes containing in the 17-position a member of the group consisting of



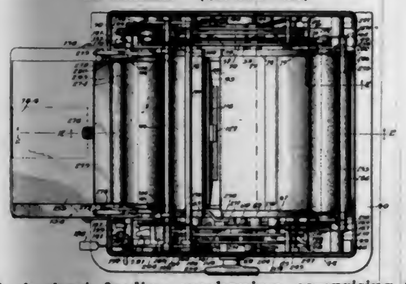
wherein R_1 is a member of the group consisting of free hydroxyl, esterified hydroxyl and etherified hydroxyl, and R_2 is a member of the group consisting of alkyl and hydrogen, and treating the halogen compounds thus produced with an agent that eliminates hydrogen halide.

2,260,329
COMPOSITION OF MATTER CONTAINING A FILM-FORMING DERIVATIVE OF CELLULOSE
William Henry Moss, London, England, assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application September 30, 1937, Serial No. 166,607. In Great Britain October 12, 1936
4 Claims. (Cl. 106—176)

1. A composition of matter containing a film-forming substance selected from the class of derivatives of cellulose consisting of organic acid esters of cellulose and cellulose ethers and a condensation product of an aliphatic halide containing at least two halogen atoms and at least one alcoholic group and a substance selected from the

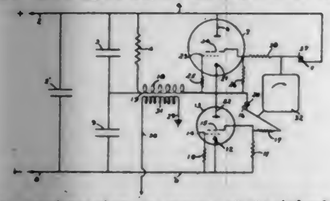
class consisting of toluene and xylene sulphonamides, said condensation product containing at least two sulphonamide residues.

2,260,330
DUPLICATING APPARATUS
Morris P. Neal, Villa Park, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application April 7, 1939, Serial No. 266,518
16 Claims. (Cl. 271—22)



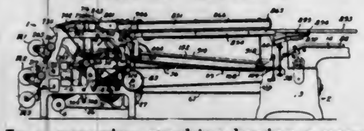
1. A sheet feeding mechanism comprising in combination a table movable up and down for movably supporting a pile of sheets thereon, means positioned above the table adapted by engagement with the top sheet of said pile of sheets to limit the upward movement of the table, yielding means adapted normally to press said table and pile of sheets yieldingly upward to the limit of their motion, rotary means above said table at opposite sides thereof positioned normally in spaced relation to the top sheet of said pile and adapted by rotary movement in one direction to give the engaged portion of said top sheet an edgewise movement so as to uncover an edge portion of the next lower sheet and adapted by rotary movement thereafter in the opposite direction to move said engaged portion of the top sheet forwardly and adapted then to move again into spaced relation to the pile, means for giving said rotary means rotary movements successively in opposite directions, and means adapted upon the retraction of said top sheet to engage said next lower sheet at the exposed portion thereof for partially separating said top sheet from the pile.

2,260,331
IGNITION SYSTEM FOR INTERNAL COMBUSTION ENGINES
Melville F. Peters, Beltsville, Md., and George F. Blackburn, Washington, D. C.
Application November 20, 1940, Serial No. 366,430
19 Claims. (Cl. 123—148)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In combination, a source of electrical energy of substantially constant potential, a first capacitor and a second capacitor electrically connected in series across said source, a step-up transformer having a primary winding and a secondary winding, a first space discharge means and a second space discharge means each having a grid, a first common circuit including said primary winding and said first discharge means for charging said first capacitor and discharging said second capacitor, a second common circuit including said primary winding and said second discharge means for discharging said first capacitor and charging said second capacitor, means including a cam actuated contact means cyclically operable to apply a sufficient voltage to said grids to cause said discharge means to become alternately conductive, a charging resistor connected across said first capacitor, and a storage capacitor connected across said source, the current flowing through said contact means being of the order of a few milliamperes, the flow of charging current from said source being substantially uninterrupted, said first capacitor being charged and said second capacitor being simultaneously discharged through said first common circuit, said first capacitor being discharged and said second capacitor being simultaneously charged through said second common circuit.

2,260,332
METHOD OF AND APPARATUS FOR PACKAGING ARTICLES
Charles H. Petskeyes, Davenport, Iowa, assignor to Micro-Westco, Inc., Bettendorf, Iowa, a corporation of Delaware
Application April 23, 1938, Serial No. 203,852
92 Claims. (Cl. 93—2)



1. In a wrapping machine having a wrapping mechanism, an infeed station, and an outfeed station, a carrier movable to receive an article at the infeed station and deliver the article at the outfeed station, guide means for the carrier, means for actuating the carrier including an oscillated lever and a link secured to the lever and carrier, a cutter for severing a web of wrapping material and movably mounted adjacent to and in parallel relation with the carrier, and means for actuating the cutter including a reciprocable member actuated by the lever, whereby the carrier and cutter move in synchronization.

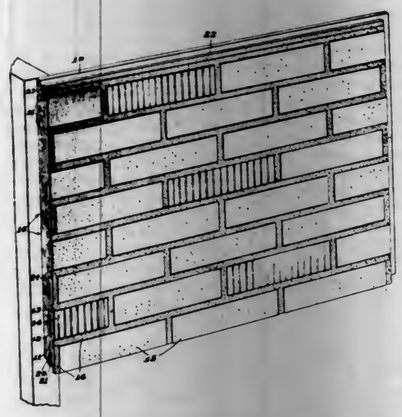
2,260,333
SAFETY RAZOR
Paul L. Phillips, Hartford, Conn.
Application February 15, 1938, Serial No. 190,630
20 Claims. (Cl. 30—75)



1. In combination, a holder having raised connecting means thereon longitudinally grooved along its opposite sides, a resilient blade having a longitudinally disposed recess of substantially

the length of said connecting means and closed at its ends and receiving said connecting means, said means and recess having cooperating engaging portions obstructing vertical assembly in all longitudinal positions of said blade relative to said connectiong means, and said connecting means and recess also having cooperating means at their opposite ends for enabling insertion of the edges of said recess in said grooves from either end of said connecting means.

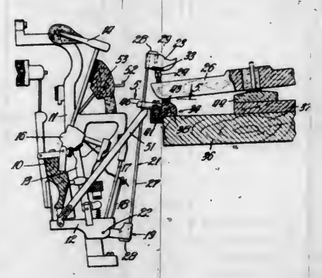
2,260,334
INSULATED ORNAMENTAL SIDING MATERIAL
Stanley S. Phillips, Norwood, Mass., assignor to Bird & Son, Inc., East Walpole, Mass., a corporation of Massachusetts
Application April 8, 1939, Serial No. 266,796
5 Claims. (Cl. 20—5)



1. An insulated ornamental siding material having, in combination, a relatively soft though stiff fibrous insulating base member, a waterproof sheet adhesively secured to said base member, brick-colored particles of granular material adhesively secured to said waterproof sheet and covering certain areas only of said sheet to represent a plurality of courses of spaced brick with narrow mortar-joint-simulating areas of contrasting color exposed therebetween, said mortar-joint-simulating areas presenting convex exposed surfaces with the edge portions thereof adjacent the brick-appearing areas deeply indented and with said waterproof sheet depressed into said base member.

2,260,335
PIANO ACTION
Julian C. Potwin, Ivoryton, Conn., assignor to Pratt, Read & Company, Ivoryton, Conn., a corporation of Connecticut
Application November 28, 1940, Serial No. 367,603
12 Claims. (Cl. 84—240)

1. In piano mechanism for a piano having keys and key supporting means, the combination of a plurality of abstracts operatively connected with the keys, each of which abstracts is movable in an upright direction when operated for playing, and means for guiding the playing movement of said abstracts, including a rail member supported on said key supporting means extending transversely of said abstracts and positioned forwardly thereof, said rail member having a shoulder portion projecting rearwardly of said key supporting means, and a stationary guide member individual to each of said abstracts mounted at one end on said shoulder portion and operatively connected at the other end with its corresponding abstract, each of said guide members having an aperture at the other end thereof receiving therein a portion of its corresponding abstract intermediate the top and the bottom thereof; with said guide means being positioned entirely below the point of connection of said abstracts and said keys.



2,260,336
METHOD OF PREPARATION OF ORGANIC BORATES
Ralph F. Prescott, Robert C. Dosser, and John J. Sculati, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application October 16, 1939, Serial No. 299,698
2 Claims. (Cl. 260—462)

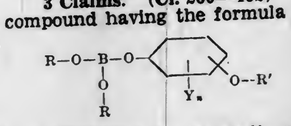
1. In a method of preparing organo derivatives of boric acid having the general formula

$$(R—O—)_3{\equiv}B$$

wherein R represents an aromatic radical, the step which consists of heating a mixture of boric acid, a monohydric phenol, and a water-immiscible organic solvent to a temperature at which a mixture of the solvent and water of reaction is steam-distilled from the reaction zone.

2,260,337
ALKOXY-ARYL BORATE
Ralph F. Prescott, Robert C. Dosser, and John J. Sculati, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application October 16, 1939, Serial No. 299,699
3 Claims. (Cl. 260—462)

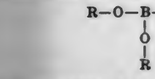
1. A compound having the formula



wherein R represents an aromatic radical, R' represents a lower alkyl radical containing from 1 to 8 carbon atoms, inclusive, Y represents a member of the group consisting of halogen and hydrogen, and n is an integer not greater than 2.

2,260,338
(TERTIARYBUTYL-ARYL) BORATES
Ralph F. Prescott, Robert C. Dosser, and John J. Sculati, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application September 16, 1940, Serial No. 356,984
4 Claims. (Cl. 260—462)

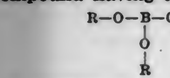
1. A compound having the formula



wherein R represents an aromatic radical, and R′ represents a tertiarybutyl-aryl radical of the benzene series.

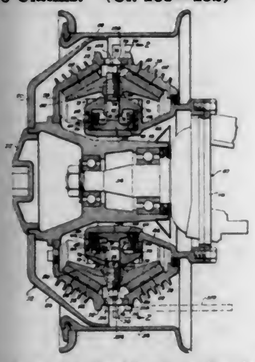
2,260,339
(CYCLOHEXYL-ARYL) BORATES
Ralph F. Prescott, Robert C. Dosser, and John J. Sculati, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application September 16, 1940, Serial No. 356,985
6 Claims. (Cl. 260—462)

1. A compound having the formula



wherein R represents an aromatic radical, and R′ represents a cyclohexyl-aryl radical of the benzene series.

2,260,340
HYDROSTATIC BRAKE
Claude Sauzedde, Detroit, Mich., assignor to Detroit Hydrostatic Brake Corporation, Detroit, Mich., a corporation of Michigan
Application January 18, 1940, Serial No. 314,500
6 Claims. (Cl. 188—152)

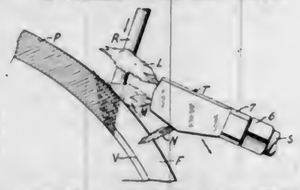


1. In a hydrostatic braking mechanism having a rotatable brake drum and a non-rotatable braking member for and cooperable with the drum and comprising, a non-rotatable support defining a cylinder in communication with a source of fluid pressure, a piston reciprocably mounted in said cylinder and operatively connected to the braking member for unitary movement therewith responsive to said pressure, a cylindrical member of flexible material arranged between said piston and the wall of said cylinder and having its two ends radially flanged in opposite directions, an annular reenforcing member permanently fixed to each of said flanged ends of said flexible member, means arranged between said flexible member and said cylinder wall and cooperable with one of said reenforcing members for stationarily sealing the respective end of said flexible member to the base of said cylinder, and means cooperable with the other of said reenforcing members for sealing the respective end of said flexible member to said piston for movement therewith.

2,260,341
LUBRICATING OIL COMPOSITION
John E. Schott, New York, N. Y., assignor to Tide Water Associated Oil Company, Bayonne, N. J., a corporation of Delaware
No Drawing. Application April 5, 1938, Serial No. 200,073
3 Claims. (Cl. 252—37)

1. Substantially liquid and non-stringy lubricating oil for internal combustion engines operating at high sustained speeds and under extreme service conditions of temperature and pressure such as may be encountered in Diesel engine lubrication, which comprises a hydrocarbon motor oil of suitable viscosity for the intended service compounded with approximately 1% by weight of aluminum stearate and a quantity of hydroxy butyloxy-ethyl ether, in the range of about 5% to 20% by weight of said aluminum stearate, sufficient to improve the lubricating efficiency of the oil, the ingredients of said compounded oil being subjected to a heat treatment at an elevated temperature and for a period of time sufficient to produce a resulting product which has substantially the viscosity and fluidity characteristics of the uncompounded oil.

2,260,342
MULTIFLAME WELDING TIP
Marvin R. Scott, Cleveland, Ohio, assignor to Oxweld Acetylene Company, a corporation of West Virginia
Application June 28, 1939, Serial No. 281,661
8 Claims. (Cl. 158—27.4)

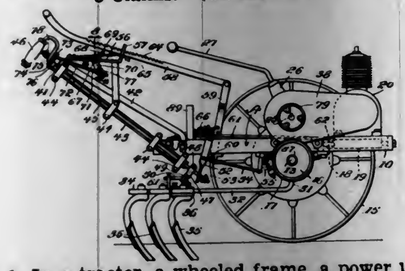


8. A multi-flame welding tip adapted to be attached to the stem of a blowpipe utilizing a combustible gas mixture in the back-hand position welding of metal parts having surfaces arranged to form a welding groove, such as a V, within which molten weld metal tends to flow downwardly under the influence of gravity ahead of the welding operation and, in some cases, out of the groove entirely, said tip comprising a unitary metal body having: a single cylindrical gas inlet chamber extending into said body from the rear end of the tip and terminating within said body in an inner end surface spaced from the front end of said tip, a pair of divergent rod preheating and main welding gas outlet passages extending from opposite sides of said inner end surface to the front end of the tip, the axes of said passages being disposed in a common plane, said passages diverging at an acute included angle and one of said passages being adapted to discharge a preheating flame generally upwardly against a rod of weld metal being fed generally downwardly into such V, the other passage being adapted to discharge a main welding flame against weld metal to restrain and maintain the same in a welding state as the weld advances downwardly along the V, and a pair of work preheating gas outlet passages disposed in substantially equally spaced relation to said plane and extending from said chamber to the bottom surface of said tip, at an angle to said main welding gas outlet passage, for discharging a preheating flame against each of the inner surfaces of such metal parts in the V in advance of and below the main welding operation.

2,260,343
GELATINIZED NITROCELLULOSE AND METHOD OF MAKING SAME
Joseph K. H. Seiberlich, Brookline, Mass., assignor to Seiberlich Chemical Corporation, a corporation of Maine
No Drawing. Application June 28, 1938, Serial No. 216,285
9 Claims. (Cl. 92—68)

2. A process for the conversion of nitrocellulose from the fibrous to the non-fibrous gelatinous condition, comprising heating such fibrous nitrocellulose in the solid condition and in the absence of a solvent and of a plasticizer to the softening point and subjecting the softened material to pressure until the fibrous character of the material has been destroyed.

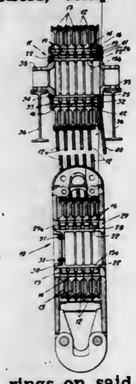
2,260,344
TRACTOR
Stanley W. Shaw, Galesburg, Kans.
Application April 18, 1939, Serial No. 268,629
8 Claims. (Cl. 180—17)



1. In a tractor, a wheeled frame, a power unit on said frame and having driving connections with the wheels of said frame, brakes for the respective wheels of said frame and operative together or independently of each other, hand actuated members carried at the rear of said frame and controlling the respective brakes for operation thereof together or independently of each other, and means cooperating with said members for interrupting the connections between the power unit and said wheels when the brakes are applied simultaneously with each other.

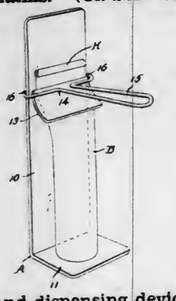
2,260,345
BEARING CONSTRUCTION
David M. Smith, Hermosa Beach, and William H. Fisher, Los Angeles, Calif., assignors to Emsco Derrick & Equipment Company, Los Angeles, Calif., a corporation of California
Application April 20, 1940, Serial No. 330,708
6 Claims. (Cl. 254—192)

1. In multiple sheave means having replaceable bearing means of the character described, the combination of: a plurality of outer rotatable sheave means disposed in side-by-side relation; a support extending through said rotatable means; an outer bearing race in each of said outer rotatable means, and surrounding said support, each outer bearing race comprising an annular bottom wall and a pair of lips projecting inward from the edges thereof; a set of cylindrical bearing rollers in each of said outer races; inner bearing race means on said support to receive said rollers, comprising a plurality of



radial bearing rings on said support in position to be engaged by said rollers, and spacer rings on said support between said radial bearing rings, the outer portions of said spacer rings projecting so as to form thrust receiving lips for engagement with end faces of said rollers, the axial dimension of said spacer rings being such that said rotatable means will be held in spaced, non-engaging relation by said rollers and the lips co-operating therewith; and means to hold said rings and spacers in end to end engagement on said support.

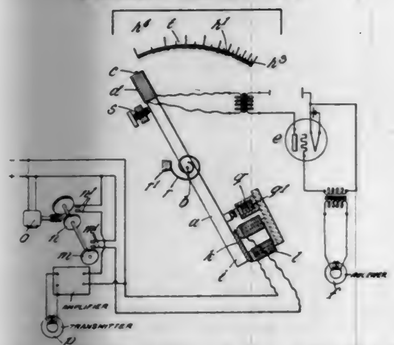
2,260,346
DEVICE FOR SUPPORTING COLLAPSIBLE TUBES AND DISPENSING THE CONTENTS THEREOF
Joseph V. Spencer, Loudonville, N. Y., assignor of one-half to Nathaniel F. Flater, Lathans, N. Y.
Application May 14, 1940, Serial No. 335,054
4 Claims. (Cl. 221—60)



1. A holder and dispensing device for collapsible tubes comprising a substantially L-shaped bracket including a vertical portion and a horizontal portion at the lower end thereof having an opening for receiving therethrough the neck at the outlet end of the collapsible tube, a bail providing a handle and having integral means for associating the same with the vertical portion of the bracket for sliding and rocking movement

with reference thereto, and an arcuate pressure blade rigidly secured to the bail for squeezing and flattening the tube against the vertical portion of the bracket progressively from the upper closed end towards the lower outlet end upon rocking and sliding movement of the bail.

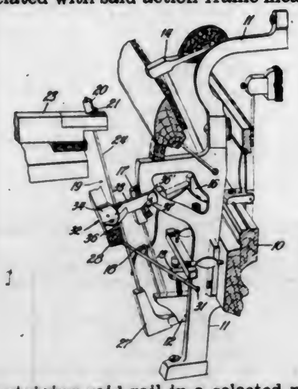
2,260,347
ECHO SOUNDING APPARATUS
Donald Orr Sproule, London, England, assignor of one-third to Henry Hughes & Son, Limited, London, and one-third to Arthur Joseph Hughes, Chigwell Row, Essex, England
Application July 22, 1937, Serial No. 155,066
In Great Britain July 30, 1936
5 Claims. (Cl. 177—386)



1. A device for measuring and indicating the time periods between the emission of sound pulses and the reception of echo pulses in echo sounding apparatus having in combination a member constrained to vibrate in a defined path, impulse means for imparting motion to said member in one direction, resilient means for restoring said member to starting position at one end of said path, means for releasably holding said member at starting position, means operated before the emission of a sound pulse to release said member, echo pulse excited means on said member, means for indicating the instant of echo pulse excitation and a scale adjacent to said path by which the angle of the member at the instant of excitation relatively to a datum can be ascertained.

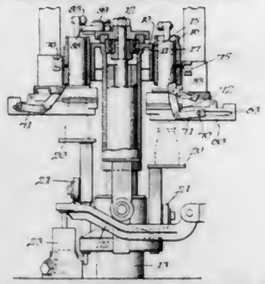
2,260,348
MOVABLE REST RAIL FOR PIANO ACTION ABSTRACTS
Charles Frederick Stein, Chicago, Ill., assignor to Pratt, Read & Co., Inc., Ivoryton, Conn., a corporation of Connecticut
Application September 26, 1940, Serial No. 358,497
9 Claims. (Cl. 84—240)

1. In a piano action having an abstract and action frame means, with the abstract pivotally connected at one end to said action and having a body portion free of the action at its opposite end so as to normally fall pivotally forwardly away from the action, the combination of means for limiting the pivotal movement of said abstract including a rail member arranged transversely of said abstract and engageable therewith at a point intermediate the top and the bottom of the abstract body, means operatively connected to said action frame means and to said rail movably supporting said rail for movement relative to said action, and in a position such that on movement of said rail toward said action said rail engages said abstract body at a point intermediate the top and the bottom thereof and pivotally moves said abstract body toward said action, and releasable latch means associated with said action frame means and said



rail retaining said rail in a selected position forwardly of said abstract, with said latch means in latched-rail-retaining position being operatively connected with said rail and with said action.

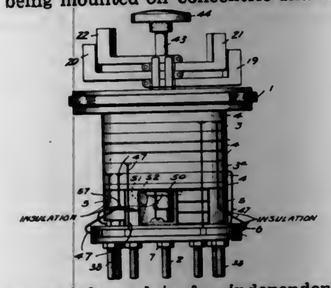
2,260,349
CAPPING MECHANISM
Robert J. Stewart and Henry H. Franz, Baltimore, Md., assignors to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application March 4, 1939, Serial No. 259,897
16 Claims. (Cl. 226—84)



1. In a mechanism for applying closures to containers, a fixed support, a table member movable on said support, a closure applying element and a container supporting element carried by said table member, a plurality of cam means to control vertical movement of said elements to apply a closure to a container supported on said container supporting element, one of said cam means being movable from the path of said elements when no container is carried by said container supporting element.

2,260,350
SWITCHING DEVICE
Raymond K. Stout and Theodore B. Holliday, Dayton, Ohio
Application May 24, 1940, Serial No. 337,042
5 Claims. (Cl. 200—4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a switching device, a face plate, a pair of posts on the rear of said face plate, an annular stator ring carried by said posts, a first plurality of fixed contacts on said ring and lying approximately in the plane of one face of said ring, a second plurality of fixed contacts on said ring and lying approximately in the plane of the opposite face of said ring, a first rotor having contacts adapted to selectively engage certain of said first plurality of contacts, a second rotor having contacts adapted to selectively engage certain of said second plurality of contacts, said rotors being mounted on concentric shafts jour-



naled in said face plate for independent rotation, a rear plate carried by said posts, a circular opening in said rear plate, a plurality of contacts disposed in the periphery of said circular opening, a plunger slidably carried within said concentric shafts, an annular contact on said plunger adapted to simultaneously engage said last-mentioned contacts, a cam-operated switch on said rear plate, and a cam-engaging projection on said plunger for operating said last-named switch.

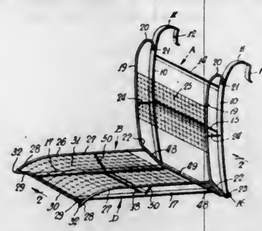
2,260,351
METHOD OF FORMING BILLETS
Marion L. Strawn, Rockford, Ill., assignor to The Ingersoll Milling Machine Company, Rockford, Ill., a corporation of Illinois
Application February 8, 1937, Serial No. 124,640
Renewed March 21, 1940
1 Claim. (Cl. 29—160.4)



The method of preparing a vertically cast billet for rolling and wire drawing which includes the steps of removing successive parallel layers of metal from the slag end of the billet to form a truncated pyramid with beveled edges, and separately removing successive curved layers of slag containing metal from the end of said pyramid to leave a convexly curved end surface.

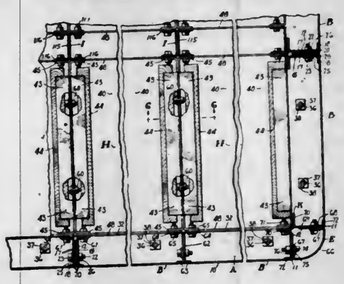
2,260,352
COMBINATION SEAT AND BACK
Paul Trapani, New York, N. Y.
Application January 29, 1938, Serial No. 187,628
3 Claims. (Cl. 155—182)

3. A combination including detachable seat and back rests, each comprising an upper resilient metal frame of rod metal material and a lower resilient metal frame of strip metal stock having less resiliency than the upper frame, said frames being connected by hinge connection at the back of the seat rest and at the bottom of the back rest, and flexible body contact members carried by said upper frames, each of said lower frames consisting of parallel side strip elements with transverse connecting members and each of said upper frames consisting of parallel rod elements positioned above and connected at their ends and middle portions to said side strip elements, said upper resilient metal frame for the back rest and for the seat rest being substantially identical in width, and said upper resil-



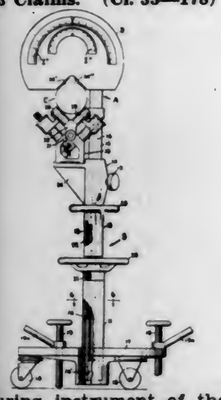
ient metal frame and said lower resilient metal frame for the back rest being substantially identical in width and said lower resilient metal frame for the seat rest being substantially narrower than the upper resilient frame of the seat rest.

2,260,353
PREFABRICATED HOUSE CONSTRUCTION
William Van Alen, Brooklyn, N. Y.
Application May 10, 1938, Serial No. 206,982
22 Claims. (Cl. 189—1)



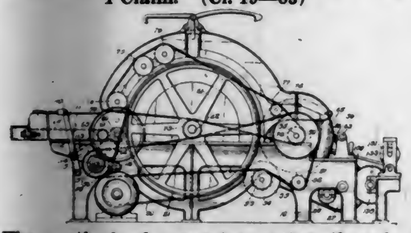
1. A pre-fabricated building construction comprising a plurality of floor and roof pans and a plurality of exterior wall pans, said pans being bolted together to form the house construction, all of which are provided with inturned abutting flanges and means to hold said flanges together, the inturned abutting flanges of the wall pans extending transversely inwardly from the bases of said wall pans substantially the full depth of said walls and closely abutting over their entire length and width, and the means to hold said last-mentioned abutting flanges together consisting of elongated stud clamps taking the form of a T and serving as vertical beams, said T's having stem portions also formed of closely spaced parallel flanges, which closely abut and fit against throughout their entire length, the exterior faces of said last-mentioned inturned abutting flanges and which are provided at their head portions with means for carrying an interior wall structure and at their foot portions with outturned end flanges contacting the inside faces of the exterior wall pans, and said outturned end flanges being turned outwardly upon a greater radius than the inturned abutting flanges of the wall pans are turned inwardly, whereby said wall pans may be drawn together with said stud clamps to form a tightly braced structure.

2,260,354
GAUGE FOR ELONGATED BODIES
Archibald L. Wallace, Northport, N. Y., assignor, by mesne assignments, of one-half to Archibald L. Wallace and one-half to Cherryfield Corporation, a corporation of Delaware
Application December 17, 1938, Serial No. 246,380
23 Claims. (Cl. 33—178)



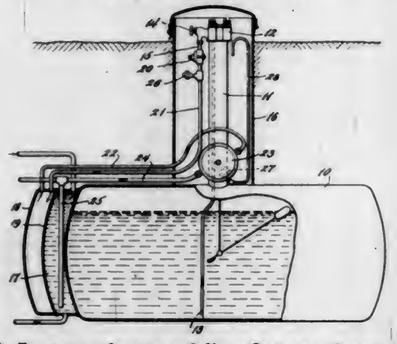
1. A measuring instrument of the class described, said instrument comprising a support, a plurality of fixed abutments mounted in said support in position to be engaged with circumferentially spaced regions of the periphery of an elongated cylindrical structure as the latter is advanced past said support, a plurality of movable abutments mounted on said support in positions to be engaged with circumferentially spaced regions of the periphery of said cylindrical structure opposed to said first-named contact regions, means operatively related to said movable abutments to bias said movable abutments yieldingly toward said cylindrical member and means operatively related to said movable abutments to furnish suitable indications of the movements of said movable abutments.

2,260,355
COTTON STRIPPING PROCESS
George C. Warner, La Porte, Ind., assignor to Deluxe Products Corporation, a corporation of Indiana
Application February 5, 1938, Serial No. 189,017
1 Claim. (Cl. 19—83)



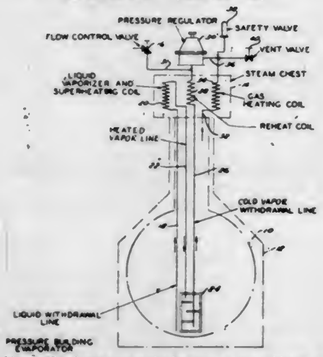
The method of preparing cotton threads in snarled thread form for manufacture into oil filter cartridges which comprises: feeding snarled thread material by rotating feeder rolls to a rapidly rotating toothed drum to form a ribbon of long threads upon the drum, working the threads while on the drum with other rotating toothed wheels, and removing the thread from the drum in a long ribbon having threads of an average length of at least several feet, the peripheral speed of the drum being approximately 2500 feet per minute in excess of the peripheral speed of the feeder rolls.

2,260,356
LIQUEFIED PETROLEUM GAS DISPENSING SYSTEM
Loyd J. White, San Antonio, Tex., assignor to Southern Steel Company, San Antonio, Tex., a corporation of Texas
Application January 17, 1940, Serial No. 314,312
10 Claims. (Cl. 62—1)



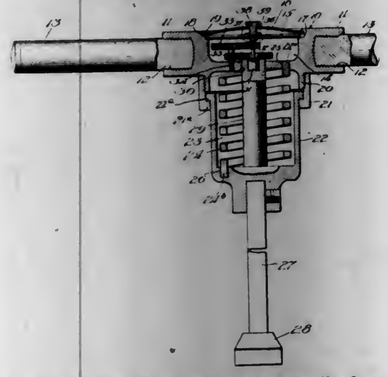
1. In an underground liquefied gas dispensing system, a pressure storage tank buried in the ground below the frost line; an external heat exchanger adjacent to and in heat exchanging relation with the tank and employing a liquid heat medium; a liquid eduction pipe connected to and leading from the bottom of the tank; a pressure reducing valve in the liquid eduction pipe; and an underground vapor generator associated with said heat exchanger connected to vaporize the liquefied gas at the reduced pressure and deliver it to a service pipe.

2,260,357
METHOD AND APPARATUS FOR DISPENSING GAS MATERIAL
George H. Zenner, Kenmore, N. Y., assignor to The Linde Air Products Company, a corporation of Ohio
Application August 7, 1937, Serial No. 157,876
14 Claims. (Cl. 62—1)



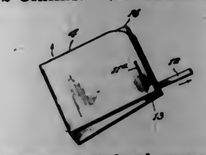
1. A liquefied gas container; a heating coil disposed in said container; a tubular extension connected to said container; a tubular member disposed concentrically of said tubular extension and extending into said container; said heating coil being aligned with said tubular member; a gas phase withdrawal conduit disposed in said tubular member; a means for maintaining the level of liquid within said tubular member above said heating coil.

2,260,358
TORQUE MEASURING WRENCH
Herman W. Zimmerman, Highland Park, Ill., assignor to Automotive Maintenance Machinery Co., North Chicago, Ill., a corporation of Illinois
Original application March 6, 1937, Serial No. 129,357. Divided and this application February 23, 1939, Serial No. 257,848
5 Claims. (Cl. 265—1)



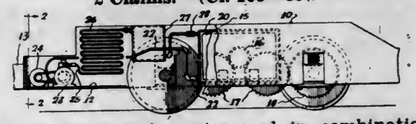
1. In a structure of the class described, a pair of shell members adapted for rotation together and relatively about a common axis, a coupling member rigidly secured to one of said relatively rotatable members and rotatably interlocked with the other of said rotatable members for coupling said rotatable members for relative rotation, spring means between and enclosed by said shell members and connected at its ends to said members in such a way as to yieldingly oppose relative rotational movement thereof, handle means on one of said members, work-engaging means on the other of said members, and indicating means including a first part carried by one of said members and rotatable relative to both said members and coaxial therewith for indicating extent of movement of said members, a second part carried by the other of said members, and a motion-transmitting part between said first and second parts.

2,260,359
MATCH BOOK
Charles C. Baldwin, St. Louis, Mo.
Application June 22, 1938, Serial No. 215,250
2 Claims. (Cl. 206—29)



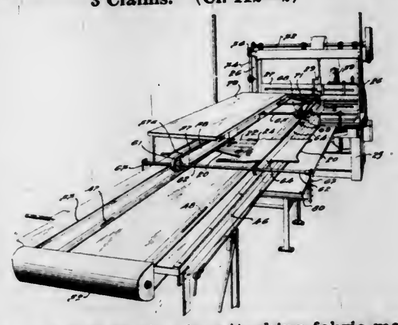
1. A blank for match book covers, formed of a single sheet of material and comprising an elongated body portion having spaced intermediate transverse fold lines and a longitudinal fold line defining the said elongated body portion, and provided at one end thereof with an integral lateral extension or flap, said extension being provided with a fold line disposed at an angle to the adjacent longitudinal fold line, and inclined in the direction of one end of said blank, the extension and adjacent portion of the body of the blank being provided with a match-striking surface adapted to be concealed within the cover when the blank is folded into shape.

2,260,360
MINE LOCOMOTIVE
Robert L. Barry, Downers Grove, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application July 8, 1940, Serial No. 344,406
2 Claims. (Cl. 105—59)



1. In an electric motor and in combination with a mine locomotive having a frame, a casing for said motor and means for increasing the continuous rating of said motor without increasing the size thereof comprising means for absorbing the heat generated by the losses of said motor by a refrigerant and transferring it to the frame of said locomotive, including a duct extending along the outside of said motor casing and serving as an evaporator or expansion chamber, a compressor for circulating a refrigerant through said duct and condenser coils mounted on and having engagement with said frame to transfer the heat in said refrigerant to said frame.

2,260,361
UPHOLSTERY MACHINE
Cecil Anderson Boyd, Rochester, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application February 18, 1938, Serial No. 191,161
3 Claims. (Cl. 112—2)



3. In an apparatus for attaching fabric material to panelling material, a pair of transversely spaced longitudinally extending conveyor elements positioned to receive said material, means to drive the conveyor elements in unison to move said material forwardly, a gauge bar extending longitudinally of the conveyor elements and positioned to engage the edge of a piece of said material, a pair of transversely spaced upper conveyor elements, means to drive the upper conveyor elements at substantially the same speed as said conveyor elements, the upper conveyor

elements having their ends which first engage the material staggered longitudinally and cooperating with the conveyor to successively move said material forwardly, a guide bar on the opposite side of the conveyor elements from the gauge bar and spaced above the conveyor, the guide bar extending longitudinally of the conveyor intermediate the ends of the upper conveyor elements which first engage the material, and means for attaching the fabric material to the panelling material.

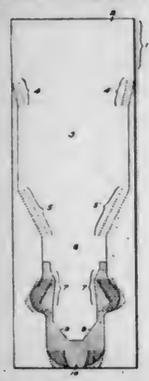
2,260,362

RUNPROOF OR RUN-RESISTANT FLAT-KNIT STOCKING AND BLANK THEREFOR, AND METHOD OF MAKING SAME

Ellsworth E. Carlson, Saratoga Springs, N. Y., assignor to Van Raalte Company, New York, N. Y., a corporation of New York

Original application October 26, 1939, Serial No. 301,446. Divided and this application March 21, 1940, Serial No. 325,166

3 Claims. (Cl. 66—178)



1. A knitted blank for a non-run or strongly run-resistant, flat-knit stocking consisting of knitted needle loops and sinker loops, all of said needle loops having the accurate measurement of full-fashioned knitting, said blank being knitted of a weft thread or threads knitted by accurate needle loop measurement into all the loops of each course of said blank and of a separate coknitted warp thread in substantially each needle wale of said blank, so as thereby to render the resulting fabric non-run or strongly run-resistant, the said blank having foot, heel and toe portions knitted integrally therewith as a continuation of said blank and wherein the respective warp threads are also present in each needle loop, the said blank in the leg portion thereof, and also in the heel and toe portions, in each of a multiplicity of courses having needle loops containing both warp and weft threads transferred inwardly from points at and ranging inward from substantially the ultimate lateral, longitudinal edges of said blank, thereby resulting in the corresponding shifting or positioning of the thereafter-knitted portions of the needle wales wherein said transferred needle loops exist; the number of such laterally transferred needle loops comprising each course-group in the leg portion constituting a substantial multiplicity of transferred loops but being markedly less in number in each course-group than the number of the said laterally transferred loops comprising course-groups of stitch transferrings in the toe portions of the said blank, thereby increasing the elasticity of the resultant fabric and particularly the lateral elasticity thereof in the vicinity of the knee portion, as compared with an otherwise like-knitted stocking blank of equal dimensions and like material.

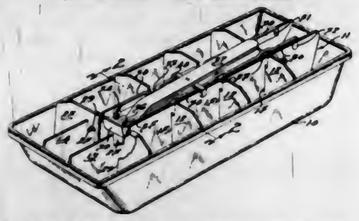
2,260,363

AUTOMATIC ICE TRAY

Clifford R. Carney, Detroit, Mich.

Application June 17, 1940, Serial No. 340,905

15 Claims. (Cl. 62—108.5)



1. An ice tray and grid structure which comprises an ice tray, a grid in said tray comprising a pair of angularly inclined longitudinal members and a plurality of substantially upright transverse members, said grid members being mounted with respect to each other so that said longitudinal members are movable in a lateral direction relative to the tray and one of said transverse members is movable in a longitudinal direction relative to the tray while the remainder of said transverse members are relatively immovable, actuating members associated with said longitudinal members for moving said movable grid members, and a lever carried by said longitudinal members for operating said actuating members to move said longitudinal members, said lever having connections effective to move said transverse member.

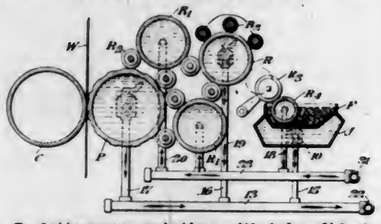
2,260,364

INK DISTRIBUTION SYSTEM

Lynn B. Case, New Brunswick, N. J., assignor to John Waldron Corporation, New Brunswick, N. J., a corporation of New Jersey

Application May 18, 1940, Serial No. 335,924

8 Claims. (Cl. 101—216)



1. In letterpress printing with ink solid at normal pressroom temperature and liquid at elevated temperature wherein the ink is liquefied by heating, supplied from a fountain and transferred in film form to a hollow printing cylinder by a distribution system including a plurality of hollow rollers, the method which comprises recirculating a definite volume of liquid in heat exchange relation to the ink fountain and through said rollers and cylinder in parallel streams with the direction of liquid flow alternating in the rollers and cylinder in the order of contact by the ink film, maintaining said liquid at sufficient pressure that its boiling point exceeds the printing temperature of the ink, heating said liquid to a temperature exceeding the printing temperature of the ink and exceeded by the boiling point of the liquid, controlling the outflow of liquid from said rollers and cylinder to maintain therein a body of liquid in contact with entire inner surfaces of said rollers and cylinder, and regulating the flow rate through said rollers and cylinder to maintain heat balance therein with not more than 10° F. differential between the inlet and outlet ends thereof.

5. In a printing press comprising a hollow printing cylinder, an ink furnisher, means including hollow metal rollers for conveying an ink film from said furnisher to said cylinder and a system for circulating liquid through said furnisher, rollers and cylinder; a closed tank containing a body of liquid, means for heating said body of liquid, a pump and manifolds connecting said tank with said ink furnisher, rollers and cylinder for recirculating liquid from said tank in parallel streams in opposite directions through alternate members of said ink furnisher, rollers and cylinder back to said tank to effect uniform lateral distribution of heat in said film, and means for controlling flow through said rollers and cylinder to maintain constant positive pressure therein exceeding the pressure beyond the outlets therefrom.

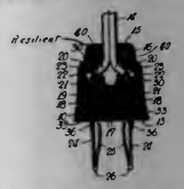
2,260,365

ELECTRICAL PLUG CONNECTOR

Harry Charmoy, Long Island City, N. Y., assignor to Hatfield Wire & Cable Co., Hillside, N. J., a corporation of New Jersey

Application March 18, 1938, Serial No. 196,632

21 Claims. (Cl. 173—361)



1. As an article of manufacture, an electrical terminal piece, adapted to be embedded in the pre-formed recess of a one-piece pre-molded resilient plug body, and comprising a strip-like member having a main backing section, a section at one end thereof reversely bent to provide with said backing section a double ply root having a bent double ply end for anchoring engagement in such recess, and a section at the other end of said backing section reversely bent to form a spring finger extending along the length of said backing section, said spring finger and the opposed portion of said backing section being adapted to extend beyond the face end of such plug body to form a contact prong, the free ends of said reversely bent sections extending to near the corresponding portion of said backing section and being spaced apart.

2,260,366

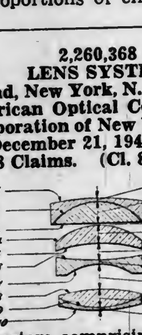
REAMER

William L. Childs, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas

Application March 12, 1940, Serial No. 323,497

2 Claims. (Cl. 255—73)

1. In a reamer construction, a reamer body having a major recess in its outer surface and a smaller auxiliary recess at each end of said major recess, each of said auxiliary recesses being tapered in the same direction longitudinally with respect to said body, and a correspondingly tapered block in each of said auxiliary recesses, a reamer cutter shaft extending between said blocks and through said major recess, a cutter rotatably carried by said shaft within said major



recess, said body having aligned openings on opposite sides of one of said auxiliary recesses adjacent the end of the block therein, and a tapered pin engaging said openings and said block to urge both blocks in a direction to cause them to tightly engage said auxiliary recesses.

2,260,367

TREATMENT OF SUBSTANTIALLY SOLID RESINOUS LINEAR CONDENSATION POLYMERS

Archie L. Dubeau, Lewiston, and James Douglas MacMahon, Niagara Falls, and George P. Vincent, New York, N. Y., assignors to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia

No Drawing. Application June 23, 1939, Serial No. 280,816

10 Claims. (Cl. 260—78)

1. In the processing of a substantially solid resinous body composed of a synthetic linear condensation polymer capable of being drawn into relatively pliable strong fibres showing by characteristic X-ray patterns orientation along the fibre axis, said polymer being a polyamide derived from a diamine and a dibasic carboxylic acid, the improvement which comprises increasing the amenability of the body to dyeing by subjecting it to the action of an aqueous solution containing substantial proportions of chlorite ions.

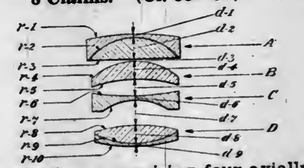
2,260,368

LENS SYSTEM

Milo A. Durand, New York, N. Y., assignor to C. P. Goerz American Optical Company, New York, N. Y., a corporation of New York

Application December 21, 1940, Serial No. 371,137

8 Claims. (Cl. 88—57)



1. A lens system comprising four axially symmetrical components axially air spaced apart, the outer components being convergent and comprising two cemented elements, the outermost of said elements of the two components being di-

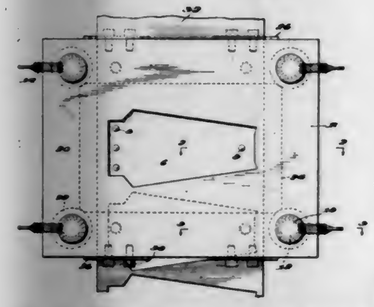
vergent meniscus lenses concave toward the interior of the system, and the two inner components being simple lens elements, the second component being a converging meniscus lens and the third component being a double concave diverging lens with its most deeply curved surface concave toward the rear component of the system.

2,260,369
PORTABLE STRUCTURE
Arthur Ebenhack, Chillicothe, Ohio
Application November 19, 1940, Serial No. 366,211
11 Claims. (Cl. 189—2)



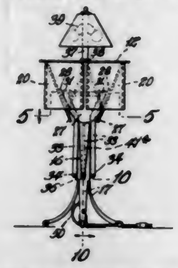
1. A portable structure comprising a pair of towers and a pair of roof supporting girders pivotally attached thereto by a cantilever and a control lever, whereby as the towers are swung about a fulcrum intermediate their ends from a horizontal to a vertical position the roof supporting girders will be elevated therewith to an intermediate position, where, upon a pivotal connection being made between adjacent ends of the girders, continued movement of the towers to a vertical position will move the girders to final elevated position.

2,260,370
DIE MECHANISM
Allen Curtis Ferguson, Lutherville, Md., assignor to The Glenn L. Martin Company, Baltimore, Md.
Application May 28, 1941, Serial No. 395,509
6 Claims. (Cl. 164—29)



1. Die mechanism comprising an anvil having a smooth face, a carrier movable towards and from said anvil face, said carrier having a punch protruding from its face adjacent said anvil face, a die having an opening therein mating with said punch, means mounting said die on the carrier between the anvil and carrier for movement towards and from the punch, resilient means urging said die away from the punch, said die being normally spaced from the punch to allow the introduction of a body of material therebetween, said die being engageable with the anvil face to be moved over the punch when the carrier is moved towards the anvil to punch a blank from such material.

2,260,371
AUTOMATIC FOLDING TABLE
Charles Forsberg, St. Louis, Mo.
Application December 5, 1938, Serial No. 243,967
2 Claims. (Cl. 311—2)



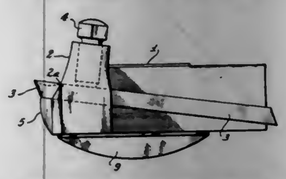
1. A table having downwardly swingable table top sections, a tubular support for the table, and means slidable in said support and having engaging cooperation with certain of said sections for elevating and lowering said sections, said means comprising a post slidably mounted in said support and tapered on its inner end and having its outer end extending above the table top, a spring actuated slidable element mounted on the inner end of said post and tapered on one end, rods connected at one end to certain of said sections and at their other ends to said element, and locking plungers for said element adapted to be released by the tapered ends of said post and said element respectively.

2,260,372
SLIDE-FASTENED KNITTED CUFF CLOSURE
Carl S. Fowler, Philadelphia, Pa., assignor to Talon, Inc., a corporation of Pennsylvania
Application September 5, 1940, Serial No. 355,493
12 Claims. (Cl. 2—270)



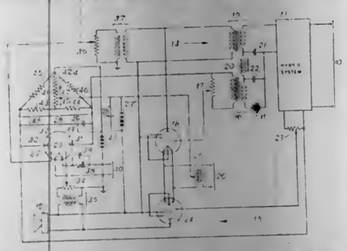
1. In a garment, a lined limb portion having a slide-fastened knitted cuff closure comprising an outer wall of garment material, a lining wall inside said outer wall, a double walled knitted cuff having its outer and inner walls connected by seams to the lower edges of said outer and lining walls respectively, the raw edges of said last-named seams being disposed between said outer and lining walls, said limb portion having a closure opening extending throughout the length of said cuff and therebeyond, and a slide fastener in said closure opening having its stringer tapes sandwiched and stitched between the walls of said cuff, and between said outer wall and said lining wall.

2,260,373
OFFSET TURNING TOOL
Edward F-G. Gibbs, Detroit, Mich.
Application September 2, 1938, Serial No. 228,153
5 Claims. (Cl. 29—96)



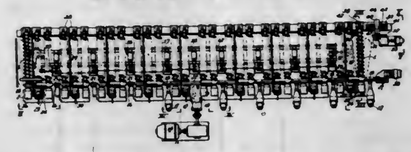
1. An off-set turning tool comprising a tool shank having an integral head projecting laterally from the side of said shank at the forward edge thereof, said head being provided with means for detaching and supporting a tool bit therein, a tool bit mounted within said means with its cutting edge located substantially in the vertical plane that passes through the longitudinal center line of said shank.

2,260,374
TRANSMISSION SYSTEM
Turner W. Gilman, Oak Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application August 14, 1939, Serial No. 290,089
11 Claims. (Cl. 179—170)



1. In a transmission system, a pair of channels for transmitting signal currents in different directions, electron discharge means including two space current paths and control electrodes for controlling the resistance of said paths, a control circuit including two parallel current paths each including a control section and one of said space current paths connected in series circuit relationship, means including a resistor commonly included in said parallel space current paths for varying the current traversing each of said control sections inversely in accordance with the resistance of the serially related space current path and directly in accordance with the resistance of the other space current path, means coupling said control electrodes to said channels so that the resistance of one of said space current paths is substantially changed when signal currents traverse one of said channels and the resistance of the other of said space current paths is substantially changed when signal currents traverse the other of said channels, means controlled in accordance with the current traversing one of said control sections for controlling the signal current transmission efficiency of said one channel, and means controlled in accordance with the current traversing the other control section for controlling the signal current transmission efficiency of said other channel.

2,260,375
STRAIGHTENING MACHINE
Benjamin P. Hazeltine, Wheeling, W. Va.
Application May 14, 1941, Serial No. 393,345
14 Claims. (Cl. 153—54)

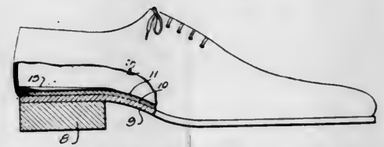


1. A machine for straightening cylindrical blanks, comprising a plurality of laterally spaced screw flights disposed in a common plane, said flights being formed to receive a blank transversely thereof and to engage it on opposite sides at longitudinally spaced points, means for rotating said screws to rotate and straighten the blank while conveying it longitudinally of the screws, and means for swinging the screws on axes perpendicular to said plane to position said flights for receiving and straightening blanks of larger or smaller outside diameter.

2,260,376
METHOD OF PREPARING β(o-METHYL PHENOXY) β'THIOCYAN ETHYL ETHER
Oscar F. Hedenburg, Pittsburgh, Pa., assignor to Rex Research Corporation, Toledo, Ohio, a corporation of Delaware
No Drawing. Application June 27, 1938, Serial No. 216,069
2 Claims. (Cl. 260—454)

2. The method herein described of preparing a βphenoxy β'thiocyan ethyl ether in which a hydrogen of the phenyl group is substituted by the methyl group which consists in reacting β-phenoxy β'chlorethyl ether in which a hydrogen of the phenyl group is substituted by the methyl group with a thiocyanate in the presence of a secondary amine.

2,260,377
HEEL BONE POCKETING ACCESSORY FOR SHOES
Carl W. Herbst, Milwaukee, Wis.
Application April 29, 1939, Serial No. 270,712
5 Claims. (Cl. 36—71)



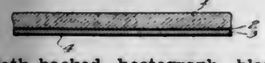
1. A heel socketing accessory for shoes comprising an appliance having a central depression and an upper surface whereof all portions except the extreme forward marginal portions slope toward said depression from all sides thereof, said last mentioned portions sloping forwardly, said appliance conforming in its longitudinal and lateral dimensions to the heel seat portion of a shoe, said appliance comprising elements laterally adjacent said depression at opposite sides thereof and having complementarily beveled portions extending about said depression at the rear thereof and adjustably overlapped, whereby to permit of variation in the spacing of said elements from each other.

2,260,378
SLIDE BUCKLE
Walter W. Hoffland, Glendo, Wyo., assignor to The Waterbury Buckle Company, Waterbury, Conn., a corporation of Connecticut
Application April 19, 1940, Serial No. 330,442
12 Claims. (Cl. 24—196)



4. A slide-buckle including in combination: a body-member having a front face for gripping engagement with the free end of a strap, the said body-member also having two rearwardly-facing camming-surfaces, one of which is located adjacent each side of the said body-member and which is inclined with respect to the front face thereof in a direction lengthwise of the body-member; and a gripping-member having a gripping-bar extending transversely across the front face of the said body-member in forwardly-spaced relationship thereto to provide a strap-passage between its rear face and the opposed front face of the said body member, the said gripping-member also including two rearwardly-projecting arms one of which extends rearwardly from each end of the said gripping-bar and along the side edge of the said body-member, each of the two said rearwardly-projecting arms of the gripping-member being formed at its rear with an inwardly-projecting portion providing a forwardly-facing camming-portion engaging with the adjacent one of the two rearwardly-facing camming-surfaces of the said body-member to effect the rearward movement of the gripping-bar of the gripping-member with respect to the front face of the body-member to clamp a strap against the latter as the said gripping-member is moved longitudinally of the said body-member.

2,260,379
HECTOGRAPH BLANKET AND METHOD OF PREPARING SAME
William Hoskins, Jr., La Grange, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application March 6, 1939, Serial No. 260,012
3 Claims. (Cl. 41—31.6)



1. A cloth-backed hectograph blanket, the backing comprising cotton cloth coated with a composition of glue and an aldehyde tanning agent, the aldehyde tanning agent being present in excess of the amount required to completely tan the glue.

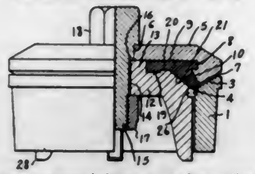
2,260,380
ACCELERATOR OF VULCANIZATION
Paul C. Jones, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application May 22, 1940, Serial No. 336,580
3 Claims. (Cl. 260—302)

2. Reaction products of formaldehyde and a compound having the structural formula

$$R_1—S—CH_2—\underset{\displaystyle H}{N}—R_2$$

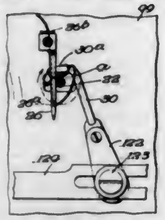
wherein R_1 represents an organic radical having the free valence on a carbon atom, and R_2 represents a hydrocarbon group.

2,260,381
VALVE ASSEMBLY
Louis H. Kennon, Houston, Tex.
Application December 19, 1938, Serial No. 246,612
6 Claims. (Cl. 251—127)



2. A valve comprising a valve disc having a marginal annular face and an inwardly facing annular groove on one side, a clamp plate fitted against said side of the disc and having a central boss abutting the disc and an annular groove around the boss, a resilient seal ring clamped between said disc and plate with a marginal rib in said groove of the disc and compressed into the groove of said plate, said seal ring having an annular flexible rounded lip whose free margin protrudes beyond said face.

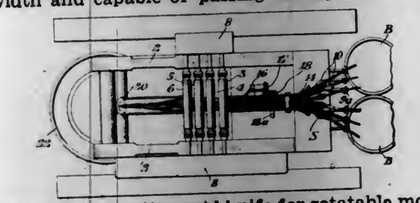
2,260,382
MULTINEEDLE SEWING MACHINE
Harold Kibitz, Adolph C. Suchy, and Joseph W. Droll, Chicago, Ill., assignors to J. W. Droll Company, Chicago, Ill., a corporation of Delaware
Application August 1, 1938, Serial No. 222,400
2 Claims. (Cl. 112—200)



1. In a multiple needle sewing machine, the combination of a bed for the work, a plurality of stitching mechanisms each comprising a reciprocating needle and a thread-carrying looper mounted to swing into and out of a loop of needle-thread on the needle and for reciprocating movement from one side to the other of the needle, mechanism for relatively and conjointly moving the stitching mechanism and the work in different directions to produce an ornamental design of stitching, retainer devices associated with the loopers, respectively, and movable in a plane between the work and the looper and substantially parallel to the plane of the work, and mechanism for moving said devices so their operative ends will move in a completely circular path transversely of and across the needle path and to hold thread-triangles of looper-thread and engage the needle thread during the relative movements of the work and the stitching mechanisms in opposite directions.

2,260,383
APPARATUS FOR PRODUCING SLIVERS
John Killars, Jr., Greenville, S. C., assignor, by mesne assignments, to Fibres Associates, Inc., a corporation of New York
Application August 26, 1938, Serial No. 226,866
2 Claims. (Cl. 19—150)

1. Apparatus for the continuous conversion of continuous threads into spinnable slivers or yarns of non-continuous parallel fibers, comprising feeding means for said continuous threads, a supporting base or plate over which said threads move, a slot in said base or plate, a revolving knife having substantially greater length than width and capable of passing through said slot,

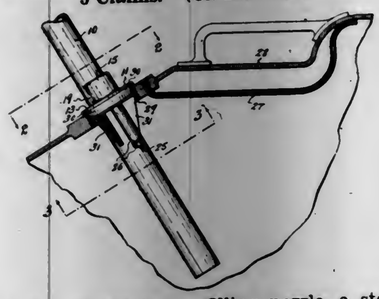


means for mounting said knife for rotatable moving, so that it moves through the path of said threads and said slot obliquely to the longitudinal axis of the threads and a series of drafting rollers withdrawing the cut fiber pieces from the cutting knife without disturbing their parallel position and simultaneously drafting them into a spinnable sliver or yarn.

2,260,384
HYDROXY-ALKYL AMINE CONDENSATION PRODUCTS
Wolf Kritchevsky, Chicago, Ill.
No Drawing. Application September 11, 1939, Serial No. 294,301
12 Claims. (Cl. 260—469)

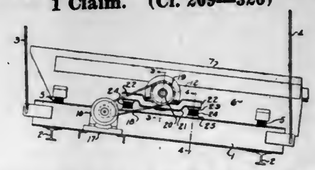
3. The process for the manufacture of dispersing agents which comprises condensing a member of the group consisting of secondary and tertiary hydroxy-alkyl amines containing at least two hydroxy groups with a member selected from the group consisting of aromatic and hydroaromatic acid acylating compounds.

2,260,385
AUDIBLE SIGNAL LIQUID LEVEL INDICATOR
Howard C. Krone, River Edge, and William Meyer, East Orange, N. J., assignors to A. W. Wheaton Brass Works, Newark, N. J., a corporation of New Jersey
Application May 7, 1941, Serial No. 392,264
5 Claims. (Cl. 116—109)



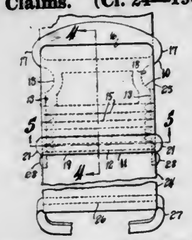
1. In combination, a filling nozzle, a stopper body through which the filling nozzle extends in fixed connection therewith, said stopper body being adapted to close a container filling opening against air egress when said filling nozzle is inserted therethrough, and an audible signal means carried by said stopper body, said signal means including an inverted U-shaped passage initially open at both ends to the interior of said container, said passage having in one leg a whistle means and having an extension connected with its other leg provided with air admission means subject to be closed by rising liquid delivered into said container, whereby to trap a vibrating column of air within said U-shaped passage to thereupon render said whistle means operative.

2,260,386
SCREENING APPARATUS
Karl Krohn, Lakewood, Ohio, assignor to The W. S. Tyler Company, Cleveland, Ohio, a corporation of Ohio
Application May 20, 1939, Serial No. 274,759
1 Claim. (Cl. 209—326)



In screening apparatus of the character described, a main frame, a screen body, a shaft having eccentric portions adapted to gyrate said body upon rotation of said shaft, and journal portions, the mass of the screen body being so proportioned that at normal operative speed the axes of the journal portions are coaxial with the axis of revolution of said shaft, and means for resiliently supporting said shaft by its journal portions, said means comprising members having end portions spaced from said frame and resilient means interposed between said end portions and said frame, said resilient means providing a means for the escape and absorption of vibrations resulting from inaccuracies in the balancing of the screen body, or due to the load of material which is being screened.

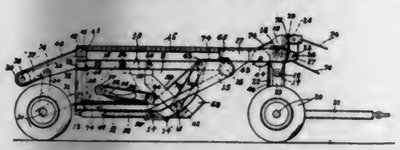
2,260,387
SLIDE BUCKLE
Jerome R. La Vigne, Waterbury, Conn., assignor to The Waterbury Buckle Company, Waterbury, Conn., a corporation of Connecticut
Application June 5, 1940, Serial No. 338,864
2 Claims. (Cl. 24—196)



1. A slide-buckle assembly including in combination: a body-member having a front-panel for gripping-engagement with the running-portion of a strap and having a transverse strap-receiving slot in its upper portion, the said body-member also including two longitudinally-tapered side-flanges respectively projecting rearwardly from the opposite sides of the said front-panel and having their rear faces each providing a rearwardly-facing camming-surface inclined downwardly and rearwardly away from the strap-receiving slot in the said body-member in a direction longitudinally thereof; a gripping-member of loop-like form having a gripping-bar extending transversely across the front face of

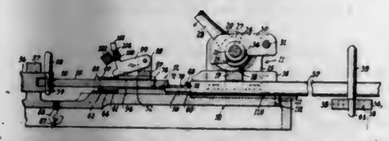
the front-panel of the said body-member and a strap-attaching bar extending across the rear of the said body-member in engagement with the inclined rear edges of the said side-flanges thereof, the said gripping-member also including two side-bars interconnecting the said gripping-bar and the said strap-attaching bar, and the median planes of said side-bars, gripping-bar and strap-attaching bar in a direction substantially at right angles to said front-panel, substantially lying in a common plane; and a strap having an end looped around and attached to the strap-attaching bar, and said strap depending from the strap-attaching bar of the said gripping-member and reversely looped and having a running-portion extending upwardly between the front face of the front-panel of the said body-member and the gripping-bar of the said gripping-member and also extending upwardly and then rearwardly through the strap-receiving slot in the upper portion of the said body-member.

2,260,388
SCRAPER
Charles Le Bleu, Los Angeles, Calif.
Application February 6, 1939, Serial No. 254,851
14 Claims. (Cl. 37—126)



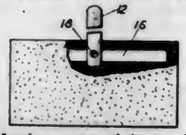
3. In a scraper, a wheel supported frame, a transverse scraper blade supported on said frame, a main bowl, means pivotally supporting said main bowl on said frame in a position behind said scraper blade to receive material scraped up thereby, an auxiliary bowl disposed forwardly of said scraper blade and arranged relative thereto to be loaded in conjunction with said main bowl, both bowls being adapted to dump material directly onto the ground at their rear ends, and means applied to said bowls to cause the same to dump in predetermined order.

2,260,389
MACHINE FOR FORCING FITTINGS INTO THE ENDS OF WOODEN BARS
Hans K. Lorentzen, Montclair, N. J., assignor to Lorentzen Hardware Mf'g. Corp., New York, N. Y., a corporation of New York
Application April 22, 1939, Serial No. 269,405
13 Claims. (Cl. 1—1)



1. A machine of the type described, comprising a support for a wooden bar, a stop adjacent said support, yieldable guide means associated with said stop for aligning bars of different widths relative to said stop, means for clamping one end of a bar substantially immovable relative to said support, and means adjacent said clamping means for forcing a fitting into the clamped end of such bar.

2,260,390
SPONGE RUBBER BRUSH
Irvin H. Lorenz, Arlington, Calif.
Application March 15, 1940, Serial No. 324,164
1 Claim. (Cl. 15—244)

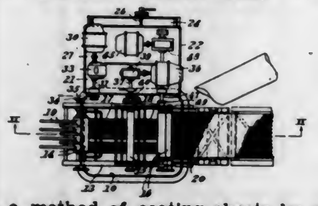


A cleaning device comprising a basic reenforcing element, said reenforcing element being a single strip of material folded in U shape, the ends of the U pressed together whereby a beaded top remains, a handle having a slot therein mounted on this basic reenforcing element with the bead at the top, fastening means between the reenforcing element and the handle, a piece of sponge rubber folded in U shape over the bead of the reenforcing element and around the handle, the inner faces of the sponge rubber cemented to the reenforcing element and to each other, the sponge rubber extending beyond the ends of the reenforcing element whereby no hard surface is exposed.

2,260,391
CYCLIC PROCESS FOR PRODUCTION OF ANHYDRIDES OF CARBOXYLIC ACIDS
Aylmer H. Maude and Sidney G. Osborne, Niagara Falls, N. Y., assignors to Hooker Electrochemical Company, New York, N. Y., a corporation of New York
No Drawing. Application June 30, 1939, Serial No. 282,148
13 Claims. (Cl. 260—548)

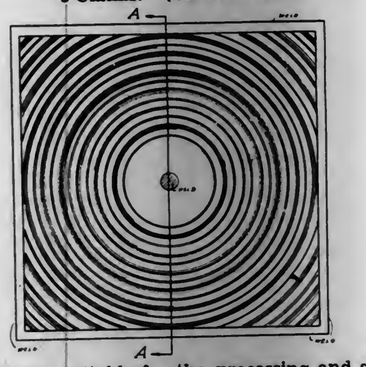
1. The process for production of anhydrides of unsubstituted monobasic carboxylic acids from the aqueous carboxylic acid which comprises preparing by reaction with said acid a carboxylate of the group consisting of the corresponding carboxylates of barium and zinc, dehydrating said carboxylate and reacting the dehydrated carboxylate with a chlorsulphonate of the group consisting of the inorganic chlorsulphonates which in solution form alkaline cations.

2,260,392
METHOD FOR COATING SHEETS
Donald A. McArthur, Warren, Ohio, assignor to The Wean Engineering Company, Inc., Warren, Ohio, a corporation of Ohio
Application May 6, 1940, Serial No. 333,476
3 Claims. (Cl. 91—70.2)



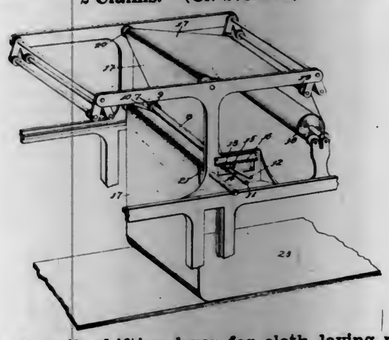
2. In a method of coating sheets by passing them successively through a galvanizing bath, between entry rolls thereabove and bottom rolls and exit rolls immersed therein, the steps including driving all said rolls at substantially the same peripheral speed, and upon the cobbling of a sheet between the bottom rolls and the exit rolls, stopping said bottom and exit rolls and reversing them to return the leading edge of the sheet nearly to the bite of the bottom rolls, then driving the entry rolls in a direction opposite that in which they are normally driven, while holding the bottom rolls stationary thereby pulling the sheet taut between the entry and bottom rolls to remove any buckle therefrom, and then again driving all the rolls in such direction as to feed the sheet forward through the machine.

2,260,393
CORRUGATED PANELS FOR LININGS FOR VESSELS
Jeremiah McCarthy, Bayonne, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application June 9, 1939, Serial No. 278,247
3 Claims. (Cl. 220—63)



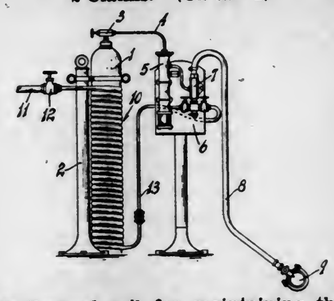
1. Vessel suitable for the processing and storage of corrosive liquids comprising a metal vessel having attached to the inner surface of the same a plurality of corrosion-proof panels, said panels having edge to edge attachments with one another and with the vessel, said panels also being attached to the vessel at a central point of the panel and being further characterized by having a plurality of concentric circular corrugations extending from the central point to the outer edges of the same.

2,260,394
CLOTH SHIFTING LEVER FOR CLOTH LAYING MACHINES
Henry F. Meyer, St. Louis, Mo.
Application September 7, 1940, Serial No. 355,772
2 Claims. (Cl. 270—31)



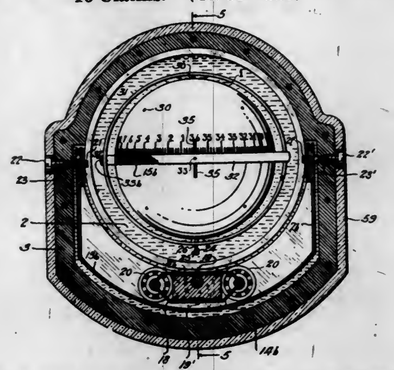
1. A cloth shifting lever for cloth laying machines comprising a lever mechanism operating in combination with a cloth laying machine, said lever comprising a roller, a shaft supporting the same, said shaft pivotally mounted at one end to the machine frame, a handle on the free end for manipulating the lever, and a latching means for locking the shaft when in horizontal adjusted position.

2,260,395
THERMAL COIL FOR GAS TANKS
John R. Mudge, Los Angeles, Calif.
Application July 31, 1939, Serial No. 287,430
2 Claims. (Cl. 62—1)



1. A thermal coil for maintaining the temperature of a chlorine tank, comprising a pipe coil surrounding the tank on the outside thereof, intake and outlet pipes on said coil, an injector connected to the chlorine tank, an injector pump on the injector, the outlet pipe from the coil extending into said injector pump, to actuate the pump.

2,260,396
DIRECTION INDICATOR
Carl L. Otto, Jr., Garden City, N. Y.
Application February 15, 1939, Serial No. 256,460
16 Claims. (Cl. 33—223)

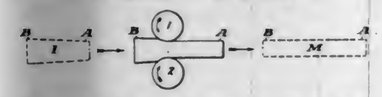


4. A stabilized magnetic direction indicator including a primary strongly magnetic element rotatably mounted around a normally vertical axis to align itself with the horizontal component of the earth's magnetic field, a secondary weakly magnetic element mounted for rotation around a normally vertical axis to orient itself in azimuth by tending to assume a definite position in the magnetic field of said primary element, a liquid-tight housing surrounding said weakly magnetic element, and a damping liquid in said housing within which said weakly magnetic element is immersed and by which its movements are damped.

9. A thermally stabilized direction indicator including a case having a chamber therein for holding a liquid, a rotatably free magnetic direction-sensitive element within said chamber having a slow period of oscillation, a liquid within said chamber surrounding and hydrostatically supporting said element, an electric resistance wire in thermal contact with said liquid, and an electric induction coil equipped with an interrupter and operably connected with said wire and with a source of electric current for supplying said wire with an alternating current of higher frequency than said period of oscillation, for heating said liquid to render stable its hydrostatic support of said element.

14. A direction indicator a direction-sensitive element, means for operably supporting said element including a liquid furnishing hydrostatic support thereto, means for altering the temperature of said liquid, and means responsive to volume changes of said liquid for stabilizing the supporting property thereof by controlling the temperature altering means.

2,260,397
ELECTRICAL STEEL AND METHOD OF MAKING THE SAME
Otho M. Otte, Tarentum, Pa.
Application May 25, 1939, Serial No. 275,696
4 Claims. (Cl. 29—18)



1. A process for producing relatively thin silicon steel having improved magnetic properties, which comprises casting an ingot of steel with the desired silicon content, reducing the metal of the ingot to slab thickness by rolling in a single longitudinal direction by always entering the same end of the metal being rolled into the rolls when obtaining effective elongation, and rolling the slab thus produced to the desired thickness in the same manner, whereby silicon steel in sheetlike form, having all effective elongation in a single sense, is produced.

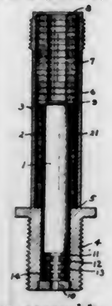
4. A relatively thin strip or sheet of steel containing 3% to 6% silicon, having the grains of metal elongated in a single longitudinal direction, and characterized by the elongated portions of the grains continuously converging toward the ends thereof, and the ends being sharply curved.

2,260,398
TRANSFORMER
Otho M. Otte, Tarentum, Pa.
Application May 25, 1939, Serial No. 275,697
5 Claims. (Cl. 175—356)



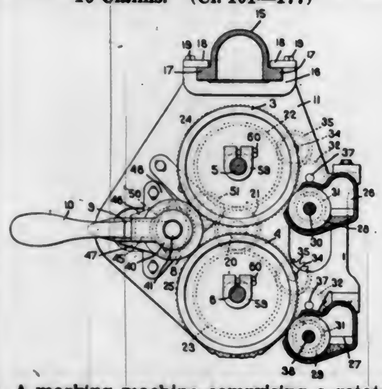
2. A transformer having a core comprising a strip of relatively thin silicon steel wound spirally to form a coil with an opening to receive windings and having the crystal axis orientation grain arrangement and magnetic properties characteristic of silicon steel that has been formed from an ingot by rolling the metal stock in one direction without back and forth rolling.

2,260,399
SPARK PLUG
Melville F. Peters, Beltsville, and Henry K. King, Bethesda, Md.
Application April 19, 1940, Serial No. 330,546
10 Claims. (Cl. 123—169)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A spark plug assembly comprising a central spindle shank, a mica sheath completely enclosing the side walls of said shank, an outwardly flanged head formed on the lower end of said shank, a plurality of ring shaped terminals carried by the lower part of said shank, a plurality of insulating disks separating said terminals and spacing them to form spark gaps between each pair of adjacent terminals, a cone-shaped metal bushing fitted snugly around said mica sheath and against the upper one of said terminals, a metal bushing fitting snugly over said cone-shaped bushing and threaded for connecting said assembly to the cylinder wall of an engine, a column of mica washers fitted snugly around said sheath and down upon the upper surface of said outer bushing and means binding all the above mentioned elements into a compact unit.

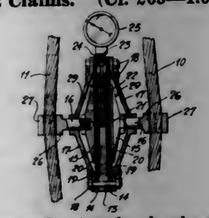
2,260,400
MARKING MACHINE
David F. Putnam and Charles F. Robbins, Keene, and Charles H. Cheeseman, Marlboro, N. H., assignors to Markem Machine Company, Keene, N. H., a corporation of New Hampshire
Application February 3, 1940, Serial No. 317,170
16 Claims. (Cl. 101—177)



1. A marking machine comprising a rotatable

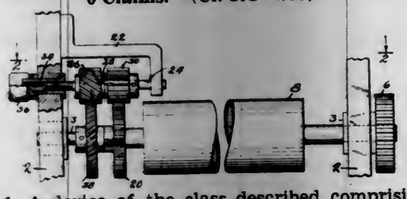
type-carrying member having type characters thereon, means to ink the type characters, a transfer roll, a holder in which the roll is rotatably mounted and which is separable from the machine and is adapted for manual manipulation when removed from the machine, means for removably supporting the transfer roll in the machine in operative position to receive an ink impression from the type-carrying member, means for rotating the type-carrying member, and means for rotating the transfer roll when it is in its operative position, said means including a clutch which becomes automatically coupled when the transfer roll is placed in its operative position, but which permits the transfer roll to be manually removed from the machine and to be manually manipulated to transfer the ink impression to the work.

2,260,401
WEIGHT INDICATOR
Harold A. Raphael, Bellflower, Calif.
Application December 5, 1938, Serial No. 243,907
2 Claims. (Cl. 265—1.6)



1. A weight indicator for load carrying cables comprising a narrow disk having a fluid containing chamber on each of its sides, a transverse bore in the disk connecting said fluid chambers, and a radial bore communicating with said transverse bore, a fluid pressure gauge communicating with said radial bore, a pair of flexible diaphragms on opposite sides of said disk forming the outer ends of said fluid chambers, bonnets on the outer sides of said flexible diaphragms, said bonnets being spaced from said diaphragms near the center of said diaphragms, forming an air space therebetween, a pair of deflection plates mounted in said bonnets and on opposite sides of said disk for movement inwardly against said diaphragms under pressure exerted against said deflection plates, and a stem on each of the deflection plates projecting outwardly through said bonnets to be pressed inwardly as a load is placed on the load carrying cable.

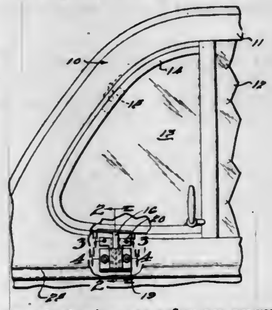
2,260,402
PRINTING MACHINE
Adolph Potdevin, Garden City, N. Y., assignor to Potdevin Machine Company, Brooklyn, N. Y., a corporation of New York
Original application August 20, 1936, Serial No. 96,913. Divided and this application January 28, 1939, Serial No. 253,398
6 Claims. (Cl. 101—248)



1. A device of the class described comprising

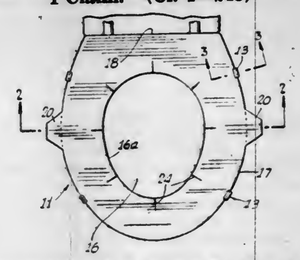
in combination a pair of cooperating rollers providing a printing couple, a drive therefor, including a drive shaft common to both rollers, the drive for one of said rollers including a helical gear carried by said drive shaft and a cooperating helical pinion movable relatively thereto to effect peripheral adjustment of said roller with respect to the other roller of the pair.

2,260,403
MOTOR VEHICLE
Victor Preston, Detroit, Mich., assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich., a corporation of Michigan
Application January 26, 1940, Serial No. 315,674
2 Claims. (Cl. 16—140)



1. Frictional pivot means for an angularly movable window of a motor vehicle door in which said door includes a metal stamping having a window opening formed therein for receiving said window, the combination of an upright pivoting stud projecting into the door stamping, a frictional oilless anti-rattle pivotal connection between the pivoting stud and said metal stamping, said connection comprising a base plate adapted to be carried by the metal stamping, an adjustable plate associated with the base plate, said plates having upright socket portions and laterally extending opposed relatively flat flanges at opposite sides of the socket portions, a non-metallic sleeve of friction material located within the socket portions and interposed between the base and adjustable plates and surrounding said pivoting stud, and manually operable means extending through the flanges of the adjustable and base plates on opposite sides of the stud and sleeve to vary the frictional force exerted by said sleeve.

2,260,404
TOILET SEAT AND COVER THEREFOR
Daniel G. Richardi, Jersey City, N. J.
Application November 1, 1939, Serial No. 302,380
1 Claim. (Cl. 4—243)



In combination, a toilet seat having a plurality

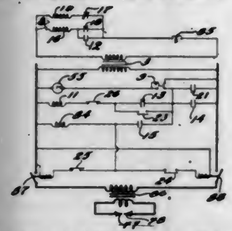
of spaced surface grooves terminating in structurally integral upwardly extending hook members overhanging the edge of the upper surface of the seat, and a toilet seat cover on the toilet seat, said toilet seat cover having a central opening and being formed with a plurality of equiangularly spaced, radial slits extending part of the way outwardly toward the outer circumference of the toilet seat cover, and the outer edge of the toilet seat cover being engaged by the hook members, said toilet seat cover being provided with a pair of oppositely extending integral tabs serving as handles, said toilet seat cover being made of cardboard sheet material.

2,260,405

METHOD AND SYSTEM OF WELDER CONTROL

Frank H. Roby, Milwaukee, Wis., assignor to Square D Company, Detroit, Mich., a corporation of Michigan

Application November 3, 1937, Serial No. 172,586
23 Claims. (Cl. 219—4)



1. The method of electrically welding material by passing current through the material between electrodes pressed thereagainst which comprises initiating the electrode pressure, closing one set of cooperating contacts in the circuit supplying current to said electrode while maintaining the circuit open at a second set of cooperating contacts, closing said second set of contacts a predetermined time interval after initiation of said electrode pressure and substantially at a predetermined point on the supply wave, and opening said one set of cooperating contacts a predetermined time interval after the closing of the second set of cooperating contacts and substantially at a point when the welding current has an instantaneous value of zero.

12. In a welder control system for electrically welding work by passing current therethrough between electrodes pressed against the work, means for applying pressure to the electrodes, serially connected normally open electromagnetically operated contactors for controlling the energization and deenergization of the electrodes, means for energizing one of said contactors, means for energizing the other of said contactors to initiate the welding current, and means for deenergizing said one of said contactors a predetermined time interval after the energization of said second contactor to interrupt the welding current.

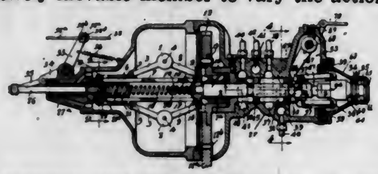
2,260,406

GOVERNOR FOR AUTOMATIC TRANSMISSION

Clifton R. Roche, Los Angeles, Calif.

Application April 23, 1938, Serial No. 203,874
18 Claims. (Cl. 74—336.5)

1. In a centrifugal governor for controlling the transmission mechanism of a fluid-operated motor driven vehicle having a valve for controlling flow of the operating fluid, the combination of a relatively fixed member, a governor weight, a relatively movable member connected with the same and to the relatively fixed member, said weight controlled by the speed of rotation of the governor, means operatable at will for opening and closing the valve and for shifting the position of the relatively fixed member nearer to the relatively movable member to vary the action of



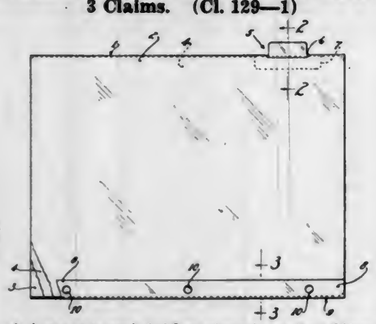
the governor, means controlled by the relatively movable member for controlling the transmission mechanism, and means for resisting the movement of the relatively movable member due to an increase of speed of rotation of the governor, and for returning the said relatively fixed member after the same has been shifted toward the said relatively movable member.

2,260,407

TRANSPARENT FOLDER AND INDEXING MEANS FOR CARRYING LOOSE-LEAF SHEETS

Frank Stanley Schade, Holyoke, Mass., assignor to National Blank Book Company, Holyoke, Mass., a corporation of Massachusetts

Application December 24, 1940, Serial No. 371,531
3 Claims. (Cl. 129—1)



2. A transparent folder structure for filing and indexing purposes comprising a sheet of transparent material folded on itself with the fold at its outer edge, said edge being provided with a relatively short slot through the fold, the ends of the sheet opposite the fold providing the binding margin, an opaque sheet of substantially the same area as the folder tucked inside the fold of the transparent sheet, a transparent index slip-holding device carried at the outer edge of the opaque sheet and extended through the short slot.

2,260,408

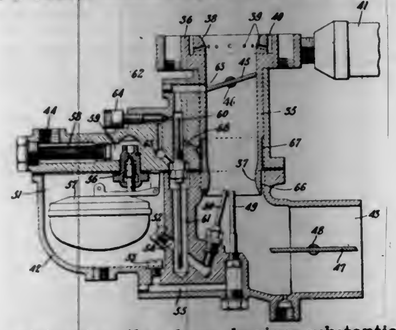
APPARATUS FOR INCREASING ECONOMY OF CARBURETOR ENGINES

Herman C. Seffker, Freeport, N. Y.

Application November 2, 1938, Serial No. 238,475
1 Claim. (Cl. 48—180)

An attachment for internal combustion engines which comprises a sleeve for insertion between the carburetor and manifold, said sleeve having a Venturi passage at its lower end and an outwardly flared portion at its upper end, apertures

arranged in communication with the interior of the sleeve near its upper end, an air inlet valve, and a header connecting said apertures to the



air inlet valve, the sleeve having substantially cylindrical smooth inner walls throughout the distance between the Venturi passage and the outwardly flared portion.

2,260,409

PREPARATION OF MALEIC ACID

Ober C. Slotterbeck, Elizabeth, N. J., and Samuel W. Tribit, New York, N. Y., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application October 4, 1938, Serial No. 233,160
10 Claims. (Cl. 260—533)

1. The process for preparing maleic acid which comprises bringing free oxygen containing gas in excess of that necessary for complete combustion into contact with an oxidizable unsaturated hydrocarbon compound having at least 4 carbon atoms in the molecule, and water vapor normally in excess of that derived from the complete combustion of the said oxidizable unsaturated hydrocarbon over an oxidation catalyst of the class consisting of the oxides and salts of vanadium, bismuth, uranium, tungsten, chromium, manganese, molybdenum, and mixtures thereof, at a temperature of about 250° C. to about 400° C. and recovering the maleic acid from the reaction products.

2,260,410

POLYVINYL ACETAL RESIN SHEETS CONTAINING TRIBUTYL CITRATE

Henry B. Smith, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application February 1, 1938, Serial No. 188,196
2 Claims. (Cl. 260—36)

1. A transparent, rubbery sheet comprising 100 parts of a polyvinyl acetal resin in which a predominating proportion of the acetal groups are butyraldehyde acetal groups, and at least 40 parts, approximately, of tributyl citrate as an elasticizer therefor.

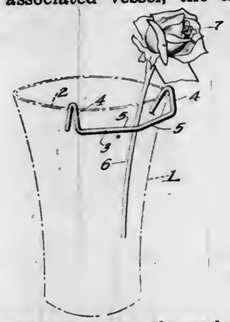
2,260,411

ARTICLE HOLDER FOR DRINKING GLASSES

Marguerite M. Smith, Columbus, Ohio

Application April 24, 1940, Serial No. 331,396
3 Claims. (Cl. 24—3)

3. As a new article of manufacture, a holder for effecting the support of lightweight objects in association with a liquid-holding vessel, said holder comprising a rod-like strip of glass having hook-shaped ends formed to receive the rim portion of an associated vessel, the intermediate



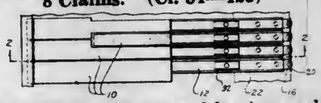
portion of said strip being formed with an eye having the longitudinal axis thereof at right angles to a plane parallel with the edge of the vessel received by said hooks.

2,260,412

KEY ACTION FOR MUSICAL INSTRUMENTS

George H. Stephens, Glencoe, Ill., assignor to Hammond Instrument Company, Chicago, Ill., a corporation of Delaware

Application February 16, 1939, Serial No. 256,681
8 Claims. (Cl. 84—423)



1. In a piano type keyboard having a plurality of playing keys, the combination of a bar secured to each of said keys, a fixed support, and means individual to each of said key bars and keys for supporting the latter for pivotal movement relative to said fixed support, said means comprising a leaf spring extending at substantially a right angle with respect to the axis of said key bar and having its ends secured to said key bar and to said support respectively.

2,260,413

ROLLER SET GAUGE

Auburn Taylor, Charleston, W. Va.

Application October 28, 1939, Serial No. 301,702
4 Claims. (Cl. 33—182)



1. A gauge for setting inking rollers including in combination a blade-like member having a surface against which the inking roller is pressed with a definite pressure, an indexing member movable along the surface and means for spacing the indexing member from the surface to prevent smudging of the impression of the roller on the surface.

2,260,414

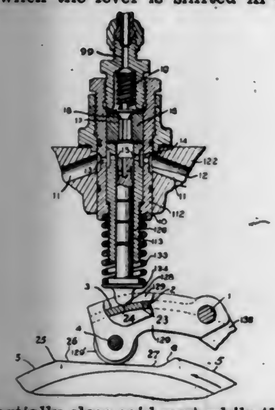
PUMPING MEANS FOR INTERNAL COMBUSTION ENGINES

Feri A. Thaheld, Dallas, Tex., assignor to Guiberson Diesel Engine Company, Dallas, Tex., a corporation of Delaware

Application May 17, 1937, Serial No. 143,138
6 Claims. (Cl. 123—139)

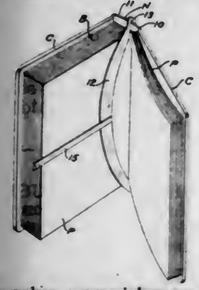
1. In combination, a plunger, a lever having a cam surface contacting the end of said plunger,

the fulcrum of said lever being shiftable towards or away from said plunger, a cam to operate said lever, a pump barrel having an intake port, said cam surface serving as a means to move said plunger when the lever is shifted in one direc-



tion to partially close said port while the plunger is at the bottom of its stroke, the said shifting of said lever serving as a means to delay the timing of the pumping stroke of said plunger, and a spring tending to move said plunger so as to open said port.

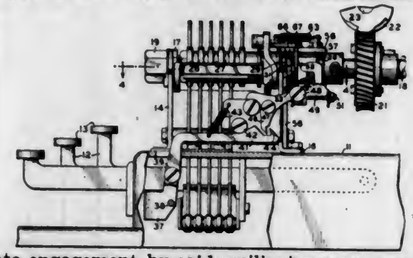
2,260,415
BOOK MARKER
George B. Von Alvensleben, Eureka, Calif.
Application January 15, 1940, Serial No. 313,929
3 Claims. (Cl. 116—119)



1. A book marker comprising an elongated normally flat transversely bow-shaped flexible body portion, and inwardly facing opposed hooks carried by and extending divergently beyond the ends of the body portion for engaging the upper and lower edges of a book backing, the hooks being substantially laterally and longitudinally displaced from the body portion for separation thereof from the book backing through transverse flexing of the body portion, toward said book backing.

2,260,416
CLUTCH DETENT
Rollins Wentworth, Verona, N. J., and Max U. Davis, Lakewood, Ohio, assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application October 25, 1938, Serial No. 236,850
4 Claims. (Cl. 192—24)

1. In a clutch of the type described adapted to make one revolution at a time comprising a driving member and a driven member, engageable surfaces on said driving and said driven members for rotating said driven member with said driving member on engagement thereof, resilient means for initiating the engagement of said engageable surfaces, means for completely engaging said engageable surfaces when initiated



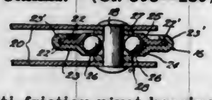
into engagement by said resilient means, means including said last-mentioned means for preventing substantially all rotation of said driven member with respect to said driving member during engagement of said engageable surfaces, and means independent of said last-mentioned means for stopping rotation of said driven member after each revolution thereof.

2,260,417
TREATING FATTY OILS AND THE LIKE
James M. Whiteley, Elizabeth, and Luther B. Turner, Roselle Park, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application March 15, 1938, Serial No. 196,088
16 Claims. (Cl. 252—56)

1. A process for the manufacture of high viscosity products by polymerization of fatty oils and comprising intensively polymerizing unsaturated fatty oils by contacting them at a temperature approximately room temperature with relatively small quantities of boron fluoride acting as a catalyst.

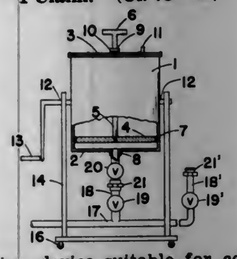
2. A lubricant comprising a mineral lubricating oil and a viscosity-increasing amount of an oil-soluble polymerized fatty oil obtained by treatment of an unsaturated semi-drying fatty oil with boron fluoride at a temperature approximately room temperature.

2,260,418
ANTIFRICTION PIVOT BEARING
Edward E. Woller, Kenosha, Wis., assignor to Simmons Company, New York, N. Y., a corporation of Delaware
Application December 23, 1940, Serial No. 371,250
3 Claims. (Cl. 308—189)



1. In an anti-friction pivot bearing of the class described, the combination with two flat members having overlapping portions, and a stud extending through and pivotally connecting said overlapping portions, of a ball race formed in one of the members encircling said stud, said ball race having opposed outwardly extending sides, a ring of balls in said ball race in rolling contact with said stud, and a washer encircling said stud between said ring of balls and the adjacent side of the other of said members.

2,260,419
SAMPLE CONTAINER
Lawrence S. Wrightsman, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application January 11, 1940, Serial No. 313,393
1 Claim. (Cl. 73—21)



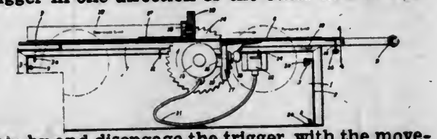
A sampling device suitable for connection to a fluid-carrying conduit comprising, in combination, a cylindrical casing, a pair of axles diametrically projecting from the walls of said casing, a crank handle attached to one of said axles, a frame resting on rollers provided with journals secured to said axles to allow angular movement of said casing, a plunger fitting slidingly within said casing, a seal arranged between said plunger and the interior wall of the casing, a closure secured to each end of said cylinder, passages through one of said closures, a rod projecting through one of said passages and attached to said plunger, a separable conduit provided with a valve on each side of the point of separation attached to the other closure and communicating with the interior of the casing.

2,260,420
COATING COMPOUND
George H. Young, Pittsburgh, Pa., assignor to Stoner-Mudge, Inc., a corporation of Pennsylvania
No Drawing. Application October 15, 1938, Serial No. 235,164
5 Claims. (Cl. 260—84)

3. A thermally stabilized coating compound consisting of a conjoint polymer derived from the simultaneous polymerization of vinyl chloride and a lower aliphatic ester of an acrylic acid, and a heterocyclic nitrogen base stabilizer selected from a group consisting of tripyridyl, isopyrophthalone, α-pyridyl-o-hydroxy phenyl ethylene, stilbazole, α-pyridyl furyl ethylene, α-benzopyridyl-p-chlorophenyl ethylene, quinicine, cinchonicine, α-pyrizyl-o-hydroxy phenyl ethylene, quinine, quinoidine, cinchona febrifuge, chinchonidine, such stabilizer being present in a ratio not to exceed four parts of the stabilizing base to one hundred parts of the first-named substance, the whole being dispersed in a solvent.

2,260,421
PORTABLE TABLE SAW
Mearl V. Tracy, Sacramento, Calif., assignor of one-half to Marion M. Tracy, Pasadena, Calif.
Application April 18, 1938, Serial No. 202,699
1 Claim. (Cl. 143—47)

In a table saw having a motor-driven saw supporting table mounted for movement through a stroke of predetermined length and a switch for controlling the circuit of the motor having a snap-action operating trigger projecting from the switch for movement in a plane lengthwise of the travel of the table; a means to operate the trigger comprising a resilient finger mounted on the table in position to engage and move the trigger in one direction or the other and to then



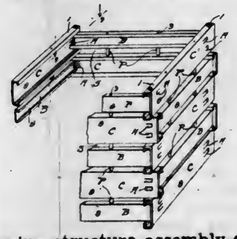
pass by and disengage the trigger, with the movement of the table to a point near but before reaching its limit of movement in one direction.

2,260,422
MILK BOTTLE CREAM SEPARATOR
Harold F. Unsinger, San Francisco, Calif.
Application January 30, 1940, Serial No. 316,356
2 Claims. (Cl. 210—51.5)



1. In a milk bottle cream separator of the type having an elongated rod handle with a flexible disk at one end of a diameter to fit tightly within the tapering neck of the bottle under the cream with the handle projecting out of the mouth of the bottle, the improvement which comprises a venting passage adjacent the center of the disk extending from the under to the upper side of said disk, and a button having a head arranged to bear against the lower side of said disk to close off said venting passage, and the head provided with a shank slidably projecting through said disk and to which shank said handle is connected, said shank being of a length to provide vertical sliding movement of the shank of the button for uncovering said venting passage when the shank is slid downwardly, and means on said shank limiting the downward sliding movement of said handle relative to said disk while maintaining the vent passage open.

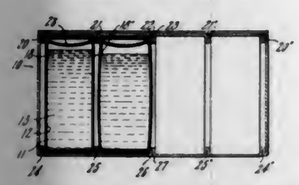
2,260,423
EARTHEN PIT SHORING MEANS
John L. Washbourne, Douglaston, Long Island, N. Y.
Application April 18, 1939, Serial No. 268,461
14 Claims. (Cl. 61—41)



13. A shoring structure assembly comprising a plurality of tiers of beams one above the other, each tier comprising horizontal opposite parallel

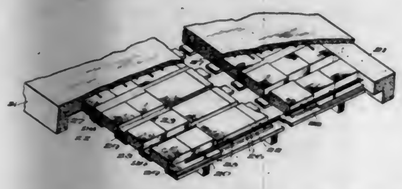
wide beams and intermediate narrow members connecting adjacent ends of said wide beams; each wide beam being disposed above a portion of a beam of the tier next below, and having its ends resting on ends of wide beams; each wide beam comprising an upright web having wide flanges turned laterally toward the opposite wide beam and then inwardly toward each other to form smaller flanges; each lower wide flange resting on an upper wide flange of the wide beam next below; each narrow member comprising a longitudinal flat portion of narrow upright cross section; the ends of said narrow members being disposed between said narrow flanges and substantially against the web of the wide beams; means carried by the end portion of each wide-beam web and engaged with the end portion of the narrow member to prevent their movement longitudinally inwardly of the wide beams.

2,260,424
SHIPPING CASE
Harry F. Waters, New York, N. Y.
Application February 7, 1939, Serial No. 255,029
4 Claims. (Cl. 206—65)



1. A shipping case of the class described comprising, in combination, an outer shipping container, a plurality of packages containing liquid packaged in said container, means located at the top and bottom of said container spacing the packages from each other and from the walls of the container a distance sufficient to permit flexing of the walls of the packages when subjected to external and internal forces, said means each comprising a central panel provided with flanges extending normal thereto embracing the end of the package, the number of said means located at the top and bottom of said container being twice the number of packages packaged in said container.

2,260,425
PLASTIC FLOOR OR ROOF
John J. Widmayer, Washington, D. C.
Application April 21, 1938, Serial No. 203,395
6 Claims. (Cl. 72—66)



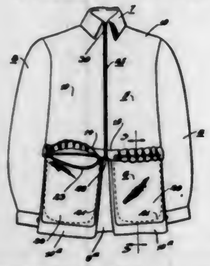
1. A floor comprising parallel rows of blocks all of the faces of which are closed, the blocks being arranged in end to end relation, the rows of blocks being spaced to provide concrete receiving channels therebetween, the blocks being composed of spaced fibers thereby providing surface voids.

2,260,426
JACKET
Perkins H. Bailey, New York, N. Y., assignor to Talon, Inc., a corporation of Pennsylvania
Application May 20, 1938, Serial No. 209,085
1 Claim. (Cl. 2—96)



A jacket having a front opening, a slide fastener for closing the opening, one slide fastener half being attached to one edge of the material adjacent the opening, a relatively wide flap attached to the jacket on the other side of the opening, supplemental means for securing the edge of the flap to the body of the jacket on the opposite side of the opening to conceal the slide fastener, corresponding fastener means for holding the flap in folded back position to the body of the jacket on the same side to which the flap is attached, the slide fastener being exposed in the folded back position of the flap, and a pocket in said jacket provided with an opening on the inner side of said flap, said pocket extending into the body of the jacket beyond the fold line of the flap whereby the pocket is folded over upon itself and the pocket opening is readily accessible when the flap is folded back upon the body of the jacket on the same side to which the flap is attached.

2,260,427
CONVERTIBLE JACKET
Perkins H. Bailey, New York, N. Y., assignor to Talon, Inc., a corporation of Pennsylvania
Application August 26, 1940, Serial No. 354,177
5 Claims. (Cl. 2—94)



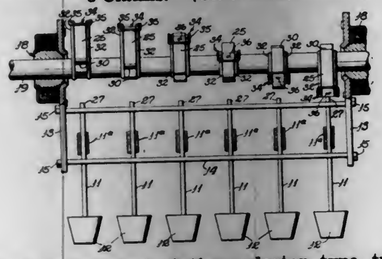
1. A convertible jacket comprising a hip-length garment having a tuck extending thereabout at the waistline and dividing said garment into a body portion and a skirt, a slide-fastened closure extending downwardly to said tuck and including a separating slide fastener with a separating bottom end fitting fixed between the ends of said tuck and supported thereby free of the garment body and skirt, and complementary detachable means on said skirt and the inside of said body portion for retaining said skirt in retracted position inside said jacket to form a waist-length jacket with a slide-fastened closure substantially coextensive with its length and convertible to a hip-length jacket by extension of said skirt.

2,260,428
DISPLAY CARTON
James M. Barr, Medford, and Thomas F. Smallcomb, South Boston, Mass., assignors to Worcester Paper Box Corporation, Medford, Mass., a corporation of Massachusetts
Application May 3, 1938, Serial No. 205,714
3 Claims. (Cl. 206—44)



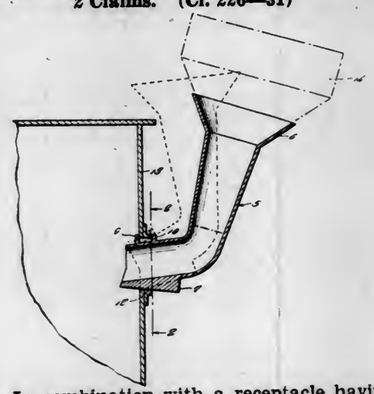
1. A display carton which may be used for shipping as a rectangular parallelepiped and which may be converted into a rhomboidal parallelepiped for the purpose of displaying its contents, said carton comprising front, back, side and bottom walls, the front and back walls being connected by the side and bottom walls, the back wall being integrally connected to the bottom wall along a score line extending throughout the width of the bottom wall, said back wall having also two spaced score lines adjacent to and in spaced parallel relation to the first-mentioned score line, the bottom edges of the side walls being spaced from the bottom wall and extending from the bottom edge of the front wall to the uppermost of the last-mentioned score lines in the back wall, said bottom wall having integral side flaps extending upwardly in contact with the inner side of the respective side walls, each of said flaps having its rear free edge normal to its line of junction with the bottom wall and its front free edge rearwardly inclined from such line of junction, said flaps functioning to support said carton in either its upright or reclined positions.

2,260,429
RADIO TUNER
Edward L. Barrett, La Grange, Ill., assignor to Utah Radio Products Company, Chicago, Ill., a corporation of Illinois
Application May 21, 1938, Serial No. 209,253
6 Claims. (Cl. 74—10)



1. A mechanical station selector type tuner for a radio receiver comprising, in combination, an actuator movable generally rectilinearly and having a recess in its forward end bordered by spaced forwardly projecting portions on opposite sides thereof, an elongated generally flat peripheral cam positioned in front of said actuator and lying in the plane of said projecting portions of said actuator, means for supporting said cam for oscillation in said plane about an axis longitudinally eccentric to the center of said elongated cam and transverse to the path of movement of said actuator and with the outermost end of said cam facing generally away from said actuator and never directly toward the same, means for connecting said cam in driving relation with a tuning element of a radio receiver, and means for moving said actuator toward said cam to cause said projecting portions of said actuator to contact alternative adjacent edges of said cam and push the same around to a predetermined position in which the longitudinal axis of said elongated cam projects away from said actuator in substantial alinement therewith, said cam being provided with inset shoulders on opposite side edges thereof facing generally toward the butt end of said cam and dimensioned to be contacted by said projecting actuator portions to prevent jamming of the actuator against the cam as the latter is pushed through the last 90° of its rotation toward said predetermined position from either side thereof.

2,260,430
FUNNEL
James Blasingame, Joplin, Mo., assignor of one-half to Ralph M. Unland, Joplin, Mo.
Application December 19, 1939, Serial No. 310,051
2 Claims. (Cl. 226—31)

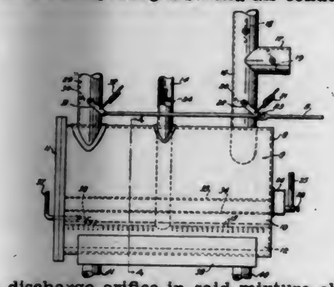


1. In combination with a receptacle having a bung opening therein, a funnel having a laterally extending nozzle end for insertion in said opening, a pair of laterally spaced members on said nozzle at one side thereof for straddling the edge of said opening and interlocking engagement therewith, and a tapered enlargement on the opposite side of said nozzle for wedging engagement with said edge of the opening to frictionally lock the nozzle to said edge.

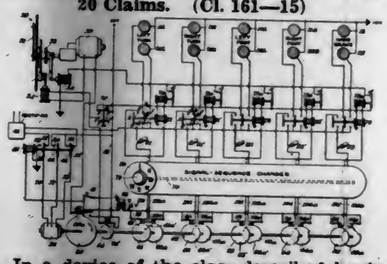
2,260,431
CARBURETING DEVICE
Donat Brasseur, Windsor, Ontario, Canada, assignor of thirty-five per cent to William J. Henderson, Windsor, Ontario, Canada
Application November 8, 1940, Serial No. 364,811
4 Claims. (Cl. 261—47)

1. In an internal combustion engine having an intake manifold, a carbureting device comprising a liquid fuel chamber, means for maintaining a constant level of fuel in said chamber, a fuel mixture chamber in communication with the fuel chamber, a fuel mixture conduit leading from said mixture chamber to the intake manifold, a throttle valve in said fuel mixture conduit, an accelerator rod for actuating said throttle valve,

means for feeding a supply of primary air to said device comprising an air conduit having a discharge orifice in said fuel chamber below the level of the fuel therein, a suction-actuated valve in said air conduit for controlling said air supply, means for feeding an auxiliary supply of air to said device comprising a second air conduit having a discharge orifice in said mixture chamber above the level of the fuel, a valve in said second conduit for controlling said auxiliary air supply, said valve being normally closed, and means including a lost motion connection with said accelerator rod for opening said normally closed valve only after a predetermined opening movement of said throttle valve.

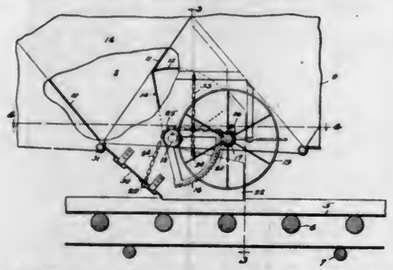


2,260,432
TESTING APPARATUS
Samuel P. Brown, Maplewood, N. J., assignor to Delehanty Institute, Inc., New York, N. Y., a corporation of New York
Application September 14, 1940, Serial No. 356,737
20 Claims. (Cl. 161—15)



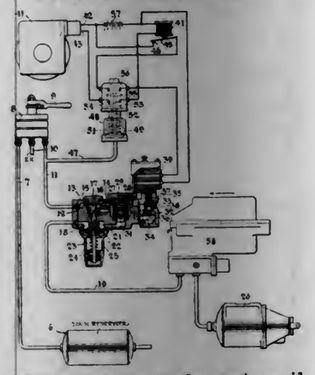
1. In a device of the class described having a plurality of stimuli signals each comprising an alert lamp and a command lamp, a like plurality of manipulative devices required to be operated in response to the said command lamps, and a clock, the combination of a camshaft, a control motor, a number of pairs of cams equal to the said plurality of stimuli signals and manipulative devices, each pair of cams comprising a starting cam provided with a short recess and a holding cam provided with a long recess, a plurality of switches closed by the said starting and holding cams, the said starting and holding cams being mounted on the said camshaft in stepped relation whereby the said plurality of cam switches are sequentially closed, a plurality of signal relays each controlling individual circuits to the alert and command lamps of one pair of stimuli signals, the circuit to the alert lamp being closed, and the circuit to the command lamp being open, in the de-energized condition of the associated signal relay, the said clock having a motor and a clutch-connected hand, a solenoid for operating the clutch, a plurality of relays each in parallel with one of the said plurality of signal relays and connected to the said clock-hand clutch solenoid, a master holding cam on the said camshaft, a control motor relay, a holding switch in circuit with the control motor relay and normally maintained in open condition by the said master holding cam, a manual starting switch adapted to supply current to the said control motor relay and thereby to the said control motor causing the said master holding cam to close the said holding switch whereby current to the control motor is supplied for a complete revolution, the said manual starting switch and the said holding switch being adapted to supply current to the said lamps and relays and to the said clock motor whereby the said plurality of alert lamps are lighted and the clock motor started, a holding circuit associated with each of the said plurality of signal and clock relays, a plurality of normally closed mercoid switches in the said individual holding circuits adapted to be opened by the said plurality of manipulative devices, a signal-sequence changer having a number of selective arrangements of signal sequences interposed between the said plurality of cam switches and the said plurality of signal and clock relays and mercoid switches, the starting cam switches being connected in individual circuits with the said signal and clock relays through the said changer whereby the said relays are energized and their associated command lamps lighted (and the corresponding alert lamps concurrently extinguished) in a sequence depending upon the setting of the said changer, and the said clock solenoid energized to operate the clock-hand clutch, the said holding cam switches being connected in the said individual holding circuits through the said changer whereby the said relays are held energized each for a pre-determined time, to maintain their respective command lamps lighted and the clock clutch solenoid energized for the said pre-determined time, each of the said manipulative devices being adapted to disrupt its associated holding circuit to de-energize the relays thereof and thereby to extinguish its associated command lamp (and to relight the corresponding alert lamp) and to de-clutch the clock hand whereby the latter registers the cumulative time the command lamps remain lighted.

2,260,433
UNLOADING DEVICE
Nathan Cadwell, Port Huron, Mich.
Application June 27, 1939, Serial No. 281,465
1 Claim. (Cl. 221—144)



A loading device comprising a hopper having a discharge opening in the front wall thereof, a closure adapted to close the discharge opening, a substantially long shaft on which said closure is mounted, pulleys mounted adjacent to the ends of said shaft, a drop gate mounted at the discharge end of the hopper, skirt boards pivotally connected to the side edges of said drop gate, a substantially long rod, secured to the drop gate, the ends of said rod extending appreciable distances beyond the skirt boards and terminating directly under said pulleys, operating chains connected to the outer ends of said rod and adapted to move over said pulleys in substantially vertical lines, and means for operating the chains, whereby the drop gate and skirt boards are raised and lowered.

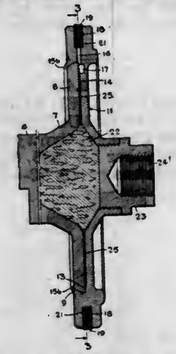
2,260,434
AIR BRAKE
Charles A. Campbell, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application October 23, 1939, Serial No. 300,825
5 Claims. (Cl. 303—21)



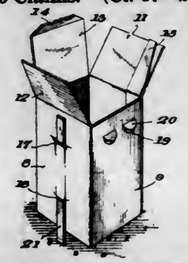
1. In a fluid pressure brake system, the combination of fluid pressure operated brake applying means; an engineer's brake valve for controlling the admission and release of pressure fluid to and from said means; pressure limiting valve means interposed between said brake valve and said brake applying means, responsive to fluid pressure on the side thereof which is toward the brake applying means and serving during such admission to limit the pressure developed in the brake applying means; electric means serving according to whether it is or is not energized to permit or suspend the function of said limiting means; a switch responsive to vehicle speed and arranged to open and close according to change of speed past a definite value; a relay switch including a winding and switch shiftable by the energization and de-energization thereof; a first circuit including the speed responsive switch and the winding of the relay; a second circuit including said electric means and the switch portion of the relay; a source of current for said circuits; and means effective in the release position of the engineer's brake valve to interrupt both circuits.

2,260,435
LUBRICATED PISTON FOR FLUID PRESSURE BRAKES
Charles A. Campbell, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application June 4, 1940, Serial No. 338,797
8 Claims. (Cl. 184—18)

1. The combination with a self-lubricating air brake valve piston of the type having an oil reservoir, and a breather passage between said reservoir and the periphery of the piston for permitting oil conveying air surges to and from said reservoir, of oil feed controlling means comprising a chamber of capillary thickness and substantial width and length forming an intermediate portion of said breather passage, said chamber being thin enough to ensure persistent capillary entry of oil and of sufficient total cross-sectional area to prevent the breathing air from sweeping it free of oil.



2,260,436
PLANT SHIELD OR SHELTER
Bert C. Chambers, Concord, Mass.
Application March 2, 1940, Serial No. 321,961
5 Claims. (Cl. 47—28)



1. A collapsible plant shelter comprising a prism of folded sheet material having vertical sides and a folded top, said prism being transversely slotted on two opposite sides at vertically spaced points, and separate stakes slidably held in said transverse slots, said prism being free for slidable adjustment vertically on said stakes after the latter are set vertically in the ground.

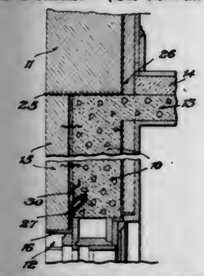
2,260,437
SEAT CUSHION STRUCTURE
Laura A. Chambers, St. Louis, Mo.
Application June 2, 1939, Serial No. 276,938
2 Claims. (Cl. 155—182)



2. A cushion for attachment to a bed pan, toilet seat, chair or like supporting structure comprising a body member, a suction cup, and means detachably connecting said cup to said body member for holding it in a predetermined position thereon between the edges of the member with the suction face of the cup arranged for adhesion to a surface of the supporting structure, the

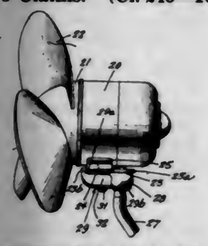
attaching means comprising a pair of crossed straps with their ends secured to the body member, there being overlying openings in the overlapping portions of the crossed straps, and a headed element on the back of the suction cup insertible through said openings and engaging said straps.

2,260,438
WATERPROOFED BUILDING CONSTRUCTION
Allan Cheney, Cynwyd, Pa.
Application December 21, 1938, Serial No. 247,119
18 Claims. (Cl. 72—127)



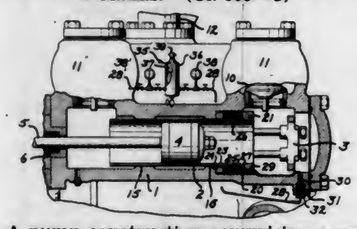
1. A masonry building comprising a spandrel beam, a wall section supported on said spandrel beam, a veneer section overlying the vertical face of said spandrel beam, a layer of mortar between said spandrel beam and said wall and said veneer, a continuous sheet metal throughwall flashing of desired width to extend entirely through said wall embedded in the layer of mortar between said wall and spandrel beam and mechanically keyed thereto, and serving as a moisture cut-off immediately above said spandrel beam, and a sheet metal cap flashing secured to the lower part of said spandrel beam and extending downwardly between the spandrel beam and veneer.

2,260,439
FAN MOUNTING
Joseph H. Cohen, Bridgeport, Conn., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut
Original application July 26, 1937, Serial No. 155,673, now Patent No. 2,192,811, dated March 5, 1940. Divided and this application May 27, 1939, Serial No. 276,059
3 Claims. (Cl. 248—16)



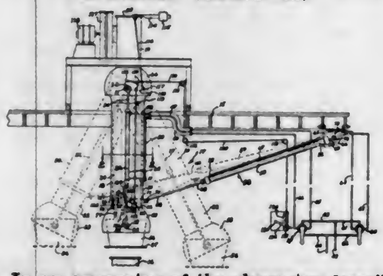
1. In a mounting for an electric fan having a motor, a supporting plate having ears at opposite sides thereof to be secured to the motor, said plate having an aperture therein to form a socket, and the apertured portion of said plate being disposed in spaced relation with the surface of the motor; supporting means having a ball thereon to be received in the socket; clamping means comprising an L-shaped bracket mounted on the plate with one end engaging the plate and the other end engaging and cooperating with the ball to clamp the plate in adjusted position on the ball; and means intermediate the ends of the bracket for moving the latter toward the plate to draw the bracket and supporting plate into clamping relation with the ball.

2,260,440
LINER PACKING
Marcus M. Cunningham and Lawrence D. Barner, Houston, Tex., assignors to Barcunshell Corporation, a corporation of Texas
Application March 7, 1939, Serial No. 260,262
4 Claims. (Cl. 309—3)



2. A pump construction comprising a cylinder having a counterbore, a liner for said cylinder, a flange on said liner adapted to enter the counterbore, a second flange on said liner in spaced relation with the first mentioned flange and adapted to enter the counterbore whereby an annular chamber is formed intermediate the flanges, means for holding the liner within the cylinder with the flange in engagement with the bottom of the counterbore, an expansible packing ring within the chamber, a conduit extending from the packing element to the exterior of the pump cylinder, and means connected to said conduit for continuously applying fluid pressure to the packing ring to effect a seal between the cylinder and liner.

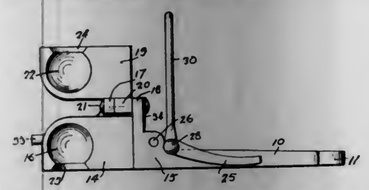
2,260,441
SMOKE DISPOSAL AND DRAFT INDUCING APPARATUS FOR LOCOMOTIVES
Harry G. Day and William E. Skinner, Minneapolis, Minn.; said Skinner, deceased, assignor by decree of court to Eleanor Caywood Skinner
Application June 3, 1940, Serial No. 338,568
15 Claims. (Cl. 104—52)



1. In an apparatus of the character described, a supporting structure, an uptake conduit including a lower barrel movable relatively to said supporting structure and adapted to be associated with the smoke stack of a locomotive, and fluid pressure actuated means including an element pivotally mounted relatively to said supporting structure, a second element secured to said uptake conduit, a cylinder secured to one

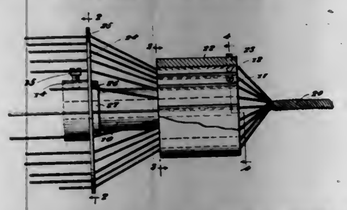
of said elements, and a piston reciprocable within said cylinder and secured to the other of said elements for causing said lower barrel to be assembled with and disassembled from said smoke stack.

2,260,442
TRAILER HITCH
Robert F. Dollase, Fort Atkinson, Wis.
Application July 27, 1940, Serial No. 347,995
5 Claims. (Cl. 280—33.17)



1. A trailer hitch comprising a shank, a pair of complementary jaw members carried by one end of the shank, one of said jaw members being integral with the shank, the other jaw member being pivotally mounted on an axis extending longitudinally of the shank for movements transversely of the longitudinal axis of the shank, and means for locking the jaw members in closed position.

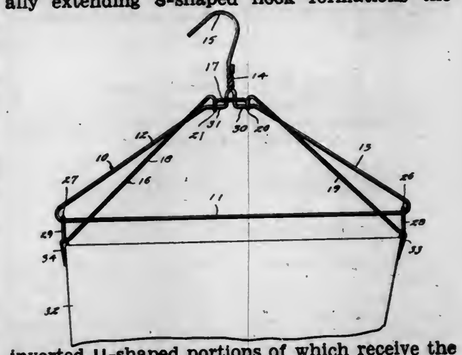
2,260,443
WIRE ROPE NOZZLE
Frank B. Downing, Sr., Wilkes-Barre, Pa.
Application May 29, 1940, Serial No. 337,923
2 Claims. (Cl. 57—138)



1. A sectional nozzle for guiding wires during the formation of wire rope, cable and the like, comprising a head having longitudinally extending spaced channels upon the periphery thereof, means for retaining the wires within the channels, a guiding disc having a plurality of guiding apertures arranged radially of the center of the disc for supporting and guiding wires toward the grooves in the head, said grooves being undercut to facilitate the holding of the wires within the grooves, the head comprising a plurality of sections, each section containing grooves and the sections fitting one upon the other, and a retaining sleeve fitting over the outer section.

2,260,444
ATTACHMENT FOR GARMENT HANGERS
Duward G. Ellison, Tulsa, Okla.
Application May 6, 1940, Serial No. 333,636
2 Claims. (Cl. 223—88)

1. In combination with a garment hanger including a bottom rod and upwardly converging top rods, a supplementary supporting member formed at its middle with a laterally extending hook portion adapted to receive the said top rod adjacent their point of convergence, and resilient arm members extending divergently downwardly from the hook portion and terminating in laterally extending S-shaped hook formations the



inverted U-shaped portions of which receive the said bottom rod of the hanger.

2,260,445
METHOD OF PRODUCING LIGHT-SENSITIVE LAYERS
Evert Ragnar Elvegård, Stockholm, Sweden
No Drawing. Application March 16, 1938, Serial No. 196,287. In Sweden February 11, 1938
1 Claim. (Cl. 95—7)

In a method of making a light-sensitive layer having a regenerated cellulose foil as a suspension agent by treating the layer with soluble silver salts and with halides to form a light-sensitive silver halide, the steps comprising treating the layer which has been treated with the silver salt solution with a solution containing free bromine whereby the soluble silver salt adsorbed to the regenerated cellulose foil is completely converted during the formation of the insoluble silver halide thus preventing the formation of fog.

2,260,446
SHINGLE FASTENING DEVICE
Ernest S. Fooks, Jr., and Walter Frank Koontz, Uniontown, Pa.
Application May 24, 1940, Serial No. 337,086
5 Claims. (Cl. 108—33)



1. Fastening devices for shingles, comprising plates fixedly embedded in each shingle adjacent one edge thereof and in spaced alignment with each other, a locking tongue struck from each plate and outwardly flared from the rear face of the shingle, the tongues being disposed at right angles to said edge and having their free ends directed toward said edge, keeper means including strips, means for securing the strips on the front face of each shingle adjacent to the opposite edge thereof and for securing the shingle

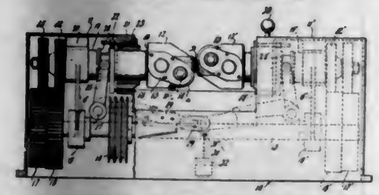
in place, and said strips adapted to receive the tongues of a superjacent shingle for locking the shingles to each other in overlapped relation.

2,260,447
CURB AND GUTTER FORM
Edward M. Forbes, Virginia Beach, Va.
Application April 26, 1939, Serial No. 270,209
4 Claims. (Cl. 25—118)



1. In a mold for use in forming cement curb and gutter, a standard, a curb rear face plate secured at the bottom of said standard and having oppositely extending flanges at the top and bottom thereof, a cam slot and a perforation in said standard, a locking handle pivotally mounted in said cam slot, a locking hook extending from one end of said handle, a frame having a vertical member, a perforation through said member, adapted to receive the locking hook on said handle whereby the said standard and the said vertical member are locked together, and a gutter forming mold carried by said frame.

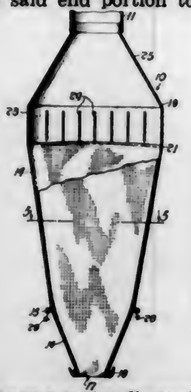
2,260,448
BALL WINDING MACHINE
Raymond S. Francis, Rumford, R. I., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application October 30, 1940, Serial No. 363,452
15 Claims. (Cl. 242—3)



1. In a ball winding machine, opposed rotatable ball holding heads, a pair of tapered discs on each head, the discs on one head being adapted to cooperate with the discs upon the other head to support and rotate the ball on the axis about which the heads rotate, power means for rotating said heads and for turning the discs relative to the heads, a free rotating and sliding idler cylinder on each head positioned to retain the ball in engagement with the discs and adapted to slide freely as the ball is turned to a different axis to thereby avoid chafing the ball.

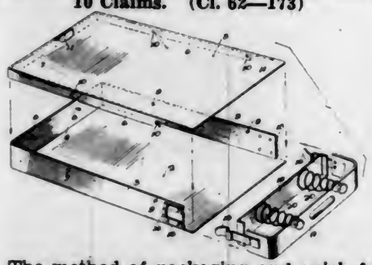
2,260,449
APPARATUS FOR PNEUMATICALLY CLEANING BAGS
George I. Goldwyn, Chicago, Ill., assignor to George I. Goldwyn and Herman Goldwyn, Chicago, Ill., copartners doing business under name and style of Goldwyn Brothers
Application December 18, 1939, Serial No. 309,713
4 Claims. (Cl. 15—15)

4. A suction head for pneumatic bag cleaning apparatus embodying therein an elongated body with a circular portion at one end having a predetermined cross-sectional diameter and dimension, a frustro-conical hood connected at one end to said portion of the body and having a combined bag and air inlet at its other end of a cross-sectional area less than that of said circular portion of the body, said body flattening out fanlike from said end portion toward its other



end so as to have a major dimension greater and a minor dimension less than that of said circular portion, to provide an outlet end for the body of a cross-sectional area less than that of said circular portion of the body.

2,260,450
METHOD OF FREEZING FOOD PRODUCTS
Joseph E. Guinane, White Plains, N. Y., assignor to General Foods Corporation, New York, N. Y., a corporation of Delaware
Application April 24, 1940, Serial No. 331,458
10 Claims. (Cl. 62—173)



1. The method of packaging and quick-freezing a flowable food product in a relatively thin collapsible rectangular container which comprises confining said container sufficiently to maintain its shape and prevent collapse, filling said confined container with said product, closing said container tightly around the confined flowable product to eliminate air from the container and sealing the confined container, then enclosing said container on all sides within refrigerated rigid heat-conductive walls to quick-freeze said product while maintaining at least one side under yielding pressure, and then removing said walls, whereby a tightly wrapped quick-frozen unit of rectangular shape is obtained.

2,260,451
FRAME
Joseph D. Gunselman, Emporia, Kans.
Application April 8, 1940, Serial No. 328,587
2 Claims. (Cl. 20—53)

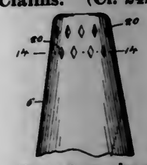
1. A frame adapted to be secured within a window aperture and formed with side, top, bottom and interjacent sections defining spaced sash

openings, a pair of endless C-shaped members secured to said frame and arranged one about each opening, a pair of endless L-shaped members secured to sashes pivotally connected to said frame for opening and closing said openings, said L-shaped members formed with bulbiform ends clampingly disposed within said C-shaped mem-



bers when said sashes are in closed position to effect a weather seal between said sashes and frame, said sections being of a U-shaped configuration defining spaced branches with one of said branches adapted for seating engagement within channels formed in said sashes for cooperation with said members to maintain said seal when said sashes are in said closed position.

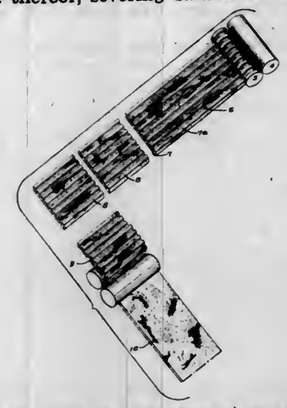
2,260,452
TEXTILE CONE
Charles M. Hart, Chattanooga, Tenn.
Application September 26, 1939, Serial No. 296,670
2 Claims. (Cl. 242—122)



1. A textile thread package cone comprising a plurality of shells, each having a flush seam extending longitudinally thereof, means for securing the shells nested one within the other and with the seam of each shell disposed out of registration with the seams of adjacent shells, the outer surface of the apex end portion of the cone being smooth and the remaining portion of the outer surface being rough, the outermost shell having openings therein adjacent to its apex end and arranged circumferentially about the same, and means of a color contrasting with that of the outer shell and disposed within the latter to show through the openings to provide identification means for the cone.

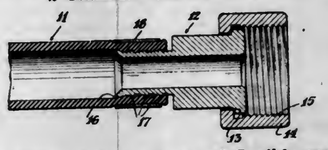
2,260,453
METHOD OF MAKING DECORATIVE SHEETS
Samuel H. Hartman, Lancaster Township, Lancaster County, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application August 1, 1939, Serial No. 287,699
7 Claims. (Cl. 18—61)

1. In the method of manufacturing a decorative sheet, the steps comprising, blending differently colored granular compositions to form a cohesive vari-colored mass, forming said mass in a sheet having a definite directional graining, depressing portions of said sheet below the plane surface thereof, severing said sheet in sections,



and calendering said sections at an angle to the direction of graining thereby shortening and spreading the directional graining and presenting a variegated surface effect in which individual colors appear.

2,260,454
HOSE CONNECTION
Alexander Hedeman, New York, N. Y.
Application July 26, 1940, Serial No. 347,579
2 Claims. (Cl. 285—84)

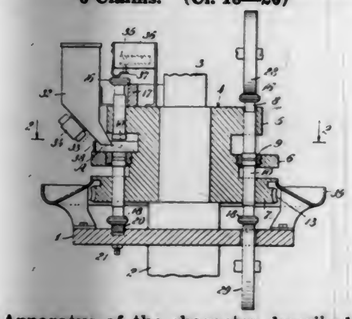


1. In combination, a hose of flexible material, a tubular nipple fitting therein, the end of the tubular nipple being formed with an integral annular ridge the maximum diameter of which occurs at the extreme end of the nipple, and a band contracted upon the exterior of the hose in line with the said integral annular ridge whereby a tight seal is formed at the extreme end of the nipple and the formation of pockets or depressions is avoided.

2,260,455
WIRE DRAWING
Charles Richard Horwedel, Lakewood, Ohio, assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
No Drawing. Application May 21, 1940, Serial No. 336,441
5 Claims. (Cl. 205—21)

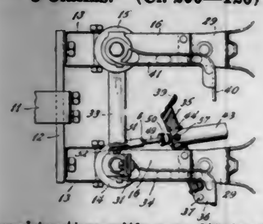
1. A method of drawing wire in a continuous wire wet-drawing machine, the method being characterized by coating the wire with wax prior to its entering the dies of the machine, the wax having a melting temperature resulting in its being successively melted as it draws through the dies of the machine and successively hardened by the liquid used by the machine to bathe the wire and dies during the travel of the wire from die to die.

2,260,456
METHOD OF AND APPARATUS FOR FORMING ROUGE PADS
Clifford M. Johnson, Suffern, N. Y., assignor to Allied Products, Inc., New York, N. Y., a corporation of New York
Application July 20, 1939, Serial No. 285,555
6 Claims. (Cl. 18—20)



1. Apparatus of the character described comprising a rotating head, a plurality of dies mounted in the head, upper and lower plungers associated with each of the dies, means for delivering powdered material to the dies, means for removing excess material therefrom, tracks engaging said plungers to position said plungers throughout the revolution of said head, the track of the lower plungers being provided with an abrupt drop to permit the lower plunger and the material supported thereon to move downwardly to remove entrapped air from the material, the upper and lower tracks being inclined toward each other and extending an appreciable portion of the circumference of the machine beyond the abrupt drop to apply gradual pressure to the top and bottom of the material in the die.

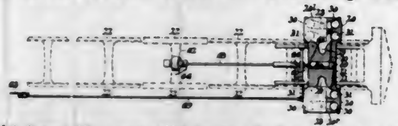
2,260,457
HIGH TENSION FUSE
Tomlinson Fort Johnson, Atlanta, Ga.
Application May 14, 1935, Serial No. 21,422
3 Claims. (Cl. 200—126)



1. In combination with a multiple shot fuse assembly for high tension transmission lines, adjacent fuse units adapted to be connected in the circuit in succession; a switch having an arm normally biased to close the circuit through another fuse automatically when an adjacent fuse is blown; and an adjustable dash pot connected to said arm to delay the closing action of the switch.

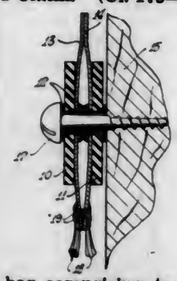
2,260,458
LOCOMOTIVE STEAM DISTRIBUTION SYSTEM
Lloyd B. Jones, Hollidaysburg, Pa.
Application January 28, 1939, Serial No. 253,296
14 Claims. (Cl. 121—126)

1. In a reciprocating engine locomotive, the combination with the front end locomotive structure, including the locomotive saddle and the cylinders thereon at opposite sides of the locomotive, and an axle driven by reciprocating pistons in said cylinders, of conduit means and poppet valves in said front end locomotive structure, for supplying and admitting motive fluid to the opposite ends of said cylinders, with fluid actuated means for shifting said admission poppet valves, poppet valves for exhausting motive



fluid from the opposite ends of the engine cylinders, with fluid-actuated means for shifting said exhaust poppet valves, and a continuously rotating master controller driven from said axle and mounted in said front end locomotive structure between said cylinders, with valve means controlling the action of the locomotive operating fluid on said fluid actuated means to shift said poppet valves.

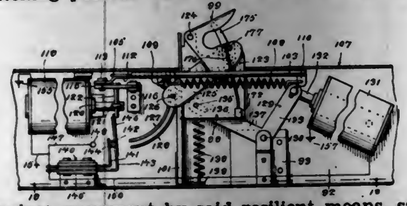
2,260,459
CONTACT SWITCH PLATE
Mathew Kilar, Chicago, Ill., assignor to Genco, Inc., Chicago, Ill., a corporation of Illinois
Application September 21, 1940, Serial No. 357,734
1 Claim. (Cl. 173—324)



A contact bar comprising two plate members formed of non-conductive material and adapted to be arranged in parallel relation with respect to each other, a plurality of spring contact fingers mounted on each plate member with said fingers of each plate member spaced substantially equally with respect to each other, said fingers each being bowed and comprising enlarged central bearing portions, and having opposite end portions extending substantially beyond the opposite longitudinal edges of said plate members, means for connecting said fingers to said plates comprising eyelets having connection with said bearing portions, with the said eyelets of one plate member arranged in alignment with the eyelets of the other plate member when the said plate members are arranged in parallel relation with respect to each other, and attaching means projected through said eyelets for connecting said plates in said parallel relation with the contact fingers of one plate resiliently bearing upon the contact fingers of the other plate.

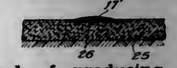
2,260,460
TOY MAIL CAR
Richard J. Klingebiel, Ashton, Ill., assignor of one-fourth to Gordon Edwin Lovett, West Brooklyn, Ill.
Application September 16, 1940, Serial No. 357,047
8 Claims. (Cl. 258—6)

7. In a mail car, a mail bag catcher comprising a track, a carriage movable on said track, a mail bag catcher means pivotally mounted on said carriage, a guide, a pivot on said catcher means slidably and pivotally engaging said guide, said guide being angularly positioned with respect to said track to impart pivotal motion to said catcher means when the carriage is moved along said track to place the catcher means in a mail bag catching position in one position of said carriage and in a bag retaining position in the normal position of the carriage, said catcher means having a mail bag receiving recess and said carriage having a part arranged to close said recess when said carriage and the catcher means are in their normal positions, resilient means biasing said carriage to its normal position, a trip latch pivotally connected with said carriage and acting on said catcher means and coacting with said guide to restrain the catcher means from pivotal movement when the latter is in a mail bag catching position and for latching the carriage



against movement by said resilient means, said trip latch spanning said recess and pivoted to a catcher releasing position when engaged by a mail bag, said car having a sliding door and said carriage and catcher means moving partly through the door opening when said catcher means is moved to a bag catching position, an electric circuit, electrically energized means operatively connected with the door carried by said car and connected with said circuit for opening said door, electrically energized means carried by said car and operatively connected with said carriage for moving the latter against the tension of said resilient means, said last-mentioned electrically energized means being electrically connected with said circuit, and a switch between said circuit and said last-mentioned electrically energized means and actuated by said first-mentioned electrically energized means, said switch being closed after said door is moved to an open position.

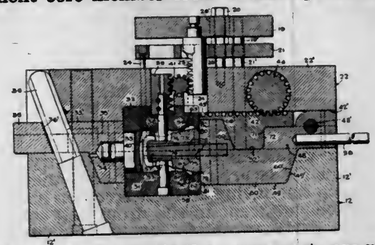
2,260,461
TRAFFIC GUIDE
Tennies F. Kolts, Chicago, Ill., assignor to Warren Buckley
Application February 6, 1939, Serial No. 254,813
3 Claims. (Cl. 94—1.5)



1. A method of producing a traffic guide marker comprising projecting onto the surface to be marked a spray of molten metal intimately mixed with small particles of a light reflective material consisting of mica having a higher melting point than that of the molten spray.

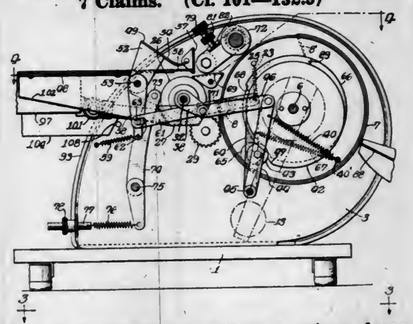
2,260,462
DIE FOR PRESSURE CASTING
Torbjorn C. Korsmo, Madison, Wis., assignor to Madison-Kipp Corporation, Madison, Wis., a corporation of Wisconsin
Application April 9, 1941, Serial No. 387,722
18 Claims. (Cl. 22—151)

1. The combination in a multi-section separable casting die of a pair of die sections adapted for relative movement in a definite path to open and close the die, the opposed faces of said die sections having portions coacting to form a casting cavity when the die is closed; and a core assembly, comprising a permanent core member and at least one removable core member slidably mounted on said permanent member, carried by one of said die sections and located in casting position in the die cavity when the die is closed, the permanent core member being pivotally mounted on said die section and also mounted thereon for sliding movement, during opening of the die, sufficient at least to completely withdraw the permanent core member from a casting formed in



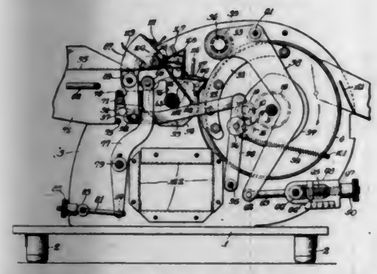
the die and to separate the permanent core member from the removable core member which is retained in the casting, said permanent core member being swingable away from its supporting die section following said withdrawal to render it fully accessible to an operator for slidably mounting at least one removable core member thereon to form a core assembly, said assembly being swingable towards said die section while the die is open and then slidable thereon to position the assembly in the die cavity as the die is closed, the permanent core member being adapted for automatic actuation during opening and closing of the die to effect said sliding movements thereof.

2,260,463
DUPLICATING MACHINE
Willis A. Kropp, Oak Park, Ill., assignor to Victor Adding Machine Company, Chicago, Ill., a corporation of Illinois
Application July 26, 1939, Serial No. 286,503
7 Claims. (Cl. 101—132.5)



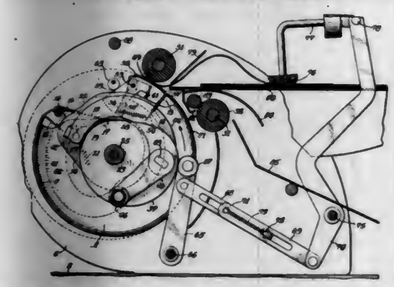
1. In a duplicating machine, a rotary drum, a feeding roll, means for rotating the drum and roll at predetermined relative speeds and for rotating said roller continuously during the feeding of successive copy sheets, means on the drum for positioning the leading edge of a copy sheet, and means controlled in accordance with the rotative position of the drum and the travel thereof for temporarily accelerating the feed roll.

2,260,464
DUPLICATING MACHINE
Willis A. Kropp, River Forest, Ill., assignor to Victor Adding Machine Company, Chicago, Ill., a corporation of Illinois
Application May 31, 1940, Serial No. 338,099
14 Claims. (Cl. 101—132.5)



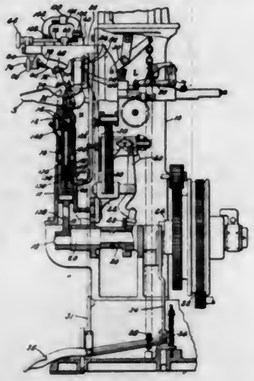
1. In a duplicating machine, a rotary drum and means for securing a master copy thereon, a moistening roll having an uninterrupted imperforate surface adjacent to the drum and connected for continuous rotation therewith at identical peripheral speeds, a feed table adjoining and above said moistening roll and a paper stop positioned above the moistening roll to intercept sheets advanced beyond the table edge, an oscillatable member having a non-rotating contact with the copy sheets for pressing them against the roll, means for oscillating said member to contact copy sheets against the roll to initiate the feeding of the same to the drum, said member being arranged to depress the leading edges of copy sheets between the table edge and paper stop against the moistening roll to pass them under the latter.

2,260,465
DUPLICATING MACHINE
Willis A. Kropp, River Forest, Ill., assignor to Victor Adding Machine Company, Chicago, Ill., a corporation of Illinois
Application May 31, 1940, Serial No. 338,100
12 Claims. (Cl. 101—132)



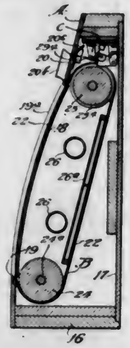
1. In combination with a duplicating machine having a rotary master copy drum, a mechanism for imparting intermittent rotary motion to the drum comprising a continuously rotating driving member, an element pivotally connected with said member and driven thereby through the pivot, one end of said element being connected to the drum for driving the same, and means for rotating the element about its pivotal axis during the circular travel of said axis whereby during a portion of said travel no rotative motion will be imparted to said drum.

2,260,466
FASTENING-INSERTING MACHINE
John T. Lancaster, Newton, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J.
Application October 26, 1939, Serial No. 301,454
24 Claims. (Cl. 1—32)



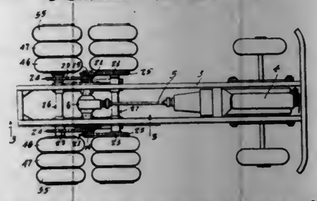
1. Heel-pressure mechanism comprising movable contact members for engagement with different heel-surfaces, and hydraulic means having elements respectively individual to the members and acting thereon to effect their relative movement.

2,260,467
GAME APPARATUS
Alan B. Le May, Beverly Hills, Calif.
Application May 18, 1940, Serial No. 336,051
9 Claims. (Cl. 273—94)



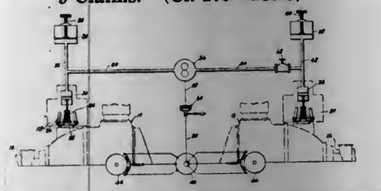
4. Game apparatus, adapted for use with a chart representing a football field, comprising: a light-screen having opaque portions and light-admitting portions; a pack of cards, each having a translucent portion to indicate the path of travel of a football in a particular offensive-play; a second pack of defensive-play cards, each having a light-admitting area adapted to register with part of the translucent portion of any of the cards in said first pack when one card from each pack is placed in superposed relation with respect to said screen; and means for moving the opaque portion of said light-screen to indicate progressively, by a path of light through the registering light admitting areas of the selected cards, the action and results of the play.

2,260,468
SIX WHEEL MOTOR VEHICLE
Raymond Lewis, Los Angeles, Calif.
Application February 28, 1938, Serial No. 193,105
3 Claims. (Cl. 180—22)



1. A motor vehicle including a frame, differential drive shafts carried by said frame and horizontally aligned complementary spring members pivoted to a common trunnion located below the axis of said drive shafts, longitudinally spaced apart supporting axles, one supporting axle slidably engaging one end of each of said springs and the other supporting axle slidably engaging the opposite ends of said springs, radius rods connecting said axles to said frame, wheels on the ends of said axles and drive connections between said wheels and said differential drive shafts.

2,260,469
HYDRAULIC SYNCHRONIZER
Erle Martin, West Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application February 18, 1938, Serial No. 191,173
9 Claims. (Cl. 170—135.6)

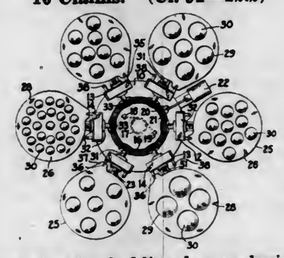


1. Apparatus for synchronizing the propeller driving engines of a multi-engine aircraft comprising, a device associated with each engine responsive to hydraulic pressure to control the speed of the respective engine, a connection between the hydraulic speed controlling devices of two engines to be synchronized, a reversible pump in said connection, an electrical impulse generator driven by each of said two engines, an electrical differential device energized by said generators and having a portion movable in response to a phase difference in the generated current impulses, and means connecting said movable portion with said reversible pump to vary the adjustment of said speed controlling devices to correct a speed variation between said engines.

2,260,470
TREATMENT OF AGAVE FIBERS AND RESIDUES AND THE LIKE
Jack May, London, England, assignor to Avex Limited, London, England, a British company
No Drawing. Application June 21, 1939, Serial No. 280,401. In Great Britain June 27, 1938
16 Claims. (Cl. 252—316)

1. A process for the preparation of a valuable colloidal product which comprises extracting the residues resulting from the separation of fibers from the leaves of plants selected from the group consisting of plants of the Agave family and Sanseveria with an aqueous solution of a water soluble salt of phosphoric acid, and recovering colloidal constituents from the resultant extract.

2,260,471
NONREFLECTING COATING FOR GLASS
John H. McLeod, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application September 28, 1940, Serial No. 358,855
10 Claims. (Cl. 91—12.2)



1. Apparatus for holding lenses during surface coating thereof comprising means for holding a plurality of lenses in one plane and exposed from both sides, an axle extending in said plane from one side of the lens-holding means, a bearing engaging said axle for rotatably supporting the lens holding means, stops for limiting the rotation of the lens holding means to 180°, means for rotating the lens holding means and electrical means for controlling the operation of the rotating means.

2,260,472
SHOE HEEL
Frank R. Merritt, Haverhill, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application December 5, 1940, Serial No. 368,685
7 Claims. (Cl. 36—34)



1. A heel for cement attachment to a shoe, said heel having secured therein a plug of fibrous material one end of which is exposed at the attaching face of the heel, the ends of the fibers in the exposed end of the plug being separated or frayed out to afford extra anchorage for cement.

2,260,473
NONGLARE HEADLIGHT BULB FOR AUTOMOBILES
Pasquale Minchillo, Medford, Mass.
Application June 20, 1940, Serial No. 341,425
2 Claims. (Cl. 240—48.6)

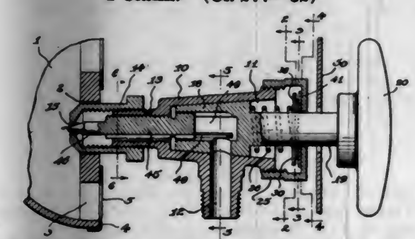
1. A non-glare automobile headlight bulb, comprising a lamp having a glass bulb, a plurality of opaque closely spaced non-reflecting dots ar-

ranged circumferentially on said glass bulb, a glass shell completely encasing said glass bulb, a plurality of opaque closely spaced non-reflecting dots arranged circumferentially on said glass shell and in aligned positions with the dots of said bulb, and means for rotatively supporting said shell on said bulb, whereby said shell may be turned relative to said bulb to move said



aligned dots out of alignment, said shell being formed from two half shell sections engaging said glass bulb, said means, comprising a half ring substantially U-shaped member rigidly mounted on the base of each of said shell sections and engaging around said glass bulb at its base, and means for releasibly connecting together the adjacent ends of said half ring substantially U-shaped members.

2,260,474
GAS COCK
Ervin H. Mueller, Grosse Pointe Park, Mich.
Application April 5, 1940, Serial No. 328,077
1 Claim. (Cl. 277—32)

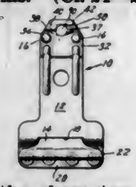


A gas valve comprising a valve body having a valve chamber therein with an inlet into the side of the chamber and an outlet axially at the end of the chamber, a valve member seated in the chamber and having an axial bore communicating with the outlet, said valve member having a plurality of inlet ports of different sizes spaced circumferentially from each other leading into the bore and which are adapted upon rotation of the valve member to be selectively aligned with the inlet for the flow of different volumes of gas through the valve, means providing an outlet orifice in communication with the outlet in the valve body, the outlet in the valve body having internal screw-threads, a second valve member for controlling the outlet orifice having an intermediate body portion of ribbed formation with screw-threads on the crest of the ribs and which is screw-threaded into the body outlet so that gas may pass therethrough, one end of the second valve member having a needle formation for co-operation with the outlet orifice, the other end of the second valve member extending into the bore of the first valve member and having a non-rotatable and slidable connection therewith whereby, upon turning of the first valve member in either direction for selection of the port to be aligned with the inlet, the second valve member is rotated therewith and fed on its screw-threads axially with substantially uniform movement in either direction so that the needle formation thereof throttles the outlet orifice substantially in accordance with the port aligned with the inlet.

2,260,475
PREPARATION OF SYNTHETIC RUBBERLIKE MATERIALS
Hans Murke, Leverkusen-Schlebusch, Germany, assignor, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana
No Drawing. Application February 21, 1939, Serial No. 257,663. In Germany February 25, 1938
3 Claims. (Cl. 260—86)

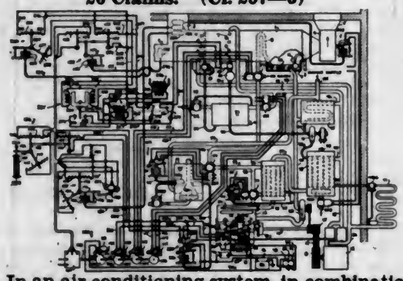
1. The process which comprises subjecting a butadiene-1.3 to co-polymerization in aqueous emulsion with other polymerizable compounds capable of forming copolymerizates with a butadiene-1.3 in aqueous emulsion, the polymerization being effected in the presence of tertiary amines which are soluble in at least one of the polymerizable compounds.

2,260,476
FILM CLIP
William E. Naylor, Ridgefield Park, N. J., assignor to Fink-Roselieve Co., Inc., New York, N. Y., a corporation of New York
Application November 19, 1940, Serial No. 366,228
3 Claims. (Cl. 24—236)



3. A device of the character described, comprising a pair of flat plate members secured together, said plates having a pair of upwardly extending opposed wing portions spaced apart in parallel relationship to define an open channel therebetween, each of said wing members being side-slotted inwardly from opposite sides thereof to form finger portions and to define an opening through the device, which opening is at an angle to the channel and is in communication therewith.

2,260,477
AIR CONDITIONING SYSTEM
Alwin B. Newton, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application September 24, 1938, Serial No. 231,571
26 Claims. (Cl. 257—3)



1. In an air conditioning system, in combination, cooling and dehumidifying means for cooling and dehumidifying the air in a space being conditioned including variable capacity compressor means, means influenced by the temperature and humidity of said space for placing said cooling and dehumidifying means in operation when the effective temperature within the space becomes excessive, means influenced by the relative humidity in said space for controlling the capacity of said compressor means when said cooling and dehumidifying means is in operation, and means for placing said cooling and dehumidifying means into operation when the space relative humidity becomes excessive.

3. In an air conditioning system, in combination, cooling and dehumidifying means for cooling and dehumidifying the air in a space to be conditioned, a reheater for reheating the air, space temperature and humidity responsive means for placing said cooling and dehumidifying means into operation when space temperature or relative humidity becomes excessive, means influenced by relative humidity for controlling the action of said cooling and dehumidifying means when in operation, thermostatic means for controlling said reheater, and means influenced by outside temperature for adjusting said temperature and humidity responsive means and said thermostatic means in accordance with variations in outside temperature.

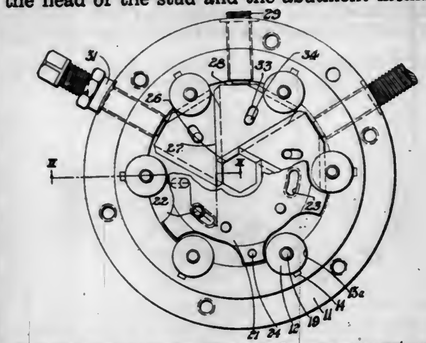
2,260,478
TABLE
Kurt Peter, Bronx, N. Y.
Application April 2, 1940, Serial No. 327,392
2 Claims. (Cl. 311—90)



1. In a device of the class described, a table comprising two units hingedly connected, legs supporting said units at both ends thereof, bars connecting said legs, each of said units being formed with a recess in each side thereof, and toothed plates secured to the table units in close proximity to the recesses, adjustable members pivotally secured at one end thereof to the legs, each of said members terminating at the other end thereof in a hook portion adapted to engage said recesses in setting up or folding the table, and a sharp edge section formed at the end of the hook portion and made to engage the toothed plates in adjusting said table to a rigid position.

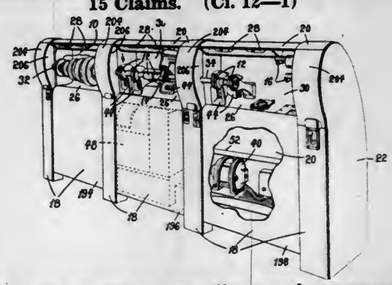
2,260,479
ADJUSTABLE DRAWING DIE
Ernest C. Picking, Coventry, England, assignor to Alfred Herbert Limited, Edgwick, Coventry, England
Application June 26, 1939, Serial No. 281,134
In Great Britain November 22, 1938
12 Claims. (Cl. 205—26)

1. An adjustable polygonal drawing die including a cup-like body, a detachable plate for closing the open edge of the body, the circular wall of the body having on its inside face a plurality of spaced, axially-extending, openings therein, abutment members slidingly received in said openings for parallel movement, said abutment members having inclined surfaces which together form parts of the sides of a truncated prism having a cross-section similar to that of the section to be drawn, die sections co-acting with one another and resting on the base of the body, said die sections having inclined surfaces for co-acting with those of the said abutment members, and means for adjusting an abutment member axially whereby to effect individual adjustment of the associated die section, said means including an axially-extending headed stud fast with an abutment member, and a sleeve engaging the head of the stud and the abutment member



and having a screw-threaded engagement with said detachable plate.

2,260,480
APPARATUS FOR USE IN THE REPAIR OF SHOES
Frederick A. Prahl, Jr., Danvers, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application December 31, 1938, Serial No. 248,801
15 Claims. (Cl. 12—1)

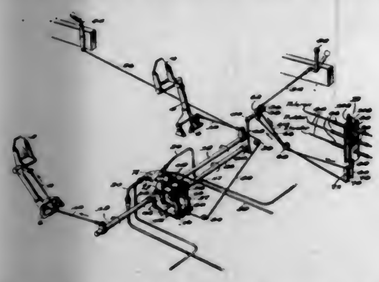


1. A machine for operating on shoes comprising a cabinet-like casing having a re-entrant space formed in the upper portion thereof to provide an open-front hood, a shaft extending lengthwise of the casing, rotary tools mounted on the shaft and shrouded by the hood, a motor contained in the lower portion of the casing and arranged to drive the shaft, and dust collecting apparatus also contained in the lower portion of the casing, one of the walls of the casing being provided with a panel removable to give access to the interior of the casing.

2,260,481
AIRCRAFT CONSTRUCTION
John A. Ranasey, Baltimore, Md., assignor to The Glenn L. Martin Company, Baltimore, Md.
Application October 21, 1939, Serial No. 300,547
6 Claims. (Cl. 244—83)

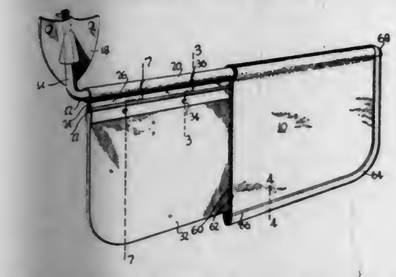
1. In an airplane having wheel brakes, brake pedals for actuating said brakes, a ratchet the position of which is controlled by said brake pedals, control surfaces locking means comprising members having apertures therein adapted to align when the control surfaces are in neutral position, a member adapted to engage said apertures when they are in alignment, and an operating member for actuating said last named

member to lock the control surfaces in predetermined position, a pawl controlled by said operating member to be engaged by said ratchet when locking said control surfaces to lock said



brakes in braked position, the normal position of said pawl being out of the path of movement of said ratchet during normal braking operations when said control surfaces are unlocked.

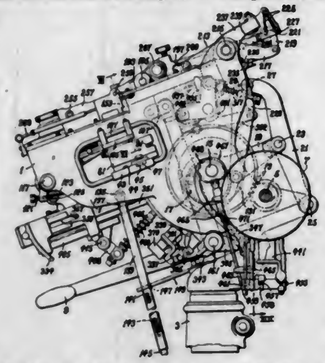
2,260,482
VISOR
Gordon A. Roberts, Grosse Pointe, Mich.
Application June 17, 1938, Serial No. 214,213
5 Claims. (Cl. 296—97)



5. In a friction hinge for a visor, a strip of metal bent longitudinally to form a tubular portion and a pair of adjacent radial flanges, said flanges being secured together adjacent the tubular portion, said tubular portion being cut diagonally into a plurality of sections, and said sections being bent askew of their common axis to resiliently frictionally grip a rod extending through said tubular portion, each section having its opposite end portion offset on opposite sides of said common axis.

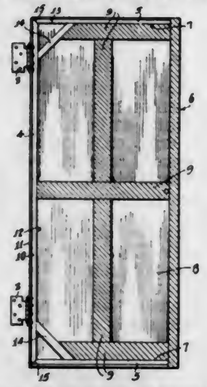
2,260,483
TRIMMING MACHINE
William Thomas Buckingham Roberts, Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application June 4, 1940, Serial No. 338,723
In Great Britain June 23, 1939
10 Claims. (Cl. 12—83.5)

1. A trimming machine comprising a cutting bed having a U-shaped recess to receive the toe end of a partially fabricated shoe of which the lasting margin at that end is unsecured, shoe-clamping means arranged to operate against the heel end of the shoe to press the shoe endwise against the wall of said recess, power-operated mechanism arranged to spread said lasting margin on said cutting bed and power-operated cutting mechanism arranged to cooperate with said



cutting bed to sever surplus material from said margin.

2,260,484
DOOR AND FRAME FOR MOVING PICTURE SETS
Walker E. Rumsey, Van Nuys, Calif.
Application March 13, 1940, Serial No. 323,770
6 Claims. (Cl. 20—35)

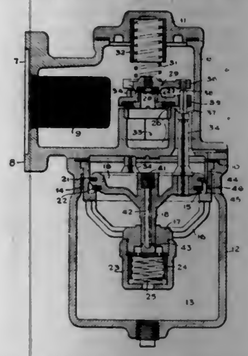


1. In a door for a moving picture set, the combination of a supporting frame including an upright bar with substantially horizontal arms, and a fabricated door body composed of a porous material filling the entire area between said arms having guideways therein for said arms and constructed to slide onto said arms so that its inner edge seats substantially against the upright bar.

2,260,485
AIR BRAKE
Lewis A. Safford, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application February 24, 1941, Serial No. 380,345
1 Claim. (Cl. 303—1)

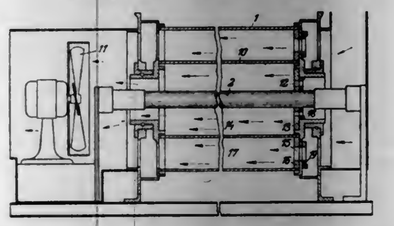
Means for controlling charging and breathing flows between a brake pipe in which functional pressure changes occur at different rates and in reverse directions, and a reservoir charged therefrom, comprising a cylinder having a sealing rim; a piston subject on its opposite sides to brake pipe and reservoir pressures and movable toward said rim by preponderating brake pipe

pressure, said piston having its periphery in sealing engagement with said cylinder and having on the reservoir side thereof means for forming with said cylinder rim a second seal which is spaced from said peripheral seal, the cylinder and piston being formed to afford a clearance between said seals; means forming a normal flow path of limited capacity connecting said clear-



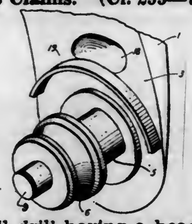
ance with the brake pipe, such connection communicating with the brake pipe at a point above the highest level reached by the piston; means forming a flow path of more limited capacity than said normal flow path between said clearance space and the reservoir; and a yielding stop serving, except when its resistance is overcome, to hold said piston spaced from said rim.

2,260,486
COPY PRINTING MACHINE
Paul Schmeck, Siegen, Germany
Application February 11, 1939, Serial No. 255,802
In Germany December 18, 1937
2 Claims. (Cl. 95—77.5)



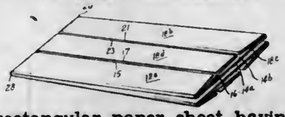
1. A copy printing machine comprising a transparent copying cylinder through which a cooling air current is passed and which contains a high pressure illuminating tube, a second hollow transparent cylinder enclosing the illuminating tube and arranged within the copying cylinder in such a manner as to form two cross-sectionally annular hollow spaces, one between the illuminating tube and the inner hollow cylinder and one between the two hollow cylinders, a fan arranged in front of one of the end walls of the copying cylinder and adapted to cool the latter space to a greater extent than the former one, the axis of rotation of said fan being preferably located in the extended axis of the hollow cylinder, and adjustable apertures arranged in one end wall of the copying cylinder, said apertures leading to the inner and outer annular spaces for the purpose of regulating the air flow in both of said spaces.

2,260,487
FLUID DEFLECTOR FOR WELL DRILLS
Floyd L. Scott, Houston, Tex., assignor to Hughes Tool Company, Houston, Tex., a corporation of Delaware
Application February 27, 1940, Serial No. 320,985
3 Claims. (Cl. 255—71)



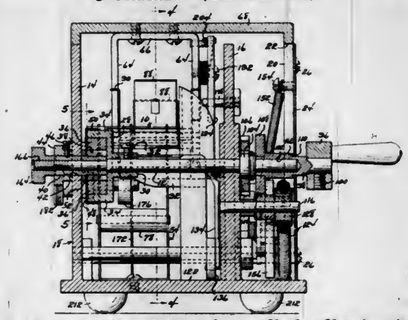
1. In a well drill having a head, cutter shafts thereon, cutters on said shafts and a nozzle to discharge flushing fluid upon said cutters; the combination of a deflector plate on said head about the upper portion of each of said cutters to be engaged by the flushing fluid discharged by said nozzle to direct the course of said fluid away from the bearings of said cutters.

2,260,488
FOLDED SHEET
Samuel Shapiro, New York, N. Y.
Application September 18, 1940, Serial No. 357,203
5 Claims. (Cl. 206—57)



1. A rectangular paper sheet having an odd number of coextensive parts folded upon itself on lines parallel to the side edges thereof into four layers of equal width, in which one of the layers comprises but one of the parts, a second layer comprises another of the parts, a third layer comprises two of the parts, and the fourth layer comprises three of the parts, the longitudinal margins of the folded sheet being closed.

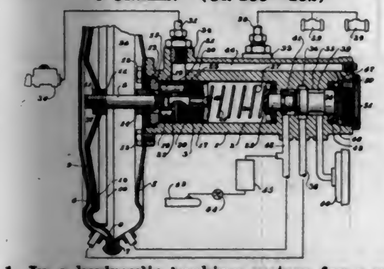
2,260,489
TAPE DISPENSING MACHINE
La Sim, New Orleans, La.
Application December 16, 1940, Serial No. 370,397
6 Claims. (Cl. 164—68)



1. A device for dispensing rolled adhesive tape comprising a support for the roll of tape, a rotative shaft, a ratchet wheel keyed to said shaft, arms carried by said shaft adapted for pulling the tape from the roll by engaging the

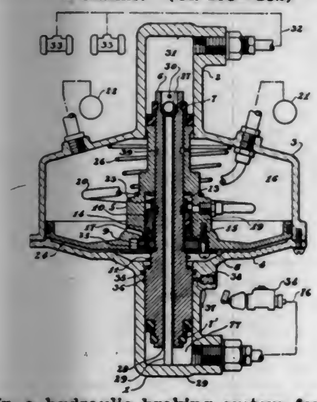
adhesive surface thereof, a manually actuated lever loosely mounted on said shaft, pawl means acting on said lever and said shaft permitting relative movement between the lever and the shaft in one direction but latching the two parts as a unit in the other direction, and severing means operatively connected with said lever to cut the tape after pulling a predetermined length from the roll.

2,260,490
HYDRAULIC BRAKE BOOSTER
Berteli Stelzer, Los Angeles, Calif.
Application June 27, 1939, Serial No. 281,375
8 Claims. (Cl. 188—152)



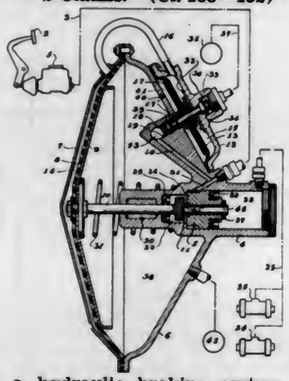
1. In a hydraulic braking system for a vehicle having wheels, a master cylinder, wheel cylinders, a pressure booster to augment the hydraulic pressure in said wheel cylinders, fluid transmission means from said master cylinder to said pressure booster and from the latter to said wheel cylinders, a source of power to operate said pressure booster, valve means to direct power to said pressure booster, said valve means being responsive to the hydraulic pressure produced by said master cylinder and the boosted hydraulic pressure in said wheel cylinders, whereby the hydraulic fluid from the master cylinder acts directly on one side of said valve means and the hydraulic fluid from the wheel cylinders acts directly on the other side of said valve means, and yielding means urging said valve means to pause to lock the power in said pressure booster.

2,260,491
HYDRAULIC BRAKING SYSTEM
Berteli Stelzer, Detroit, Mich.
Application November 10, 1939, Serial No. 303,837
4 Claims. (Cl. 188—152)



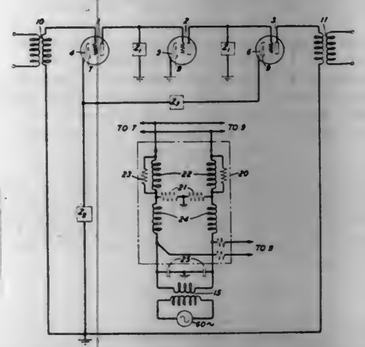
1. In a hydraulic braking system for a vehicle having hydraulic brake operating means, a hydraulic master cylinder operated by manual power, a cylinder, a small piston therein to supply a small volume of fluid under pressure to said brake operating means, means to operate said small piston by hydraulic manual power from said master cylinder, a power piston in said cylinder to supply an additional volume of fluid under pressure to said brake operating means, fluid transmitting means from said cylinder to said brake operating means and to said master cylinder, a source of power to operate said power piston, a follow-up valve responsive to the movement of said pistons to admit power to the power piston to allow it to move in unison with the small one.

2,260,492
BOOSTER FOR HYDRAULIC BRAKING SYSTEMS
Berteli Stelzer, Detroit, Mich.
Application December 9, 1939, Serial No. 308,367
2 Claims. (Cl. 188—152)



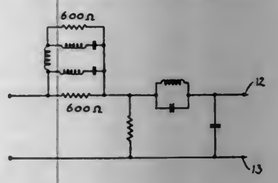
1. In a hydraulic braking system having a master cylinder operated by the operator to produce a primary pressure, and wheel cylinders to be actuated by a secondary pressure, in combination, a pressure booster having a pressure increasing device whose primary pressure side is in communication with said master cylinder and whose secondary pressure side is in communication with said wheel cylinders, an expansible motor mechanism to actuate said pressure increasing device to increase the secondary pressure, means to transmit said primary pressure so that said master cylinder performs part of the work to apply the brakes while said secondary pressure is higher than said primary pressure, a source of power consisting of a supply of fluid under pressure to actuate said expansible motor mechanism, valve means to direct power to and from said expansible motor mechanism, hydraulic pressure sensitive means responsive to said primary pressure to actuate said valve means to direct power to said expansible motor mechanism, fluid pressure sensitive means responsive to the pressure of the fluid admitted to said expansible motor mechanism arranged to oppose said "means responsive to said primary pressure" to urge to reduce the power admitted to said expansible motor mechanism, and means yieldingly urging said booster into its "off" position, said booster consisting of said pressure increasing device, said valve means, said pressure responsive means, and said expansible motor mechanism, forming a single, self-contained unit, connected with the rest of the braking system by fluid pressure lines.

2,260,493
AMPLIFIER
Albert L. Stillwell, Westfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 1, 1940, Serial No. 363,803
5 Claims. (Cl 179—171)



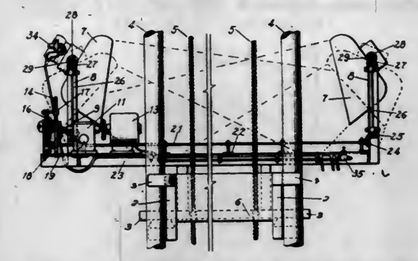
4. An electric wave amplifier of the feedback type, said amplifier having a beta circuit and comprising heater type tubes, the cathode of at least one of said tubes being connected to a point in said beta circuit of high potential relative to ground for frequencies to be amplified, whereby the capacitance between the said cathode and its associated heater tends to shunt said beta circuit, and means in the heating current circuit to said heater introducing such impedance that the shunting effect of said capacitance is substantially reduced.

2,260,494
ELECTRICAL FILTER
Teseo Bruno Dante Terroni, Broadgreen, Liverpool, England, assignor to Automatic Telephone & Electric Company, Limited, London, England, a British company
Application November 20, 1940, Serial No. 366,467
In Great Britain December 21, 1939
4 Claims. (Cl. 178—44)



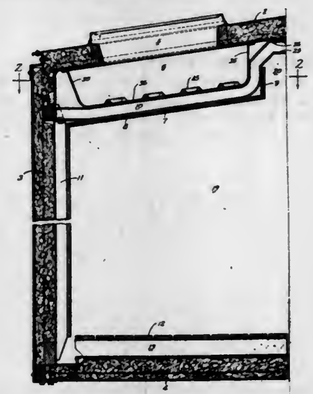
1. A wave filter having a substantially constant resistance over a range of frequencies extending from 0 to infinity cycles per second comprising a unit consisting of a resistance connected in series with a filter network having a termination equal or substantially equal to said resistance said unit being connected in parallel with a second unit consisting of a further resistance in series with another filter network terminated in a resistance the two filter networks viewed from the sides to which the series resistances are connected having iterative impedances the square root of the product of which is equal or substantially equal to each of said resistances, characterised in that the filter network of one of the units consists of a single section or half-section.

2,260,495
ILLUMINATING APPARATUS
Richard C. Tutwiler, Richmond, Va.
Application November 22, 1940, Serial No. 366,781
10 Claims. (Cl. 240—1.3)



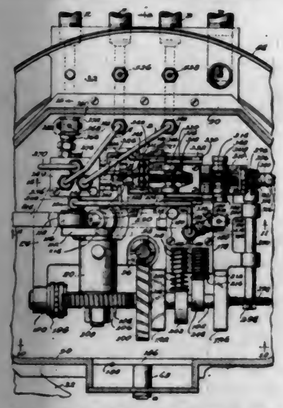
1. An illuminating apparatus for photographic and copy reproduction machines, including a source of light for illuminating an object to be reproduced having portions of its exposed surface at varying distances from said source, movable means for causing light from said source to sweep over the exposed surface of the object, and mechanism for moving said means at varying speeds in one direction and then in the opposite direction to cause the light to fall for a greater period of time on portions of the surface of the object which are farthest from the light source than on portions of the surface which are nearest the light source.

2,260,496
REFRIGERATOR CAR
Victor E. West, New Kensington, Pa., assignor to Standard Railway Devices Company, a corporation of Delaware
Application April 14, 1939, Serial No. 267,788
13 Claims. (Cl. 62—17)



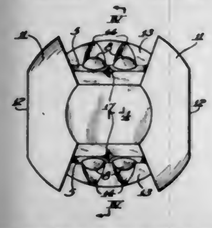
1. In a refrigerator having spaced apart walls and a roof extending therebetween, the combination of spaced apart refrigerant containers below said roof, supporting carlines for said containers extending between said walls, a drip pan below each of said containers under said carlines, said carlines having upwardly offset portions between said containers and spaced apart partitions upstanding from the adjacent edges of said drip pans and positioned below said offset portions thereby providing an uninterrupted joint between said drip pans and said partitions.

2,260,497
LUBRICATING SYSTEM AND APPARATUS
John B. Whitted, Glencoe, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application August 9, 1939, Serial No. 289,227
11 Claims. (Cl. 184—7)



1. In a centralized lubricating system for a plurality of parts requiring lubrication, the combination of a spring operated priming pump, a pressure accumulator receiving lubricant from said priming pump, a high pressure pump having its inlet connected to said accumulator, a pair of pressure lines for supplying lubricant to measuring valves, and means for alternately connecting the outlet of said high pressure pump to said pressure lines, said means comprising a by-pass controlling plunger, a slide valve, means for periodically moving said slide valve in one direction, and means including said plunger for moving said slide valve in the opposite direction.

2,260,498
HIGHWAY TRAFFIC MARKER
Leslie M. Wise, McKeesport, Pa., assignor of one-half to William L. Kann, Pittsburgh, Pa.
Application October 14, 1938, Serial No. 234,984
2 Claims. (Cl. 88—79)

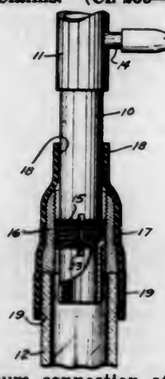


1. A traffic marker comprising a shank adapted to be embedded in a pavement, a head at the upper end of the shank for projecting above the pavement and having two opposite sides provided with inwardly and downwardly extending recesses, flanges projecting laterally from the head between said recessed sides and having upper surfaces inclined downwardly toward their outer edges, a fillet surrounding the head directly below said flanges, the outer end of each recess being disposed below the upper surface of the adjoining portion of the fillet, said upper surface of the fillet being adapted to be disposed substantially in the plane of the upper surface of the pavement, said upper surface being provided with a groove extending inwardly and downwardly to each recess, and reflector buttons mounted in said recesses with the bottoms of their outer ends below said upper surfaces of the adjoining fillet.

2,260,499
APPLICATION OF MUD-LADEN OR DRILLING FLUIDS
Frederick B. Williams, Los Angeles, Calif., assignor to National Lead Company, Los Angeles, Calif., a corporation of New Jersey
No Drawing. Application May 16, 1938, Serial No. 208,230
6 Claims. (Cl. 252—8.5)

2. A dry material for a mud-laden or drilling fluid, comprising, a finely divided, suspendable base, the particles of which are coated with a reversibly hydratable concentrated colloidal suspending agent.

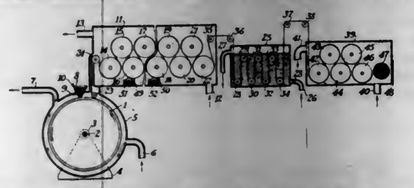
2,260,500
VACUUM CONNECTION
Arthur R. Wylie, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware
Application May 31, 1941, Serial No. 395,976
3 Claims. (Cl. 285—2)



1. In a vacuum connection of the class described, a glass tube, a tube having an external screw thread, a tubular member having an internal screw thread coacting therewith for adjustably securing the tubular member longitudinally on the tube so as to cause it to bear upon the end of the glass tube held in alignment with the tube to prevent said tubes from telescoping, the tubular member being of substantially the same external diameter as the glass tube, and elastic tube means impervious to air tightly enclosing one of the tubes and an adjoining tubular element to seal the space between the same.

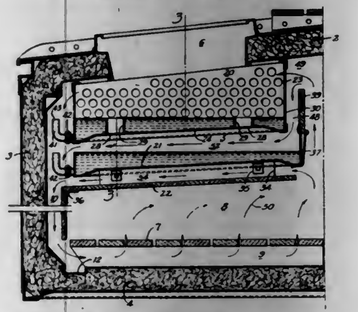
2,260,501
METHOD OF MAKING UNIAXIAL LOW SHRINKAGE CELLULOSE DERIVATIVE SHEETING
Clarence L. A. Wynd, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application March 26, 1937, Serial No. 133,272
7 Claims. (Cl. 18—57)

1. The method of making a cellulose derivative sheet or film adapted for use as support for aero and similar types of photographic film and having substantially no tendency toward irreversible shrinkage and substantially the same lengthwise as widthwise swell and shrink amplitude, which comprises depositing a solution of a cellulose derivative in a volatile solvent in the form of a film on a film-forming surface which has such a degree of smoothness or polish as will permit stripping of the film therefrom without appreciable stretching while the film contains not over about 10% residual solvent, removing solvent until the film contains not over about 10% residual solvent, thereupon stripping the film from the film-forming surface under a tension less than that which causes appreciable stretching of the film



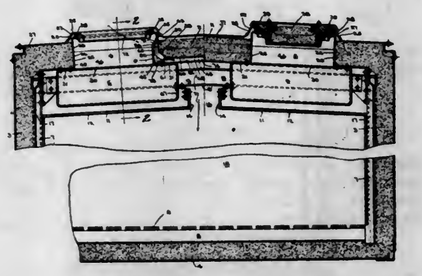
and orientation of the micelles thereof, reducing the remaining residual solvent to a value corresponding to not over about 5% while the film is under a tension insufficient to stretch the film material and orient the micelles thereof, and thereafter releasing any residual internal mechanical strains which may have unavoidably accumulated in the film through handling incident to stripping and curing, by subjecting the film to a hot water annealing treatment while maintained under substantially no tension or at least a tension insufficient to elongate the film and orient the micelles thereof.

2,260,502
REFRIGERATOR CAR
Kurt E. Zeidler, Pittsburgh, Pa., assignor to Standard Railway Devices Company, a corporation of Delaware
Application April 14, 1939, Serial No. 267,789
10 Claims. (Cl. 62—17)



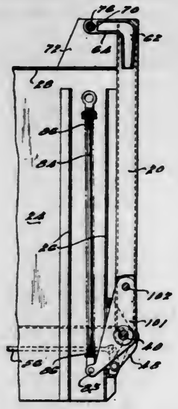
1. In a refrigerator having a roof and a wall, the combination of refrigerating means near said roof and a flue associated with said wall to conduct air from said means to the lower part of the car, said means comprising a container having a liquid retaining lower portion, a pan spaced below said container to provide a space therebetween, a partition spaced below said pan to provide a duct therebetween, and means to overflow a liquid from said lower portion to said pan, the elements being arranged so that air is refrigerated upon flowing through said space and said duct.

2,260,503
REFRIGERATOR CAR
Kurt E. Zeidler, Chicago, Ill., assignor, by mesne assignments, to Standard Railway Devices Company, a corporation of Delaware
Application November 17, 1939, Serial No. 304,989
16 Claims. (Cl. 62—17)



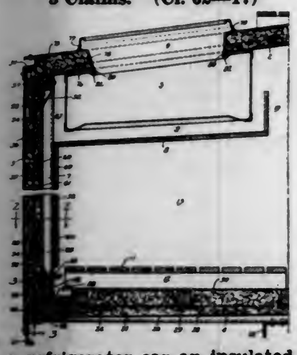
1. In a refrigerator car having a roof, a hatch in the roof, a refrigerant container below said hatch and adapted to be loaded therethrough, a ventilating duct associated with said roof and communicating between said hatch and the interior of the car and a relatively small aperture providing communication between said duct and said container.

2,260,504
COUNTERBALANCED TAIL GATE
Edward R. Barrett, Detroit, Mich., assignor to Gar Wood Industries, Inc., Detroit, Mich., a corporation of Michigan
Application August 8, 1940, Serial No. 351,817
13 Claims. (Cl. 296—51)



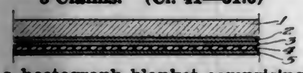
1. In a vehicle body, an upright gate, releasable means connecting said gate to said body for pivotal movement about the top of said gate, releasable means connecting said gate to said body for pivotal movement about the bottom of said gate, and counterbalance means associated with said gate effective to urge said gate to its closed position only when said first-named means is released and said second-named means is connected.

2,260,505
REFRIGERATOR CAR
Charles D. Bonsall, Pittsburgh, Pa., assignor to Standard Railway Devices Company, Chicago, Ill., a corporation of Delaware
Application April 20, 1939, Serial No. 269,003
3 Claims. (Cl. 62—17)



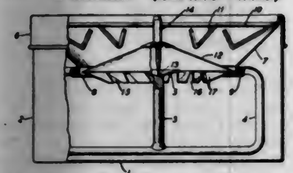
1. In a refrigerator car an insulated floor, an outer side sill, a transversely extending floor beam embedded in the floor insulation and supported at one end by said sill, an inner side sill supported by and insulated from said beam, substantially vertical posts secured at their lower parts to said inner sill, lining secured to said posts, sheathing spaced outwardly from said lining, and insulation between said lining and said sheathing.

2,260,506
HECTOGRAPH BLANKET HAVING AN ACIDIC BONDING AGENT
Robert C. Bour, Chicago, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of Virginia
Application January 8, 1940, Serial No. 312,929
8 Claims. (Cl. 41—31.6)



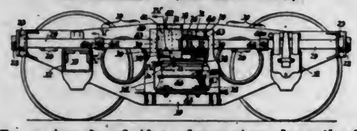
1. In a hectograph blanket comprising a gelatinous copy mass and a backing, means for securing the copy mass to the backing consisting of a non-tanning composition comprising a substance selected from the group consisting of carboxylic acids and salts thereof which dissociate in water to form the corresponding carboxylic acid.

2,260,507
ASH RECEPTACLE
John Campbell, New York, N. Y.
Application July 10, 1937, Serial No. 152,886
1 Claim. (Cl. 220—20.5)



An ash receptacle comprising a housing having side walls, a bottom, a top, an annular rim in said top inclined inwardly and extending downwardly from said top a vertical distance and leaving a central opening, a support centrally of the bottom extending upwardly to the region of the lower portion of the annular rim, a flange tapering to a lowermost central point on said support, a closure in said central opening comprising a light weight conical member of a height less than said distance and of a base diameter closely approximating the diameter of said central opening and in substantially the plane thereof and whose center of gravity is below said flange and central of the support when the closure is in the closing position, and a central pivot extending downwardly from the apex region of the closure and terminating in a point support cooperating with the flange permitting tilting said closure and preventing the falling of the closure from said support while providing maximum clearance between the annular rim and the surface of the closure on the tilting of the closure.

2,260,508
SPRINGING FOR RAILWAY TRUCKS
Isaac M. Chambers, Narberth, Pa.
Application June 12, 1940, Serial No. 340,027
10 Claims. (Cl. 105—197)



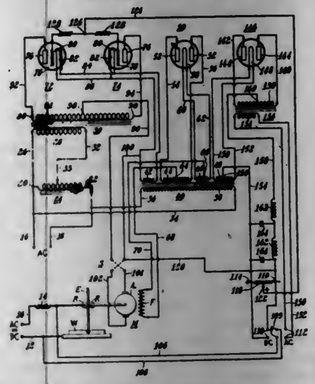
1. In a truck of the character described, the combination with a side frame having provision for mounting the truck axles and wheels, and also having a window opening, and a load-sustaining bolster movable up and down relative to said side frame in said window opening, of a longitudinal elastic torsion member extending lengthwise of the truck and anchored to said side frame against turning; means for connecting said torsion member to the bolster at a substantial distance from the anchorage of said torsion member to the side frame, and thus elastically transmitting the load on the bolster to the side frame through said torsion member; and a spring cushion in the window opening of said side frame under the bolster, for engaging the bolster and coacting with said torsion member in elastically transmitting the load on the bolster to the side frame.

2,260,509
ATTACHMENT PLUG
Nathan Chirelstein, Maplewood, N. J.
Application June 27, 1940, Serial No. 342,649
1 Claim. (Cl. 173—361)



A one piece blade for attachment plugs, comprising a single strip of thin sheet metal doubled upon itself into the form of a stem portion and a spring branch portion, said stem portion being substantially straight and having an integral attaching base by which the stem may be mounted in a plug cap, said spring branch portion being inclined away from the straight stem portion, an integral spring tongue struck out of the material of the stem portion between the edges of said stem portion, said spring tongue extending from near the free end of the stem portion on an incline in the same general direction as the spring branch portion and engaging at its free end the inside face of said spring branch portion near the free end of the latter and angularly turned flanges along the longitudinal edges of said stem portion bracing and stiffening the latter to compensate for weakness resulting from striking the spring tongue out of the same.

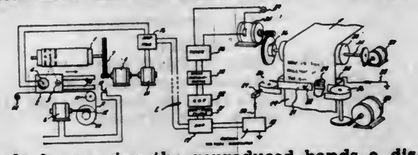
2,260,510
AUTOMATIC ELECTRIC WELDING
Edwin A. Clapp, Niagara Falls, N. Y., assignor to The Linde Air Products Company, a corporation of Ohio
Application July 2, 1940, Serial No. 343,523
12 Claims. (Cl. 219—8)



3. An electric welding system comprising, in combination, a welding circuit including a fusible electrode and the work to be welded, said circuit being adapted to utilize either direct current or alternating current for welding; means, including an electric motor, for feeding said electrode toward said work; means controlling the energization of said motor in accordance with an electrical condition of said welding circuit; rectifying means electrically connected to such controlling means; and means selectively operable to connect either such controlling means to said welding circuit when said welding circuit is utilizing direct current or to connect said rectifying means to said welding circuit when said welding circuit is using alternating current.

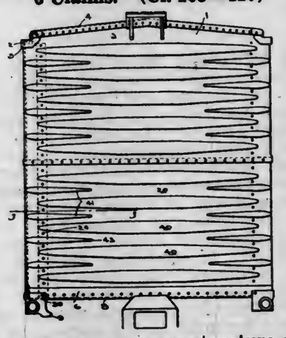
2,260,511
SPACING CONTROL FOR TELEFACSIMILE SYSTEMS AND THE LIKE
Austin G. Cooley, New York, N. Y., assignor, by mesne assignments, to Times Telephoto Equipment Inc., New York, N. Y., a corporation of New York
Application March 11, 1940, Serial No. 323,366
28 Claims. (Cl. 178—7.6)

1. In a system for transmitting visible representations to a distance, a transmitting scanner for scanning subject matter arranged in transverse bands with successive bands spaced a certain distance from each other to transmit electric signals representing said bands, means controlled by said signals to reproduce said bands, and means controlled by the absence for a predetermined time of signals representing said



bands for spacing the reproduced bands a distance which is greater than said first-mentioned distance.

2,260,512
RAILWAY CAR END STRUCTURE
Charles E. Crede, Chicago, Ill., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application December 20, 1939, Serial No. 310,101
6 Claims. (Cl. 105—410)



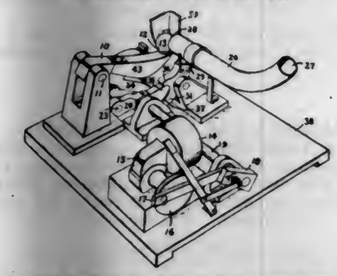
1. In a railway car corner structure comprising a vertical member, a wall sheet comprising a body part formed with a flange, means to secure the body part of the wall sheet to said member and means disposed in spaced relation to the first mentioned means to secure the flange of the wall sheet to said member, the flange of the wall sheet being formed on a curve of relatively large radius to form an arch substantially between the first mentioned and second mentioned means, a part of said member between said first mentioned and second mentioned means being spaced from said arch to form a box structural beam, said wall sheet being formed with a plurality of substantially horizontal corrugations which terminate and merge into the uncurved part of said sheet in overlapping relation with said first mentioned means, and a plurality of minor corrugations between the first mentioned corrugations and in overlapping relation therewith, said minor corrugations extending substantially around said arch.

2,260,513
MANUFACTURE OF CURLED ARTIFICIAL FIBERS
Hermann Deile, Berlin-Karlshorst, Germany, assignor, by mesne assignments, to Walther H. Duisberg, New York, N. Y.
No Drawing. Application April 12, 1939, Serial No. 267,520. In Germany April 16, 1938
5 Claims. (Cl. 8—129)

1. In a process of curling artificial fibers of the class consisting of cellulose esters and cellulose ethers, the improvement which comprises treating said fibers with hot aqueous solutions containing water-soluble, low-molecular, non-

resinous products obtained by condensing an aldehyde selected from the class consisting of formaldehyde and acetaldehyde with ammonia.

2,260,514
GOLF BALL TEEING DEVICE
Ernest Duchesne, Schenectady, N. Y.
Application March 16, 1939, Serial No. 262,121
5 Claims. (Cl. 273—33)



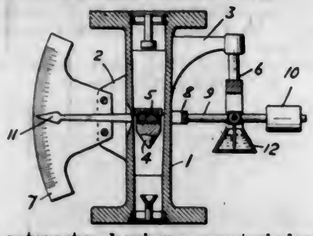
1. A golf ball teeing device comprising an arm having a substantially horizontal pivot and a seat for a ball on its free end, means for feeding balls to said seat when in its lowermost position, a second arm provided with a shutter cooperating with said feeding means to control the discharge of balls therefrom, a third arm having an intermediate pivot and its opposite ends alternately engaging said first two arms to raise and lower said first arm and oscillate said second arm to discharge a ball to said seat when said third arm is oscillated back and forth through a predetermined angle, driving means for said third arm, a separate member for supporting said shutter forming a part of said second arm and mounted on the same pivot as said second arm, spring means normally holding said member in a predetermined relation with said second arm, and means for holding said member to prevent the discharge of a ball to said seat.

2,260,515
METHOD FOR EXTINGUISHING FIRES IN BALED AND LOOSELY PILED MATERIALS
Harry Ensminger, Chicago, and Clarence H. Caughey, Aurora, Ill., assignors to Cardox Corporation, Chicago, Ill., a corporation of Illinois
Application December 14, 1938, Serial No. 245,776
2 Claims. (Cl. 169—11)



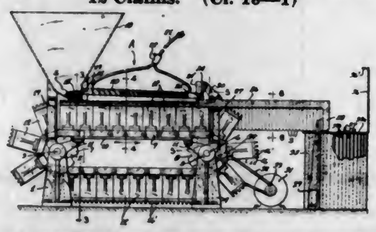
2. A method of extinguishing fires which are deeply seated relative to the exposed surface of the combustible material being consumed, comprising maintaining a supply of liquid carbon dioxide at a sub-atmospheric temperature and its corresponding low vapor pressure, conducting said carbon dioxide as a liquid at a sub-atmospheric temperature and pressure to a location adjacent or approximately within the combustion zone of the fire, allowing said liquid carbon dioxide to suddenly expand at said location to form a mixture of vapor and snow, and discharging said mixture in a plurality of radial directions at a velocity and pressure which is sufficiently low to prevent the formation of flues in the material through which the carbon dioxide vapors of said mixture and those resulting from sublimation of the snow may directly escape, said vapors thereby being compelled to expand uniformly in all directions throughout the void spaces provided by the combustible mixture to reduce the oxygen concentration below that which is necessary to support combustion.

2,260,516
ROTAMETER
Walter Gerber, Philadelphia, Pa., assignor to Schutte & Koerting Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 22, 1939, Serial No. 280,499
1 Claim. (Cl. 73—209)



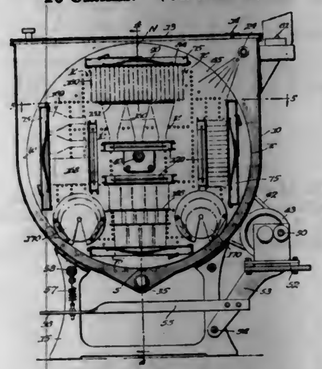
In a rotameter, having a counterbalanced pivotally mounted index and its scale arranged outside of a metering tube of non-magnetic material and having a magnet carried by the index in proximity with the tube, the combination of a rotatable top shaped float which is self-centering in the tube and which rises and falls in and clear of the wall of the tube in consonance with flow through the tube, with an iron armature arranged as a core in the body of the float, the width of the armature and of the magnet being substantially the same and the armature being cylindrical, whereby the iron armature is protected from rust by the body of the float and accuracy is promoted by the absence of contact and friction between the float and the tube walls.

2,260,517
MACHINE FOR PRODUCING BENT SIPPERS
Francis C. Hamilton, Columbia, Ill., assignor of one-half to L. Ray Schuessler, St. Louis, Mo.
Application November 30, 1939, Serial No. 306,809
12 Claims. (Cl. 18—1)



1. A machine for producing bent sippers comprising a traveling conveyor, a heat-producing element disposed above said traveling conveyor in vertically spaced relation with respect thereto, and sipper-receiving members carried by said traveling conveyor for traveling movement therewith, said sipper-receiving members including spaced sipper-supporting portions between which unsupported portions of thermo-plastic sippers carried by the sipper-receiving members are suspended, said suspended portions of the sippers being carried by said sipper-receiving members beneath and in proximity to said heat-producing element whereby heat applied to said suspended sipper portions by said heat-producing element will cause the sippers to sag to a bent condition, and said heat-producing element being so disposed with relation to said suspended portions of said thermo-plastic sippers that heat produced thereby is concentrated at a predetermined portion only of the suspended portion of each thermo-plastic sipper as it passes beneath said heat-producing element.

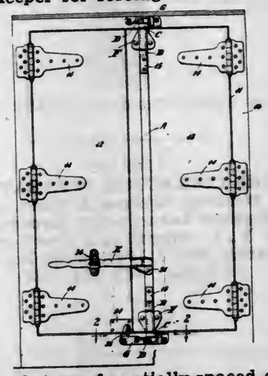
2,260,518
WASHING MACHINE
John H. Hamilton and David B. Nicholson, Raleigh, N. C.
Application January 24, 1938, Serial No. 186,691
16 Claims. (Cl. 141—9)



1. In a washing machine, a rotatable drum comprising a pair of opposed end plates, each of said plates having a multitude of systematically arranged openings therein throughout a major portion of the area of said plates, said systematic arrangement comprising a plurality of non-radial parallel lines of openings, and a second plurality of parallel lines of openings which are arranged perpendicular to said first-named lines of openings, a plurality of removable compartment forming devices of length substantially equal to the distance between the inner faces of said plates, said devices having means at their ends to latch in selected of said openings in said plates, whereby a varied number of compartments of various sizes and shapes may be formed between said plates to accommodate different sizes and shapes of articles to be washed, said compartments utilizing substantially the entire volume of space between said plates.

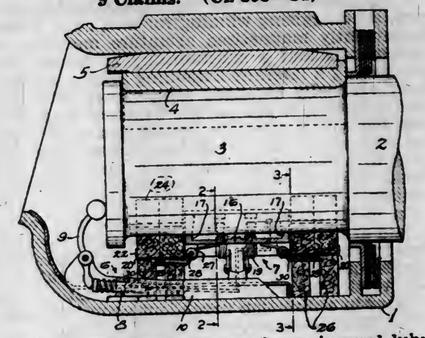
2,260,519
DOOR FASTENER
Stacy B. Haseltine, La Grange, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application February 13, 1939, Serial No. 256,024
9 Claims. (Cl. 292—241)

1. In a door fastener, the combination with a rotary operating bar mounted on the door; of a fixed keeper having an abutment wall extending lengthwise of the car and a pair of laterally spaced, inwardly facing abutment faces at opposite sides of a plane coincident with the axis of rotation of said bar and normal to the door; a cam projection on said bar engageable with said abutment wall for forcing said door outwardly; additional cam means on said bar engageable with said keeper for forcing the door inwardly;



and a pair of circumferentially spaced concentric locking faces on said bar engageable with said laterally spaced abutment faces of the keeper for holding the door closed.

2,260,520
LUBRICANT DISTRIBUTOR
James J. Hennessy, Montclair, N. J.
Application July 5, 1940, Serial No. 343,984
9 Claims. (Cl. 308—84)

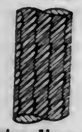


1. In a distributor device for a journal lubricator of the class described, a substantially rigid shallow pan-like member having an upper face arranged for application to a journal, a shallow pan-like extension at the end of said member and mounted at its lower portion on the lower portion of said member for relative vertical movement and provided with a pad of absorbent material having an upper face arranged for application to the journal, and means on said member for thrusting said extension against the journal to which the device is applied.

2,260,521
FABRIC COVERED STRAND
George E. Henning, Fallston, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 28, 1938, Serial No. 210,617
6 Claims. (Cl. 66—190)

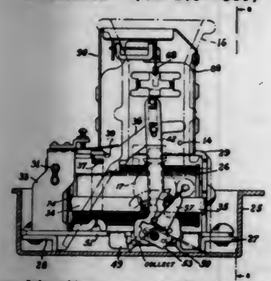
1. A strand having a knitted fabric covering comprising a plurality of threads knitted into a plurality of courses of loops, each course com-

prising in alternation a plurality of adjacent loops and a float crossing a loop of an adjacent



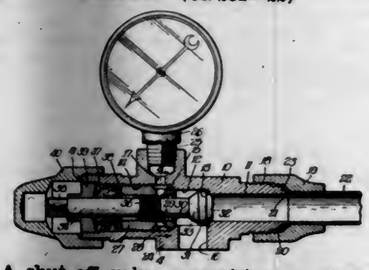
course, the wales extending spirally around the strand.

2,260,522
COIN COLLECTOR APPARATUS
Harley A. Henning, Greenwich, Conn., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 7, 1940, Serial No. 333,770
2 Claims. (Cl. 175—339)



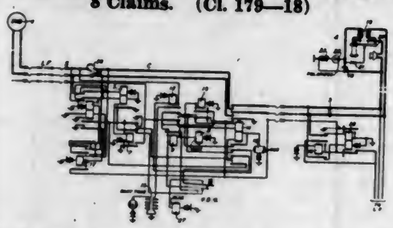
1. In combination, an electromagnet having a core, an energizing winding for said core, a non-permanently magnetized armature mounted for movement about a substantially horizontal axis and having a laterally extending arm, a substantially vertically arranged arm, one of said arms having a slot, a pin on the other of said arms disposed within said slot, spring means for biasing said pin to one end of said slot to cause said arms to move substantially as a unit when said armature is moving from normal to attracted position while permitting said second arm to remain in its attracted position during the return of said armature to its normal position, a permanent magnet mounted on said vertically arranged arm, a rotatable member, and means actuated by said vertically arranged arm for rotating said member in a direction dependent upon the polarity of the voltage applied to said winding.

2,260,523
VALVE
Guy J. Henry, Chicago, Ill.
Application December 9, 1938, Serial No. 244,737
4 Claims. (Cl. 251—22)



1. A shut-off valve, comprising an elongated one-piece body which is bored from one end to the other to provide an inlet bore at one end, an enlarged valve chamber bore beyond the inlet bore in communication with the latter, a shut-off seat at the junction of said bores, a still further enlarged and threaded bushing bore beyond the valve chamber bore in communication with the latter, and a bushing seat at the junction of said last two mentioned bores, said body being also bored transversely to provide a main outlet from the valve chamber bore and a supplemental outlet from the bushing bore; an exteriorly and interiorly threaded back-seat bushing screwed into the bushing bore in sealed engagement with the bushing seat, said bushing having an annular groove in its outer periphery in register with the outlet in the bushing bore and one or more radial openings in communication with the groove, a back seat on the front end of the bushing, a reciprocating valve positioned in the valve chamber bore for engagement in one direction with the shut-off seat and in the opposite direction with the back seat, a stem on the valve having a threaded section screwed into the bushing at a point behind the radial openings in the latter, axially compressed packing means in the bushing bore about the valve stem in axial abutment with the rear end of the bushing.

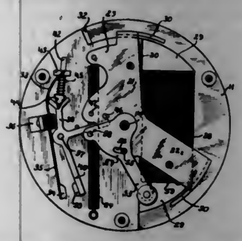
2,260,524
TELEPHONE SYSTEM
Ralph E. Hersey, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 4, 1937, Serial No. 146,356
8 Claims. (Cl. 179—18)



1. In a telephone system, a central office, a subscriber's station, a line connecting said office and station, a source of talking current connectable to said line at said central office, a ringer at said station having a winding and circuit means at said station including a gas-filled discharge tube connected to said winding and operative in response to the continuous flow of current from said source over said line for producing an intermittent current through said winding for the corresponding intermittent operation of said ringer.

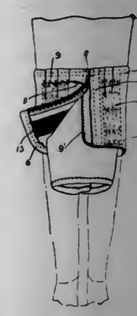
2,260,525
ELECTRIC CLOCK
John W. Hobbs, Springfield, Ill., assignor to John W. Hobbs Corporation, Springfield, Ill., a corporation of Delaware
Original application April 28, 1939, Serial No. 270,523. Divided and this application November 13, 1939, Serial No. 303,984
11 Claims. (Cl. 185—11)

1. In a spring-driven timing device, a rewind mechanism including a magnetically actuated armature for stressing the driving spring, an energizing circuit for said mechanism, a switch having contacts for opening and closing said circuit, a member carried by said armature and supported thereon for relative movements, said member being movable under its inertia, upon cessation



of rewinding movement of the armature, to a position for opening said contacts.

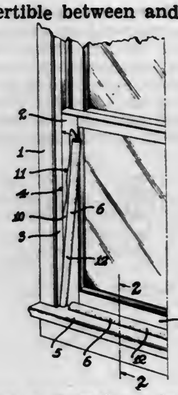
2,260,526
WATERPROOF SLEEVE FOR CANVAS BREECHES
John J. Hodovan, Lorain, Ohio
Application May 5, 1941, Serial No. 391,844
2 Claims. (Cl. 2—227)



1. As an article of manufacture, a pair of breeches having a limb encircling portion, a water-proofed sleeve secured to the outer face of the limb encircling portion of the breeches adjacent the knee portion thereof, the sleeve having a vertically slotted portion, separable fastening means for closing said slotted portion to draw the opposite ends of the sleeve together, vertically extending elastic portions adjacent to said slotted portion and disposed on either side thereof snugly holding the sleeve in position upon said limb encircling portion whereby moisture is prevented from entering boots adapted to be worn with said garment and with which said sleeve is adapted to have contact.

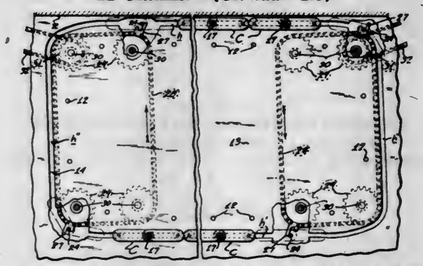
2,260,527
WEATHER STRIPPING
Edward J. Klein, Port Washington, N. Y.
Application August 9, 1940, Serial No. 352,011
2 Claims. (Cl. 20—69)

1. Weather stripping consisting of a metal plate, a cover of cushioning material shaped to and engaging around the longitudinal edges of said plate, and an offset metal strip integral with the metal plate projecting from approximately the center and disposed at an angle of approximately 45 degrees to the metal plate, said offset strip being slightly curved transversely and the free edge of the offset strip curving to approach the adjacent edge of the plate, the strip being insertible between and parallel with



a window casing and sash or between a door frame and door.

2,260,528
CARRIER OR CONVEYER
William M. Levy and Carl I. Burgman, St. Louis, Mo.
Application January 18, 1940, Serial No. 314,394
11 Claims. (Cl. 211—1.5)

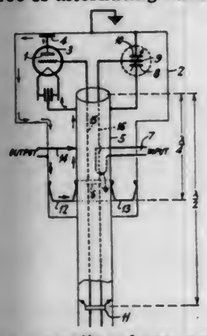


1. A conveyer including an endless trackway having upper and lower runs and connecting end-runs, a series of separate carriages mounted for movement on the trackway, each of said carriages including a set of spaced rollers and links pivotally connecting said rollers, shafts projecting from the carriages, and means comprising synchronously moving yoke-members disposed adjacent the end-runs successively detachably engageable with said shafts for, in a spaced consecutive series, lowering the carriages from the upper to the lower run, elevating the same from the lower to the upper run, and shifting the same partially along the upper and lower runs.

2,260,529
ULTRA SHORT WAVE SYSTEM
Nils E. Lindenblad, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application June 19, 1937, Serial No. 149,054
30 Claims. (Cl. 179—171)

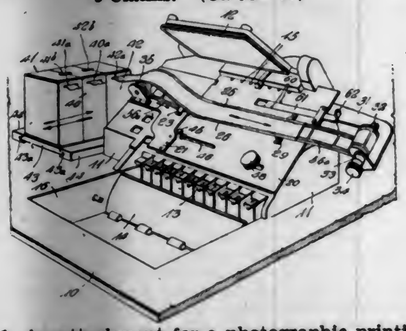
28. In an amplifier, an electron discharge device having anode, cathode and grid electrodes, another device having elements whose characteristics simulate those of the electrodes of said electron discharge device, means for grounding the anode of said electron discharge device and the corresponding element of said second device through a path of low impedance to energy of

the operating frequency, means for causing the instantaneous potential on said grid and on the element of said second device corresponding to said grid to vary, respectively, in accordance with the instantaneous potential of said cathode and that element of said second device which corresponds to said cathode, an input circuit comprising a source of alternating voltage, means for



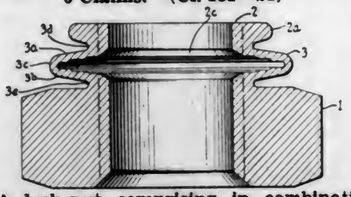
superimposing opposite phase potentials from said source on said grid and that element of said second device which corresponds to said grid, and means for deriving output current from a portion of said amplifier which is entirely separate both from said input circuit and from the connections extending from said input circuit to said grid and to the corresponding element of said second device.

2,260,530
PHOTOGRAPHIC PRINTING MACHINE
Anthony Ludwig, Washington, D. C.
Application January 5, 1939, Serial No. 249,487
6 Claims. (Cl. 95—75)



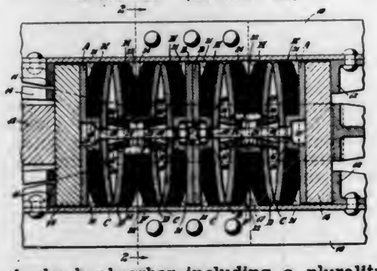
1. An attachment for a photographic printing machine comprising a frame having a face plate, a guide in the face plate, the guide having a protective lining to prevent injury to the negative and being of a width to receive a perforated film negative, a light opening the size of a picture, a slot in the plate extending in the direction of negative travel, a manually operated slide, a ratchet operated by the slide and having a portion in position to pass through the slot to engage the negative openings when operated, and an adjustable mask means including a slidable plate having an opening, the slidable mask plate being along the side of the light opening and having a mask opening adjustable to expose the film exposure number and over the path of the film portion adjacent the edge of the negative.

2,260,531
LOCK NUT
Richard Waterman Luce, Westfield, N. J.
Application February 2, 1939, Serial No. 254,216
6 Claims. (Cl. 151—21)



4. A lock-nut comprising in combination a tapped body portion having the load carrying threads therein, a bellows-like resilient portion at one end of the body portion including spaced, substantially radial walls, one extending and spaced from the body portion and joined thereto in a smooth curve, a smaller tapped portion connected with the resilient portion and axially spaced from the body portion, the resilient portion normally maintaining the two tapped portions with the threads thereof out of phase, and a circumferential reinforcing bead on the smaller tapped portion extending radially outwardly beyond the inner end of the other radial wall of the resilient portion, axially spaced therefrom and joined thereto in a smooth curve.

2,260,532
SHOCK ABSORBER
James E. Lindeman, Evanston, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application June 28, 1939, Serial No. 281,521
11 Claims. (Cl. 213—40)

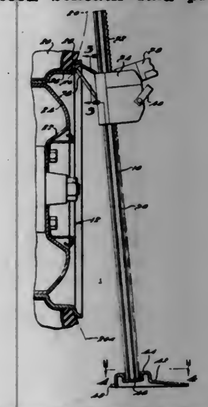


1. A shock absorber including a plurality of transversely disposed rubber pads and transversely curved spring plates, said plates being arranged in pairs of adjacent plate members, the members of each pair being curved reversely with respect to each other and having their concave sides facing each other with their outer edges in bearing contact with each other throughout the entire compression stroke of the mechanism, said plates of each pair having their convex sides bearing on said rubber pads.

2,260,533
LIFTING MECHANISM
Joseph J. Mizer, Racine, Wis., assignor to Walker Manufacturing Company of Wisconsin, Racine, Wis., a corporation of Wisconsin
Application May 6, 1940, Serial No. 333,457
5 Claims. (Cl. 254—133)

1. A lifting device for a vehicle wheel, said wheel having an outwardly projecting part associated therewith, comprising a base adapted to

rest upon a supporting surface, a column carried by the base and extending upwardly therefrom, the column being tiltable but substantially non-rotative about its longitudinal axis relative to the base, a head carried by the column, said head having a lifting part immediately adjacent the axis of the column but offset therefrom and formed to hook beneath said projecting part,



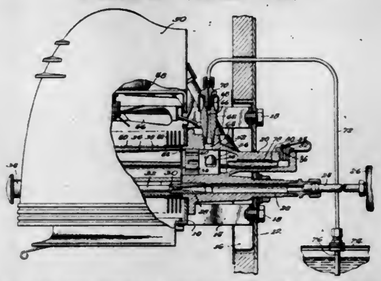
said base, column and head being so related to each other that when said base is positioned on said supporting surface immediately adjacent the base of a tire associated with said wheel said lifting part engages under and in lifting relation to said projecting part, and means operatively associated with said lifting device for raising said head relative to the column so as to lift said wheel.

2,260,534
VENTILATOR FOR CORRUGATED STRUCTURES
Paul G. Masters, Huntington Valley, Pa., assignor to Pennsylvania Wire Glass Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 18, 1939, Serial No. 309,771
3 Claims. (Cl. 189—69)



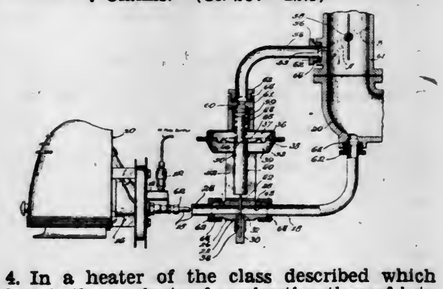
1. For a corrugated sheet building wall construction including a ventilator comprising a fixed frame mounted in an opening in the wall and a movable frame pivotally mounted in the fixed frame for movement about a horizontal axis, the improvement which comprises the combination of adjacent side elements of the fixed and of the movable frames arranged with their confronting faces in spaced relation, trough shaped sections of thin metal strips secured respectively above the pivotal mounting to the outside surface of the side element of the movable frame and below the mounting to the outside face of the side element of the fixed frame, one of the flanges of the trough shaped strips spanning the space between the side elements and the other flange being shorter than the first and partially spanning said space, Z-shaped strips of thin metal secured respectively to the inside face of said elements and having one of their flanges overlapping the last mentioned short flange and having another of their flanges projecting from the inside face of the side elements and provided with clips for holding an edge of the corrugated sheets, and weather strips secured to said clips and overlying the corrugated sheets and inturned between a flange of the Z-shaped strips and the shorter flange of the trough shaped strip.

2,260,535
AUTOMOBILE HEATER
Henry J. De N. McCollum, Evanston, Ill.
Application April 6, 1938, Serial No. 200,316
3 Claims. (Cl. 158—28)



1. In an automobile heater of the internal combustion type, the combination of a body of heat conducting material having a combustion chamber formed therein, means to supply a combustible mixture of fuel and air to said chamber, and means to supply auxiliary air to said chamber, said last-named means comprising a metallic wool-filled elongated tube in heat conducting relationship with said body and a plug having a metering orifice for regulating the rate at which auxiliary air may flow into said tube and therethrough to said combustion chamber.

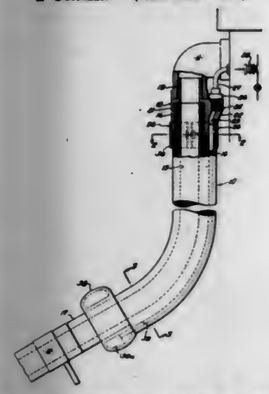
2,260,536
AUTOMOBILE HEATER
Henry J. De N. McCollum, Evanston, Ill.
Application October 10, 1938, Serial No. 234,137
7 Claims. (Cl. 237—12.3)



4. In a heater of the class described which exhausts the products of combustion thereof into

the intake manifold of an internal combustion engine, the combination of a conduit having a bore of predetermined cross sectional area through which said products of combustion are conducted by vacuum from the heater to said manifold, a transverse cylinder opening into and of the same size as said bore, a piston reciprocally mounted in said cylinder having a spherical headed portion movable to and from a position partly obstructing said bore, and means responsive to a high degree of vacuum in said manifold for normally holding said piston in partly obstructing position and for moving said piston to non-obstructing position when the degree of vacuum in said manifold is low.

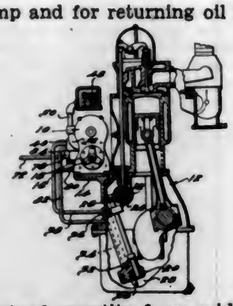
2,260,537
GASOLINE DISPENSING HOSE
David J. Nelson, Salisbury, Md., assignor to Martin & Schwartz, Inc., Salisbury, Md.
Application March 18, 1940, Serial No. 324,454
1 Claim. (Cl. 285—71)



In a gasoline dispenser having a discharge fitting, a dispensing hose having integral gasoline and control fluid passages, said control passage being of a small diameter relative to said gasoline passage, a coupling having passages therethrough registering with said gasoline and control fluid passages of the hose, said coupling and hose being formed to provide a leak-proof connection of the large passages thereof, a tube connecting the small passages in the fitting and hose, clamping means engaging about the fitting and adjoining portion of the hose, said means being formed to apply a light compressive load to said adjoining portion of the hose, and interengaging means on the coupling and discharge fitting for establishing liquid communication between the gasoline passage of the hose and said fitting.

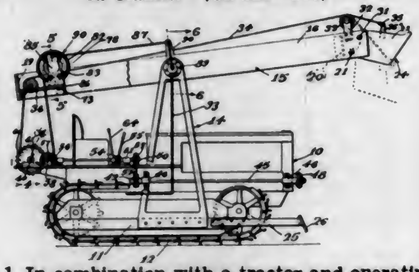
2,260,538
COMPRESSOR SYSTEM
Humphrey F. Parker, Detroit, Mich.
Application May 21, 1938, Serial No. 209,181
2 Claims. (Cl. 184—6)

1. The combination of an engine, a compressor associated with said engine, an oil reservoir in said engine constituting a source of lubricant therefor, means including a pump and a fluid line for delivering oil from said reservoir to said compressor, means for controlling the quantity of the oil so delivered, and means associated with said compressor for separating the oil entrained with the compressed fluid from said fluid at a pressure in excess of that developed by said pump and for returning oil in excess of



a predetermined quantity from said last named means to said fluid line.

2,260,539
TRACTOR SHOVEL
William Ruddock, South Pasadena, Calif., assignor of one-half to Marion P. McCaffrey, Los Angeles, Calif.
Application December 26, 1939, Serial No. 310,940
12 Claims. (Cl. 214—140)

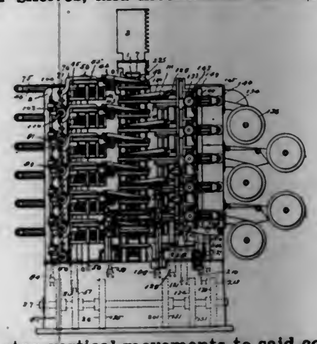


1. In combination with a tractor and operating means therefor of a hoisting beam pivotally mounted on said tractor, a dipper pivotally mounted on said beam adjacent one end thereof, a hoisting drum mounted on said tractor frame, an engine, a transmission mechanism interconnected with said engine and hoisting drum, cables connecting said dipper with said hoisting drum to operate the beam to raise the dipper, a clutch interposed in said transmission mechanism for imparting rotation to said hoisting drum when elevating said dipper, means mounted on said beam for holding one end of beam in elevated position including a stationary housing secured to said beam, a shaft rotatably mounted in the housing, a spring having one end connected to the housing and the other end to the shaft, a pulley secured to the shaft, cables engaging the pulley and connected to the frame of said tractor, and a brake secured to said pulley for holding the same against rotation whereby to hold the dipper in elevated position, when discharging the contents of the dipper.

2,260,540
COLLATING MACHINE
Carl Schramm, North Coventry, Conn., assignor to The Smyth Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application April 28, 1941, Serial No. 390,771
42 Claims. (Cl. 270—52)

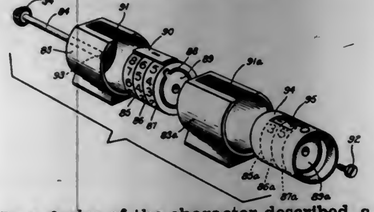
1. A collating machine comprising a vertically positioned endless conveyor having projecting shelves, a plurality of paper supporting tables located one above the other at one side of the path of said shelves, a plurality of carbon supporting tables located one above the other at

the other side of the path of said shelves, said paper tables and carbon tables alternating in height, means for transferring sheets from the paper tables onto conveyor shelves, means for transferring sheets from the carbon tables onto conveyor shelves, and mechanism for imparting



step by step vertical movements to said conveyor and causing the conveyor shelves to dwell in succession opposite a paper transfer and then opposite a carbon transfer, whereby sheets of paper and carbon will be superposed alternately on conveyor shelves.

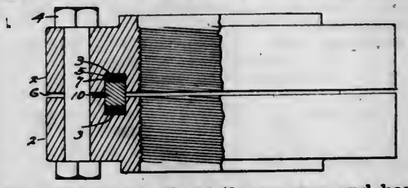
2,260,541
SETTABLE COUNTER FOR INDICATING INSTRUMENTS
Kurt R. H. Schwenn, New York, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application October 7, 1938, Serial No. 233,885
5 Claims. (Cl. 73—4)



1. In a device of the character described, a rotatable shaft, a plurality of rotatable elements on said shaft, means connected to said shaft for directly rotating one of said elements, means for consecutively rotating the remainder of said elements after a predetermined number of revolutions of said one element, a shield carried by one of said elements and extending over a portion of the remainder of said elements, said shield being rotatable with said one element, a second plurality of rotatable elements, means connected to said shaft for rotating said elements respectively in synchronism with said first plurality, and a shield carried by one of said second plurality of elements, said second shield having an opening formed therein whereby upon rotation thereof said opening is synchronously rotated in alignment with said first shield.

2,260,542
HIGH PRESSURE FLANGE PACKING
William D. Shaffer, Brea, Calif.
Application June 24, 1940, Serial No. 342,094
2 Claims. (Cl. 285—137)

1. A high-pressure fluid packing assembly including a pair of coaxial flange members having annular grooves in adjacent faces and which have concentric wall faces parallel to the flange axis; unattached and readily removable, ductile packing rings bottomed in the grooves and being of materially less depth than the depth of the grooves; a harder presser ring element extending from flange to flange and into and slidably

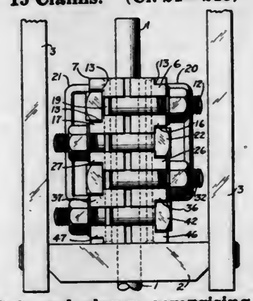


fitting the side walls of the grooves and having end faces substantially covering the said bedded packing and preventing extrusion of the packing under pressure, and clamp means for drawing up the flanges and compressing the ring element onto the packings.

2,260,543
METHOD FOR COLORING PLASTIC RESINS
Carleton N. Smith, Rocky River, Ohio, assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application May 22, 1937, Serial No. 144,311
6 Claims. (Cl. 8—4)

1. Method of coloring articles made of thermoplastic material which comprises depositing a dye in the surface thereof by contacting the article with a dye in a solution comprising a mixture of solvent for the thermoplastic material and water, and a dissolved salt, in such proportions that the solution will penetrate the surface of the article without appreciably dissolving it, and rinsing the dyed article in a mixture of solvent and water which contains less solvent than the dye solution.

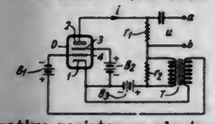
2,260,544
POLISH ROD CLAMP
Fred D. Stanley, Coffeyville, Kans., assignor to The Oil Country Specialties Manufacturing Company, Coffeyville, Kans., a corporation of Kansas
Application October 20, 1939, Serial No. 300,303
15 Claims. (Cl. 24—248)



4. A polish rod clamp comprising a member having a part arranged to engage a polish rod, a pair of clamping members hinged on top of said first mentioned member, another pair of clamping members hinged on the bottom of said first mentioned member, said clamping members each having parts to engage the polish rod at points axially and circumferentially displaced

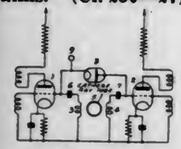
from the point of engagement by said first mentioned member, and means for drawing said clamping members together.

2,260,545
OSCILLATION GENERATION
Gottfried Stark, Berlin-Niederschoneweide, Germany, assignor to General Electric Company, a corporation of New York
Application April 15, 1939, Serial No. 268,001
In Germany May 20, 1938
5 Claims. (Cl. 250—36)



1. A negative resistance electron discharge device having electrodes arranged and energized to produce a negative resistance between a pair of electrodes thereof, an input circuit connected between the cathode and control grid of said device, an output circuit having a load impedance and a resistance connected in series between said pair of electrodes and inductive means coupled across said last mentioned resistance for inter-coupling said output and input circuits thereby to obtain a degenerative feed-back voltage to be applied to said control grid, said voltage being that which is developed across at least a portion of said load impedance, and being operative to improve the linearity of the negative resistance characteristic device.

2,260,546
MEANS FOR CONTROLLING THE DEFLECTION OF CATHODE RAY AND LIKE BEAMS
George Richard Tingley, London, England, assignor, by mesne assignments, to Cinema-Television Limited, London, England, a British corporation
Application May 18, 1939, Serial No. 274,352
In Great Britain January 17, 1938
2 Claims. (Cl. 250—27)

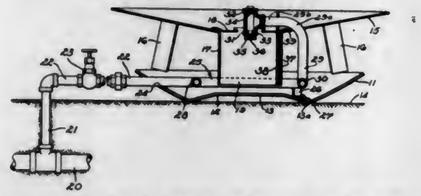


1. In combination, a cathode ray tube, means for deflecting the electron beam of the cathode ray tube in the same direction comprising a plurality of electromagnetic coils each producing an appropriate magnetic field through which said beam passes, the fields thus produced being of the same strength and additive, and a separate thermionic valve oscillation generator for supplying alternating current energy to each coil, said valves having grids electrically joined together.

2,260,547
PROCESS OF MANUFACTURING HALOHYDRINS
Ludwig Valik, Rutherford, N. J., assignor to Burton T. Bush, Inc., New York, N. Y., a corporation of New Jersey
No Drawing. Application April 15, 1939, Serial No. 268,123
5 Claims. (Cl. 260—634)

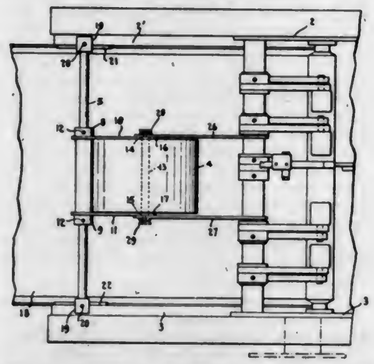
1. Process of manufacturing halo-hydrins which comprises reacting olefines with an aqueous solution of hypohalous acid, said solution containing a surface-active agent selected from the group consisting of sulphated higher aliphatic alcohols and their alkali metal salts, sulphates of secondary aliphatic alcohols of high molecular weight, sulphonated esters of alcohols and dibasic acids, arylalkyl sulphonates and sulphated fatty acid amides.

2,260,548
ORCHARD HEATER
Theodore F. Veghte, Van Nuys, Calif.
Application October 18, 1937, Serial No. 169,573
13 Claims. (Cl. 158—66)



1. In an orchard heater adapted to be positioned on the ground in an orchard, the combination of: a substantially horizontal separator plate with a central aperture, said separator plate being mounted to constitute when in assembled operative position the top wall of an annular chamber which is open to the atmosphere lying laterally beyond and to the atmosphere lying above and laterally beyond the outer peripheral edge of said separator plate; a vertical draft pipe depending from said separator plate and communicating through said aperture with the air above said plate; a fuel combustion device adapted to provide a movement of combustion gases adjacent the lower end of said draft pipe; and means cooperable with said separator plate for directing the gases of combustion radially outward through said annular chamber beneath said separator plate to positions beyond the periphery of said plate where said products are free to rise vertically past said plate.

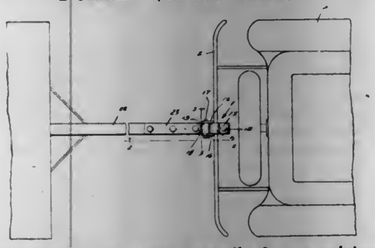
2,260,549
CARD DELIVERY APPARATUS
Nelson S. Welk, Athens, Ohio, assignor to The McBee Company, Athens, Ohio, a corporation of Ohio
Application December 21, 1940, Serial No. 371,130
5 Claims. (Cl. 271—87)



1. In a counting machine having a frame, means to feed a card, a stacker roller and deflector horns; means to support said stacker roll and deflector horns comprising a shaft, arms

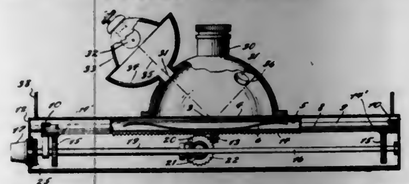
secured thereto which support said roller and horns, means at the ends of said shaft, to slidably engage the sides of said frame.

2,260,550
HITCH
Clifford Beeson, Fossil, Oreg., assignor of one-half to Jack F. Combes, Fossil, Oreg.
Application February 13, 1941, Serial No. 378,792
1 Claim. (Cl. 280—33.44)



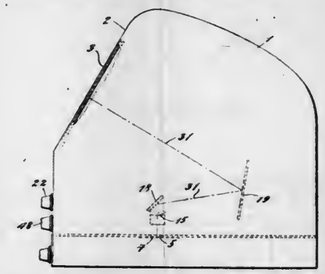
A hitch of the class described comprising a clamp adapted to be removably secured on a vehicle bumper, said clamp comprising a vertically elongated plate engageable with the rear face of the bumper, a stationary jaw projecting inwardly and forwardly from the upper end of the plate, said stationary jaw having a horizontal inner portion extending over the bumper, a vertical intermediate portion extending downwardly in front of the bumper, and a free end portion with a substantially V-shaped slot extending horizontally from said vertical intermediate portion, a swinging jaw hingedly connected to the lower end of the plate, said swinging jaw having a vertical portion extending upwardly in front of the bumper and an angularly projecting free end portion extending in spaced opposed relation to the free end portion of the stationary jaw, a bolt extending through an opening in the free end portion of the swinging jaw and received in the V-shaped slot of the free end portion of the stationary jaw for securing together the said jaws, and opposed ears joined by a bolt and extending rearwardly from the vertical edges of the plate; a link having one end thereof mounted on said bolt for swinging movement in a vertical plane and having the other end thereof provided with a horizontal disk with a trailer tongue including portions to embrace the tongue and spaced parallel portions adapted for and pivotally connected with said disk.

2,260,551
PROJECTION APPARATUS
Albert Boni and George Goldberg, New York, N. Y., assignors to Readex Microprint Corporation, New York, N. Y., a corporation of Delaware
Application October 28, 1939, Serial No. 301,687
8 Claims. (Cl. 88—24)



1. A projection apparatus comprising a casing having an aperture therethrough, a support slidable in a horizontal plane in and out of said casing for the object whose image is to be projected, tracks on said support extending transversely of said object, a carriage slidable on said tracks, tracks on said carriage extending transversely of the tracks on said support, a holder slidably mounted on said carriage tracks, an elongated pinion rotatable on said support, a rack on said holder and engaging said pinion, said rack extending in the direction of movement of said holder, a second rack on said carriage and extending in the direction of movement of said carriage on the support, a pinion rotatable on the support and engaging said last-named rack, and means to rotate said pinions independently of each other, whereby upon rotation of said last-named pinion said first-named rack will slide along said first-named pinion.

2,260,552
PROJECTION APPARATUS
Albert Boni, New York, N. Y., and Luther L. Richardson, Darien, Conn., assignors to Readex Microprint Corporation, New York, N. Y., a corporation of Delaware
Application December 30, 1939, Serial No. 311,786
5 Claims. (Cl. 88—24)

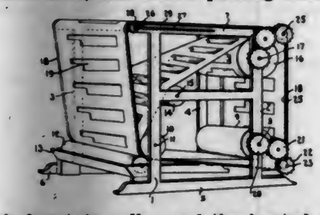


1. In a projection apparatus, a fixed screen, a fixed exposure position, means to illuminate an object at said position, a lens arranged to collect light from said object and form it into a beam, a reflector, a mirror connected to said lens and arranged to deflect said beam to said reflector, said reflector being arranged to reflect said beam to said screen, means to adjust said reflector to lengthen or shorten the path of the beam between the object and the screen, a lens mount supporting said lens and mirror and movable towards or away from said position, a slide adjacent said mount and connected to said reflector to move therewith, a cam on said slide, a rack on said mount, a pinion engaging said rack, and an arm rotatable with said pinion and bearing against said cam.

2,260,553
PRESS FOR PRINTING SPOTS OF WAX CARBON ON PAPER
Donald L. Boyd, Huntington, W. Va., assignor to Carb-O-Spot Corporation, Athens, Ohio
Application March 6, 1940, Serial No. 322,456
7 Claims. (Cl. 101—122)

1. In a rotary press for printing wax carbon spots on a continuous paper web, having a frame, a driven shaft on which is mounted a roll of paper, a heated ink fountain, a heated ink fountain roller which contacts a heated cylinder over which the web of paper passes, a rewinding roll carried by a shaft, and a chilling cylinder between the heated cylinder and the rewinding

roll; an endless stencil having cut-out portions of desired area, said stencil passing intermediate



the ink fountain roller and the heated cylinder, and means to positively control the said stencil.

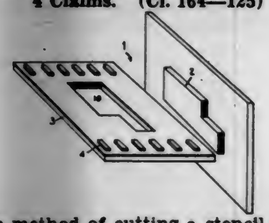
2,260,554

METHOD OF CUTTING STENCILS

Donald L. Boyd, Huntington, W. Va., assignor to Carb-O-Spot Corporation, Athens, Ohio, a corporation of Ohio

Original application March 6, 1940, Serial No. 322,456. Divided and this application October 15, 1940, Serial No. 361,215

4 Claims. (Cl. 164—125)



1. The method of cutting a stencil comprising the following steps; forming a plurality of perforations having each one line as a side to establish direction in stencil paper, preparing a template having a plurality of teeth, which are fitted to and coincide with said perforations, and then cutting out predetermined areas from said stencil while it is held by said template.

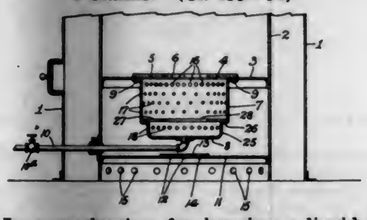
2,260,555

LIQUID HYDROCARBON BURNER WITH PILOT CHAMBERS

James L. Breese, Santa Fe, N. Mex., assignor to Oil Devices, Santa Fe, N. Mex., a limited partnership of Illinois

Original application February 8, 1937, Serial No. 124,695. Divided and this application April 10, 1939, Serial No. 267,022

5 Claims. (Cl. 158—91)



1. In a mechanism for burning a liquid fuel, a main chamber and a supplemental chamber opening into the bottom thereof, the supplemental chamber being of smaller diameter than the main chamber, a unitary fuel supply means for both chambers, including a fuel delivery passage for admitting liquid fuel to the bottom of the supplemental chamber, the walls of both chambers being provided with a plurality of air inlet apertures, and a baffle interposed between the chambers, adjacent the junction of the two chambers, the baffle having an aperture of substantially smaller diameter than the diameter of the supplemental chamber, the supplemental chamber having a bottom of an area sufficient to serve as a vaporization surface for a supply of liquid fuel sufficient to maintain maximum combustion in or above the upper chamber.

2,260,556

CONDENSATION PRODUCTS OF ACYLATED METHYLOL PHENOLS AND RESIN ACIDS

Herman A. Bruson, Philadelphia, Pa., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa.

No Drawing. Application May 9, 1940, Serial No. 334,172

29 Claims. (Cl. 260—103)

1. The process which comprises heating to reacting temperatures a mixture of an esterified phenol having at least one acyloxymethyl group attached to the aromatic nucleus and a member of the group consisting of natural resin acids and esters of natural resin acids.

2,260,557

METHOD OF MAKING LOW DENSITY WATER RESISTING FIBROUS PRODUCTS

John O. Burton, International Falls, Minn., assignor, by mesne assignments, to Minnesota and Ontario Paper Company, a corporation of Minnesota

No Drawing. Application March 20, 1939, Serial No. 263,066

4 Claims. (Cl. 92—21)

3. A process of manufacturing low density structural unit of a density of .75 to about 5 lbs. per cut. ft., comprising adding to vegetable fibers in a water suspension waste cooking liquor resulting from alkaline cooking of ligno-cellulose materials, adding an acid to adjust the pH of the suspension in a range of about 4 to 6 and insolubilize the colloids of the cooking liquor, aerating the mixture producing a water resistant distended fiber mass, forming a structural unit from the mass, and drying the unit without substantially compacting thereof.

2,260,558

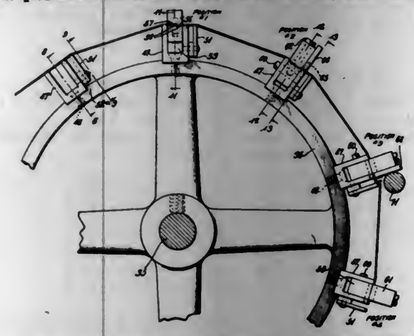
ELECTRICALLY IGNITED MATCH HEADS AND METHOD OF MANUFACTURING THE SAME

Clarence H. Caughey, Aurora, and Walter F. Mitcheltree, Benton, Ill., assignors to Cardox Corporation, Chicago, Ill., a corporation of Illinois

Application May 16, 1939, Serial No. 274,072

16 Claims. (Cl. 86—1)

1. The method of making electrically ignited match heads which comprises the steps of assembling in web form a multiplicity of wire strands, intermittently advancing said web through several operating positions which are uniformly spaced from each other and with the spacing corresponding with the length of the wires of finished match heads, kinking all of said strands at a first operating position, enclosing the kinked portions of the strands at a second operating position in a mold device having a mold cavity for every two strands, at a third operating position pouring a quick setting plastic material into each mold cavity to embed kinked portions of each pair of strands in a sealing plug, severing all of the strands at the third operating position to provide short bridge wire terminals in advance of the sealing plugs at the third operating position and to provide relatively long lead wires rearwardly of the sealing plugs in a fourth operating position, advancing the sealing plugs with their bridge wire terminals and lead wires from said fourth operating position through the subsequent steps of the method assembled as a unit with their mold device, simultaneously tinning the end portions of all of said lead wires, attaching



a continuous strand of fine wire to all of the bridge wire terminals of a unit, cutting the continuous strand of fine wire from between the terminals of adjacent sealing plugs to leave a bridge wire section only between the terminals of each plug, pinching the terminals for each plug toward each other to provide slack in the individual bridge wires, depositing an encasing body of powder material on each bridge wire and its terminals, coating said powder deposit with a moisture-proofing material, and finally separating the completed match heads of the unit from their mold device.

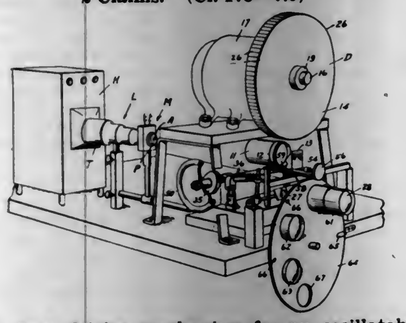
2,260,559

TELEVISION APPARATUS

Stewart L. Clothier, Irvington, and Harold C. Hogencamp, Maplewood, N. J., assignors to Kolorama Laboratories, Inc., Newark, N. J., a corporation of New Jersey

Original application July 17, 1937, Serial No. 154,218, now Patent No. 2,163,538, dated June 20, 1939. Divided and this application June 16, 1939, Serial No. 279,568

2 Claims. (Cl. 178—7.6)



1. In a driving mechanism for an oscillatable scanner comprising a pivotally mounted horizontal spindle and a mirror secured to said spindle the combination including a lever extending substantially vertically from said spindle; a cam; means for rotating said cam; a cam follower; means for urging said follower against said cam; a follower rod extending from said follower to said lever; an articulated connection slidably adjustable along said lever and joining said lever with said rod; a guide adjacent to said rod and slidably supporting the same; a pivotal support for said guide; and means for raising and lowering said support.

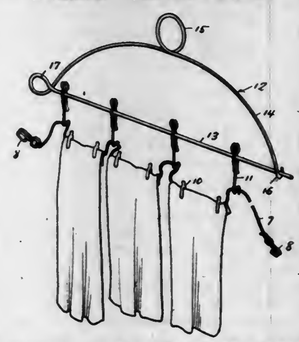
2,260,560

DEVICE FOR HANDLING AND SUSPENDING ARTICLES COLLECTIVELY

Marie Coleman, Haram Township, Bottineau County, N. Dak.

Application June 21, 1940, Serial No. 341,783.

1 Claim. (Cl. 211—119.13)



In a device of the character described, an auxiliary clothes line adapted to have articles secured thereto for spaced suspension relative to each other, a plurality of clasp type suspension members engageable with the auxiliary clothes line at spaced intervals and providing therein kinks acting to separate the articles from each other, and a carrying member including a bar insertible through the suspension members and a bail portion integrally and flexibly connected with one end of the bar and provided with a keeper to engage the other end of the bar whereby the suspension members may be threaded on and off said bar and prevented from accidentally sliding off said bar when the latter is engaged with said keeper.

2,260,561

PHOTOGRAPHIC APPARATUS

Maurice Cuendet, Renens, Switzerland, assignor of one-half to Alfred Buess, Lausanne, Switzerland

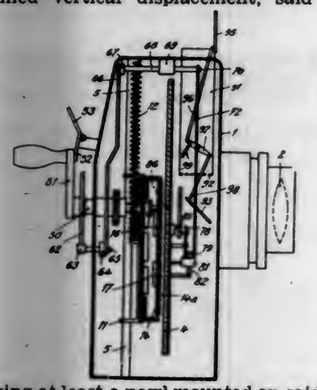
Application August 28, 1939, Serial No. 292,358

In Switzerland September 6, 1938

5 Claims. (Cl. 88—16)

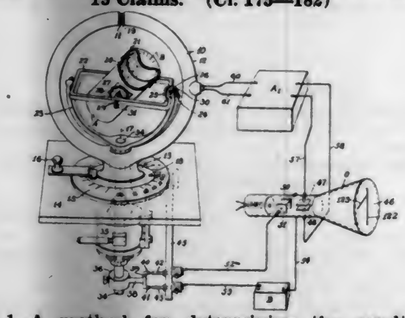
1. A photographic apparatus for successive photographs arranged in horizontal rows disposed one above the other in the same sensitized surface, in combination a casing provided with an objective and carrying vertical guide bars, a frame mounted to slide on said casing along said guide bars in a plane perpendicular to the axis of said objective, horizontally disposed guides carried by said frame, a dark-slide carriage carrying the sensitized surface and being displaceable on said guides for effecting a horizontal step-by-step movement in said plane, horizontally disposed racks secured to said carriage and having teeth on either long side so as to form a

series of straight rows of teeth equal in number to the horizontal rows of photographs on the sensitized surface, the distance between two successive rows of teeth being equal to the distance between the center lines of two successive horizontal rows of photographs, and the tooth pitch of each row of teeth being equal to half the distance between the centers of two successive images of a horizontal row of photographs, means for setting said frame to undergo a predetermined vertical displacement, said means



comprising at least a pawl mounted on said frame and at least a pin fixed to said carriage and adapted to cooperate with said pawl, and an operating device adapted to cooperate, on the one hand, with the rows of teeth of said racks for the horizontal step-by-step movement of said carriage and, on the other hand, with said pawl for the vertical displacement of said frame over a distance equal to the distance between two successive rows of teeth when said carriage has travelled over a horizontal row of photographs.

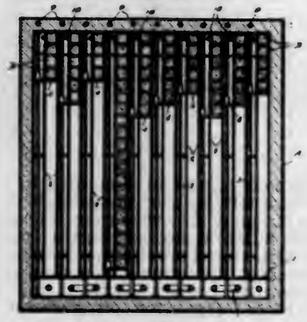
2,260,562
PROCESS AND APPARATUS FOR CORE SAMPLE ORIENTATION
Lyle Dillon, San Gabriel, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application December 13, 1937, Serial No. 179,541
15 Claims. (Cl. 175—182)



1. A method for determining the resultant polar orientation of a magnetized body comprising imparting relative rotation between said body and an inductor coil whereby one plane of maximum magnetization of said body is established, imparting relative rotation between said body and said coil about an axis which is perpendicular to said first mentioned established plane and likewise establishing a second plane of maximum magnetization which intersects said first established plane and measuring the angle of the line of said intersection with respect to a given axis of said body.

13. In the art of rock sampling during deep drilling, the improvement which comprises introducing into the rock to be sampled a body of tiny ferro-magnetic particles in fluid suspension capable of adhering to rock, said suspension being adapted to set a relatively short time after said introduction and allowing the suspension to set in the absence of forces which distort the earth's field in the locality of said suspension.

2,260,563
ICE CREAM DISPENSING CABINET
Thomas S. Elliott, Sr., Pripet, Maine, assignor to Harold Sigler, Norfolk, Va.
Application February 12, 1940, Serial No. 318,600
2 Claims. (Cl. 107—21)

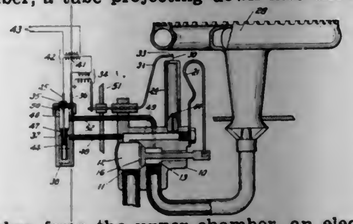


1. In a device of the class described an insulated cabinet for dispensing bars of material, a plurality of vertically arranged partitions in the cabinet, a plurality of vertically arranged screw shafts in the cabinet, an elevator plate between each pair of partitions having a tubular internally threaded part through which a screw shaft passes, means for rotating the screw shafts from the front of the cabinet to raise and lower the elevator plates, horizontally arranged screw shafts at the top of the cabinet, a follower plate having a tubular portion internally threaded through which each horizontal screw shaft passes, means at the front of the cabinet for turning the horizontal screw shafts to cause the follower plates to move a bar of material toward the front of the cabinet after the same has been lifted by the elevator plate, the front of the cabinet having openings therein at the top thereof, one for each bar projected by a follower plate, a door for closing each opening, a vertically movable knife for each opening, said knife being arranged at the inner part of the door and closing the opening through which a bar is projected when the knife is in raised position, and means at the front of the cabinet for raising and lowering each knife.

2,260,564
ELECTRIC SWITCH
John C. English, Cedar Rapids, Iowa, assignor to Johnson Gas Appliance Company, Cedar Rapids, Iowa, a corporation of Delaware
Original application June 28, 1939, Serial No. 281,549. Divided and this application February 17, 1940, Serial No. 319,501
10 Claims. (Cl. 175—115)

6. For use in connection with a gas burner having a main burner, a supply line, a safety switch in the supply line, and electrical ignition

means for igniting the gas issuing from the main burner, switch means for energizing the ignition means, said switch means including conduits leading from opposite sides of the safety valve, a housing formed to provide an upper and a lower chamber, a tube projecting down into the lower



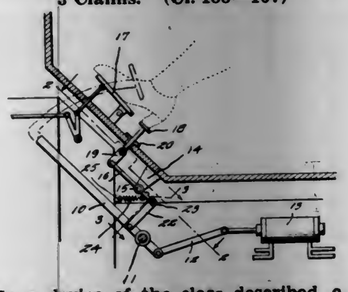
chamber from the upper chamber, an electrode within the tube, and a mercury pool in the lower chamber whereby when a difference in pressure exists on opposite sides of the safety valve, the height of the level of the mercury within the tube and within the lower chamber is varied to cause a circuit to be completed through the electrode and the higher level of the mercury pool.

2,260,565
HELICAL WINDER
William H. Furness, Haddonfield, N. J., assignor to American Rayon Company, Inc., Riverton, N. J., a corporation of New Jersey
Application May 25, 1940, Serial No. 337,121
16 Claims. (Cl. 242—53)



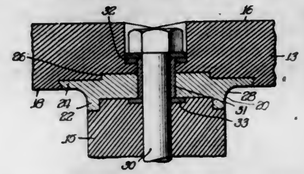
1. Apparatus for laying up thread, comprising a cage-like cylinder; a whorl for laying thread on said cylinder adjacent one end thereof; said cylinder having thread supporting surfaces movable in a direction of the length of said cylinder to advance the thread therealong from said receiving end to the other end in the form of a continuously advancing helix; a whorl for taking thread off said cylinder adjacent said other end; means for rotating said whorls in one to one ratio; means for supporting said cylinder; and gear means for controlling rotative movement of said cylinder.

2,260,566
SEMIAUTOMATIC BRAKE
William Russell Gass, Sacramento, Calif.
Application October 7, 1940, Serial No. 360,165
3 Claims. (Cl. 188—167)



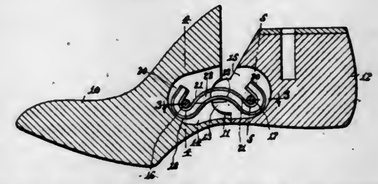
1. In a device of the class described, a brake lever, a spring-operated auxiliary lever linked thereto and being spring pressed to cause application of the brakes, and a foot pedal linked to the auxiliary lever positioned to operate against the spring when depressed and thereby hold the brakes retracted.

2,260,567
MOLDED COMPOSITION SLIPPER BEARING
Thomas L. Gatke, Oak Park, Ill.
Application May 25, 1940, Serial No. 337,140
7 Claims. (Cl. 64—7)



1. A slipper bearing for a universal coupling, comprising two non-metallic molded composition cylindrical segments which are arranged in spaced relation with their outer surfaces substantially concentric and their inner surfaces generally parallel, relatively small metal hubs which are molded into the segments at the centers of the inner surfaces of the latter and are provided with ring portions which project from said inner surfaces towards each other, and a non-metallic molded composition center block which is socketed at its ends in said ring portions.

2,260,568
LAST
Harold Goodman, Peabody, and Earl J. McGown, Lynn, Mass.
Application March 18, 1940, Serial No. 324,464
1 Claim. (Cl. 12—136)

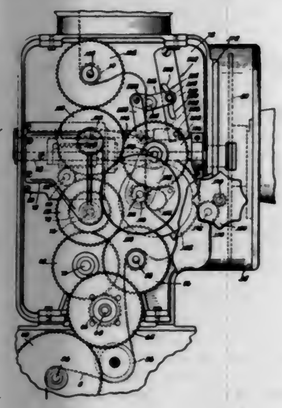


A last having two parts arranged for movement relatively to each other about a knuckle joint and each part provided with a relatively wide vertical recess with flat parallel side walls; a pin extending transversely of each recess and spaced from the axis of said knuckle joint; and a sole connector within and contacting with the side walls of said recesses between said pins, said connector having slight vertical movement in said recesses during the relative movement of the last parts, and said connector being provided with an arch shaped resilient central portion and having opposite curved ends partially surrounding said pins.

2,260,569
MOTION PICTURE PROJECTOR
Oscar J. Holmes, Chicago, Ill.
Application January 29, 1940, Serial No. 316,085
7 Claims. (Cl. 88—18.3)

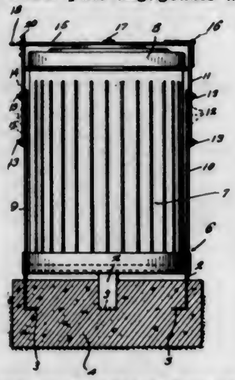
1. A film projector including a member having a light transmitting aperture, a shutter controlling the intermittent passage of light through

said aperture, an intermittent Geneva movement mechanism for intermittently feeding the film past said aperture, adjustable means mounting the driving element of the Geneva movement mechanism for revolution about the axis of the driven element of the Geneva movement mechanism to cause the driven element to rotate with, but not relative to, the driving element to vary the position of the film relative to the aperture, driving means for the Geneva movement mechanism and the shutter for actuating said mechanism and said shutter in proper timed relation, said driving mechanism including a driving gear, a driven gear axially adjustable and operatively connected to the shutter to vary the position of the shutter relative to the aperture, a second driving gear operatively connected to the first driving gear for simultaneous rotation therewith and about a fixed axis, a second driven gear meshing with said second driving gear and mounted for revolution about said fixed axis, said intermittent motion mechanism including a gear mounted upon said adjustable mounting means and operatively connected to the driving element of the Geneva movement mechanism to actuate said element, means for causing said gear of the intermittent motion mechanism to revolve about the axis of said second driven gear while in meshing engagement with said second driven gear, means for adjusting said mounting means for the driving element of the intermittent motion mechanism and means operatively connected to said adjusting means for simultaneously adjusting the first driven gear axially whereby the position of the shutter relative to the picture aperture is simultaneously varied with the variation in the position of the film relative to the picture aperture.



2,260,570
GARBAGE CAN HOLDER
James E. John, Roanoke, Va.
Application May 11, 1940, Serial No. 334,658
2 Claims. (Cl. 248—147)

2. A holder of the class described comprising a base structure adapted to receive and support a garbage can, posts rising from the base structure, an arm hingedly mounted on the upper end of one of the posts, a lid for the can mounted on said arm, the arm having an opening in its free end portion, and a ratchet on the upper end portion of the other post engageable with the arm in the opening for releasably securing said arm in position across the garbage can.



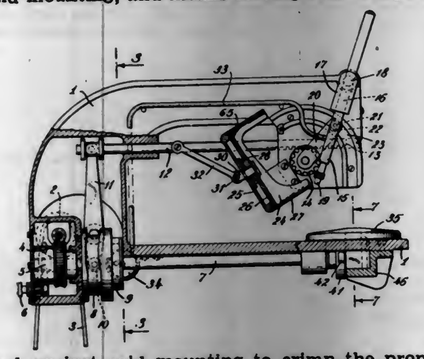
2,260,571
FOUNTAIN PEN
Glenn E. Johndohl, Denver, Colo.
Application July 23, 1940, Serial No. 346,890
6 Claims. (Cl. 120—50)



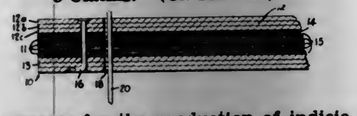
1. A fountain pen comprising: an ink reservoir; a pen holder at one extremity of said reservoir; a writing pen projecting from said holder; a feeder member in the lower extremity of said holder for feeding ink to said writing pen; a head in the upper extremity of said holder; an air chamber between said head and said feeder member; a first air passage through said head communicating between said reservoir and said chamber; a second air passage between said chamber and the atmosphere; an ink tube extending from said reservoir through said chamber to said feeder member; and an ink passage through said tube and through said feeder member to said pen.

2,260,572
RHINESTONE ATTACHING MACHINE
Anton A. La Russa and George J. Knell, Bronx, and William J. Dellert, Mount Vernon, N. Y.
Application January 13, 1939, Serial No. 250,770
25 Claims. (Cl. 29—10)

21. In a machine for attaching ornamental stones to sheet material, the combination of a die, a punch arranged to reciprocate upwardly through said die and adapted to cut and form from sheet metal a stone mounting having prong portions and to carry said mounting upon the punch to the upper surface of the die, a crimping tool mounted for downward approach to said die, suction means including said crimping tool to pick up and deposit a stone, means for causing the approach of said punch and said crimping tool in coaction with said die to set a stone in said mounting, and means forcing said crimping tool against said mounting to crimp the prong portions thereof over the surface of said stone.

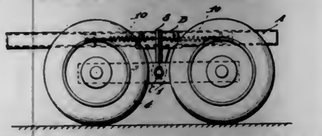


2,260,573
PROCESS FOR THE PRODUCTION OF INDICIA AND LIKE DESIGNS
Otto Lorch, New York, N. Y.
Application September 9, 1939, Serial No. 294,195
5 Claims. (Cl. 164—17)



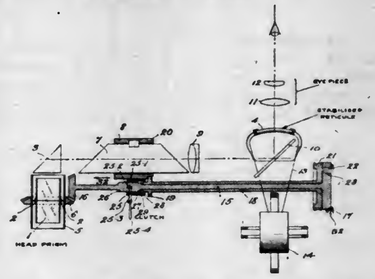
5. A process for the production of indicia and like designs which consists in alternately placing sheets of acetate material and layers of oil paper to form a block, positioning on top of said block a soft rubber layer, engaging said block with said rubber layer by upper and lower clamping plates for maintaining said block with said rubber layer in undisplaceable condition, then arranging a pattern incorporating said indicia on the upper plate, sawing through said block, said rubber layer and said plates, and following the contour of said pattern.

2,260,574
VEHICLE WHEEL MOUNTING DEVICE
Frank Martin, Clovis, N. Mex.
Application July 27, 1940, Serial No. 347,957
1 Claim. (Cl. 280—124)



A mounting device for vehicle wheels, comprising an axle secured to and bridging the side members of the frame of the vehicle, beams arranged upon opposite sides of the frame, sleeves fixed to and extending through the beams midway their ends, said sleeves mounted on the axle for rocking movement of the beams, blocks fixed to the outer faces of the beams at the ends thereof, spindles secured to and extending centrally from the blocks for receiving wheels in tandem arrangement, cross sectional T-shaped uprights fixed to and rising from the sleeves and the inner faces of the beams, links secured to the uprights and extending from the opposite sides thereof adjacent their upper ends, angle brackets secured to the frame upon opposite sides of the axle, eyed bolts threaded through the brackets, springs having one of their ends connected to the eyes of the bolts and their opposite ends to the links for yieldably holding the beams normally parallel to the frame, said bolts adapted to adjust the springs, and lock nuts on the bolts for holding the latter in adjusted positions.

2,260,575
DRIFT MEASURING INSTRUMENT FOR AIRCRAFT
John L. Maulbetsch, Brooklyn, N. Y., assignor to Kollmorgen Optical Corporation, Brooklyn, N. Y., a corporation of New York
Application July 26, 1939, Serial No. 286,545
6 Claims. (Cl. 88—1)

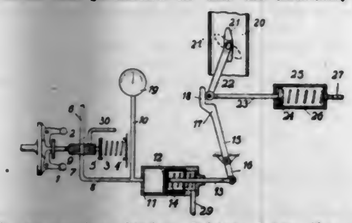


1. In a drift measuring instrument for aircraft, the combination comprising a stabilized reticule having parallel lines thereon, an optical system including a head prism mounted for rotation around a vertical axis for projecting the image of the ground onto said reticule, a dove prism mounted for rotation around a horizontal axis for maintaining said image erect on the reticule, means for rotating said head prism, means for rotating said dove prism, a clutch in-between said head prism and said dove prism rotating means, said clutch being adapted to couple said head and dove prism rotating means for collective rotation for projecting selected portions of the ground onto said reticule in the erect position, and means for disabling said clutch to permit selective rotation of said dove prism and to bring the trail line described by a point of the ground on the reticule into a parallel position with the lines on said reticule, the angle of rotation of said dove prism being a measure of the drift angle.

2,260,576
DEVICE FOR SAFEGUARDING INTERNAL COMBUSTION ENGINES AGAINST EXCESSIVE SPEED AND LUBRICATION FAILURE
Karl Maybach, Friedrichshafen-on-the-Bodensee, Germany, assignor to Maybach-Motorenbau Gesellschaft mit beschrankter Haftung, Friedrichshafen-on-the-Bodensee, Germany
Application April 7, 1939, Serial No. 266,628
In Germany April 14, 1938
5 Claims. (Cl. 123—102)

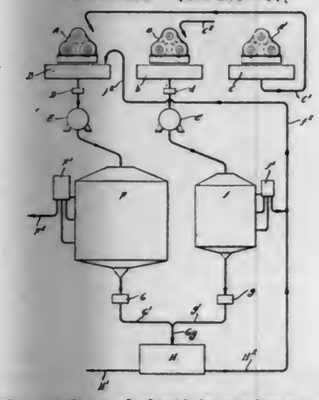
1. A safety device for internal combustion engines lubricated by oil supplied under pressure, comprising a fluid-pressure-operated device connected to the high pressure side of the lubricating oil system and adapted to operate upon a member for regulating the output of the engine to cause the latter to run at a low speed when the oil pressure falls to a predetermined low

value, a valve connected to said fluid-pressure-operated device so as to be capable of operation to reduce the pressure of the oil therein, and a



speed responsive device driven from the engine and connected to said valve so as to operate the same when a predetermined speed is exceeded.

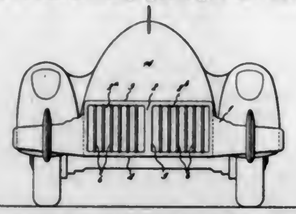
2,260,577
CLARIFYING CANE SUGAR JUICE
Philip M. McHugh, New York, N. Y., assignor to Petree & Dorr Engineers, Inc., New York, N. Y., a corporation of Cuba
Application November 18, 1939, Serial No. 305,061
2 Claims. (Cl. 127—9)



1. The method of clarifying primary juice and secondary juice respectively expressed from sugar cane in primary and subsequent sections of a milling circuit from sugar cane yielding juices too refractory from the clarification standpoint for satisfactory clarification by the known compound clarification method, which consists in subjecting the secondary juice to sedimentation and separating secondary juice thereby clarified from mud containing solids settled out of the secondary juice, adding the clarified secondary juice to the unclarified primary juice, subjecting the juice mixture to sedimentation, separating the juice thereby clarified from the mud containing the solids settled out of the juice mixture, mixing the two muds and filtering the mud mixture.

2,260,578
AUTOMOBILE CONSTRUCTION
Thomas E. Murray, Brooklyn, N. Y.
Application January 6, 1940, Serial No. 312,653
5 Claims. (Cl. 293—55)

1. In an automobile, the construction having an air intake at the extreme forward end of the automobile which construction comprises in combination an automobile body, a bumper having a compartment at the rear thereof and air passages extending through the forward wall thereof and communicating with the compartment, supports securing the bumper in position on the automobile and spaced from the forward end thereof, a substantially gas tight air conduit ex-



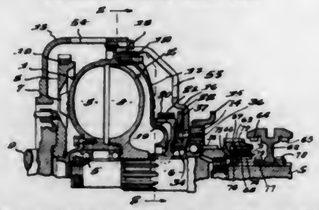
tending between the bumper and the hood and arranged to carry the air from the bumper compartment, and a radiator within the bumper compartment.

2,260,579
KNITTING MACHINE
Charles F. Miller, Philadelphia, Pa., assignor to Jacquard Knitting Machine Co., Inc., Philadelphia, Pa., a corporation of New York
Application August 15, 1939, Serial No. 290,149
11 Claims. (Cl. 66—40)



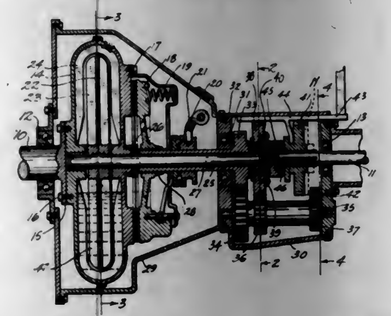
6. The method of changing the position of camming in a knitting machine having a plurality of stitch-forming elements of different forms and a plurality of associated cam means operable respectively on stitch-forming elements of said different forms, which consists in moving said cam means toward their new positions successively, and moving each from an initial to a new position while only stitch-forming elements of a form or forms operable by another of said cam means are being delivered from said camming.

2,260,580
BRAKE FOR TRANSMISSION MECHANISM INCLUDING A HYDRAULIC COUPLING
Carl D. Peterson and Albert H. Deimel, Toledo, Ohio
Original application June 24, 1939, Serial No. 281,014. Divided and this application April 11, 1940, Serial No. 329,160
1 Claim. (Cl. 192—3.2)



In a transmission mechanism, the combination of a hydraulic coupling including an impeller and a runner element, a change speed transmission gearing including input and output shafts and a balking ring clutch including driving and driven sections, one of which is shiftable axially and a balking ring rotatable with one of said sections and also having a rotary rocking movement relatively thereto into and out of balking or locking position under frictional engagement with the other section, when the speeds of the sections are differential, preliminary to clutch engagement, and driver operated brake means operable to rock the balking ring from locking to unlocking position.

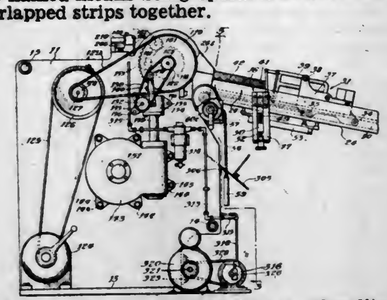
2,260,581
FLUID TRANSMISSION
Gurdon T. Pollard, Denver, Colo.
Application June 15, 1940, Serial No. 340,740
2 Claims. (Cl. 74—189.5)



1. A power transmission device comprising: a drive shaft; a fluid coupling having an outer and an inner element, the outer element being mounted on and rotated by said drive shaft; a transfor periodically moving said slide valve in one direction, and means including said plunger for moving said slide valve in the opposite direction. mission shaft secured to and extending from the inner element of said coupling; a tubular shaft surrounding the transmission shaft exteriorly of said coupling; a clutching surface secured to said outer element; a clutch for engaging said surface secured to said tubular shaft; a drive gear mounted on and secured to said tubular shaft; a directional clutch gear mounted on and free to revolve in a rearward direction only about said transmission shaft; a driven shaft in axial alignment with said transmission shaft; a countershaft positioned parallel to the axis of said shafts; a countershaft gear secured on said countershaft in constant mesh with said drive gear; a relatively smaller low speed gear secured on said countershaft in constant mesh with said directional clutch gear; a reverse gear secured on said countershaft; a reverse idler gear in constant mesh with said reverse gear; and shiftable means on said driven shaft for connecting the latter either with the reverse idler gear or with the transmission shaft as desired.

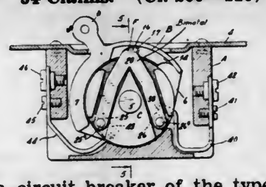
2,260,582
SHEET ASSEMBLING MACHINE
Patrick Henry Roethe, Chicago, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application August 3, 1939, Serial No. 288,152
35 Claims. (Cl. 93—1)

1. A machine of the character described comprising, in combination, a paper feeding member, means to apply an adhesive to paper being fed by said member, a device for receiving the paper from said member and positioning a plurality of strips thereof in overlapping relation wherein the leading edges of successive strips are longitudinally spaced from one another to expose a portion of the surface of each strip, said last named means being operable to advance the overlapped strips together.



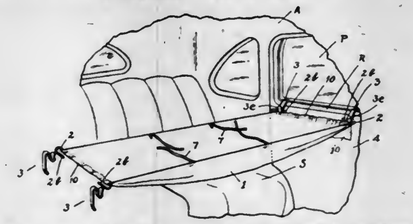
31. A method of combining a plurality of sheets into a unit strip, which comprises the steps of feeding the sheets separately while applying adhesive thereto and spacing the leading edges thereof from one another after the adhesive has been applied to the sheets, and then pressing the sheets together while they are maintained in longitudinally spaced relationship.

2,260,583
CIRCUIT BREAKER
Albert B. Rypinski, Laurelton, N. Y., assignor to Metropolitan Device Corporation, Brooklyn, N. Y., a corporation of New York
Application December 16, 1939, Serial No. 309,521
34 Claims. (Cl. 200—116)



1. In a circuit breaker of the type described, the combination comprising a pair of movably mounted elements, independently movable between closed-circuit and open-circuit positions, a latching lever and detent for restraining one of said movable elements in closed-circuit position, and a single spring arranged to independently urge said movable elements towards open-circuit position and to resiliently urge said latching lever into latching position.

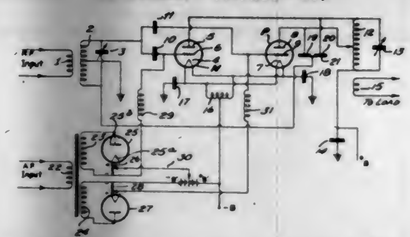
2,260,584
BABY HAMMOCK
John Schuck and Walter W. Schuck, Struthers, Ohio, assignors to Frank M. Hoover, Inc., a corporation of Ohio
Application August 22, 1939, Serial No. 291,353
4 Claims. (Cl. 5—94)



4. In a child's hammock structure including a hammock body formed of an elongate sheet of

flexible material hemmed at opposite ends and secured at each end upon a rod, and means for anchoring the rods at the opposite ends of the hammock to the opposite side walls of a vehicle, with the hammock suspended between the walls, the refinement herein described in which said anchoring means consist in a plurality of clips, each formed of a strap of spring steel of shepherd's crook shape and including a substantially straight stem, a curved head, and a reversely curved tip, the so-shaped clip adapted, by spreading the crook, to receive between said stem and said reversely curved tip the rim of one of said side walls, and said reversely curved tip forming a seat for one of the ends of said rods, said clips engaging the ends of said rods, affording a shock-absorbing anchorage for securing the four corners of the hammock to said side walls of the vehicle, the engagement of the clips with the rims of said walls being secure against the effect upon the hammock and its burden of changes in speed and direction of travel of the vehicle.

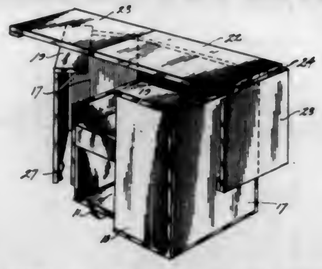
2,260,585
AMPLIFICATION AND MODULATION
Alexander Senauke, New York, N. Y., assignor to AmpereX Electronic Products, Inc., Brooklyn, N. Y., a corporation of New York
Application March 30, 1938, Serial No. 198,889
11 Claims. (Cl. 250—17)



1. In a system for supplying amplified superaudible frequency electric waves modulated at a lower rate, in combination, a plurality of vacuum tubes having their input circuits fed in phase from a common source, said tubes having their output circuits coupled together, a load circuit fed by said tubes, a tank circuit interposed between said load circuit and said tubes, an energy transfer path from one of said tubes to said tank circuit for driving the same, a second energy transfer path from another of said tubes to said tank circuit, said paths being connected to said tank circuit at points where the radio frequency voltages in said tank circuit are different and forming a voltage transfer path between said tubes impressing on said second tube from said tank circuit a voltage in excess of that impressed on said tank circuit by said first tube.

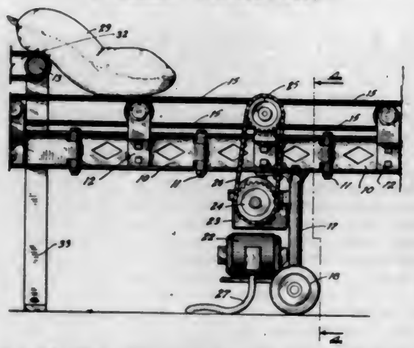
2,260,586
PORTABLE BAR
Ross I. Sheldon, Denver, Colo.
Application June 24, 1940, Serial No. 342,093
8 Claims. (Cl. 312—140.2)

2. A portable bar device comprising: a back bar; a front panel secured to and extending upwardly above said back bar; side panels hinged to and supported by said front panel and arranged to fold across each end of the back bar; a mid-bar board horizontally supported above said front panel; and end panels fixed to and supported by the free vertical edges of the side panels and extending at right angles thereto to enclose the back of the back bar when the device is folded; and end bar boards supported on the



upper edges of said side and end panels and partially enclosing the top of the back bar when the device is folded.

2,260,587
FLEXIBLE CONVEYER
James J. Shields, Longmont, Colo.
Application May 17, 1940, Serial No. 335,794
7 Claims. (Cl. 198—109)

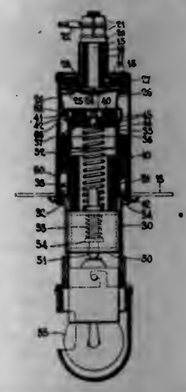


1. A flexible conveyer comprising: a series of frame members hinged together to form a continuous flexible frame; roller supporting means on said frame members; a roller mounted in each supporting means; and a series of flexible endless belts extending between the roller of each frame member to the rollers of the two adjacent frame members across the hinge points thereof, said belts stretching and contracting as said frame members are swung in relation to each other.

2,260,588
COMBINED CIGAR LIGHTER AND INSTRUMENT PANEL LAMP FOR VEHICLES
James C. Smith, Buffalo, N. Y.
Application September 13, 1940, Serial No. 356,641
3 Claims. (Cl. 240—2)

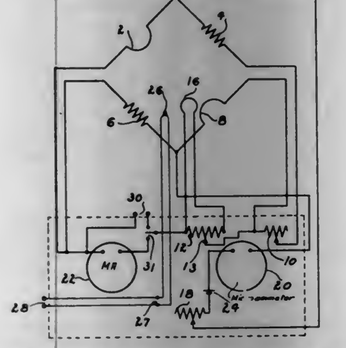
1. In a combined cigar lighter and instrument panel light, a receptacle adapted to be secured to an instrument panel, an electrical terminal therein connectible to a source of electrical energy, a plug adapted to be received and housed by said receptacle, said plug being readily removable from said housing and being disposable in a plurality of positions therein, said plug comprising a resistance heating element at its inner end and a lamp at its outer end, said lamp having one terminal grounded and its other terminal

connected with an end of said heating element, the other end of said heating element being movable to and from positions of engagement with said electrical terminal by movement of said plug in said receptacle, and an electrical contact portion between said lamp and said heating element, said



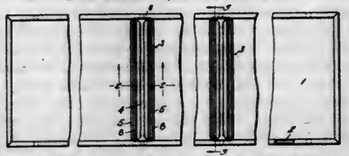
contact portion being movable to and from engagement with said ground terminal by movement of said plug in said receptacle with said other end of the heating element in engagement with said electrical terminal to render said lighter and said lamp respectively active.

2,260,589
MAGNETIC FLUX METER
George S. Smith, Seattle, Wash.
Application July 24, 1939, Serial No. 286,094
4 Claims. (Cl. 175—183)



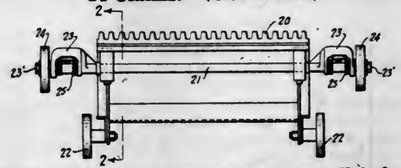
1. A magnetic flux meter comprising a Wheatstone bridge having two of its arms composed mainly of bismuth, adjusting means for obtaining an electric balance in the bridge, a source of energy for electrical excitation of said bridge, means for adjusting the flow of energy to the bridge from said source, means for determining the amount of excitation being supplied to said bridge, means for indicating the unbalance energy in the bridge, and a compensating coil absorbing energy from the magnetic field under measurement and applying a portion to oppose any unbalanced energy induced in the bridge by the magnetic field being measured.

2,260,590
PANEL SECTION
John P. Speck, Tiffin, Ohio, assignor to The Tiffin Art Metal Company, Tiffin, Ohio, a corporation of Ohio
Application February 10, 1941, Serial No. 378,276
1 Claim. (Cl. 40—125)



A panel section for sheet metal faced billboards comprising a rectangular channel bar frame with the closed sides of the frame bars facing inwardly of the frame and a sheet metal panel sheet mounted across the frame with opposing edges wrapped around respective side bars with their terminal edge portions extending across the closed sides of the bars and terminating adjacent to the inner edges of said sides, one or more reinforcing cross-bars for the section including a body part U-form in cross-section having a base flange forming side edge flanges seating flat against the rear side of the sheet and fixedly secured thereto at intervals lengthwise of the flanges and also forming a tongue at each end projecting at a rearward angle relative to said side flanges, said tongues fitting between the closed sides of the respective side bars and the lapping edge portion of the sheet in side abutment with each and fixedly attached at least to the side bars.

2,260,591
MOVING STAIRWAY
Ernest B. Thurston and Otto Hohnecker, Toledo, Ohio, assignors to The Haughton Elevator Company, Toledo, Ohio, a corporation of Ohio
Application October 2, 1939, Serial No. 297,525
14 Claims. (Cl. 198—16)

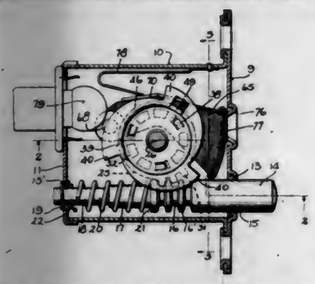


1. In a moving stairway, a step, parallel chains to which the step is attached, each chain consisting of links pivotally connected together by parallel pivotal connections, one at each end of each link, and the corresponding pivots of the two chains being in approximate alignment with each other, and a pivotal mounting of the step with respect to the chains having its axis substantially in the plane of the pivots of the links to which the step is attached, the attachments of the step to the chains being made directly to links and independently of the pivotal connections of the chain.

2,260,592
SWITCH
Robert K. Winning, Wauwatosa, Wis., assignor to Clum Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application December 19, 1938, Serial No. 246,573
5 Claims. (Cl. 200—11)

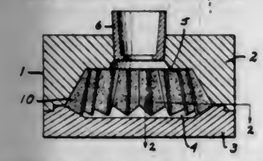
1. In a switch, the combination with a terminal head provided with fixed contacts, of a contactor

comprising movable contacts mounted to index respecting the fixed contacts between a plurality of circuit opening and circuit closing positions, the contacts of said contactor and terminal head being formed for co-operative camming engagement and having shouldered portions resisting relative rotation in one direction while readily rotatable for advance in a predetermined opposite direction, ratchet mechanism comprising driving and driven elements provided with mutually engageable and disengageable teeth for the driving of the driven element in said predetermined direction, means connecting the driven ratchet element with the contactor, whereby the aforesaid interaction of said contacts will re-



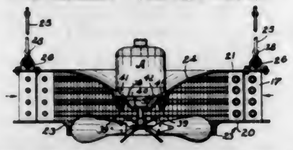
strain the driven ratchet element against movement in opposition to said predetermined direction of advance, a cam formed on the periphery of the driven ratchet element, an indicator including indicia in sequence at three or more spaced portions and a cam follower portion operable by each lobe of said cam for successive registry of the indicia to indicate the position of the driven ratchet element and contactor, and push button means for the oscillation of the driving ratchet element, whereby to advance the driven ratchet element and actuator step by step in the predetermined direction and to indicate each position of stepped advance.

2,260,593
METHOD OF MAKING WEAR RESISTANT SURFACES
Frederick M. Wittlinger and Charles W. Shartle, Jr., Houston, Tex., assignors to Texas Electric Steel Casting Company, Houston, Tex., a corporation of Texas
Application May 27, 1940, Serial No. 337,330
3 Claims. (Cl. 22—202)



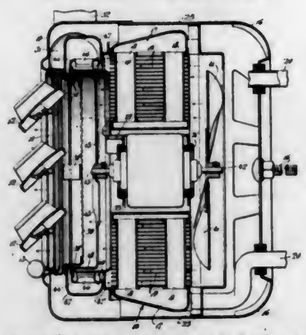
1. The method of producing an article having abrasion resistant surfaces thereon comprising the steps of, positioning against the surface of the mold a combustible carrier made up of a rigid material having attached thereto on the exposed face hard particles adapted to resist abrasion, and then pouring molten metal into the mold and against said particles to embed the particles in the metal which is to form such article, whereby the particles are held in the positions determined by the carrier and by intimate contact of the molten metal and the particles as the carrier is consumed.

2,260,594
ANNULAR CORE HEATER
Fred M. Young, Racine, Wis.
Application January 31, 1938, Serial No. 187,823
3 Claims. (Cl. 257—137)



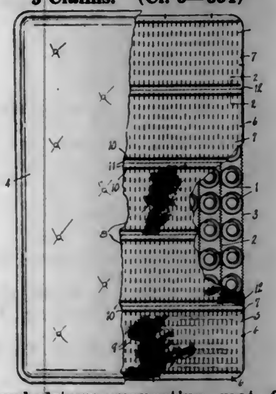
1. A heat transfer device of the class described, comprising an annular core having means for moving air radially therethrough, said core comprising two or more rows of tubes each row comprising a number of tubes in transverse alignment and each row of tubes having a multiplicity of closely spaced strip fins through which the tubes extend forming independent cores and being positioned one within the other, individual headers to which the adjacent ends of said rows of tubes are operatively connected, said headers at their adjacent sides being in juxtaposition, the adjacent surfaces being at a considerable angle transversely to thereby provide narrow and wide oppositely positioned ends, inlet and outlet openings in the wide ends of each header, projections on adjacent sides of said headers having registering apertures, a bolt in said apertures whereby said headers may be securely bound together.

2,260,595
AUTOMOBILE HEATER AND DEFROSTER
Carl H. Will, Winnetka, and Henry W. Fink, Chicago, Ill., assignors to Tropic-Aire, Incorporated, Chicago, Ill., a corporation of Delaware
Original application April 19, 1937, Serial No. 137,842. Divided and this application February 25, 1939, Serial No. 258,412
6 Claims. (Cl. 257—137)



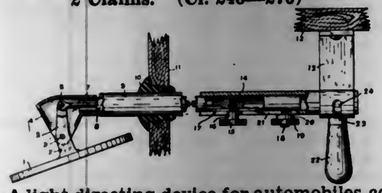
4. In a combined heater and defroster, a first casing having main and auxiliary discharge openings, a heating radiator having air passages, air-forcing means arranged between the radiator and the main opening and comprising a second casing removably attached to the radiator, said second casing having a peripheral chamber discharging into said auxiliary opening, air-separating means within the second casing defining the inner wall of said peripheral chamber and acting to guide air from the radiator into said peripheral chamber and from the radiator to the main outlet opening, an annulus rotative within said last mentioned means and having thereon a centrifugal blower operating in the said peripheral chamber to force air tangentially through said auxiliary opening, means rotating said annulus, and a second air-forcing means at the opposite side of the radiator operated by said rotating means and adapted to draw air through said radiator and out of said main discharge opening.

2,260,596
SPRING ASSEMBLY AND UPHOLSTERY SUPPORTING MAT THEREFOR
Leonard A. Young, Detroit, Mich., assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich.
Application May 16, 1940, Serial No. 335,559
5 Claims. (Cl. 5—354)



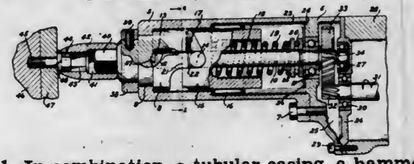
1. An upholstery supporting mat for spring structures comprising a plurality of connected mat units, each mat unit comprising a sheet of fabric having a plurality of reinforcing strands of resilient wire rove therethrough in spaced parallel relation, and flexible tie members of fibrous material to which the ends of the reinforcing strands are fixedly secured with the fabric extending beyond the tie members providing unreinforced edge flaps, said mat units being arranged in parallel relation and their adjacent flaps stitched together providing an upholstery supporting mat having substantially continuous reinforcement by the resilient wire strands with narrow flexile and compensating zones between the ends of the reinforcing strands of the mat units.

2,260,597
LIGHT DIRECTING DEVICE
Walter R. Beattie, Milwaukie, Oreg.
Application January 13, 1940, Serial No. 313,747
2 Claims. (Cl. 248—276)



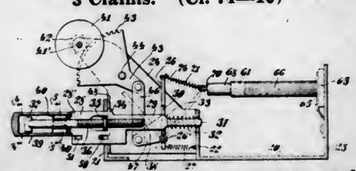
1. A light directing device for automobiles comprising, a slotted tube journaled in the body of the car, clamp means to secure said tube against rotation, a second slotted tube slidable in said first tube, clamp means securing said second tube against movement relative to said first tube, a rod slidable in said second tube, clamp means securing said rod against movement relative to said second tube, and a light directing element pivotally supported upon and connected respectively to the outer extremities of said second tube and said rod.

2,260,598
NUT RUNNER ATTACHMENT
Wendell K. Beckwith, Shorewood, Wis., assignor to Milwaukee Electric Tool Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application August 21, 1939, Serial No. 291,166
3 Claims. (Cl. 192—30.5)



1. In combination, a tubular casing, a hammer intermittently rotatable and reciprocable within and relative to the central axis of said casing, said hammer having a succession of approximately helical end cam surfaces the opposite ends of each of which terminate in abrupt ledges extending parallel to said axis, a continuously rotatable shaft journalled in said casing and having a rigid radial projection adapted to ride along said cam surfaces in succession to move said ledges parallel to said axis, an anvil intermittently rotatable and impactable by said hammer ledges and being cooperable with turnable work, and resilient means for constantly urging said hammer toward said shaft projection.

2,260,599
RADIO TUNING APPARATUS
Harold Z. Benton, Glencoe, and Lloyd P. Morris, Chicago, Ill., assignors to Crowe Name Plate and Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application August 15, 1940, Serial No. 352,692
3 Claims. (Cl. 74—10)

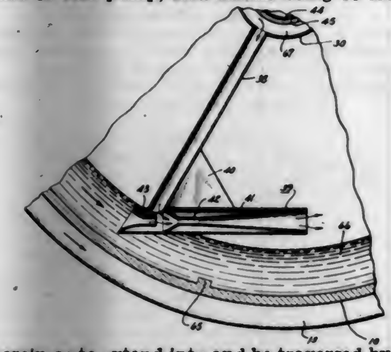


1. Radio tuning apparatus comprising a frame, a swinging bar pivoted in the frame, means normally swinging the bar in one direction, a plurality of means for selectively swinging the bar in the opposite direction, a tuner comprising fixed and movable members, means connecting the movable tuner member to the swinging bar, a rotary dial mechanism, and means connecting the swinging bar to the dial mechanism, said means comprising a gear on the rotary dial, a gear sector pivoted on the frame and meshing with the dial gear and a link connecting the swinging bar and the gear sector to rotate the sector upon swinging movement of the bar.

2,260,600
PUMP
Benjamin Clark Boeckeler, New York, N. Y.
Application February 19, 1938, Serial No. 191,367
15 Claims. (Cl. 230—75)

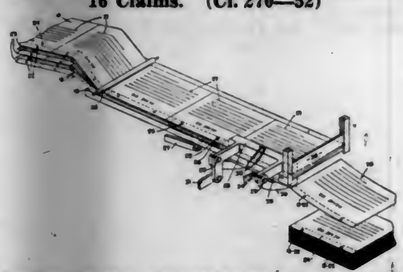
1. A pump comprising a shell of cylindrical contour mounted for rotation on the cylinder axis of revolution, said shell being adapted to contain a liquid and to be rotated at a speed at which

liquid when contained therein will be formed into a rotating liquid annulus; cooling fins on said shell; velocity-pressure conversion means located within said shell for establishing a pressure differential between the induction and eduction sides of said pump, said means being so located



therein as to extend into and be traversed by said liquid annulus; conduit means extending within said shell for feeding a gaseous or vaporous fluid to said velocity-pressure conversion means; and means for stripping excess liquid from the inner periphery of said liquid annulus and for conducting such liquid to a locus external of the pump.

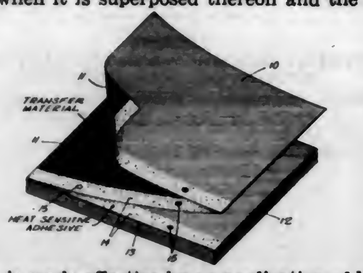
2,260,601
MANIFOLDING
Carl W. Brenn, Montclair, N. J., assignor to Autographic Register Co., Hoboken, N. J., a corporation of New Jersey
Original application May 19, 1938, Serial No. 208,795. Divided and this application October 28, 1938, Serial No. 237,375
16 Claims. (Cl. 270—52)



1. The herein described method of making manifolding material, the steps of applying thermo-active adhesive to both faces of a transfer strip along the margin thereof, permitting said adhesive to dry so that said strip may be handled, interleaving the transfer strip with a plurality of record strips so that the margins of the record strips engage the dried adhesive carried by the margin of the transfer strip, and applying heat and pressure to the margins to secure the strips together as a unit.

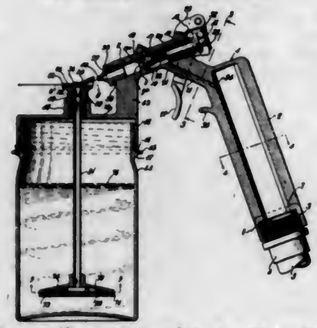
2,260,602
MANIFOLDING
Carl W. Brenn, Montclair, N. J., assignor to Autographic Register Company, Hoboken, N. J., a corporation of New Jersey
Application June 8, 1940, Serial No. 339,444
8 Claims. (Cl. 282—20)

1. As a new article of manufacture, a transfer medium for manifolding use comprising a continuous strip of fabric having transfer material applied thereto over part of its area and having a normally ineffective adhesive applied to another part of its area by means of which the transfer medium may be fastened to a record strip when it is superposed thereon and the ad-



hesive is made effective by an application of heat substantially higher than ordinarily encountered in the use of transfer strips so that after the transfer strip is fastened to the record strip the superposed strips may be handled without separating.

2,260,603
METHOD AND APPARATUS FOR FORMING SPRAYS
Gilbert G. Budwig, Glendale, Calif., assignor to Clayton Manufacturing Company, Alhambra, Calif.
Application May 25, 1940, Serial No. 337,273
14 Claims. (Cl. 299—84)

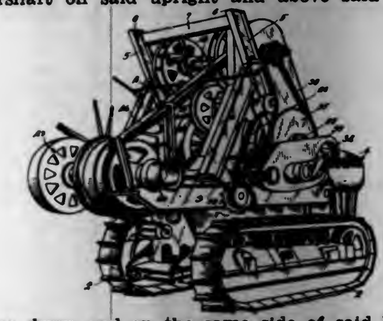


14. The method of forming a spray containing a plurality of liquids and air which comprises angularly directing a stream of one liquid at a deflecting surface, aerating said stream while it is moving at a high velocity with respect to said surface, and introducing a second liquid into the moving stream of the first mentioned liquid before it has traveled across said surface.

2,260,604
WELL DRILLING MACHINE
Harland W. Cardwell, Wichita, Kans., assignor to Cardwell Manufacturing Company, Inc., a corporation of Kansas
Application October 27, 1938, Serial No. 237,300
1 Claim. (Cl. 255—7)

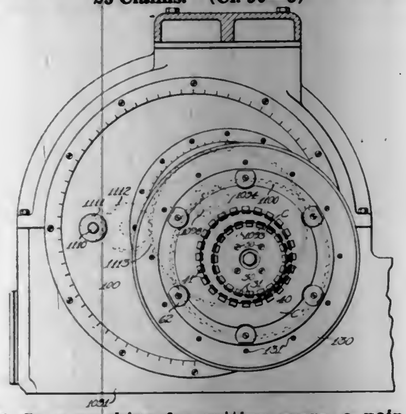
A portable well drilling machine comprising, a tractor with a prime mover at the front thereof, a frame thereon for supporting well drilling mechanisms and extending to the rear materially beyond the tread of said tractor whereby it may overhang the usual well platform when inserted within the usual derrick, a low hung

transverse cathead shaft rotatably mounted adjacent the extreme rear end of said frame and terminating in catheads outside said frame, a sand line drum rotatably mounted on said shaft, manually operable means for clutching said sand line drum to said shaft, a transverse drill line drum adjacent the central transverse vertical plane of said tractor, both of said drums being closely adjacent the bottom of said frame, said frame including an upright portion forming a hold down means terminating between and a material distance above said drums, a countershaft on said upright and above said drill



line drum and on the same side of said hold-down as said drill line drum and having a driving connection with each of said drums, a manually operable friction clutch in each of said driving connections, a variable speed driving connection between said prime mover and said countershaft, a vertically and laterally movable spudder sheave between said drums and below said countershaft and arranged in any position of its movement to direct a drill line cable directly therefrom to the crown pulley of the usual derrick and at the rear of said hold down when said sand line drum is inserted within said derrick with the hold down adjacent the side frame thereof.

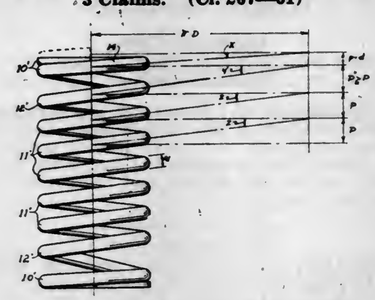
2,260,605
METHOD OF AND APPARATUS FOR CUTTING GEARS
Leonard O. Carlsen, Rochester, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Application March 10, 1937, Serial No. 130,140
25 Claims. (Cl. 90—5)



1. In a machine for cutting gears, a pair of eccentrically mounted face-mill gear cutters arranged to operate simultaneously in two adjacent tooth spaces of a gear blank, means for rotating the cutters in engagement with a gear blank, and means for periodically indexing the blank through an even number of tooth spaces of the blank.

8. In a gear cutting machine, a pair of eccentrically mounted gear cutters arranged to operate simultaneously in two different tooth spaces of a gear blank, means for rotating the cutters in engagement with the blank, means for indexing the blank periodically so that slots will be cut first in all the tooth spaces of the blank, and then each cutter will operate in a tooth space previously operated upon by the other cutter to taper-cut the same, and means controlling the speed of the cutting operation so that after slots have been cut in all the tooth spaces, the cutting operation will be accelerated so that the second cutting operation in each tooth space will take place at increased speed.

2,260,606
COILED SPRING
Howard Hoy Clark, Detroit, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application August 19, 1938, Serial No. 225,669
3 Claims. (Cl. 267—61)

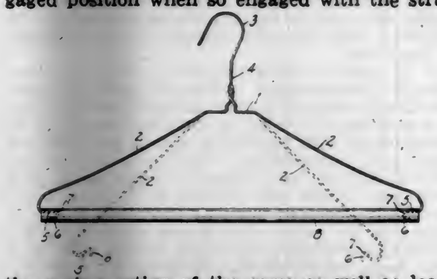


1. In a hot coiled spring of the helical compression type formed of a length of wire, a substantially cylindrically shaped body comprising a series of coils lying in a normal helical formation adjacent the central portion of the longitudinal axis thereof, a second series of coils disposed axially on either side thereof distorted from said normal helical formation, and a third series of coils forming the end turns thereof having a pitch substantially equal to the diameter of said wire and providing a seating portion for said coil spring.

2,260,607
GARMENT HANGER
James D. Coney, Detroit, Mich., assignor to Leonard A. Young, Detroit, Mich.
Application May 20, 1939, Serial No. 274,730
6 Claims. (Cl. 223—88)

1. In a garment hanger, a supporting yoke of wire having downwardly diverging arms terminating in inwardly directed fingers, the inner ends of which are turned downwardly and outwardly to provide outwardly directed lugs, and a tubular strut receiving said fingers and their said lugs, the length of the lugs and the spacing of the ends thereof from the fingers being such that the fingers and their lugs are in internal supporting engagement with the walls of the strut and the ends of the lugs in clutching engagement

with the bottom of the strut, the arms of the yoke being spread beyond their normal disengaged position when so engaged with the strut,



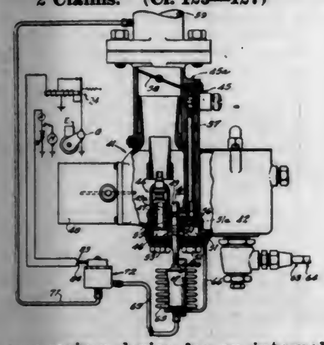
the spring action of the arms as well as loads supported thereby tending to increase the effectiveness of said clutching engagement.

2,260,608
METHOD OF DEHYDRATING REFRIGERATION UNITS
Elbert M. Cormack, Mount Healthy, Ohio, assignor to The Crosley Corporation, Cincinnati, Ohio, a corporation of Ohio
Application March 14, 1940, Serial No. 324,009
10 Claims. (Cl. 62—115)



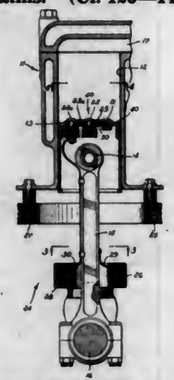
3. The method of dehydrating a refrigerating system containing a condensable gas comprising loading a desiccant into a body, sealing the desiccant therewithin, incorporating said body in the system, sealing said system and thereafter rupturing said body.

2,260,609
AUXILIARY CARBURETOR CONTROL FOR INTERNAL COMBUSTION ENGINES
Harry J. Crawford, Venice, Calif.
Application November 13, 1939, Serial No. 304,041
2 Claims. (Cl. 123—127)



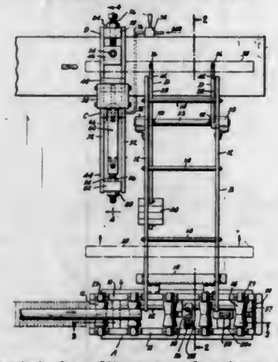
1. An economizer device for an internal combustion engine provided with carburetor means for effecting operation of said engine on either high-test or low-test fuel and provided with a storage battery and a generator operated by said engine for charging said battery, said device comprising: carburetor valve means associated with said carburetor means and operable between a first position to supply high-test fuel to said engine and a second position to supply low-test fuel to said engine; vacuum operated means for moving said carburetor valve means from its first to its second position; and electrically operated valve means associated with said generator for causing operation of said vacuum operated means when the charging current produced by said generator reaches a predetermined value.

2,260,610
IGNITION SYSTEM
Anthony J. Di Lucci, Los Angeles, Calif., assignor of one-half to Sydney J. Levy, Los Angeles, Calif.
Application May 26, 1941, Serial No. 395,212
18 Claims. (Cl. 123—148)



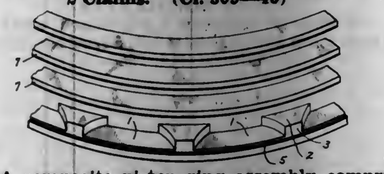
1. In an ignition system for an internal combustion engine, the combination of: a piston closing, at its pressure end, a combustion space which may contain a combustible gas mixture; members carried by said piston in said space, said members being separated from each other to form a spark gap; and means for impressing on said spark gap, at the instant it is desired to explode said mixture, a high frequency alternating electromotive force.

2,260,611
MATERIAL HANDLING MECHANISM
Bartel J. Di Santo, Woodbridge, N. J., assignor to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
Application November 18, 1938, Serial No. 241,105
5 Claims. (Cl. 77—63)



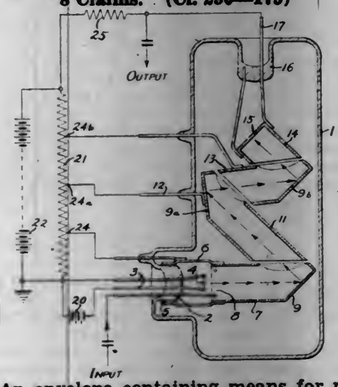
5. Material handling mechanism for metal billets and the like comprising conveying means along which billets being conveyed are adapted to travel, mechanism for actuating the conveying means to effect discharge of the billets therefrom, receiving instrumentalities for the billets including a delivery conveyor for the billet, and a frame pivotally mounted on the delivery conveyor and shiftable responsively to the weight of a billet received thereon from a billet-receiving to a billet-holding position, the said frame being provided with billet-holding devices for continuously engaging and holding the billet in predetermined position when the frame is in depressed position, and clamping mechanism for securing the billets in the said predetermined position for machining operations on the billets, the said mechanism including clamping jaws positioned relatively to the said billet-holding devices to clamp a billet retained in position by the said devices, and fluid pressure actuated devices for operating the said clamping jaws.

2,260,612
COMPOSITE PISTON RING
Albert P. Fall, Toledo, Ohio
Application February 2, 1938, Serial No. 188,266
2 Claims. (Cl. 309—45)



1. A composite piston ring assembly comprising a cast iron ring member having a continuous scraping edge adapted to be positioned flush with the lower land of a ring groove of a piston, upwardly extending integral spacers formed on said ring member and defining oil passages over the scraping edge portion to the interior of the piston groove, a plurality of thin superposed steel ring members supported in axial position by said spacers, and a resilient expander engaging all of said ring members and urging the same outwardly.

2,260,613
ELECTRON MULTIPLIER
Philo T. Farnsworth, Philadelphia, Pa., assignor to Farnsworth Television & Radio Corporation, New York, N. Y., a corporation of Delaware
Original application May 18, 1936, Serial No. 80,194. Divided and this application April 25, 1939, Serial No. 269,895
8 Claims. (Cl. 250—175)



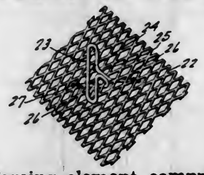
3. An envelope containing means for producing electrons, an anode, a series of surface elements capable of producing electrons by secondary emission and adapted to be progressively energized to increasing positive potentials, and tubular conductive electrodes enclosing substantially the entire path of the electrons between the various elements of said series, said conductive electrodes being connected to an element of higher potential and extending toward an element of lower potential.

2,260,614
EYE SHIELD
June Freitas, Hollywood, Calif.
Application June 28, 1941, Serial No. 400,263
6 Claims. (Cl. 132—88.5)



1. In an article of the kind described, a shield of sheet material having the general shape of a stocky hour glass, having identically shaped, reversely directed concave end edges.

2,260,615
COMBINED PLASTIC TIE AND CLIP
Charles H. Gibbs and Vernon A. Large, Oakland, Calif.
Application December 23, 1939, Serial No. 310,724
5 Claims. (Cl. 72—120)

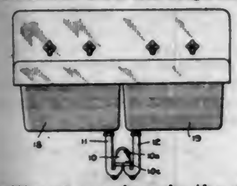


1. A reinforcing element comprising; a small section of expanded metal lath and a key element secured to the lath, said key element comprising a shank rotatable between the unsupported edges of mounted plaster board and projecting from the approximate center of one face of said lath and having a length substantially equal to the thickness of the plaster board and terminating in an elongated head connected to said shank and insertible through the space between the unsupported edges of the mounted plaster board and rotatable to a position at right angles to said unsupported edges through manual rotation of said small section, said shank having its point of juncture with said head at the approximate center of the length of the head.

2,260,616
TRAP DEVICE FOR TRAPPING WASTE OUTLETS
William C. Groeniger, Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York
Application September 27, 1939, Serial No. 296,774
5 Claims. (Cl. 182—18)

1. A fixture trap device comprising a plurality of individual down legs having curved lower ends, respectively, and a single up leg having a substantial horizontal bottom wall through which a plurality of individual openings are formed, the

respective lower ends of said plurality of down legs being connected with the respective openings



of said plurality of openings in the said bottom wall to form return bend portions of said trap device.

2,260,617

CLAY TREATMENT OF PRESSURE DISTILLATE

William T. Hancock, Long Beach, Calif.

Application April 17, 1939, Serial No. 268,270
14 Claims. (Cl. 196—147)



1. The process of treating gasoline-containing cracked distillate that includes, continuously passing through a stationary body of adsorptive material a mixture of the distillate and an aqueous sulfuric acid solution not exceeding substantially 25% acid concentration as determined by the volume of H_2SO_4 in the solution, said mixture being heated to a temperature in excess of about 200° F. but below the temperature of cracking, thereby simultaneously activating said material and causing the material to act upon acid modified constituents of the distillate, maintaining on said mixture while passing through said material a pressure sufficient to keep the acid solution and at least the major portion of the gasoline content of the distillate in liquid phase, continuously removing said mixture from the adsorptive material and separating acid sludge from the distillate, and finally recovering treated gasoline from the distillate.

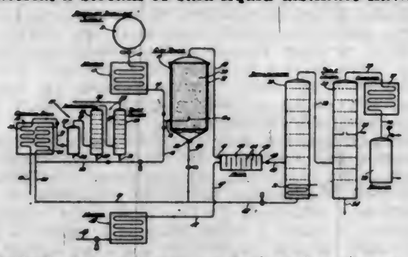
2,260,618

PROCESS OF REFINING PETROLEUM HYDROCARBONS

William T. Hancock, Long Beach, Calif.

Application November 27, 1939, Serial No. 306,347
12 Claims. (Cl. 196—147)

1. The process of refining petroleum hydrocarbons that includes subjecting heated gasoline-containing cracked petroleum distillate to polymerization by passing the liquid distillate into a body of adsorptive material wherein polymers are formed, allowing relatively high-boiling polymers to gravitate within the liquid distillate in said body of material toward the bottom thereof, and separately withdrawing from said body of material a stream of said liquid distillate having



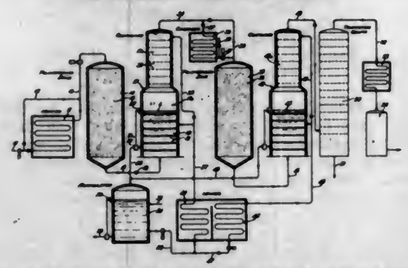
relatively low polymer content and a stream of the liquid distillate that is relatively high in polymer content.

2,260,619

TREATMENT OF POLYMERIZABLE PETROLEUM DISTILLATES

William T. Hancock, Long Beach, Calif.

Application January 22, 1940, Serial No. 315,010
13 Claims. (Cl. 196—147)



1. The process of treating heated cracked petroleum distillate containing a gasoline fraction, that includes subjecting the distillate to polymerization by contacting it with adsorptive material in a polymerizing zone, maintaining within an enlarged mixing zone a quantity of heated oil having a considerably higher boiling range than said gasoline fraction, introducing the distillate from said polymerizing zone into the mixing zone and therein intimately comingling said higher boiling oil and the polymerized distillate at a temperature above the vaporizing temperature of said gasoline fraction at the pressure in the mixing zone, said temperature also being above the temperature of the distillate being introduced to the mixing zone, flowing the distillate upwardly through the higher boiling oil and thereby causing polymerized and sulphur-containing bodies in the distillate to become retained in the higher boiling oil, removing the vaporized gasoline fraction from the higher boiling oil and subjecting the removed vapors to condensation, and separately removing the unvaporized higher boiling oil from said mixing zone.

2,260,620

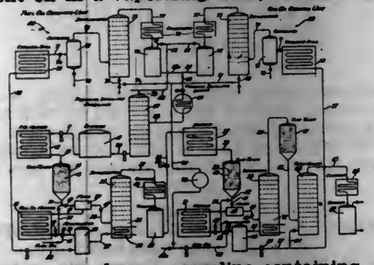
PROCESS OF REFINING PETROLEUM OIL

William T. Hancock, Long Beach, Calif.

Application April 1, 1940, Serial No. 327,198
8 Claims. (Cl. 196—147)

1. The process of refining petroleum oils that includes, subjecting separate oil streams to cracking in separate cracking zones, subjecting the hydrocarbons from said cracking zones to

fractionation and condensation to produce gasoline-containing pressure distillate, subjecting said distillate, while heated, to polymerization by contacting it with adsorptive material, passing through a heating zone a stream of solvent oil having a boiling range substantially higher than that of the gasoline content of the pressure distillate, mixing the heated solvent oil with the polymerized pressure distillate, vaporizing and separating the gasoline from the unvaporized solvent oil in a vaporizing zone, condensing the



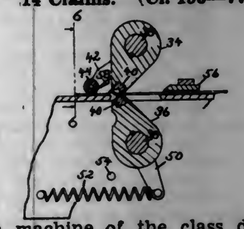
vapors to produce a gasoline-containing condensate, passing unvaporized solvent oil from the vaporizing zone to one of said cracking zones as charging stock, heating said condensate and contacting it with adsorptive clay, then mixing said condensate with heated oil having a higher boiling range than the gasoline content of the condensate, vaporizing and separating the vapors from the higher boiling oil, subjecting the separated vapors to condensation, and passing the unvaporized solvent oil to the other of said cracking zones as charging stock.

2,260,621

MACHINE FOR FORMING SHEET METAL SECTIONS

Frank L. Hoess, Hammond, Ind.

Application August 19, 1939, Serial No. 290,942
14 Claims. (Cl. 153—77)



1. In a machine of the class described, the combination with a support, of guiding and supporting means thereon for sections of sheet material, including a set of driven rolls incorporated with said guiding and supporting means for feeding the sections therealong, a pair of members mounted above and below the path of movement of the sections and swingable from one side of a median line to the opposite side thereof on axes at right angles to the direction of movement of the sections, said members being provided with complementary embossing elements arranged to engage each section during movement thereof and emboss it, and means for swinging said members.

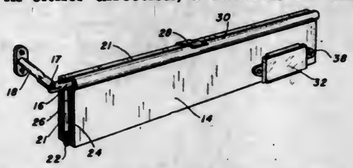
2,260,622

ADJUSTABLE GLARE SHIELD

Robert T. Hogg and Hazel V. Hogg, Seattle, Wash.

Application May 22, 1940, Serial No. 336,664
2 Claims. (Cl. 296—97)

1. In an adjustable glare shield, the combination with a bearing rod having a split resilient portion, of a rectangular hollow main section having a tubular bearing frictionally engaging said rod, an extensible section mounted in the hollow main section movable longitudinally in either direction, a foldable rectangular



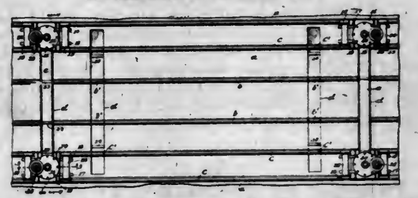
hollow section hinged at the longitudinal free edge of the main section, an extensible section mounted in the foldable section and movable longitudinally in either direction, and means for securing the foldable section in folded position.

2,260,623

HOISTING MECHANISM FOR LOCOMOTIVES

Louis D. Holmes, Harvey, Ill., assignor to Whiting Corporation, Harvey, Ill., a corporation of Illinois

Application July 22, 1940, Serial No. 346,764
13 Claims. (Cl. 104—32)



1. In hoisting mechanism for locomotives, the combination of a pair of portable lifting jacks, each jack comprising a portable base, an upstanding column having its lower end fixedly secured to the base and movable therewith, and a vertical lifting element associated with the column, each base being provided with an opening extending vertically therethrough, through which the lower end of the vertical lifting element is adapted to pass, a lifting beam connected to the lower ends of the lifting elements and movable vertically through the openings in and below the frames, and mechanism mounted at the upper end of the column for operating said elements to raise or lower the lifting beam.

2,260,624

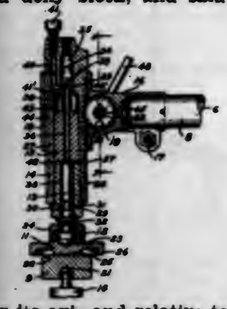
SHEET METAL SHAPER

Albert S. Johann, Milwaukee, Wis., assignor to Milwaukee Electric Tool Corporation, Milwaukee, Wis., a corporation of Wisconsin

Application December 11, 1939, Serial No. 308,621
2 Claims. (Cl. 153—48)

2. In combination, a portable C-shaped frame having upper and lower ends, an anvil universally tiltable upon said lower frame end, a hammer cylinder adjustable with respect to said upper frame end toward said anvil, an impact pin protruding from the lower end of said cylinder, a piston reciprocable within said cylinder to deliver blows to said pin, and a dolly block interposed between said pin and said anvil, said block being universally tiltable relative to said cylinder and pin and having an annular groove facing said anvil and providing a peripheral work engaging lip spaced from and surrounding the axis of said pin for effecting simultaneous tilting of

the anvil and dolly block, and said pin being



movable along its axis and relative to said dolly block and anvil.

2,260,625

GEL AND LUBRICANT MADE THEREFROM

Samuel S. Kistler, West Boylston, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application January 13, 1938, Serial No. 184,843
10 Claims. (Cl. 252—16)

1. A lubricant comprising an oily liquid substance and a solid substance consisting principally of an inorganic gel formed apart from the liquid substance but retaining in the thickened liquid the gel structure substantially as formed, said gel being substantially free from liquids other than said oily liquid substance.

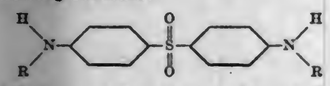
2,260,626

PROCESS OF PREPARING 4,4'-DISUBSTITUTED-DIPHENYL SULPHONES

Ervin C. Kleiderer and Arthur M. Van Arendonk, Indianapolis, Ind., assignors to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana

No Drawing. Application August 15, 1938, Serial No. 225,050
2 Claims. (Cl. 260—397.6)

1. In the process of preparing 4,4'-diacylamino-diphenyl sulphones which are represented by the following formula:



in which R represents a member of the class consisting of aliphatic acyl groups having not more than 5 carbon atoms and the benzoyl group, the step of oxidizing a member of the class consisting of 4,4'-diacylamino-diphenylsulphides and 4,4'-diacylamino-diphenyl sulphoxides by treating it in concentrated acetic acid with an excess of hydrogen peroxide over the amount theoretically necessary to produce the sulphone.

2,260,627

MATTRESS SPRING

Abraham Krakauer, Brooklyn, N. Y., assignor to Kay Manufacturing Corporation, Brooklyn, N. Y., a corporation of New York

Application January 12, 1938, Serial No. 184,505
11 Claims. (Cl. 5—260)

6. In a spring structure, a row of marginal coil springs each having end coils and smaller intermediate coils, a reentrant portion on each of the end coils constituting stop means for preventing movement of any of said intermediate coils vertically past the end coils, the coils of each spring being so arranged that a vertical plane tangent to the extremities of the reentrant portion is substantially tangent to said in-



termediate coils, and a helical spring wound about those parts of the end coils of each marginal spring adjacent its reentrant portion and also wound about part of the next adjacent intermediate coil of all the springs in the row.

2,260,628

HALOGENATED BENZOYL GLYCOLLATE ESTER COMPOSITIONS

Lucas P. Kyrides, Webster Groves, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application March 4, 1937, Serial No. 128,987
21 Claims. (Cl. 260—476)

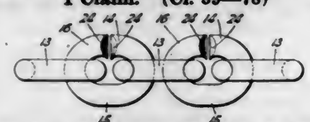
1. The ethyl glycollate ester of o-chlorobenzoic acid.

2,260,629

ARTICLE OF MANUFACTURE

Archibald L. McKinnon, St. Catharines, Ontario, Canada, assignor to Columbus McKinnon Chain Corp., Tonawanda, N. Y., a corporation of New York

Application June 24, 1939, Serial No. 281,041
1 Claim. (Cl. 59—78)



As an article of manufacture, a heavy duty chain comprising a plurality of initially formed closed, seamless links and single piece split links of one convolution, said closed and split links being alternately arranged, each of said split links being initially formed with its ends separated to permit spreading thereof to assemble adjacent solid links therewith, and the end of said split links being united by the material of the link in a single welded joint following assembly.

2,260,630

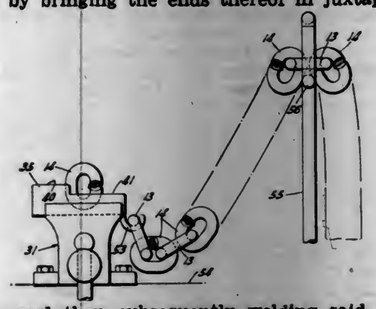
METHOD OF MAKING CHAINS

Archibald L. McKinnon, St. Catharines, Ontario, Canada, and Otto W. Winter, Grand Island, N. Y., assignors to Columbus McKinnon Chain Corp., Tonawanda, N. Y., a corporation of New York

Application June 24, 1939, Serial No. 281,042
11 Claims. (Cl. 59—31)

1. A method of making a chain formed of a plurality of closed links and split links, consisting of heating each of said split links, twisting the closed side of each of said split links on its axis while heated, thereby providing a space between the ends thereof for the passage of a closed link, assembling two closed links within said opened, split link, then closing said split

link by bringing the ends thereof in juxtaposi-



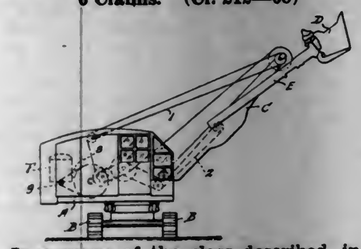
tion, and then subsequently welding said split links.

2,260,631

SWING CRANE MECHANISM

Holger L. Mitchell, Milwaukee, Wis., assignor to Koehring Company, Milwaukee, Wis., a corporation

Application May 10, 1937, Serial No. 141,850
6 Claims. (Cl. 212—68)



1. In a crane of the class described, in combination, a traction base, a crane body revolvably supported on said base, swing gearing for swinging said crane body relatively to the base, comprising a swing shaft, a swing pinion operable by said shaft, a swing gear on the base coacting with the swing pinion, a motor, a driven shaft operated by the motor and a plural speed differential gear set interposed between said driven shaft and the swing shaft, and means for selectively operating the gears of the differential gear set for driving the swing shaft at selected of plural speeds from said driven shaft, the differential gear set comprising gears of different gear ratios, a high speed gear coacting with one of the gears of the differential gear set, a low speed gear coacting with the other of the gears of the differential gear set, a shaft carrying said high speed and low speed gears operable by the driven shaft from the motor, and means to establish a driving connection between the last mentioned shaft and either one of the high speed and low speed gears carried thereby.

2,260,632

ACYLAMINOBENZENESULPHON-HYDROXYAMIDES

Maurice L. Moore, Drexel Hill, and Ellis Miller, Philadelphia, Pa.

No Drawing. Application May 5, 1938, Serial No. 206,279
6 Claims. (Cl. 260—397.7)

1. Compounds of the formula



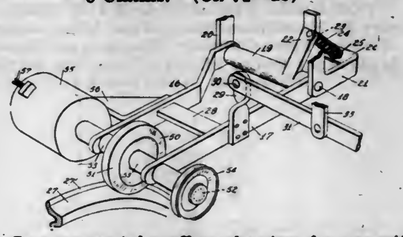
in which RCO is the acyl radical corresponding to a carboxylic acid having at least four carbon atoms.

2,260,633

POWER TAKE-OFF FOR ROLLING STOCK

Charles L. Moorman, Blue Island, Ill.

Application November 2, 1938, Serial No. 238,305
8 Claims. (Cl. 74—13)



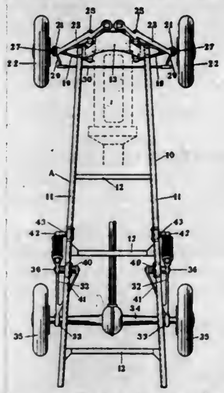
1. In a power take-off mechanism for use with wheeled vehicles and of the type including a support and means pivotally mounting the same on said vehicle adjacent a wheel thereof for movement about an axis substantially parallel to the axis of rotation of said wheel and substantially in alignment with said wheel, the combination of a friction drive wheel journaled on said support for rotation about an axis parallel to that of said wheel, a generator supportably attached to said support and drivingly connected with said friction drive wheel, and an auxiliary drive connection for said friction drive wheel accessible exteriorly of the vehicle and adapted to be connected to an external source of power to drive said generator when the friction wheel is out of engagement with said vehicle wheel, and mechanism for pivoting the support toward and away from said vehicle wheel.

2,260,634

COMBINED SPRING AND SHOCK ABSORBER

Ludwig Mullner, St. Paul, Minn.

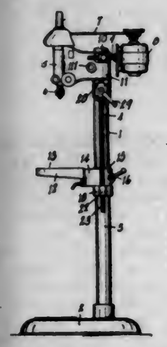
Application August 9, 1939, Serial No. 289,167
8 Claims. (Cl. 267—34)



1. In a spring and shock absorber unit, a pair of spaced end plates, a coil spring interposed between said end plates, a cylinder secured at one end to one of said end plates, a sleeve in telescopic relation to said cylinder, resilient means connecting said sleeve to the other of said end plates, a closed end on said sleeve, a piston rod secured to said closed end and extending through the other end of said cylinder, a piston

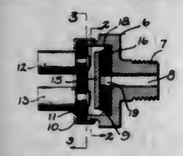
on said rod within said cylinder, said other end of said cylinder extending into proximity with said rod, and check valve means in said other end of said cylinder.

2,260,635
HEAD AND TABLE ADJUSTING MECHANISM FOR DRILL PRESSES AND THE LIKE
Henry E. Musselman, Kalamazoo, Mich., assignor to Atlas Press Company, Kalamazoo, Mich.
Application March 26, 1941, Serial No. 385,251
12 Claims. (Cl. 77—20)



1. In a machine tool or like construction having an elongated supporting column, a tool carrying head and a table, said head and table being mounted on said column for adjustment longitudinally thereof, supports for said head and table respectively in sustaining relation thereto and slidably engaged with said column, said supports having manually actuable means for selectively clamping the same to the column, an elongated adjusting screw rod disposed parallel to said column, said head support rotatably receiving and axially restraining said rod and said table support having threaded connection to the rod, and means associated with said head support and coacting with said rod for rotating the latter whereby a given support is adjustable longitudinally on said column by manipulation of said last named means upon the other support being secured to the column by its clamping means.

2,260,636
DIAPHRAGM DEVICE
Lucius S. Neff, Wauwatosa, Wis., assignor to Clum Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application September 17, 1938, Serial No. 230,410
20 Claims. (Cl. 200—83)



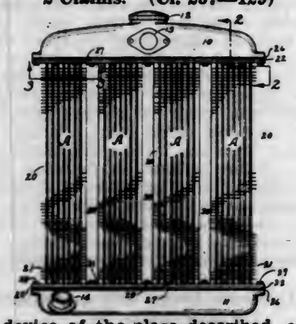
1. A device of the character described, comprising the combination with a casing provided with a substantially planiform annular wall portion and a port within said portion, of an elastically deformable body having a face vulcanized to the casing wall planiform portion immediately about said port in port-sealing relation.

2,260,637
AUTOMATIC HYDRAULIC BRAKE FOR TRAILERS
Leroy B. Ovenhouse, Tampa, Fla.
Application February 19, 1941, Serial No. 379,666
3 Claims. (Cl. 188—142)



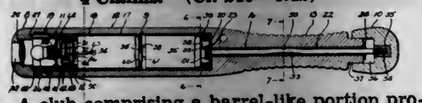
1. A trailer brake operating mechanism comprising, in combination, a tubular casing adapted to be connected at one end thereof with a trailer vehicle, a brake operating element for the trailer brake system mounted in said one end of the casing, a tubular member secured longitudinally within said casing, and a hitch bar extending longitudinally through said tubular member and having one end operatively connected to said brake operating element, and the relatively opposite end thereof adapted to be connected with a draft vehicle, and interengaging means on said tubular member and on said hitch bar coacting to limit longitudinal movement of said casing and hitch bar relative to one another in either of two directions, a spring biased locking pin having a working fit through openings provided in said casing and said tubular member, and said hitch bar provided with a socket adapted to receive the inner end of said pin whereby to secure said casing and hitch bar against relative longitudinal movement, and a manually manipulative member hingedly mounted on said casing and having frictional contact with said pin to act thereon in opposition to the biasing spring to releasably secure the inner end of the pin engaged in said socket.

2,260,638
SECTIONAL CORE HEAT EXCHANGER
Leslie C. Pfost, Racine, Wis., assignor to Young Radiator Company, Racine, Wis., a corporation of Wisconsin
Application July 28, 1939, Serial No. 286,947
2 Claims. (Cl. 257—129)



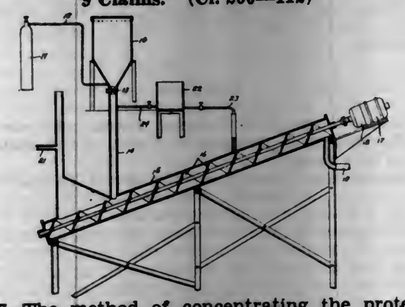
1. A device of the class described, comprising spaced headers having flat uniform inner faces, a number of spaced cores each operatively connecting said headers, said cores comprising rectangular in cross section bundles of tubes and a multiplicity of closely spaced fins through which the tubes extend, said operating connections including rectangular tube plates through which the ends of the tubes extend and being bonded thereto, the protruding ends of said tubes adapted to register with openings in said flat faces, the edges of said tube plates adapted to lie on said flat faces, their adjacent edges being in juxtaposition and having registering notches cut therein, gaskets positioned between said tube plate edges and flat surfaces, binder plates positioned on said edges and having bolts adapted to bind and seal the tube plates to said headers, the adjacent edges of said tube plates being covered by a single binder plate, the bolts of which extend through the openings formed by said notches.

2,260,639
FLASHLIGHT BILLY
William M. Powell, Milwaukee, Wis.
Application March 1, 1939, Serial No. 259,139
4 Claims. (Cl. 240—6.42)



1. A club comprising a barrel-like portion provided with a central chamber and a handle portion provided with a center bore leading to said central chamber, the terminus of the handle provided with an annular bearing portion, a metallic sleeve disposed within said center bore, a distorted rod projecting through said sleeve and in frictional engagement with the walls thereof, a cap carried by the rod and provided with a cylindrical chamber for slidable mounting on the handle bearing terminus, a flashlight unit contained within said chamber, said unit including a dry cell, a bulb, and spring means for connecting the bulb with the cell, contact means disposed within the chamber secured to the chamber terminus of said rod element in slidable relation to a contact terminal of said dry cell whereby to permit axial movement of the cap along a portion of the handle bearing to provide means available to a user for opening and closing the cell and bulb circuit.

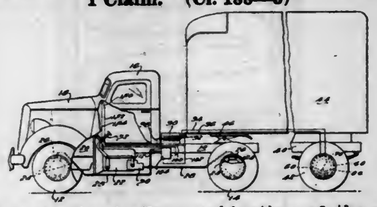
2,260,640
METHOD OF TREATING SEEDS RICH IN PROTEIN
Francis G. Rawling and Wright M. Welton, Piedmont, W. Va., assignors to West Virginia Pulp and Paper Company, New York, N. Y., a corporation of Delaware
Application October 25, 1939, Serial No. 301,196
9 Claims. (Cl. 260—112)



7. The method of concentrating the protein of soy bean meal, which comprises treating the substantially oil-free meal with a gas having an acid reaction in water sufficient to give the pH of the water a value of 4.8 or lower, then washing the so treated meal with an acid solution of a pH at which the protein thereof is relatively insoluble, to remove from the meal coloring and other non-protein matters, and dissolving the protein from the so treated meal in a protein solvent.

9. The method according to claim 7, in which the gas used is sulfur dioxide.

2,260,641
TRACTOR-TRAILER BRAKE MECHANISM
Frederick M. Reid, Detroit, Mich., assignor to Fruehauf Trailer Company, Detroit, Mich., a corporation of Michigan
Application February 27, 1941, Serial No. 380,799
1 Claim. (Cl. 188—3)



In a tractor-trailer combination of the class wherein the tractor is provided with a hydraulic braking system and the trailer is equipped with electrically operated brakes connected in circuit with a suitable source of electrical energy, the combination with said hydraulic braking system and said electrically operated brakes of a unit operatively interconnecting the same, said unit comprising an element movable under the influence of pressure variations and operatively connected to said hydraulic braking system for movement simultaneously with variations in pressure therein, a resistance device associated with said circuit for said electrically operated brakes comprising a row of normally spaced spring arms fixed at one end only thereof, a contact element fixed to the free end of each of said arms and said contact elements being normally spaced from one another, an electrical resistance element interconnecting each adjacent pair of said arms excepting only the pair of arms at one end of said row, the end arms of said row of arms being connected in series with said electrically operated brakes and said source of electrical energy therefor, and said movable element being operatively connected to said arm at said one end of said row and arranged to cause successive contact of said contact elements during continued movement of said movable element in one direction under the influence of increasing pressures in said hydraulic brake system, whereby to correspondingly successively short out said resistance means between said adjacent pairs of arms.

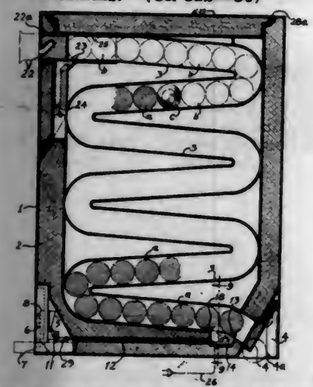
2,260,642
DIARALKYL CYANAMIDES
Richard O. Roblin, Jr., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application May 23, 1939, Serial No. 275,224
3 Claims. (Cl. 260—551)

1. As a new compound, the disubstituted cyanamide of the formula—



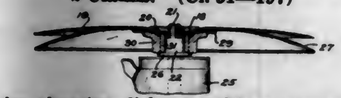
where the Rs are chosen from the group consisting of 1-naphthylmethyl and 5-nitro-1-naphthylmethyl radicals.

2,260,643
VENDING MACHINE
Joseph Rosan, Upper Darby, Pa.
Application April 12, 1937, Serial No. 136,319
4 Claims. (Cl. 312—36)



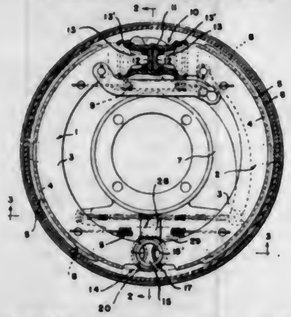
1. A unit structure for insertion in a vending cabinet comprising a casing having a zig-zag magazine for filled bottles and empty bottles, said magazine having an entrance near the top of the casing for the insertion of empty bottles and an exit near the bottom of the casing for the delivery of filled bottles, a baffle plate at the entrance of the magazine and having a cut-out for permitting the insertion of a bottle of predetermined contour, the cut-out corresponding to the silhouette of the predetermined bottle, a delivery mechanism at the exit of the magazine and having means engaged by a filled bottle for controlling the operation thereof, said magazine adapted to contain a supply of filled bottles of the predetermined contour when the unit structure is inserted into the vending cabinet, said filled bottles having end portions of the same diameter for rollingly engaging the magazine and contracted or reduced portions, said magazine also being adapted to contain a reversed bottle of the same contour engaging the topmost filled bottle but arranged in a reverse position with respect to the filled bottle, and a stop in the magazine adjacent the delivery mechanism so constructed that the filled bottles will pass the stop but the reversed bottle will be detained whereby, when the last filled bottle is dispensed, the means previously engaged by the filled bottle will be operated to prevent further actuation of the delivery means.

2,260,644
ABRASIVE DISK SUPPORT
Albert F. Siebert, Milwaukee, and Wendell K. Beckwith, Shorewood, Wis., assignors to Milwaukee Electric Tool Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application March 25, 1939, Serial No. 264,074
2 Claims. (Cl. 51—197)



1. An abrasive disk assemblage comprising, a permanently convexly curved relatively thin resilient supporting disk of approximately uniform thickness and curved to approximately spherical zone shape throughout its entire area, a relatively flat and flexible abrasive disk normally contacting only the central portion of said supporting disk, and means for removably clamping only the central portions of said disks together and for rotatably mounting the same, said abrasive disk being formed to remain out of contact with the spherically curved peripheral portion of said supporting disk during idle rotation of the assemblage and the peripheral portions of both disks being engageable and simultaneously deflectable only when said abrasive disk is pressed against the work.

2,260,645
BRAKE
Charles W. Sinclair, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application September 18, 1939, Serial No. 295,521
7 Claims. (Cl. 188—79.5)

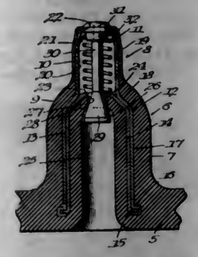


5. In a brake, a backing plate, brake friction means having the adjacent ends spaced from each other, an adjustment device completely at the inside and extending transversely of the backing plate, said adjustment device comprising a wedge movable transversely of the backing plate between the spaced ends of the friction means for actuating the latter, an adjustable member for actuating the wedge, a bracket housing for the wedge and adjustable member movable with the friction means, said bracket housing having slots in opposite side walls thereof for receiving the ends of the friction means to permit engaging said ends with opposite sides of the wedge, and spring means urging the bracket housing toward the backing plate and holding the outboard sides of the slots against the adjacent sides of the ends of said friction means.

2,260,646
VALVE STEM
Michael A. Sorokin, Milford, Conn., assignor to Jenkins Bros., Bridgeport, Conn., a corporation of New Jersey
Application February 8, 1939, Serial No. 255,322
2 Claims. (Cl. 152—430)

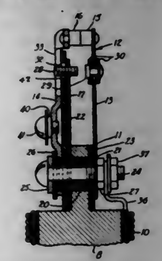
2. A valve stem including a tubular insert having upper and lower portions, said upper portion being of smaller cross section than said lower portion and said portions being joined by a tapered shoulder, said insert also including an inwardly directed shoulder in adjacency to the upper extremity of said tapered shoulder and adapted to provide an abutment for a spring, a rubber body portion in which said lower portion of said insert and said tapered shoulder are embedded whereby said rubber body portion includes inner and outer sections of which the outer has a tapered shoulder embracing the tapered shoulder of the insert,

said inner section extending within said insert throughout the length of the lower portion of said insert and crossing the tapered shoulder of the insert but terminating at said inwardly directed shoulder to constitute a rubber valve seat that is backed by the insert shoulders, and a rubber flap with which said sections are integrally joined,



said insert terminating at its lower end within said flap, the length of the stem portion beyond the shoulder of said outer section being on the order of one third of that of the stem from its tip to said flap and the length of said outer section between its shoulder and said flap being on the order of the thickness of a wheel rim structure.

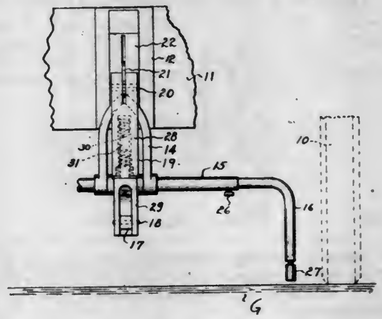
2,260,647
SOLDERING IRON
Willis N. Vanatta, Ontario, Calif.
Application October 14, 1938, Serial No. 234,985
8 Claims. (Cl. 200—138)



1. In an electrically heated soldering iron including a core having an electric heater, said core having an extension adjacent the heater, a thermostatic switch comprising a pair of members supported in spaced relationship on said extension, each carrying a contact, one of said members being resilient so as to normally maintain the contacts in engagement, a bimetallic member disposed in intimate heat exchange relationship with the extension and arranged to flex in response to temperature changes therein, said bimetallic member when unflexed being out of operating relation with said flexible member, said bimetallic member being arranged to flex the resilient member, upon flexing, to operate the contacts.

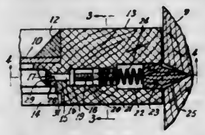
2,260,648
SIGNALING SYSTEM
John B. Testori, Detroit, Mich.
Application December 1, 1937, Serial No. 177,397
2 Claims. (Cl. 200—58)

1. Means adapted to operate a signal to indicate the loss of pressure in the pneumatic tires of a vehicle in which the vehicle has a signal operating switch and switch arm attached to an axle thereof, comprising a supporting arm depending below the axle, a crank rod rotatively mounted in said supporting arm, a crank arm carried by said rod and having a free end located adjacent one of the vehicle tires in close proximity to the ground surface over which the vehicle travels, said crank arm being adapted to move in a clockwise direction when said free end contacts the ground while the vehicle is moving in a forward direction, a second crank arm at-



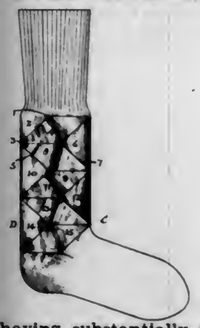
tached to said crank rod and movable therewith, and a complex link structure having relatively movable cooperable parts one thereof being attached to said switch arm and the other connected to said second crank arm whereby to permit counterclockwise movement of said crank rod and both of said crank arms upon contact of the free end of said first named crank arm with the ground surface during movement of the vehicle in a reverse direction.

2,260,649
WEATHER STRIP
Howard H. Turner, Inglewood, Calif., assignor of twenty-four and one-half per cent to C. E. Joslin and twenty-four and one-half per cent to M. E. Joslin, both of Inglewood, Calif.
Application January 2, 1940, Serial No. 312,013
4 Claims. (Cl. 20—68)



1. In combination with closure elements, a weather strip movably supported on one of said elements to bear against the other element, spring means disposed with one end freely engaging the strip and tending to urge the strip into such bearing position, a threaded pin rotatable through a portion of said element, a threaded abutment arranged on the pin and engaging the other end of the spring to adjust the tension on the spring, means to prevent turning movement of the abutment with the pin, a shoulder on the pin engaging one side of the said portion of the element to prevent lengthwise movement of the pin out of position under action of the spring, and the pin having an adjusting head opposed to the shoulder and engaging the opposite side of the said portion of the element to prevent movement of the pin in the opposite direction, the adjusting head being accessible exteriorly of the supporting element in use.

2,260,650
HOSIERY AND METHOD OF MANUFACTURE
John M. Allen, Toronto, Ontario, Canada, assignor to Scott & Williams, Incorporated, Laconia, N. H.
Application December 27, 1938, Serial No. 247,805
22 Claims. (Cl. 66—179)



1. Hosiery having substantially squared areas and rhomboid shaped areas knit therebetween in zig-zag relation in separating relation to the squared areas.

2,260,651
REINFORCED PAPER DISH
James E. Annen, Kalamazoo, Mich., assignor, by mesne assignments, of one-half to Kimberly Stuart, and one-half to Elizabeth R. B. Stuart, both of Menasha, Wis.
Application March 6, 1939, Serial No. 259,934
6 Claims. (Cl. 229—2.5)



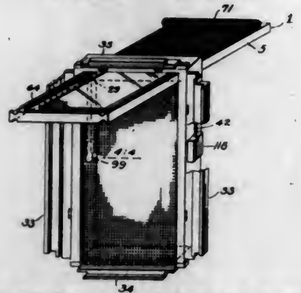
1. An article having a peripheral rim and a reinforcing bead surrounding said rim with its side edges embedded in the rim on opposite sides of the latter, said bead comprising a metallic strip having similar ends including rectangular terminal portions of full width and rectangular notched portions of reduced width adjacent said terminal portions, said strip being arranged for crimping with its ends overlapping and with said terminal portions in angular register with the notched portions, whereby to prevent the occurrence of a double thickness of the metal strip at points on either of said opposite sides of the rim at which the strip is embedded, the sides of said strip being crimped to effect endwise locking engagement of said terminal and notched portions to thereby reinforce the rim and to uniformly embed the strip in said rim throughout the periphery thereof.

2,260,652
WOODEN TANK
Arthur W. Ashley, Houston, Tex.
Application October 25, 1937, Serial No. 170,839
6 Claims. (Cl. 217—4)



1. A tank stave having one longitudinal edge flat and having its opposite longitudinal edge grooved with a liquid channel formed in the stave and communicating with the groove, and an insertable member within the groove and covering the channel to trap liquid therein.

2,260,653
WINDOW
Hans Badrutt, Detroit, Mich.
Application January 3, 1939, Serial No. 249,139
16 Claims. (Cl. 20—42)



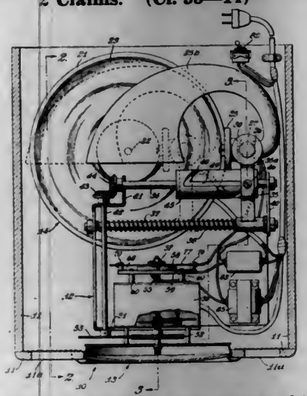
1. In a window, a fixed frame, a frame pivotally connected to said fixed frame, counterbalanced sliding sashes carried by said pivoted frame and stops hinged to said fixed frame and coacting with said pivoted frame and said sashes, said stops overlying on edge of the fixed frame, the openings between the frames, an edge and sash guide bead of the pivoted frame and contacting said sashes, one of said stops being held in operative position by overlapping portions of others of said stops, said other stops being secured by bolts.

2,260,654
SPOON
Mark Barnett, Whiting, Ind.
Application December 11, 1939, Serial No. 308,705
2 Claims. (Cl. 259—144)



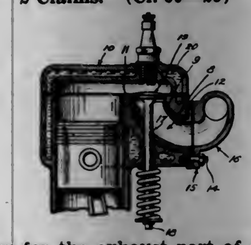
1. A spoon comprising a handle, a bowl cut away to provide a central opening, a pair of integrally connected blades in said opening journaled for rotation about an axis extending longitudinally of the bowl, each blade extending in its entirety above and below the bowl when in one position of its rotary movement, each blade being substantially the shape of one-half of a disk in contour, the inner edges of the blades being located at the transverse center of the opening, the outer edges of the blades being disposed adjacent the wall of the opening, each blade being curved in opposite directions on opposite sides of the longitudinal axis of the spoon.

2,260,655
TIME CONTROLLED ANNUNCIATOR
Francis A. Barr, Bayonne, N. J.
Application October 2, 1939, Serial No. 297,583
2 Claims. (Cl. 58—14)



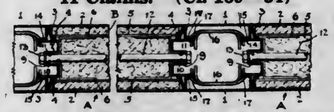
1. In a time controlled annunciator of the type including a rotatable support for a sound producing record, a carriage mounted on a horizontal bar extending across the record, a spring surrounding the bar for normally holding the carriage adjacent the edge of the record, a sensing device carried by the carriage for reading said record, a solenoid for raising and lowering said sensing device off and on the record, a motor for driving said record, a clock, a switch operated by the clock for controlling the solenoid and the motor, a sleeve passing through the carriage and continuously rotated by the clock, a spiral groove in the sleeve and a straight return groove connecting the ends of the spiral groove, a projection carried by the carriage and travelling in said grooves, whereby the carriage is moved across the record by its engagement with the spiral groove and rapidly returns to its normal position under tension of the spring when the projection enters the straight groove.

2,260,656
EXHAUST PORT LINER
David B. Bell, Long Beach, Calif., assignor to Kenyon F. Lee, as trustee, Los Angeles, Calif.
Application February 27, 1940, Serial No. 321,076
2 Claims. (Cl. 60—29)



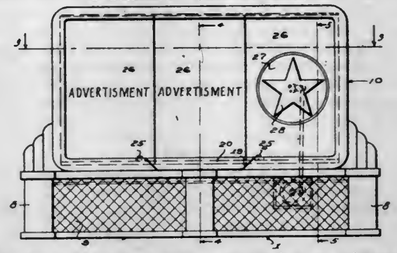
1. A liner for the exhaust port of an internal combustion engine comprising: a tubular member adapted to be mounted in the exhaust port and having a diameter such as to provide a dead air space between it and the walls of said port the inner end of said space being open so as to receive exhaust gas, and means at the outer end of said liner for affording the holding of the liner within said port and the connection of the liner with an exhaust manifold.

2,260,657
METALLIC PARTITION STRUCTURE
John A. Bohnsack, Cleveland Heights, Ohio, assignor to The E. F. Hauserman Company, Cleveland, Ohio, a corporation of Ohio
Application October 17, 1938, Serial No. 235,428
11 Claims. (Cl. 189—34)



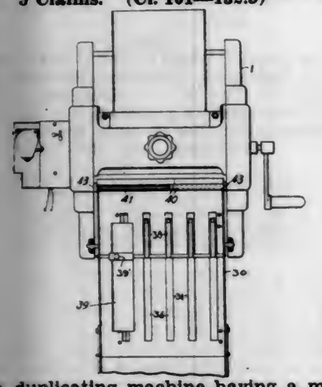
10. In a partition, panel units, each comprising spaced metal uprights and half panels, said uprights having recesses centrally thereof and means connected to said half panels and extending inwardly, part of said means being received in said recesses and clamped therein to removably secure said half panels in a predetermined spaced relationship with respect to an opposite panel, and in the same vertical plane as an adjacent panel.

2,260,658
SIGNBOARD
Leonard F. Connors, Fall River, Mass.
Application November 8, 1940, Serial No. 364,923
3 Claims. (Cl. 40—125)



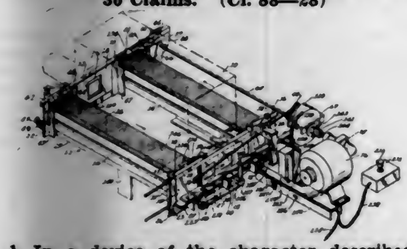
2. An advertising sign comprising an elongated base casing, a frame upstanding from said casing, and having an internal front ledge extending around the same provided with a central bottom gap therein, a pair of top and bottom members in said frame forming together with said ledge a pair of top and bottom grooves extending along said frame, a plurality of advertising display panels loosely fitting in said grooves side by side for sliding therein into different positions in said frame and for tilting forwardly in the top groove, said panels being of the requisite width for removal of the lower edges thereof out of the bottom groove by way of said gap whereby said panels may be removed from said frame and replaced and slid along said grooves to interchange the same and vary the positions thereof, and a bridge member fitting in said gap to close the same and detachably secured to said ledge, a rotatable member on one panel for creating an animated advertising display, a motor in said casing slidable along the same into different set positions to locate the same in centered subjacent position relative to said one panel in the varied positions of the latter, and operating connections between said motor and member.

2,260,659
DUPLICATING MACHINE SHEET FEEDING DEVICE
Robert J. Copeland, Toronto, Ontario, and Ernest J. Bloore, Brampton, Ontario, Canada; said Bloore assignor to said Copeland
Application February 19, 1940, Serial No. 319,618
5 Claims. (Cl. 101—132.5)



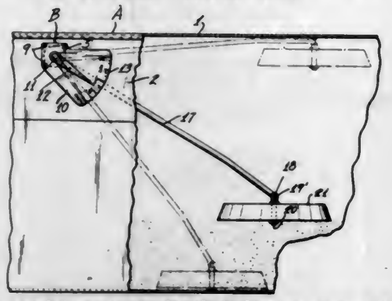
1. In a duplicating machine having a master printing roller and an impression roller movable out of contact therefrom, said master roller having an extensible stop member cam-operated in synchronism with the movement of the pressure roller, said duplicator machine having a moistening pad extending thereacross to the printing roller, a member extending across said moistening pad and forming a stop for paper sheets, arms supporting said stop member, and cam means for operating said arms to periodically raise said stop member and to return it into engagement with the moistening pad, a tray for guiding sheets over the moistening pad, and means adapted to be operatively connected with the master printing roller for feeding sheets over said tray.

2,260,660
SLIDE CHANGING APPARATUS
Joseph A. Darwin, East Orange, N. J.
Application April 26, 1940, Serial No. 331,880
30 Claims. (Cl. 88—28)



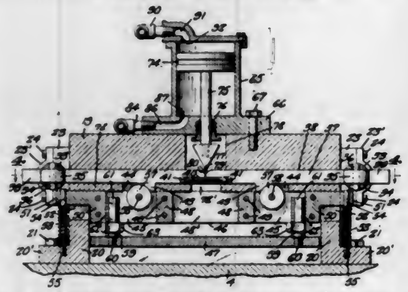
1. In a device of the character described, a magazine for holding a plurality of picture slides, a slide track mounted transversely of and connecting one end of the magazine, a slide carrier movable back and forth in advance of the magazine and adapted to engage an edge of the end slide in the magazine and transfer it to the slide track, and a pair of spaced cams mounted on the inner face of said slide carrier and adapted to transmit a rocking movement to the second slide in the magazine as the slide carrier is shifting the front slide to the slide track, whereby the front slide is permitted to move freely out of the magazine away from the second slide.

2,260,661
GRAIN INDICATOR
Albert Enderud, Caldwell, Kans.
Application September 5, 1939, Serial No. 293,378
1 Claim. (Cl. 73—317)



A seed-box grain-level indicator comprising graduations mounted exteriorly of the box, a shaft having a bearing in a wall of the box for rotatory movement, a pointer fixed on the shaft for movement over and relatively to the graduations, and actuating means operably connected to the shaft and including a swingably mounted frusto-conical member having a density less than that of the grain and resting freely on the contained grain for swinging the pointer responsive to variation in the level of the grain in the seed box.

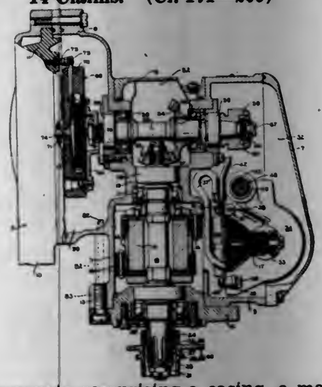
2,260,662
TENONING MACHINE
James H. Farrell, High Point, N. C.
Application November 13, 1939, Serial No. 304,254
4 Claims. (Cl. 144—278)



4. In a machine of the character described, including a base, a work carrier movable into and out of working relation to a cutting means of the machine, a cam for causing such movement of the work carrier, a vertical abutment at the forward end of the work carrier in the direction of travel of the latter towards the cutting means of the machine, a work clamping plate movably mounted in opposed cooperative relation to said vertical abutment, two horizontally movable reciprocating elements mounted in the carrier in the same plane and having spring means for normally holding the ends thereof in engagement with each other, a cam carrier by the outer end of each reciprocating element and engaging the work clamping plate, a second work clamping plate arranged at right angles to the first work clamping plate, a cam carried by each reciprocating element arranged at right angles to the first mentioned cam and engaging the second work clamping plate, and a vertically movable wedge shaped head adapted to be forced between the

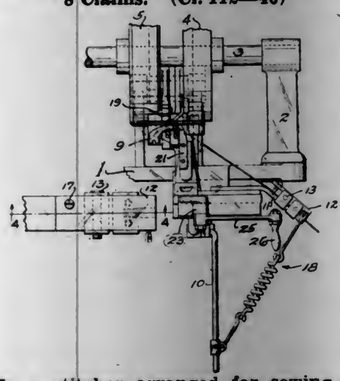
abutting ends of the reciprocating elements for forcing the same outwardly to cause the cams to simultaneously move to clamping position.

2,260,663
IGNITION APPARATUS
Jakob R. Frei, Sidney, and William C. Pross, Bainbridge, N. Y., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application April 18, 1940, Serial No. 330,232
14 Claims. (Cl. 171—209)



1. A magneto comprising a casing, a magnetic rotor mounted therein, said casing having a grease-tight compartment in which one end of said rotor terminates, a shaft extending through said compartment at right angles to the axis of rotation of said rotor, means in said compartment for drivably connecting said rotor and shaft, and a distributor element and a circuit breaker cam mounted on said shaft at opposite ends thereof outside of said compartment.

2,260,664
APPARATUS FOR STITCHING WELT SHOES
Joseph J. Goellner, St. Louis, Mo., assignor to Landis Machine Company, St. Louis, Mo., a corporation of Missouri
Application February 1, 1940, Serial No. 316,754
8 Claims. (Cl. 112—46)

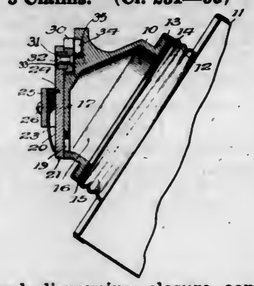


1. In a stitcher arranged for sewing a shoe upper, welt strip and sole and having a presser foot and mechanism for releasing the presser foot at the end of a stitching operation, a welt clamp, and a connection between said mechanism and said clamp for operating the latter.

2,260,665
GUANIDINE THIOSULPHATE REACTION PRODUCT
Garnet Philip Ham, Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application May 20, 1941, Serial No. 394,371
6 Claims. (Cl. 95—88)

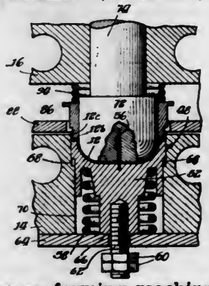
1. A silver halide photographic fixing agent of the thiosulphate type containing guanidine thiosulphate oxidation product in amounts effective to increase the fixing speed.

2,260,666
DISPENSING CLOSURE
Earl E. Hoffman, Arlington, Va., assignor to National Paint, Varnish & Lacquer Association, Inc., Washington, D. C., a corporation of Delaware
Application December 1, 1939, Serial No. 307,157
5 Claims. (Cl. 251—53)



1. A valved dispensing closure comprising a valve body member having a smooth surfaced valve seat face and an orifice extending therethrough near one edge of the closure and a transverse-slotted portion near the opposite edge of the closure, an elongated gate member in sliding relation to the valve seat face, resilient means for pressing the gate member against the valve seat face, a lever, a pivot connecting the lever with the gate member, and a fulcrum on the lever closely fitting in and in sliding relation to said transverse-slotted portion of the body member, whereby said gate member is reciprocated by movement of the lever in the plane of reciprocation of the gate member.

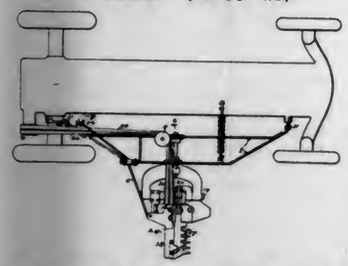
2,260,667
DIAPHRAGM FORMING DEVICE
Addison C. Hoof, Hinsdale, Ill.
Original application January 19, 1938, Serial No. 185,748. Divided and this application April 25, 1940, Serial No. 331,623
7 Claims. (Cl. 18—19)



7. A diaphragm forming machine including a die member having an outer working surface

adapted to receive a blank and a longitudinally extending guideway formed in said member and extending normally to said surface, a movable female die, yieldable means for urging said female die in a direction longitudinally of the guideway toward said surface, said female die including a central recess and a rim portion, means limiting the movement of said female die in said direction when the rim portion resides in the vicinity of said workng surface, a male die assembly movable to and from said female die assembly and including a male die disposed in alignment with the recess, collar means embracing the male die and disposed in alignment with said rim, the outer face of said collar having a portion spaced inwardly from the walls of said guideway when said male die assembly is in operative position whereby to provide a molding space between the collar and the walls of the guideway when the collar is received therein, and yieldable means urging the collar toward the rim of said female die, said last named yieldable means acting in a direction opposite to that of said first mentioned yieldable means and being of substantially less strength than the first mentioned yieldable means associated with said female die.

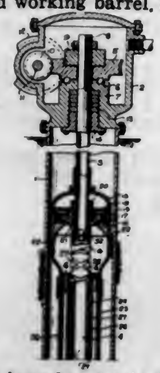
2,260,668
MOWING ATTACHMENT FOR TRACTORS
Joseph E. Horste, Detroit, Mich.
Application November 1, 1940, Serial No. 363,798
4 Claims. (Cl. 56—25)



1. In a mowing attachment for a tractor, the combination of a mowing bar and sickle; a frame adapted to pivotally support said mowing bar and sickle at two points spaced apart upon the tractor, a cable attached at one end to the mowing bar and sickle; means adapted to support and to multiply the traveling speed of said cable, whereby the mowing bar may be rapidly raised and lowered, comprising a plurality of pulleys over which said cable travels, and a rocking arm carried by the tractor and connected to the other end of the cable, whereby upon operating the rocking-arm the mowing bar and sickle may be raised or lowered.

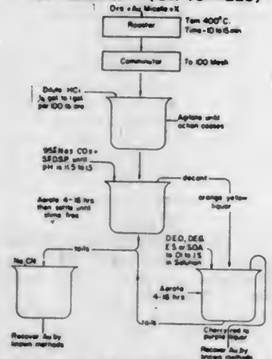
2,260,669
WELL PUMP
Dee E. Humphrey, Dallas, Tex.
Application August 8, 1940, Serial No. 351,839
5 Claims. (Cl. 103—158)

1. A well pump including in combination with a tubing string in a well, surface means for rotating said tubing string, a tubular body suspended below said tubing string for common rotation therewith and having a continuous, double helix groove in its exterior surface, a working barrel surrounding said tubular body and held against rotation, having a member disposed in said groove to travel therein when said tubing string is rotated, whereby to effect vertical reciprocation of said working barrel, and valve means



in said working barrel and said tubing string for controlling fluid for upward passage through said tubing string.

2,260,670
METALLURGICAL PROCESS
Chad H. Humphries, Winnetka, Ill.
Application January 19, 1940, Serial No. 314,669
22 Claims. (Cl. 75—118)

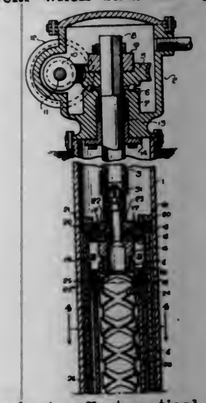


1. In the art of recovering gold micelle from sedimentary or argillaceous rock containing inhibiting organic compounds, that process which includes first removing said compounds without materially decomposing the ore, then treating the ore with a dispersing agent and partially dispersing the gold micelle into a hydrosol, then decanting the top liquor, and recovering the undispersed micelle from the residue by known methods.

2,260,671
WELL PUMP
Dee E. Humphrey, Dallas, Tex.
Application October 4, 1940, Serial No. 359,695
5 Claims. (Cl. 103—158)

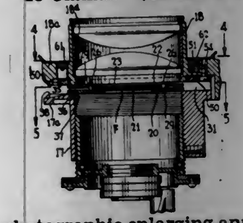
1. A well pump including in combination with a tubing string in a well, means for rotating said tubing string, a tubular body suspended below said tubing string for common rotation therewith and having continuous twin double helix grooves in its exterior surface, a piston carried by said tubular body, a working barrel held against rotation in which said tubular

body operates, a pair of diametrically opposed members connected to said working barrel and disposed in respective grooves of said body to travel therein when said tubing string is ro-



tated, whereby to effect vertical reciprocation of said working barrel and valve means in said working barrel and said tubing string for controlling fluid for upward passage through said tubing string.

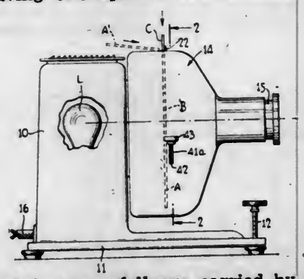
2,260,672
PHOTOGRAPHIC ENLARGING APPARATUS
Sten Johanson, New York, N. Y., assignor to Universal Camera Corporation, New York, N. Y., a corporation of Delaware
Application April 1, 1940, Serial No. 327,131
15 Claims. (Cl. 88—24)



1. In a photographic enlarging apparatus of the character described, a negative carrier comprising an upper plate, a lower plate, said plates having aligned film apertures and means for normally maintaining said plates spaced apart to permit the passage therebetween of a film negative, said last named means comprising a pair of springs carried by one of said plates, each of said springs having widely spaced portions thereof contacting the other of said plates to uniformly urge the said plates apart.

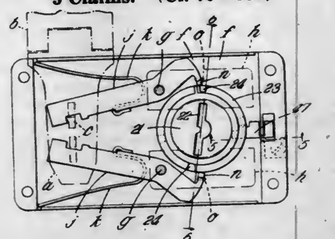
2,260,673
SLIDE PROJECTION APPARATUS
George Kende, New York, N. Y., assignor to Universal Camera Corporation, New York, N. Y., a corporation of Delaware
Application July 30, 1940, Serial No. 348,338
3 Claims. (Cl. 88—28)

1. In a slide projector of the character described, a pair of spaced parallel plates comprising a vertical passageway adapted to freely receive a plurality of slides in end-to-end relation, a slot in one of said plates transverse to the longitudinal axis of said passageway, a finger projecting through said slot, means to move said finger along said slot to sweep across the path of the slides in said passageway, said finger being pivotally mounted on said means, a cam having two spaced cam surfaces parallel



to said slot, a cam follower carried by said finger and adapted to ride on either of said surfaces, and means to cause said follower to shift position so as to be ready to ride on the other cam surface after passing the end of either of said cam surfaces.

2,260,674
LOCK
Ernest Norbert Kennedy, Piccadilly, London, England
Application November 17, 1938, Serial No. 241,075
In Great Britain November 19, 1937
5 Claims. (Cl. 70—355)

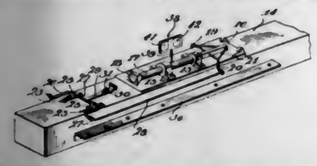


1. In a key operated lock, at least one locking member formed of at least two concentric parts normally rotatable as one in either direction by friction but capable of relative rotation when said friction is overcome, means for holding one of said parts to permit relative rotation of said concentric parts by said key, said locking member having a circular portion concentric with its axis of rotation and of such diameter that the longest ward of said key will not intersect it, a base having a corresponding circular raised portion adapted to engage with said circular portion on said locking member as a bearing for the rotation of said locking member, and the relative angular position of said parts determining the angle through which said key must be rotated after its insertion into the lock and before it makes direct contact with said locking member and brings the lock into the unlocked position.

2,260,675
SWITCH PROTECTOR
James F. King, Little Rock, Ark.
Application January 27, 1940, Serial No. 316,042
2 Claims. (Cl. 246—448)

1. In a railway switch, the combination of a transverse tie for support of the switch and means to operate the switch to open or closed

positions, a plate on the tie having bearings spaced longitudinally thereof, a rod reciprocably mounted in the bearings, said rod having lateral extensions adjacent one end and a broadened head at the other, brace rods extending from the extensions to the end of the rod, said extensions having respective crank portions disposed upon



the sides of the tie, a pair of bearings on the tie outwardly of the switch, a shaft rockably mounted in said bearing and having a pair of cranks, one disposed upon respective sides of the tie, a lever connecting the cranks on respective sides of the tie, said shaft having an operating handle whereby to rock said shaft, and a lock for the operating handle.

2,260,676
BOAT TRAILER
Hilton J. Lafaye, Sr., Akron, Ohio, assignor to Charles R. Jahn, Chicago, Ill.
Application June 7, 1940, Serial No. 339,276
5 Claims. (Cl. 214—75)

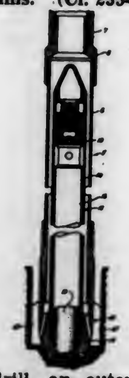


1. In a trailer for transporting a boat or the like, a wheeled chassis having a non-resilient bridging member rigidly affixed thereto and arranged to straddle and overhang a portion of the boat, and means for suspending the boat from the chassis and resiliently attaching the boat to said bridging member, said means comprising a cushioning member interposed between the boat and said bridging member, and a pair of spaced-apart pendulant slings adapted each to partially encircle a portion of the bottom portion of the boat and having at least one of their upper portions adjustably secured to the chassis and whereby the boat is adapted to be drawn upwardly and yieldingly affixed to said non-resilient and rigidly affixed bridging member.

2,260,677
PROCESS FOR DETERMINING THE ALKALOID CONTENT OF UNCURED TOBACCO
Louis N. Markwood, Washington, D. C., assignor to Claude R. Wickard as Secretary of Agriculture of the United States of America, and to his successors in office
No Drawing. Application October 22, 1940, Serial No. 362,242
7 Claims. (Cl. 260—291)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

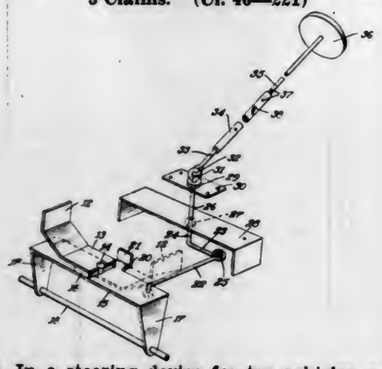
1. The process for obtaining a test solution from tobacco for the purpose of determining the alkaloid content thereof, comprising digesting the tobacco with sulfuric acid, recovering the resulting extracts, reacting lead oxide with said extract in an amount sufficient to precipitate the proteins from the extract and to neutralize the mother liquor, and separating and recovering the mother liquor from the precipitate.

2,260,678
CORE BARREL
Alfred Muhlbach, Los Angeles, Calif.
Application December 24, 1938, Serial No. 247,625
4 Claims. (Cl. 255—72)



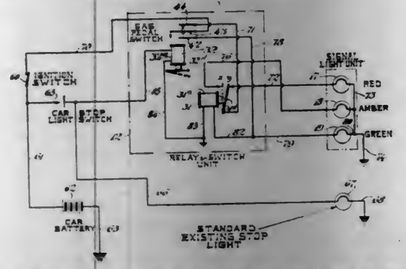
1. In a core drill, an outer rotary tubular member having a bit secured at its lower end, a core barrel including a rotary outer shell secured to the bit and an inner shell rotatably supported at its lower end on the bit and guided at its upper end by bearing means, a guide member slidable axially within the outer shell and supporting the bearing means, a closure for the upper end of the outer shell, and resilient means interposed between the guide member and the closure for urging the bearing and inner shell downwardly.

2,260,679
STEERING UNIT FOR TOY TRUCKS AND CARS
Albert R. Neilson, Spokane, Wash.
Application December 9, 1940, Serial No. 369,313
3 Claims. (Cl. 46—221)



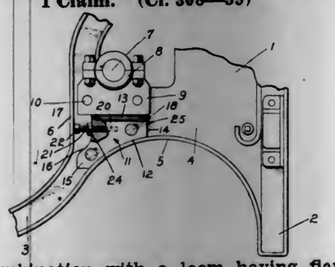
1. In a steering device for toy vehicles, a link pivotally connected to the steering unit of the vehicle, an angular member having an upstanding section journalled on the vehicle, a section extending horizontally from the vertical section of the said angular member, means pivotally connecting the outer end of the said horizontal section with the said link, an eye formed on one end of the said upstanding section, a shaft held at an obtuse angle and having an eye on one end engaging the eye of the said upstanding section operative to turn the said angular member and the steering unit of the vehicle.

2,260,680
TRAFFIC SIGNALING DEVICE FOR VEHICLES
Marvin G. Nelsen, Chicago, Ill., assignor of one-half to Frank F. Rowell, Sr., Chicago, Ill.
Application February 5, 1940, Serial No. 317,376
9 Claims. (Cl. 177—339)



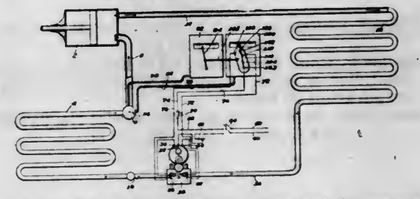
1. Vehicle signaling apparatus of the character described, comprising indicating means mounted on the rear end of a vehicle and including three separate electrically-operated visual indicating devices to designate respectively an accelerating condition of the vehicle, a decelerating condition of the vehicle, and positive retardation or stopped condition of the vehicle by application of braking pressure, electrical circuits for each of the indicating devices subject to control by a control switch, a source of electrical energy, switch means for selectively completing the electrical circuits for the respective indicating devices and means for operating said switch means in correspondence with and in response to the accelerating, decelerating, positive brake retardation or stopped conditions of the vehicle, for operating the particular indicating device for truly designating the one of the aforementioned existing conditions of the vehicle, said switch means and operating means being constructed for completing the electrical circuit for the indicating device corresponding to positive retardation of the vehicle, during positive retardation of the vehicle, and for maintaining said circuit during the period the vehicle is in stopped condition.

2,260,681
CAM SHAFT BOX SUPPORT
Lawrence J. Price, Concord, N. C.
Application May 15, 1939, Serial No. 273,817
1 Claim. (Cl. 308—59)



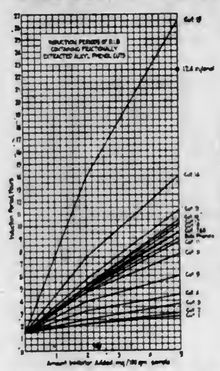
In combination with a loom having flanges, one of said flanges being arcuate, and a cam shaft box carried by the loom above the flange, a cam shaft box support comprising a body having an arcuate lower wall for engagement with the arcuate flange, and a top wall engageable with the cam shaft box, said body having inclined elongated slots therein, bolts extending through the slots and into the loom for adjustably mounting the body on the loom, and an adjusting bolt carried by the body and extending between one end thereof and the other of the loom flanges, said adjusting bolt being rotatable for shifting the body, upon loosening of the first mentioned bolts, on the arcuate flange, for raising the cam shaft box to take up wear.

2,260,682
AUTOMATIC EXPANSION VALVE
Hector Harris Robson, Scarsdale, N. Y., assignor to United Fruit Company, Boston, Mass., a corporation of New Jersey
Application November 24, 1939, Serial No. 305,812
10 Claims. (Cl. 62—8)



1. A refrigerating system adapted to operate at a substantially constant superheat throughout a range of temperatures in the system, comprising a compressor, condenser and evaporator connected in circuit, an expansion valve admitting refrigerant to the evaporator, and means for operating the valve to maintain said superheat, said means comprising an element moved by changes in pressure in the system, a second element moved by changes in temperature in the system and independently of the movement of the first element, and means responsive to a predetermined relative positioning of said elements to move the valve toward its open position and responsive to a second predetermined relative positioning of said elements to move the valve toward its closed position.

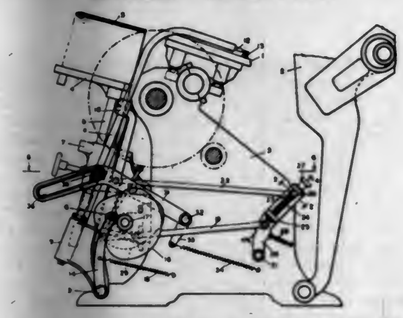
2,260,683
PROCESS OF INHIBITING THE OXIDATION OF HYDROCARBONS
Wilbur E. Robbins, Norco, La., and Richard R. Zundel, Wood River, Ill., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application September 7, 1939, Serial No. 293,708
5 Claims. (Cl. 44—9)



1. In the process of inhibiting the oxidation of a hydrocarbon susceptible to oxidation and capa-

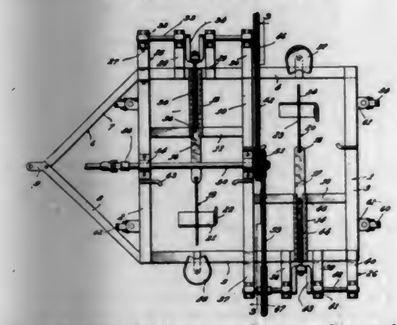
ble of being inhibited with alkyl phenols the steps of extracting a mineral oil containing alkyl phenols and thiophenols naturally occurring therein, with strong aqueous caustic alkali thereby producing an alkyl phenol mixture containing thiophenols, reextracting said mixture with a weaker aqueous caustic alkali solution to form two layers, an extract layer containing the aqueous caustic alkali solution of thiophenols and strongly acidic alkyl phenols, and a raffinate layer substantially free from thiophenols and comprising the more weakly acidic alkyl phenols, and adding a small amount of said raffinate to the hydrocarbon.

2,260,684
SHEET FEEDING MECHANISM FOR PRINTING PRESSES
Charles F. Root, Cleveland, Ohio, assignor to The Chandler & Price Company, Cleveland, Ohio, a corporation of Ohio
Application September 23, 1940, Serial No. 357,882
14 Claims. (Cl. 101—287)



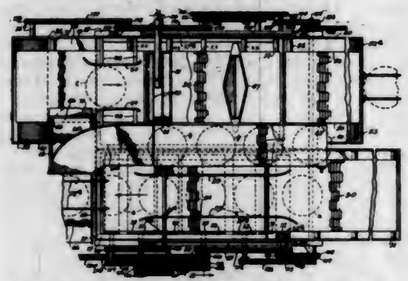
1. In platen presses and the like, sheet feeding means comprising sheet picker means, picker carrier means, means for reciprocating said carrier means, means for oscillating said carrier means, means for varying the degree of oscillation of said carrier means, and means responsive to the degree of oscillation operative to determine the degree of reciprocation.

2,260,685
BEET BLOCKING MACHINE
Hubert A. Schmitz, Ottawa, and Leo H. Wortkoetter, Glandorf, Ohio
Application May 22, 1939, Serial No. 275,048
3 Claims. (Cl. 97—18)



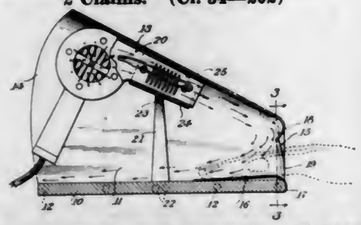
1. In a beet blocking machine, a frame having front, rear and side rails, a center rail connecting the side rails, supporting rails, tracks carried between the supporting rails and the side rails, operating bars slidable in the tracks for reciprocatory movement therein, crank frames, crank shafts carried by the frames, connecting rods operatively connecting the crank shafts with the operating bars, hoes swivelly connected with the operating bars, a standard, a drive shaft carried by the standard, means for imparting rotative movement from the drive shaft to the crank shafts, and a universal carried by the drive shaft, the drive shaft being operable for rotating the crank shafts and shifting the operating bars whereby the hoes will be reciprocated in a plane at right angles to the longitudinal dimension of the first-mentioned frame.

2,260,686
COATING MACHINE
Oscar E. Segrin, Chicago, Ill., assignor to Savage Bros. Company, Chicago, Ill., a corporation of Illinois
Application February 8, 1940, Serial No. 317,915
12 Claims. (Cl. 107—1)



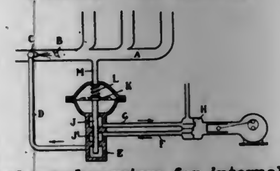
1. In a coating machine, the combination of a reservoir for containing coating material, a rotating drum-like applicator therein for applying coating material to the under sides of edible articles, a conveyor for conveying said articles over the applicator in close proximity thereto, whereby the applicator transfers coating material from the reservoir to the under sides of the articles, and driving means for rotating the applicator at a greater speed than that of the conveyor.

2,260,687
NAIL POLISH DRIER
Martha A. Lasha, Ada, Minn.
Application November 4, 1940, Serial No. 364,317
2 Claims. (Cl. 34—202)



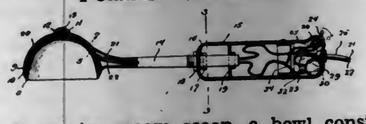
1. A nail polish drier comprising, a base, an arched jacket secured to the base having a downwardly and forwardly sloping top wall and being open at both ends, a baffle extending downwardly and rearwardly from the top wall at the front end thereof, a tray upon which the finger tips may be placed removably mounted upon the front portion of the base underneath the baffle, and an air heating and blowing means disposed within the jacket for directing a heated air draft downwardly upon the baffle which latter directs the draft downwardly and rearwardly over the finger nails of the user.

2,260,688
REGULATION OF THE SUPPLY OF FUEL TO INTERNAL COMBUSTION ENGINES
Prosper L'Orange, Stuttgart-Feuerbach, Germany; Rudolf L'Orange executor of the estate of said Prosper L'Orange, deceased
Application January 28, 1939, Serial No. 253,452
In Germany June 4, 1935
4 Claims. (Cl. 123—140)



1. A fuel supply system for internal combustion engines comprising an intake manifold for said engine; a throttle valve within said manifold for controlling the flow of combustible mixture to said engine; a source of fuel; a fuel injection nozzle in said manifold in advance of the throttle valve therein; a pump for supplying fuel from said source to said nozzle; a regulating device positioned between said nozzle and said pump and including a casing having an inlet connected to the discharge side of the pump, a first outlet connected to said nozzle, a second outlet connected to said source of fuel, a single reciprocable valve member within said casing having a valve part operable upon reciprocation of said valve member to control the flow of fuel from said inlet to said first outlet to regulate the flow of fuel from said pump to said nozzle and a valve part operable upon reciprocation of said valve member to control the flow of fuel from said inlet to said second outlet to regulate the flow of fuel from the pump to said source, and a pressure-responsive device connected to said valve member for actuating the same; and a connection between one side of said pressure-responsive device and the intake manifold at a point in said manifold between the throttle valve and engine, the other side of said pressure-responsive device communicating with a source of constant pressure, whereby the valve member and consequently the supply of fuel from the pump to the nozzle and to the source are simultaneously controlled in accordance with variations in the pressure within the manifold at the point of connection between said manifold and said pressure-responsive device.

2,260,689
ICE CREAM SCOOP
Carroll Miller, Andrew, Iowa
Application April 18, 1939, Serial No. 268,569
4 Claims. (Cl. 219—21)



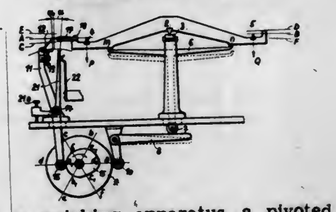
1. In an ice cream scoop, a bowl consisting of an inner wall section and an outer wall section in the form of substantially semi-spherical shells and uniformly spaced apart to provide a chamber between them adapted for reception of a medium to loosen the ice cream with respect to the bowl, the edge portion of the inner wall section forming a cutting lip for the bowl, said inner wall section being smooth and rotatably fitted adjacent said lip within the lip portion of the outer wall section, said outer wall section being provided with a thickened central portion having a threaded socket, and a threaded stem provided centrally on and rigid with the inner wall section and detachably threaded in said socket by relative rotation of said wall sections to detachably secure the wall sections together, and a handle rigid with said outer wall section.

2,260,690
FASTENER
Bion C. Place, Detroit, Mich., assignor of one-half to George E. Gagnier, Detroit, Mich.
Application January 4, 1939, Serial No. 249,289
1 Claim. (Cl. 189—88)



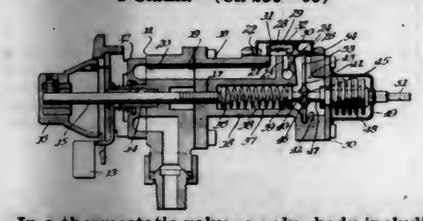
In combination, a supporting structure having an opening, a hollow molding having inturned flanges disposed on said structure over said opening, and a deformable fastener securing said molding to said structure consisting in a strip of metal having wide end portions disposed within said molding in lapped relation to its flanges, narrower intermediate portions extending between said flanges and expanded into firm contact with opposite side walls of said opening, and a further intermediate portion consisting in an expanded elongated loop pendent from said intermediate portions and having a width substantially exceeding the spacing of said side-walls, said end portions each extending angularly from opposite sides of said opening and away from said flanges to the inside of the top wall of said molding.

2,260,691
WEIGHING APPARATUS
Vladimír Dimitrijevič Popov, Prague-Bubenec, Czechoslovakia
Application October 6, 1937, Serial No. 167,659
In Czechoslovakia December 2, 1936
5 Claims. (Cl. 249—1)



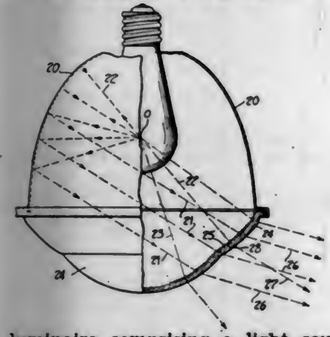
1. In a weighing apparatus, a pivoted scale beam, a feeler movable in a plane, a drive independent of the scale beam for moving said feeler, a release organ disposed in the path of the feeler, a contact member movable with the scale beam in the plane of movement of the feeler and engageable, in one position of said beam, by the moving feeler for preventing engagement of the feeler with the release organ, the moving feeler passing the contact member, in another position of the beam, and engaging and operating the release organ.

2,260,692
THERMOSTATIC VALVE
Best Pratt, Chicago, Ill., assignor to Brake Equipment & Supply Co., Chicago, Ill., a corporation of Illinois
Application September 24, 1937, Serial No. 165,583
1 Claim. (Cl. 236—99)



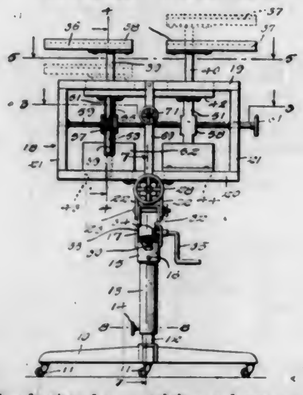
In a thermostatic valve, a valve body including supply and delivery passages opening to one face thereof, a slide valve mounted on said face to control flow between the passages, means to move said valve through a predetermined path for high and low temperature settings, said valve including a large cavity opposite said face to bridge said passages when moving through the portion of its path at which high temperature settings are controlled, and a smaller cavity communicating with the large cavity to bridge said passages when moving over the portion of its path at which low temperature settings are controlled.

2,260,693
LUMINAIRE
Thomas W. Rolph, Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y., a corporation of Delaware
Application September 28, 1938, Serial No. 232,073
13 Claims. (Cl. 240—93)



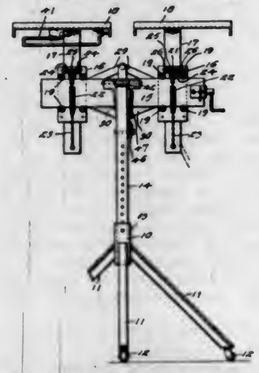
1. A luminaire comprising a light source, a reflector of substantially parabolic profile with the focus at the light source with the axis downwardly sloping and intercepting a band of light extending both below and above the horizontal plane through the light source and reflecting it at substantially uniform downwardly sloping angles parallel with the axis across the reflector axis and out through the mouth of the reflector, and a prismatic light transmitting refractor below the reflector and of a depth to intercept the reflected light after it has crossed the reflector axis and transmit it at higher angles measured from the nadir and into regions screened against direct and reflected light by the lower edge of the reflector, the prisms being of substantially uniform refracting power so that the reflected and refracted light is transmitted at substantially uniformly high angles.

2,260,694
BOOKSTAND
Thomas C. Self, Martinsville, Va.
Application October 27, 1937, Serial No. 171,300
13 Claims. (Cl. 45—86)



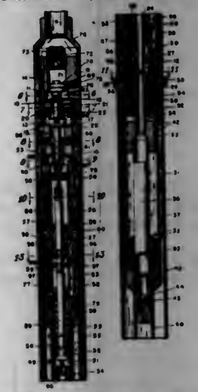
1. A book stand comprising a base, a standard rising therefrom, a frame structure carried by said standard, a pair of shelf members carried by said frame structure, a shaft rotatably associated with said frame structure, means for moving said shelf members longitudinally of said shaft, and means operated by and slidably engaging said shaft for moving said shelf members relatively in a vertical direction.

2,260,695
BOOKSTAND
Thomas Clyde Self, Martinsville, Va.
Application July 19, 1938, Serial No. 220,057
9 Claims. (Cl. 45—86)



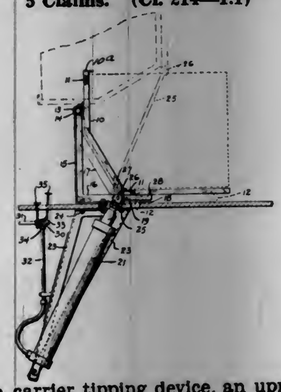
1. A book stand comprising a pair of laterally spaced tables for supporting a book, a main standard positioned intermediate said tables, a member secured to said standard and positioned beneath said tables, a pair of standards each connected to one of said tables, supporting means connecting each of said last named standards to said member, said supporting means being mounted on and longitudinally movable relative to said member, means for connecting said standards to each other for counter movement in unison, and resilient means connected to said last named standards for normally maintaining the tables in the same plane.

2,260,696
HYDRAULIC PUMP
Charles J. Wolff, San Antonio, Tex.
Application August 5, 1938, Serial No. 223,310
13 Claims. (Cl. 103—46)



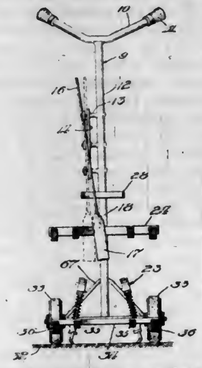
1. A fluid pressure operable pump for wells, comprising a cylindrical casing adapted to be supported on the lower end of a well tubing, a head on the upper end of said casing, said head having an axial bore, a valve stem guided in said head for reciprocal movement in the bore, a fluid pressure inlet chamber in said head and open at opposite sides to said bore, an inlet control valve on said stem in the chamber and movable with the stem to cut off the bore at either side of the chamber, a pasasge in said head for supplying a fluid pressure medium to said chamber, a piston reciprocal axially within said casing, a pressure medium passage leading from said bore at one side of the inlet valve to one side of the piston, a pressure medium passage leading from the bore at the other side of the valve to the other side of the piston, liquid elevating means carried by said piston and operable axially within said casing, and means carried by said liquid elevating means for engaging said valve stem to reverse said valve at each reciprocal limit of the piston.

2,260,697
BASKET TIPPING APPARATUS
Thomas F. Allen, Watsonville, Calif.
Application February 6, 1939, Serial No. 254,781
5 Claims. (Cl. 214—1.1)



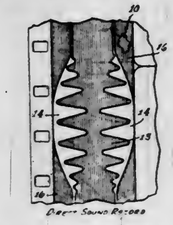
2. In a carrier tipping device, an upright support, a cradle connected to said support for swinging movement thereon, a second support depending below said first support in approximate alignment therewith and rigidly connected thereto, a cylinder pivotally mounted on said second support having a piston therein pivotally connected to said cradle for swinging it, thereby tipping a carrier.

2,260,698
HAND TRUCK
Carl A. Beebout, Chicago, Ill.
Application December 29, 1939, Serial No. 311,595
4 Claims. (Cl. 214—65.4)



1. In a truck structure, a frame construction comprising, a handle bar member secured to a central post member having an arcuately shaped lower portion secured to an arcuately shaped cradle member, the said cradle member provided with frictional load holding means smaller in length than the radius of the wheels of the said truck structure, the said frame construction adapted to assume an approximately vertical resting position.

2,260,699
METHOD OF MAKING SOUND RECORDS
Arthur C. Blaney, Los Angeles, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application January 30, 1939, Serial No. 253,613
7 Claims. (Cl. 274—46)



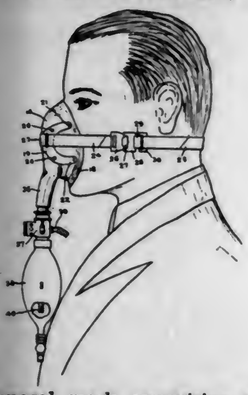
7. The method of producing a sound film track record comprising the steps of light-impressing a normal negative film in accordance with sound waves to be recorded, producing from said light impression and the normal development of said film a positive record of said sound waves, and light-impressing a second film with the light variations produced by said positive film record and directly producing a positive duplicate of said first film.

2,260,700
GLOVE HOLDER
Gertrude Bloom and Israel Bloom, New York, N. Y.
Application February 3, 1940, Serial No. 317,042
4 Claims. (Cl. 24—3)



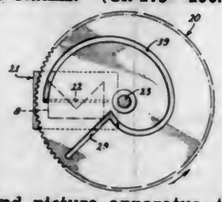
1. A device for automatically gripping and holding a pair of gloves suspended from a lady's handbag or other support and comprising a self-closing suspended slip noose of a size to embrace a pair of gloves and made up of a flexible member having means enabling attachment to and suspending the same from the supporting object and having the opposite end doubled upward over the suspended portion, a loop sliding freely over said suspended portion and with which said upwardly doubled end is connected, the glove encircling noose below said sliding loop being disconnectible at a point to enable placement of a pair of gloves within said opened noose and being readily connectible to close the noose about the thus placed gloves and thereby to render the noose automatically self-closing under the weight of the suspended encircled gloves, said disconnectible and readily connectible portion of said self-closing slip noose including an enlargement on the loop which slides over the suspended end portion of the flexible member and a loop on said flexible member freely engageable over the back of said enlargement and whereby said attachment loop may be located at the extreme end of the member and the slip noose be opened out in one straight length to its full extent and the gloves to be encircled be laid on such opened out straight length of said flexible member.

2,260,701
ORONASAL MASK
Walter M. Boothby, Arthur H. Bulbulian, and William R. Lovelace, Rochester, Minn.
Application July 28, 1939, Serial No. 287,087
2 Claims. (Cl. 128—202)



2. An oronasal mask comprising a body of semi-rigid material forming an open-sided chamber adapted to receive the nose and mouth of a wearer, the marginal parts of said chamber embodying outwardly extended side portions shaped and positioned for contacting the face and chin when worn, a tube extending at an angle outwardly and downwardly from the center of the bottom of the body above the chin-contacting portion of the body and opening into the lower part of said chamber, and a rebreathing bag and oxygen supply tube entering said bag at its top which are connected with and supported by said first-named tube and the mask body close to said body, said rebreathing bag having a volumetric capacity less than the volume of a normal exhalation.

2,260,702
ILLUMINATION DETERMINING SYSTEM
Milford E. Collins, Los Angeles, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application April 14, 1939, Serial No. 267,945
6 Claims. (Cl. 179—100.3)



1. In sound picture apparatus, the combination of a light source, means for forming the light from said source into a beam of predetermined-shape, and means having a constant width continuous spiral slot for continuously measuring the light intensity progressively along said light beam in equal overlapping increments.

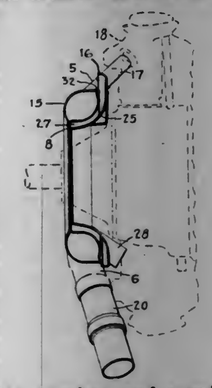
2,260,703
TELEPHONE RECEIVER HOLDER
Arthur James Daly, New York, N. Y.
Application July 27, 1940, Serial No. 347,875
5 Claims. (Cl. 179—146)



1. A holder for a telephone having a circuit switch and receiver, comprising a base for removably mounting a telephone; a flexible, substantially upright support mounted on said base; a receiver holding cradle mounted on the upper end of said support; a sleeve adjustably mounted on said support; an arm mounted for selective movement on said sleeve and adapted to engage said telephone switch, whereby pressure normal to the earpiece of the receiver by the ear of the operator causes lifting of said arm from the switch.

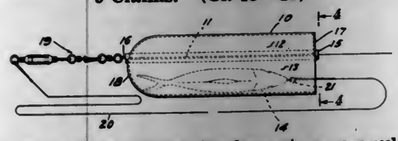
2,260,704
EXHAUST COLLECTOR
Henry E. Davies, Hasbrouck Heights, N. J., assignor to Pollak Manufacturing Company, Arlington, N. J., a corporation of New Jersey
Application December 20, 1939, Serial No. 310,123
4 Claims. (Cl. 123—122)

1. An exhaust collector system for a radial type aircraft engine, said system having in combination, a cowling mounted on the forward part of said engine, a hollow annular member formed in two halves and being spaced away from said cowling so as to form an air chamber, branch tubes welded to either of the halves of said hollow annular member and leading from said hollow annular member to the engine cylinders, an outlet pipe secured to one of the halves of said hollow annular member and leading from said



hollow annular member, and a pair of double-walled flanges forming part of said hollow annular member, one of said double-walled flanges extending inwardly into the space defined by said hollow annular member, said flange acting as a sealing ring to close the space between said hollow annular member and the front of the cowling, and in addition providing a mounting means for supporting the exhaust collector.

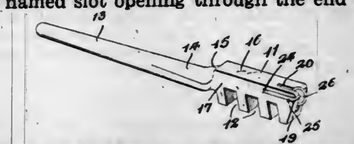
2,260,705
FISHERMAN'S LIVE BAIT CASTING CARTRIDGE
Mitsuo Eguchi, Los Angeles, Calif.
Application January 18, 1941, Serial No. 375,031
9 Claims. (Cl. 43—41)



1. In a fisherman's implement, a capsulary casting cartridge for containing a liquid for releasably supporting a live bait to swim freely from the cartridge after the same has been cast into a body of water, said cartridge having a transverse wall closing a segment of the open end thereof, there being an enclosed passageway extending longitudinally through said cartridge, a fish line including a leader extensibly mounted in said passageway, and means restricting the pulling of said leader through said passageway by the fisherman.

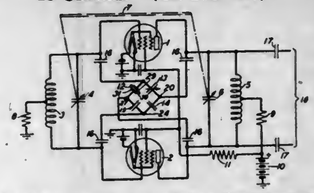
2,260,706
GLASS CUTTER
Murray C. Eldredge, Chicago, Ill.
Application January 22, 1941, Serial No. 375,503
2 Claims. (Cl. 49—52)

1. A glass cutter of the general character described, comprising a head portion having a wheel slot on its end, a longitudinal bore formed in the head parallel to the slot, a transverse slot on the end of the head and a longitudinal slot in the side of the head communicating throughout with the bore, and being of a width narrower than the diameter of the bore, the bore and the last named slot opening through the end of the



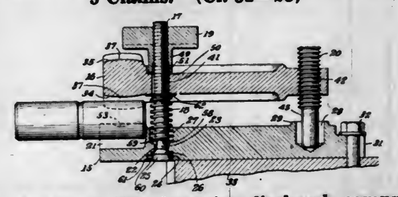
head, an axle member having an arm fitting snugly in the bore for manual sliding movement therein, and having a lateral arm setting in said transverse slot of the head, and a wheel loosely revoluble on the last named arm of the axle.

2,260,707
CRYSTAL CONTROLLED OSCILLATOR FOR ULTRA-HIGH FREQUENCIES
Irvin E. Fair, Lyndhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 20, 1939, Serial No. 280,079
15 Claims. (Cl. 178—44)



15. A bridge unit comprising four capacitance elements having individual dielectric members and a plurality of electrically conducting members, each of the conducting members serving as an electrode for two of the capacitance elements whereby a compact unit is attained, a container in which the unit is mounted, thin flexible sheets of supporting material shaped to fit snugly within the walls of the container to hold the unit in place therein and clamping means for resiliently holding the dielectric members and conducting members in assembled relation and for holding the bridge unit fixed to the flexible supporting sheets.

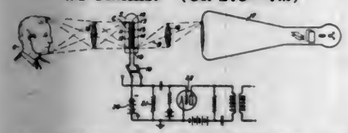
2,260,708
PISTON PIN AND KING BOLT VISE
Rainsford French, Washington, D. C.
Application June 15, 1939, Serial No. 279,372
5 Claims. (Cl. 81—23)



1. A vise of the character disclosed, comprising a base member and a movable jaw member, said members having companion opposed jaw portions, a forward bolt loosely engaged in the base member, said movable jaw member having a passage therethrough loosely receiving said bolt, said member being reversely engageable over said bolt and having different jaw portions on the opposite sides of the same, a spring interposed between the members for separating the same, a hand nut

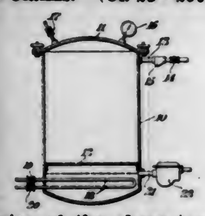
engaged on the bolt over said movable jaw member for shifting the same toward the base member in opposition to the spring, the rearward portion of said movable jaw member having a screw seat extending entirely therethrough and a leverage bolt reversibly engageable in said screw seat and adapted to be projected therethrough into engagement with the base.

2,260,709
TELEVISION SYSTEM
Frank Gray, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 4, 1936, Serial No. 67,060
24 Claims. (Cl. 178—7.2)



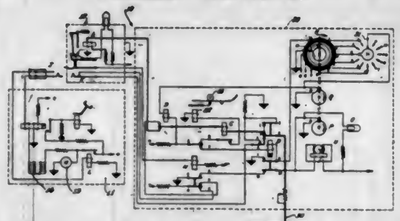
14. An image current producing apparatus comprising a plurality of cells, each cell comprising a gas-tight container enclosing a photo-emissive layer and means comprising a photo-emissive coating for storing electrons, an external circuit common to the cells, a controller for said cells comprising means for creating a difference of potential between the layer and the storage means in each of the cells, the polarities of the layer and storage means in one cell at any instant being respectively opposite to the polarities of the same members in the other cell, means for simultaneously producing moving beams of radiations for scanning the photo-emissive coatings of the respective cells and for causing one beam to scan the photo-emissive coating in one of the cells while preventing the other beam from scanning the photo-emissive coating in the other cell and means for connecting one cell to the external circuit while preventing the connection of the other thereto, and means for periodically reversing the operation of the means constituting said controller with respect to said cells.

2,260,710
AUTOCLAVE AND THE LIKE
Jean F. Gschwind, Mount Vernon, N. Y.
Application May 18, 1939, Serial No. 274,389
3 Claims. (Cl. 23—290)



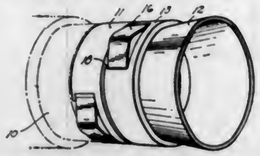
1. In a device of the character described, a closed chamber, a steam inlet in its upper portion, reticulated article supporting means spaced from the bottom of said chamber, an outlet leading from said chamber above the bottom thereof and below said supporting means, a steam trap in said outlet permitting escape of excess condensate and maintaining a body of condensate in the chamber having its level below said supporting means, and means for supplying indirect heat to liquid in the bottom of said chamber.

2,260,711
MULTISTATION COMMUNICATION SYSTEM
Frederick G. Halliden, Bellerose, N. Y., assignor to Postal Telegraph-Cable Company (New York), New York, N. Y., a corporation of New York
Application February 24, 1940, Serial No. 320,554
9 Claims. (Cl. 178—2)



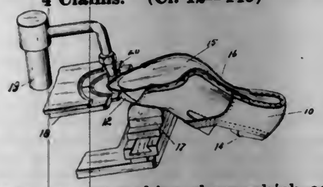
1. A communication system comprising a main control station, adjustable way-station selective means at said control station, a plurality of way-stations, printing telegraph apparatus and selective call receivers at each of said way-stations, a communication line interconnecting said main station and said way-stations, means at said main station for transmitting a start signal over said line, means at said main station and way-stations responsive to said start signal for starting operation of said way-station selective means and said selective call receivers respectively, means responsive to operation of said station selective means for transmitting over said line a selecting signal dependent upon the adjustment of said means, and means at the selected way-station controlled by said selective signal and said selective call receiver for rendering the associated printing telegraph apparatus operative for communication over said line.

2,260,712
COUPLING DEVICE
William H. Harrison, Los Angeles, Calif.
Application July 30, 1938, Serial No. 222,256
5 Claims. (Cl. 285—174)



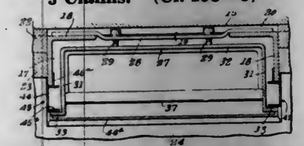
1. A coupling device of the character described which includes: a cylindrical collar provided with an aperture in its periphery; a shoulder in one end of said collar and an internal flange in the other end thereof; a polygonal spring disposed within said collar between said shoulder and said flange with its ends free and abutting each other to form one corner of the polygon, and another corner of the polygon extending outwardly through said aperture, said spring and collar being so proportioned that the opposite edges of said spring will normally engage said shoulder and flange respectively at at least five separate points about the polygon, whereby said spring in unflexed position is securely held in its polygonal shape within said collar, but when said extending corner of said spring is pressed inwardly said spring is flexed outwardly to assume a circular shape against the inner surface of said collar, said spring being sufficiently thin so that its internal diameter when flexed is not less than that of the smaller of said flange and shoulder.

2,260,713
SHOEMAKING
Walter H. Heaton, Franklin, Mass., assignor to Beckwith Manufacturing Company, Dover, N. H., a corporation of New Hampshire
Application September 20, 1940, Serial No. 357,597
4 Claims. (Cl. 12—145)



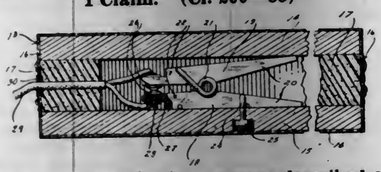
1. The process of making shoes which consists in stitching into the upper a tip blank of tough translucent resilient thermoplastic sheet material in such a manner that the blank is fully exposed on both sides in an area in advance of the tip line, side lasting the upper and thereby transversely bowing the tip blank, and then subjecting the bowed blank to a blast of hot dry air and simultaneously lasting it to form a completely closed upper with a transparent window in the bowed portion of the shoe.

2,260,714
MAIL CHUTE CONSTRUCTION
Martin Katz, New York, N. Y.
Application April 10, 1939, Serial No. 267,010
3 Claims. (Cl. 193—8)



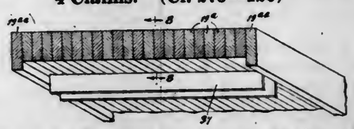
1. In combination, the wall of a building structure, a pair of spaced vertically disposed structural angles secured to said wall, each angle having one leg directed outwardly from said wall, a letter channel disposed between said structural angles and having outwardly extending flanged portions in spaced relation with each respective outwardly directed angle leg, and a moulding trim member filling the space between each said angle leg and its respective flanged portion of the letter channel, said moulding trim having a U-shaped portion to embrace its respective angle leg, and an angled portion for abutting engagement against the rear surface of said flanged portion of the letter channel.

2,260,715
CIRCUIT CLOSER
Roy Ketchem, Philadelphia, Pa.
Application September 22, 1939, Serial No. 296,138
1 Claim. (Cl. 200—85)



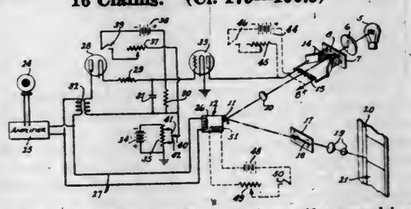
A circuit closer for the purpose described comprising a normally closed switch and yielding means to hold it in closed position, pressure operated members to operate the switch for opening thereof, including broad plates of considerable area adapted to be inserted between a mattress and a mattress support to communicate force from a substantial area of mattress to the switch device, said means for holding the device yieldingly closed being adapted to sustain normal weight of a mattress and objects thereover, but to yield to the weight of a person reclining upon a mattress over said plate, said switch device consisting of two pivoted insulated bodies set between the plates and having divergent portions when the switch is closed, contacting the opposed faces of said plates and adapted to be operated by convergent movement of the plates, said means to hold the switch in closed position consisting of a helical spring set transversely between the switch members and forming a fulcrum therefor, and having opposite arms engaged with respective members to press them together at one side, of the fulcrum, said switch members having contacts in opposed faces to engage at closed position of the members, respective electrical leads therefrom, the opposite end portions of the switch members being divergent when in closed position and coengaged against said plates whereby they will be operated upon convergent movement of the plates, and a flaxible material secured about said broad plates, normally held taut by the yielding means.

2,260,716
SHUFFLEBOARD TABLE AND PLAYING TOP AND OTHER TABLES
Paul Kotler, Irvington, N. J.
Application June 27, 1939, Serial No. 281,339
4 Claims. (Cl. 273—126)



1. In a shuffleboard table and playing top, a plurality of vertical boards in face contact with each other and secured together as a unit and having a finished top to form a playing top, and a plurality of rigid keys through said boards at spaced positions along the length of said playing top for holding said top against warping, each unit including a rod engaged through and a tight fit in an opening extending transversely through said playing top, a channel bar for each rod and extended transversely across the bottom face of said playing top, and fastening elements connecting said channel bar with said rod.

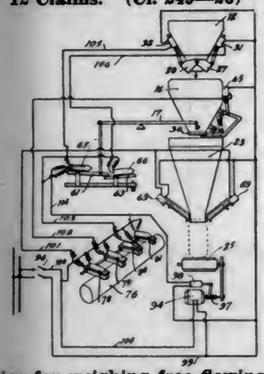
2,260,717
SOUND RECORDING SYSTEM
Barton Kreuzer, Los Angeles, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application March 24, 1939, Serial No. 263,866
16 Claims. (Cl. 179—100.3)



1. In a sound recording system, the combina-

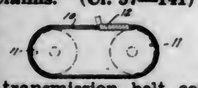
tion of means for generating electrical currents, means for producing a light beam, means for varying said light beam in accordance with the instantaneous values of said currents, means for varying said light beam in accordance with the average value of said currents, both of said light beam varying means being actuated by said respective currents substantially simultaneously, and means for manually controlling said last-mentioned means whereby the action of said last-mentioned means anticipates the action of said first-mentioned light beam varying means.

2,260,718
WEIGHING AND PACKAGING MACHINE
John D. Merrifield, Rocky Ford, Colo.
Application April 13, 1939, Serial No. 267,599
12 Claims. (Cl. 249—26)



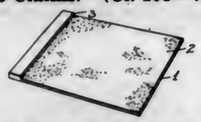
1. A device for weighing free flowing, dry materials comprising: a supply container; a discharge boot in said container; a main gate closing the major portion of said discharge boot; a dribble gate closing the remainder of said discharge boot; a scale beam; a bucket supported by said scale beam below said boot; a solenoid for controlling each of said gates; a first mercury tilting switch in circuit with the solenoid of the main gate; a second mercury tilting switch in circuit with the solenoid of the dribble gate; a first tilting support for said first switch; a second tilting support for said second switch; connecting means between said second support and said scale beam to tilt the former in consequence of movement of the latter, said second support being positioned in the path of gravitational movement of said first support so that the former's initial movement will allow said first support to tilt to close said main gate in advance of said dribble gate.

2,260,719
ROUND BELT CONSTRUCTION
John D. Merrifield, Rocky Ford, Colo.
Application July 19, 1940, Serial No. 346,358
8 Claims. (Cl. 57—141)



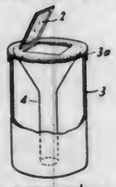
1. A power transmission belt comprising: a solid inner core consisting of a plurality of longitudinally extending parallel cord windings; a resilient cushion tube surrounding the inner core; a first cord winding extending spirally about the cushion tube; and a second cord winding extending spirally around the first cord winding and at a lateral angle to the latter.

2,260,720
LAP LOCK SHEATHING
Glenn A. Morthland, Los Angeles, Calif.
Application July 12, 1940, Serial No. 345,048
9 Claims. (Cl. 108—7)



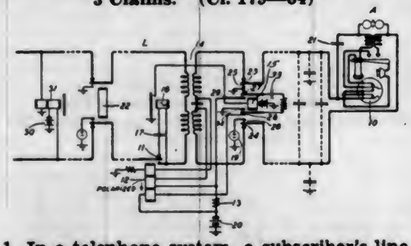
1. A sheathing adapted to be laid in a number of courses, one course overlapping the other, having a dam of softer fibrous composition than the overlying portion of said sheathing positioned adjacent one edge of said sheathing in such position as to be placed between the overlying edges of the courses.

2,260,721
TELEVISION RECEIVER
Alfred Aubyn Linsell, London, England, assignor to Radio Corporation of America, a corporation of Delaware
Application May 28, 1938, Serial No. 210,561
In Great Britain October 5, 1937
4 Claims. (Cl. 178—7.5)



1. In television apparatus wherein said apparatus is at least partially enclosed within a container, a tubular member rotatively adjustable, and a cathode ray reproducing tube having anode, cathode and screen electrodes, said cathode ray reproducing tube being mounted within said tubular member and rotated therewith, said tubular member being at least partially within said container holding said television apparatus.

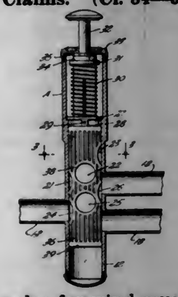
2,260,722
TELEPHONE SYSTEM
Frank K. Low, Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 26, 1940, Serial No. 347,599
3 Claims. (Cl. 179—84)



1. In a telephone system, a subscriber's line, a pulsing relay connected to said line, a ringing relay adapted when operated to disconnect the pulsing relay from, and connect ringing current to, said line, and means comprising a condenser, a source of direct current, and an auxiliary winding on said pulsing relay, controlled by said ringing relay in such a manner as to counteract a

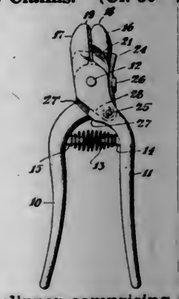
line discharge tending to operate said pulsing relay when it is reconnected to the line following release of the ringing relay.

2,260,723
PISTON VALVE FOR MUSICAL WIND INSTRUMENTS
Reginald B. Olds, Los Angeles, Calif.
Application January 18, 1941, Serial No. 375,037
9 Claims. (Cl. 84—388)



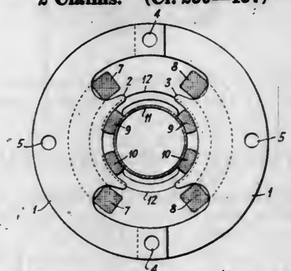
1. A piston valve for wind musical instruments comprising means providing a ported valve casing disposed in the means defining the air column of the instrument, a piston reciprocable in the casing adapted upon reciprocation to produce an increase or decrease of the effective length of the air column, there being a series of spaced points of engagement between the piston and the casing with the intervening spaces designed to receive and hold lubricant, and means on the piston providing a continuous line of engagement between the piston and casing at the top and bottom of the piston.

2,260,724
FRUIT CLIPPER
Frank M. O'Brien, St. Petersburg, Fla.
Application August 25, 1939, Serial No. 291,811
2 Claims. (Cl. 30—244)



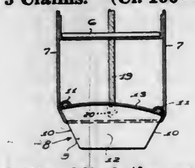
2. A fruit clipper comprising two jaws formed to present shear blades at the outer ends of two pivotally connected crossing handle parts, said blades cooperating to inviolably shear off fruits and stems, one of said blades passing the other slightly, said blades ground at an angle to one another, a stop guard on the pivot point connecting said handle parts, for limiting the outward movement of said handle parts, said guard having its lower end removably secured to one of said handle parts and the wider, upper end thereof providing a box-like structure to protect the shear blades, a flange on said guard to laterally engage one of said handle parts to produce said limiting effect, and shoulders formed on said handle parts by cutting away the material of said parts at oppositely disposed points to limit the inward movement of the handle parts against the action of a spring normally holding said handle parts and shear blades apart.

2,260,725
ELECTRON BEAM DEFLECTION APPARATUS
Claude Langdon Richards and Herre Rinia, Eindhoven, Netherlands, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application July 6, 1939, Serial No. 282,966
In the Netherlands July 12, 1938
2 Claims. (Cl. 250—157)



1. In deflection apparatus for cathode ray beams a core member formed of sets of magnetizable laminations, each of said sets being interleaved with the laminations of the other sets, the members of each set being alternately positioned between the members of the opposing set for a short distance along the length thereof, and coil means embraced by said interleaved sets of laminations for developing an electro-magnetic flux in said core.

2,260,726
LOWER RAIL FOR VENETIAN BLINDS
Harry S. Rosenbaum, Baltimore, Md.
Application November 25, 1940, Serial No. 367,113
5 Claims. (Cl. 156—17)

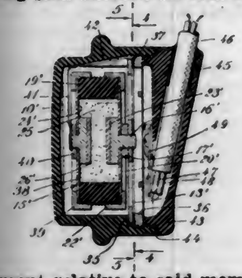


1. In a Venetian blind, the combination with a lower rail of channel formation, supporting tapes for the blind having their lower extremities formed in a continuous loop, lift cords for the blind having their lower ends knotted, slots formed in the channel for the reception of the loops, means carried by the channel for retaining the loops in the slots and means formed in the channel for attaching the knotted ends of the cords.

2,260,727
CONTACT MICROPHONE
Sterling G. Sears, Garden City, and William T. Weidenman, Sr., Spring Valley, N. Y., assignors to Telephonics Corporation, New York, N. Y., a corporation of New York
Application July 12, 1938, Serial No. 218,728
2 Claims. (Cl. 179—123)

1. In a body contacting microphone, the combination of a member adapted to be supported in operative connection with a voice-responsive body part for vibration thereby, a microphone element having opposite resilient walls, spaced

electrodes on said walls, and resilient means in said member connected to one of said electrodes and supporting said element on said member for

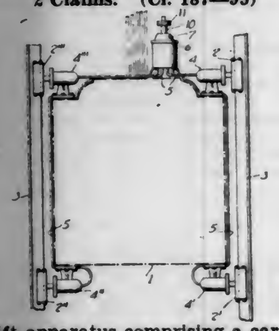


bodily movement relative to said member within at least part of the audible frequency range.

2,260,728

ELEVATOR CAR SHOE HYDRAULIC STABILIZER

Somervell Bruce Somervell, Kenmore, N. Y.
Application May 19, 1938, Serial No. 208,776
2 Claims. (Cl. 187—95)

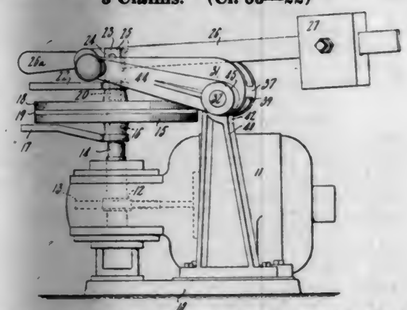


2. A lift apparatus comprising a carrier, vertically disposed tracks positioned in a shaft, a plurality of car shoes slidably contacting said tracks and mounted on said carrier, and fluid pressure means for maintaining said shoes in equalized predetermined pressure contact with said tracks during movement of the carrier.

2,260,729

PIGMENT TESTING DEVICE

Paul A. Thomasset, St. George, Staten Island, N. Y., assignor to Ansbacher Siegle Corporation, Brooklyn, N. Y., a corporation of New York
Application March 2, 1939, Serial No. 259,491
3 Claims. (Cl. 83—22)

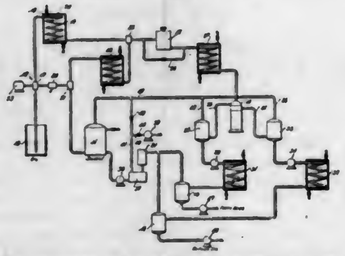


1. A device for mixing pigments and oils into uniform samples comprising a rotatable disk, a stationary disk disposed thereon in a frame, and pressure means comprising a weight adjustable on a lever so disposed in said frame as to press the stationary disk against the rotatable disk, and means comprising a shaft, cams on said shaft, and paired cranks pivoted on said cams adapted and arranged to bring said stationary disk into and out of operative position.

2,260,730

REFINING OF ANIMAL AND VEGETABLE OILS

Benjamin H. Thurman, Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev., a corporation of Nevada
Application August 31, 1938, Serial No. 227,826
9 Claims. (Cl. 260—428)

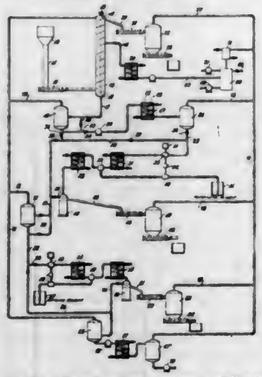


1. The process of refining vegetable oils containing free fatty acids, which comprises, mixing in a closed system a stream of said oil with a stream of a solvent which is miscible with said free fatty acids but substantially immiscible with said oil, thereby forming a concurrent stream containing a mixture of an oil phase and a solvent-fatty acid phase, continuously centrifugally separating said oil phase from said solvent-fatty acid phase, and vaporizing the solvent from said solvent-fatty acid phase for re-use in said process.

2,260,731

PROCESS OF REFINING ANIMAL AND VEGETABLE OILS

Benjamin H. Thurman, Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev., a corporation of Nevada
Application September 2, 1938, Serial No. 228,201
14 Claims. (Cl. 260—426)



1. The method of producing refined vegetable

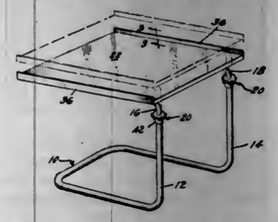
oils, which comprises, extracting the oils by means of a solvent therefor, continuously mixing a refining reagent with said oil in the presence of said solvent, continuously centrifugally separating foots produced by said refining reagent from said oil, and thereafter separating the solvent from the oil for re-use in the extraction step, said process being carried out in a closed system for preventing loss of solvent and admixture of air with the materials in said process.

10. The method of refining animal and vegetable oils, which comprises, forming a stream of a mixture of said oil and a solvent therefor, continuously mixing a stream of an aqueous alkali refining reagent with said stream of oil and solvent to produce a resulting stream of oil, solvent and soap stock, delivering said resulting stream to a centrifugal separator, continuously separating said soap stock from said oil and solvent, and thereafter removing said solvent from the refined oil.

2,260,732

UTILITY TABLE

Herbert W. Anderson and Phillip R. Anderson, Chesterton, Ind., assignors to Oscar A. Reinhold, Flossmoor, Ill.
Application March 14, 1941, Serial No. 383,374
5 Claims. (Cl. 311—36)



1. A utility table of the type described comprising a support member having a pair of resilient vertical posts extending upwardly therefrom, a pair of L-shaped tubular brackets having their vertical legs telescoped within said upright posts, a table top pivotally secured to said brackets and fastening means at the upper ends of said posts for securing said brackets in any desired position, said fastening means comprising collar members rotatable on the ends of said posts and having eccentric holes through which said vertical legs extend.

2,260,733

APPARATUS FOR EXTINGUISHING OIL FIRES

Maximilian B. Anfenger, San Francisco, Calif., assignor to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
Application August 29, 1939, Serial No. 292,449
8 Claims. (Cl. 169—4)

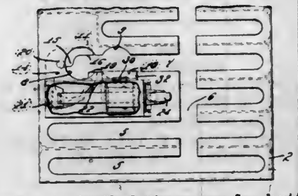


1. A fire-foam distributing device comprising a tube of fire-resistant material having a single longitudinal opening in the wall thereof for only a portion of its length, said opening increasing in width toward the outlet end of said tube.

2,260,734

BOTTLED BEVERAGE VENDING MACHINE

Robert E. Baker, Muncie, Ind., assignor to Glascock Brothers Mfg. Co., Muncie, Ind., a corporation of Indiana
Application June 26, 1939, Serial No. 281,150
3 Claims. (Cl. 312—88)

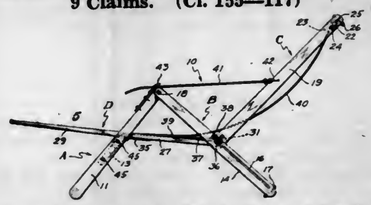


1. A coin-controlled dispenser for bottles, comprising a slotted cover member having a plurality of inter-communicating slots of such dimension as to permit the neck of a bottle to project therethrough while restricting passage of the body of a bottle, one of said slots being enlarged to provide a passageway permitting the axial passage of the body of a bottle therethrough, an oscillating closure for said passageway oscillating on an axis parallel with the axis of said passageway, said oscillating closure having an opening therein sufficiently large to permit the axial passage of a bottle body therethrough and having a slot extending from said opening to the periphery of the closure of a dimension to permit the passage of a bottle neck therethrough while restricting the axial movement of the bottle body therethrough, the slot in the closure being adapted to be moved into coincident relation with a slot in the cover when the closure is oscillated to one point and the opening in the closure being adapted to be moved into coincident relation with the passageway in the cover when the closure is oscillated to another position, and coin-controlled means for oscillating said closure.

2,260,735

FOLDING CHAIR

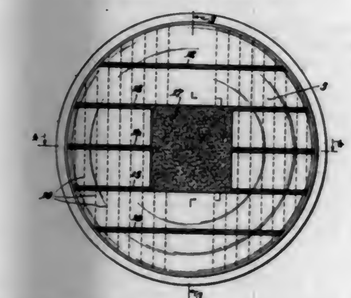
Clarence F. Benjamin, Devon, Conn.
Application February 1, 1939, Serial No. 253,975
9 Claims. (Cl. 155—117)



1. In a folding chair, front and rear leg frames each comprising a pair of leg members, said frames inclining toward one another, means pivotally connecting the upper ends of the rear leg members to the upper ends of the front leg members, a rigid brace connecting said front leg members intermediate their ends, foot rest members and a back frame, means comprising a rear cross brace pivotally connecting the lower end of the back rest frame with the rear ends of the foot rest members and supported on said rear leg members, a flexible underseat connected at its respective ends with the last mentioned means and said rigid brace, means hingedly connecting intermediate portions of the foot rest members with said rigid brace, an upper brace connecting the upper portions of the back rest frame members, a flexible seat and back means located over

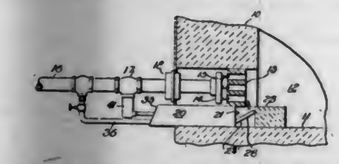
the underseat and connected at its respective ends to said rigid and upper braces, said rear brace being rotatable relative to said foot rest members to adjust the length of the underseat, means for clamping the rear brace in adjusted position, and side arm portions connecting the back frame with said pivotally connected leg frames.

2,260,736
ROAD LIGHT
Harold Z. Benton, Glencoe, Ill., assignor to Crowe Name Plate & Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application September 6, 1940, Serial No. 355,577
1 Claim. (Cl. 240—41.4)



In a driving lamp having a lens with vertically extending prisms on the inner face of the same and horizontally extending grooves separating said vertical prisms into horizontal rows of shorter prisms with upwardly faced facets at the points where said grooves intersect said long prisms to form the shorter prisms and narrow bands of translucent coloring medium extending horizontally on said lens over said grooved portions and positioned to intercept upwardly directed light rays radiated from said upwardly facing facets and a substantially square block of said coloring medium bounded and defined at the top and bottom by two of the spaced horizontal bands and at the sides on lines substantially parallel with the sides of spaced prisms in the centrally disposed area of the lens.

2,260,737
SAFETY PILOT
George C. Bergtholdt, Jr., Tulsa, Okla., assignor to Webster Engineering Company, Tulsa, Okla., a corporation of Delaware
Application March 22, 1940, Serial No. 325,327
2 Claims. (Cl. 158—117.1)



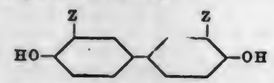
1. In a safety control apparatus for a burner positioned in an upright wall to fire into a combustion chamber formed in part by said wall, the combination of a horizontal axis casing insertable in said wall below said burner, a gas burning pilot for igniting the burner and positioned to fire upwardly from below the top wall of the casing, a tube for supplying gas to the pilot and extending from the latter to a point within the casing and at its inner end having a gas jet orifice, a mixing tube within the casing and delivering to said tube between said orifice and said pilot, a heat responsive device supported by said mixing tube and arranged to be heated by the jet of gas issuing from said orifice, means including said device for shutting off the supply of gas to said burner in case the gas issuing from said orifice is ineffective to heat said device to a predetermined temperature, and said tubes and pilot and heat responsive device being withdrawable from said casing as a unit through the outer end thereof.

2,260,738
MANUFACTURE OF CRYSTALLINE GLYCOLLIC ACID
Luther F. Berhenke and Russell B. Du Vall, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application September 8, 1938, Serial No. 228,903
9 Claims. (Cl. 260—535)

1. In a method for the manufacture of crystalline glycollic acid, the steps which consist in evaporating an aqueous glycollic acid solution to crystallize glycollic acid therefrom, separating the glycollic acid, heating the mother liquor from the crystallization with at least 1.8 times its weight of water to again form an aqueous glycollic acid solution, and evaporating the latter to crystallize additional glycollic acid.

2,260,739
SUBSTITUTED DIHYDROXY-DIPHENYLS
Edgar C. Britton and John E. Livak, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application June 23, 1939, Serial No. 280,846
2 Claims. (Cl. 260—620)

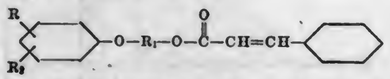
1. A substituted dihydroxy-diphenyl compound having the general formula



wherein Z represents an aralkyl group.

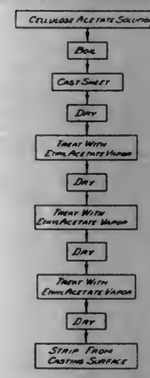
2,260,740
ARYLOXY ALKYL ESTERS OF CINNAMIC ACID
Gerald H. Coleman and Bartholdt C. Hadler, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application January 23, 1941, Serial No. 375,623
8 Claims. (Cl. 260—476)

1. An aryloxy-alkyl ester of cinnamic acid having the general formula



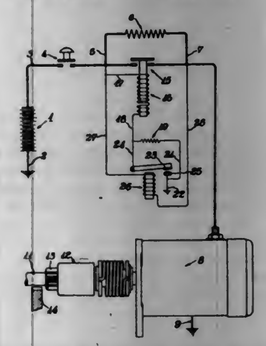
wherein R represents an alkoxy substituent; R_1 represents a lower alkylene radical containing at least 2 carbon atoms; and R_2 represents a member of the group consisting of the alkyl, alkenyl, and cycloalkyl radicals and hydrogen.

2,260,741
METHOD OF FORMING FILMS FROM CELLULOSE DERIVATIVES
George A. Dalin, Hartford, Conn., assignor to Plax Corporation, Hartford, Conn., a corporation of Delaware
Application October 10, 1938, Serial No. 234,097
11 Claims. (Cl. 18—57)



2. The method of forming films from a viscous solution of a cellulose derivative in a solvent of relatively low boiling point which comprises coating a surface with said solution to form a film thereon, and alternately drying said film and subjecting it to a solvent for the cellulose derivative of higher boiling point than the first-named solvent.

2,260,742
TWO-STAGE ENGINE STARTER CONTROL
Manuel H. Elkin, Elmira Heights, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application May 15, 1940, Serial No. 335,378
8 Claims. (Cl. 290—38)



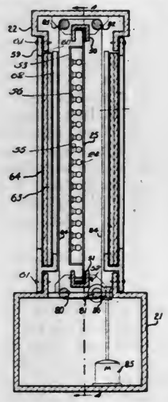
1. In a starting system for internal combustion engines, a source of electrical energy, a starting motor, a circuit connecting the same including a switch and a starting resistor, and means for short-circuiting the resistor including a magnetic switch, a control circuit for the magnetic switch including a holding resistance and a pair of bridging contacts in parallel therewith, and means responsive to a predetermined voltage drop across the starting resistor to close said contacts.

2,260,743
ILLUMINATED SIGN
Florance Samuel Ganoung, Olean, N. Y.
Application June 14, 1939, Serial No. 279,107
9 Claims. (Cl. 40—133)



7. The combination of two differently colored light sources spaced apart in a housing having two light transmitting walls, said two light sources being positioned adjacent to different local areas of each of said walls whereby light from each of said two sources falls on each of said walls, said local areas being separated by intermediate areas of said walls, respectively, a substantially flat reflector having oppositely disposed reflective surfaces rotatively mounted in the housing to alternately reflect light from said light sources at progressively varying angles to said light transmitting walls, and driving means carried by the housing for rotating said reflector, said alternate reflection at varying angles causing a progressive change in inverse ratio of the extent of the local and intermediate areas of the said wall through which the light from said light sources is intensified, each said light source comprising a bank of gaseous tubes and lying substantially in parallel planes on opposite sides of the light reflector member, the width of each bank of gaseous tubes being substantially the same width as the width of the light reflector member.

2,260,744
ELECTRICAL SIGN
Florance Samuel Ganoung, Olean, N. Y.
Original application June 24, 1938, Serial No. 215,593. Divided and this application August 10, 1939, Serial No. 289,461
3 Claims. (Cl. 40—133)



1. A gaseous tube sign construction comprising, in combination, a housing having an illuminated field opening, a peripheral frame for engaging the peripheral edge portion of the said opening, said peripheral frame having engaging shoulder means, a diffusing material positioned adjacent said peripheral frame and arranged to be engaged by the engaging shoulder means to form a closed

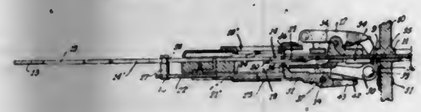
housing, a bank of gaseous tube means, means for mounting the bank of gaseous tube means in the housing to protect same from damage, said bank of gaseous tube means being positioned substantially parallel and at a distance from the diffusing material to produce an illuminated field of a substantially solid glowing background, opaque means having transparent character portions, and means for mounting the opaque means externally of the diffusing material in the engaging means to produce clean cut illuminated characters through the transparent character portions, said diffusing material and opaque means slidably fitting in the engaging means, said edge portion of said opening constituting means to hold said diffusing material and said opaque means from sliding out when said peripheral frame engages the said peripheral edge portion, movable light intercepting means having surface portions arranged to move between and substantially parallel to the bank of gaseous tube means and the diffusing material, means for actuating the movable means, means for removing the peripheral frame from the housing in a direction away from the surface portions of the movable light intercepting means without disturbing the latter, and means for removing the bank of gaseous tube means in a direction substantially parallel to the said surface portions of the light intercepting means without disturbing the latter.

2,260,745

COIN SLIDE

Bernhard C. Grunig, Chicago, Ill., assignor to A. B. T. Manufacturing Corp, Chicago, Ill, a corporation of Illinois

Application June 7, 1937, Serial No 146,801
11 Claims. (Cl. 194—97)



1. In a coin-freed control including a reciprocable coin slide member, fraud-preventive means comprising a latching member arranged for movement from a normal ineffective position to latch said slide member against return movement after the same has been advanced a predetermined amount in an opposite direction from an initial position, and dog means actuated by a coin moved by said slide member when the latter has been advanced a certain distance from said initial position for moving said latching member into latching position as aforesaid.

2,260,746

METHOD OF TREATING CARBON OR GRAPHITE

Joseph D. Hanawalt and Charles E. Nelson, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

Application September 2, 1938, Serial No. 228,094
8 Claims. (Cl. 23—209.9)

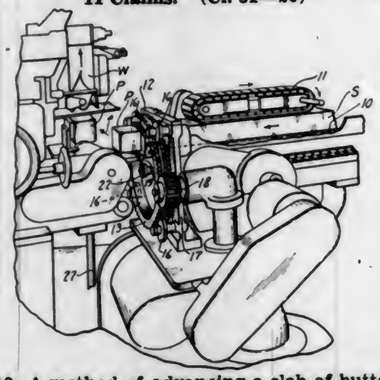
1. In a method of purifying a carbon or graphite article, the step which consists in heating the article to a temperature above about 2100° C. at a pressure below about 10 inches of mercury, while passing a relatively small volume of an inert gas over the article.

2,260,747

METHOD AND APPARATUS FOR FORMING PRINTS OF BUTTER OR THE LIKE

Kenneth G. Heft, Grettie L. Heft, and Earl J. Rapp, Toledo, Ohio, assignors to Morris Packaging Equipment Company, Toledo, Ohio, a corporation of Ohio

Application May 2, 1938, Serial No. 205,540
11 Claims. (Cl. 31—20)



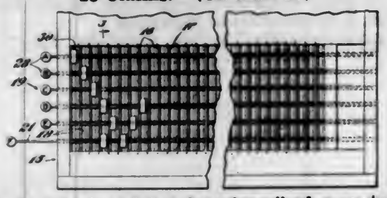
10. A method of advancing a slab of butter, or the like, comprising advancing a slab through a straight path, and cutting the slab during its advancement by a wire which travels continuously in a single, truly vertically arranged plane that obliquely intersects the path of advancement of the slab.

2,260,748

SELECTING MEANS

William M. Houghton, Marblehead, Mass.

Application June 21, 1940, Serial No. 341,663
13 Claims. (Cl. 312—90)



1. In a device of the class described, a container in which a plurality of articles are stored, a plurality of movable means carried by the container by the movement of each of which means a group of preselected articles in the container is shifted relative to the other articles so that such shifted articles can be readily removed, certain of said articles belonging in more than one group and being shifted by the movement of any one of a corresponding number of said movable means.

2,260,749

MINERAL COMPOSITION

Victor V. Kelsey, Washington, D. C., assignor to Dominion Minerals, Incorporated, Washington, D. C., a corporation of Virginia

No Drawing. Application March 1, 1939, Serial No. 259,105
12 Claims. (Cl. 106—52)

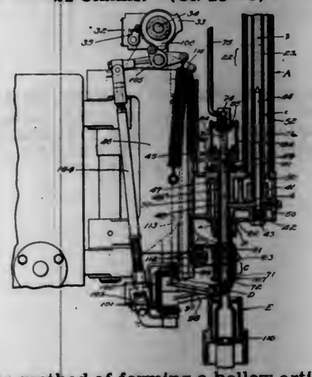
1. The process of forming a non-glass-like product from fines of zoisitic rock resulting from the crushing of zoisitic rock to form particles of a size which will be retained on a 100 mesh screen, and which are of a size such that the major portion passes a 100 mesh screen, which comprises forming such fines into a non-glass-like product by subjecting them to a temperature sufficient to sinter or coalesce them but insufficient to completely fuse them, and comminuting the resulting coalesced product to form particles, a substantial portion of which are of a size which will be retained on a 100 mesh screen.

2,260,750

METHOD OF AND MACHINE FOR MAKING HOLLOW ARTICLES FROM PLASTICS

William H. Kopitke, West Hartford, Conn., assignor, by mesne assignments, to Plax Corporation, Hartford, Conn., a corporation of Delaware

Application July 8, 1938, Serial No. 218,057
21 Claims. (Cl. 18—5)



1. The method of forming a hollow article from organic plastic material which is expansible by blowing and may thereafter be rigidified, comprising the steps of supplying such material in a fluent and moldable condition into a tubular space within an extrusion nozzle, closing the leading end of the tubular body of material in the nozzle at the discharge opening of the nozzle by severing a portion of the material extending from the discharge end of the nozzle from the material within the nozzle in smearing relation with the discharge end of the nozzle and thereby forming a film of the plastic material closing the leading end of the tubular body thereof in the nozzle, thereafter extruding plastic material from the nozzle as a closed-ended tubular body, and supplying fluid pressure to the interior of the closed-ended tubular body to expand it to the shape of the article being formed.

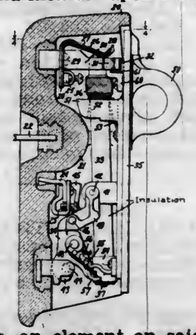
2,260,751

ELECTRIC CIRCUIT INTERRUPTER

George F. Lincks, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

Application September 8, 1939, Serial No. 293,966
12 Claims. (Cl. 200—114)

1. In a circuit interrupter including an insulating support having spaced contacts thereon; a switching assembly movably mounted on said support and comprising an insulating holder having automatically operable circuit interrupting means, an auxiliary member distinct from said holder, means movably supporting said holder and said member and providing for relative movement between said member and holder, said supporting means including a hinge element hinged on said support and pivotally joined to said member, said hinge element and said member being releasably secured in substantially rigid relationshp by means releasable in response to operation of said circuit interrupting means, said hinge element being movable relative to said holder and said member upon release of said securing means, an element on said member engageable with a cooperative element on said support releasably to latch said assembly with said holder in an operative position, and means including said hinge element operative upon release of said securing means to effect movement of said member relative to said holder and hinge element.

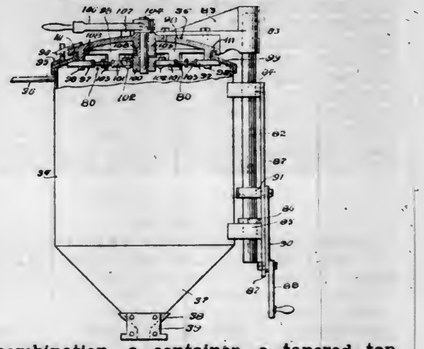


2,260,752

CONTAINER COVER LOCKING MECHANISM

Fred Marasso, Joliet, Ill., assignor to Union Machinery Company, Joliet, Ill., a corporation of Illinois

Application March 2, 1939, Serial No. 259,420
1 Claim. (Cl. 220—55)



In combination, a container, a tapered top ring therefor, a vertically movable and horizontally swingable cover adapted to seat on said top ring, apertured lugs projecting down from said cover, a series of radially disposed lock bolts guided in said lugs and having tapered ends adapted to be projected against the underside of the tapered top ring, each of said lock bolts including a bolt head, a stem and an adjustment screw having right and left threads engaging the bolt head and stem respectively, for lengthening and shortening the lock bolts, a disc upon which the inner ends of the lock bolts are pivoted, a stem secured to disc and projecting out through the cover, a handle mounted on said stem exteriorly of the cover, and a lug on said cover forming a stop against which the handle is held when the lock bolts are in locked position.

2,260,753

PROCESS FOR THE PRODUCTION OF DERIVATIVES OF EPIHALOHYDRINS

Kenneth E. Marple, Edward C. Shokal, and Theodore W. Evans, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application October 23, 1939, Serial No. 300,818
9 Claims. (Cl. 260—612)

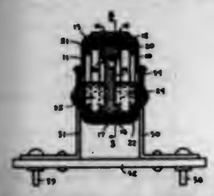
9. A process for the production of an addition product of an epihalohydrin with an organic hydroxy compound from the group consisting of the alcohols and phenols, said reaction being catalyzed by the presence of an acid-acting inorganic fluorine-containing compound.

2,260,754

METAL CLAD SWITCH

Raymond P. Mattern, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application May 31, 1940, Serial No. 337,962
11 Claims. (Cl. 200—152)



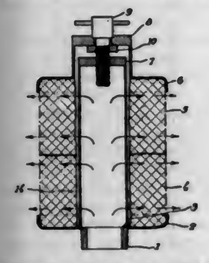
1. A switch comprising in combination, a pair of oppositely positioned dished metal cups, a partition of insulating material interposed between said cups separating them electrically, said cups seating on said partition, a quantity of electrically conductive fluid partially filling said cups, said fluid being separated into two pools by said partition, an opening in said partition whereby said two pools of fluid are connected through said opening for certain positions of said switch, a resilient gasket between said cups, and an insulating cover for said switch, said cover acting to hold said cups in a position to compress said gasket thereby aiding in sealing said switch.

2,260,755

BOBBIN FOR THE WET TREATMENT OF ARTIFICIAL SILK SPINNING CAKE

Oskar Poetzsch, Neustadt-on-the-Weinstrasse, Germany, assignor to Obermaier & Cie, Neustadt-on-the-Haardt, Germany

Application October 9, 1937, Serial No. 168,168
In Germany July 19, 1937
2 Claims. (Cl. 68—198)



1. In a device for dyeing a plurality of artificial silk spinning cakes, a central perforated tube, a disk sealing the upper end of said perforated tube, a lowermost stationary dished plate fastened on the lower end of said perforated tube, a cover, an uppermost dished plate fixed on said cover, two intermediary dished plates, one of said two intermediary plates and said lowermost plate being adapted to support and compress the lower spinning cake to prevent lateral displacement thereof and to maintain the cake radially spaced from said perforated tube, the other one of said two intermediary plates and said uppermost plate being adapted to support and compress the upper spinning cake to prevent lateral displacement thereof and to maintain the cake radially spaced from said perforated tube, means connecting said cover with said disk and adapted to press said cover against said disk, and further means to secure said two intermediate plates in any axial position to said perforated tube.

2,260,756

VIOLIN STRING ANCHORING MEANS

Walter C. Repass, Portland, Oreg., assignor of one-half to Dr. Fred D. Luse, Portland, Oreg.

Application January 28, 1939, Serial No. 253,369
2 Claims. (Cl. 84—297)



1. In a device of the class described, a connector for the G string of stringed instruments comprising in combination an anchor made of a single piece being offset at its opposite ends, with said offsets being in opposite directions, with an enlargement terminating one of the ends, with the terminal being in the form of a ball, and an eye being formed in the other one of the offset ends.

2,260,757

COMPOSITION AND PROCESS FOR TREATING EMULSIONS

Claudius H. M. Roberts, San Marino, and Richard Vernon Niswander, Long Beach, Calif., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application May 29, 1939, Serial No. 276,446
9 Claims. (Cl. 252—335)

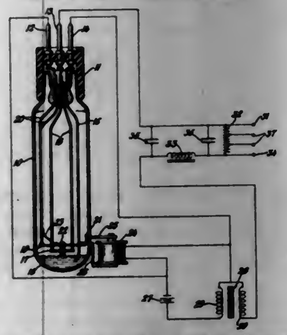
1. A composition of matter adapted to assist in the clarification by aeration of oil-in-water emulsions containing soluble alkaline earth compounds, comprising: one to five parts of an alkali-metal soap of a simple fatty acid and one to five parts of an alkali-metal soap of a saponifiable modified fatty acid, said alkali-metals including ammonium.

2,260,758

VOLTAGE CONVERTER TUBE

Samuel Ruben, New Rochelle, N. Y., assignor to Oscar A. Ross, New York, N. Y.

Original application November 21, 1935, Serial No. 50,901. Divided and this application October 20, 1939, Serial No. 300,295
3 Claims. (Cl. 171—97)



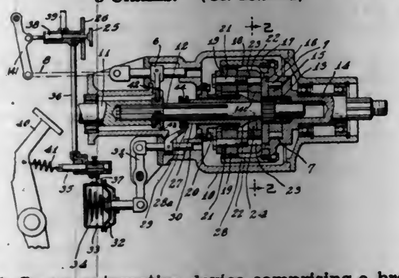
2. In a voltage converter, a transformer, a primary and a secondary circuit connected thereto, a low voltage source connected in the primary circuit, a pool of mercury, an electrode common to both primary and secondary connected to the mercury pool, an electrode mounted in spaced relation to the mercury but capable of relative movement with respect thereto, magnetic means in series with the primary circuit mounted adjacent the movable electrode to cause it to engage the mercury, said primary current being limited by the magnetic means and the transformer primary in series to a comparatively low value but sufficient to cause a magnetic field which will attract the electrode, said electrode connected in parallel with the magnetic means and therefore causing a shorting out of the same when it contacts the mercury to cause a rapid rise in the primary current and reduction in magnetism to release the movable electrode and break its circuit again which provides a pulsating primary current and a high secondary current, and a relatively fixed spaced electrode mounted above the mercury pool and connected in series with the secondary whereby mercury vapor present between the electrode and the pool will act as a rectifier for the secondary circuit and provide a direct current therein.

2,260,759

AUTOMOTIVE TRANSMISSION

Charles J. Surdy, Tuckahoe, N. Y.

Application March 25, 1938, Serial No. 197,976
8 Claims. (Cl. 192—4)



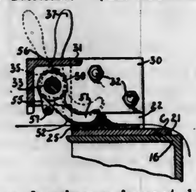
1. In an automotive device comprising a brake operating mechanism, a power input shaft, a power output shaft, a gear train between said shafts, means responsive to a coasting load on said output shaft for rendering said gear train operative whereby said input shaft operates said output shaft through said gear train, a source of fluid power, and means controlled by said brake operating mechanism for rendering said gear train operative by fluid power.

2,260,760

CLOTH CLAMP FOR LOOMS

Richard G. Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application July 22, 1940, Serial No. 346,691
8 Claims. (Cl. 139—291)



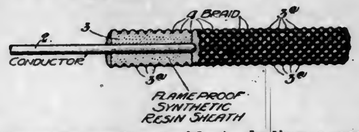
1. In a loom having a breast beam and a lay movable toward and from the breast beam to beat picks of filling into the cloth which moves forwardly over the breast beam, a support mounted on the breast beam and extending over the cloth and breast beam, and means supported by and movable relatively to said support and extending downwardly and forwardly to engage the cloth and clamp the same in fixed position with respect to the breast beam to prevent rearward motion of the cloth toward the lay.

2,260,761

ELECTRIC CORD OR CABLE

Howard M. Wilkoff, Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey

Application December 14, 1938, Serial No. 245,766
1 Claim. (Cl. 174—121)



An electric cord or cable including a conductor, a flameproof synthetic resin sheath over said conductor and a braid jacket over said sheath, the latter projecting through the interstices of said jacket to a sufficient extent to constitute protuberances protecting said braid jacket from flaming, said jacket and said protuberances being exposed to view in the normal use of said cord or cable.

2,260,762

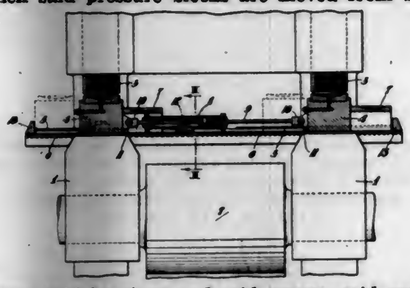
ROLLING MILL

Charles W. Yarrington and Walter A. Zahutnik, Gary, Ind.

Application August 31, 1939, Serial No. 292,947
1 Claim. (Cl. 80—57)

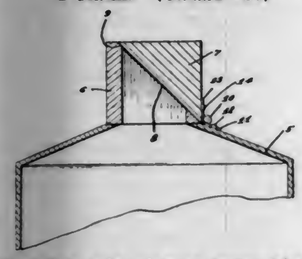
Rolling mill equipment comprising a base plate adapted to be positioned on top of the top roll neck bearings of a mill beneath the mill screws for applying pressure to said bearings, guideways positioned on top of said plate to extend from positions beneath said screws to relatively remote positions, pressure blocks riding said guide-

ways, and a motor on said plate for reciprocating said blocks along said guideways, the latter also carrying filler blocks for movement to positions where they may control lifting of said bearings when said pressure blocks are moved from be-



tween said bearings and said screws, said pressure blocks and said filler blocks being interconnected for simultaneous movement along said guideways and said base plate carrying all said elements as a unitary assembly that can be passed through the frame windows of a conventional mill.

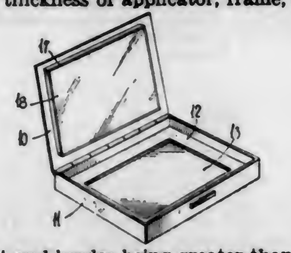
2,260,763
PASTE TUBE CLOSURE
John C. Auditore, Brooklyn, N. Y.
Application August 31, 1940, Serial No. 355,079
1 Claim. (Cl. 221—60)



A collapsible tube closure comprising in combination a neck for the tube of polygonal shape in cross section, the top of the neck and one side wall thereof being disposed at right angles and open substantially throughout the entire length of the neck, a closure in the form of a triangular-prism positioned in the open top and side walls with the top and side of the closure disposed at right angles to one another and flush with the opening at the top and sides of the neck, the bottom of the closure being inclined and responsive to internal pressure for opening the closure, and a coil spring having one end secured to the side wall of the closure adjacent its bottom edge and having the other end of the spring secured to the tube beneath the neck, said coil spring constituting a pivotal support for swinging the closure about the axis of the spring.

2,260,764
POWDER CONTAINER
Enar Anderson, North Attleboro, Mass.
Application November 19, 1940, Serial No. 366,294
8 Claims. (Cl. 132—82)

1. In a powder container having a cover; a felt border on the bottom of the container within which powder may be placed; a felt frame about the size of the border; a foraminous sheet covering the frame and attached to it at its edges, the frame being adapted to overlie the border so that the powder may sift through the foraminous sheet; and a compressible powder applicator of substantially the same size as the frame, the combined thickness of applicator, frame, foraminous sheet and border being greater than the inside depth of the container so that when the cover is closed it causes the border and frame to form a tight seal for the powder and the applicator to prevent powder passing through the foraminous sheet.



2,260,765
JOURNAL BOX PACKING RETAINER
Earl Bendle, Richmond, Va.
Application November 29, 1940, Serial No. 367,835
1 Claim. (Cl. 308—89)

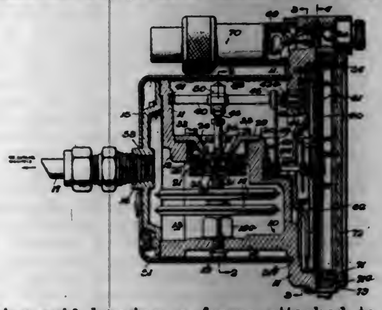


A journal box packing retainer comprising a body portion constructed of sheet metal material curved to conform to the shape of the bottom of a journal box, said body portion having a central unobstructed rectangular opening extending from points adjacent to the ends of the body portion, the side edges of the opening terminating adjacent to the side edges of the body portion, and inwardly extended parallel flanges formed along the side edges of the body portion and disposed in horizontal spaced relation with the bottom of the journal box in which the device is positioned, providing stops against which the journal packing material is held, preventing movement of the packing material within the journal box.

2,260,766
VAPORPROOF MANIFOLD PRESSURE GAUGE
Leo Victor Bjong, Wood-Ridge, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application September 6, 1939, Serial No. 293,627
7 Claims. (Cl. 73—110)

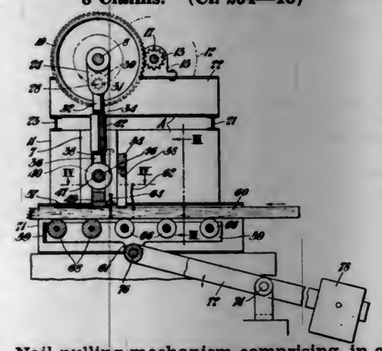
2. A manifold pressure gauge comprising a housing defining a chamber subjected to variable pressures and having an opening in a portion thereof, an expansible diaphragm mounted in said chamber, a flexible bellows in said pressure chamber comprising a seal between the pressure chamber and the exterior of said housing, a conical member provided with a flanged portion for securing one end of said bellows to said housing about the opening thereof, indicating means exterior of said pressure chamber, a rocking member within said conical member operatively connected with said bellows and said indicating means, said conical member having

means defining a pivot for said rocking member, means connecting one edge of said bellows for movement with said diaphragm whereby said rocking member is operated to actuate said indicating means in accordance with the pressure variation in said pressure chamber, a casing en-



closing said housing, a frame attached to the front of said housing and carrying a cover glass through which said indicating means are visible, and means on said frame for mounting the gauge on an instrument panel.

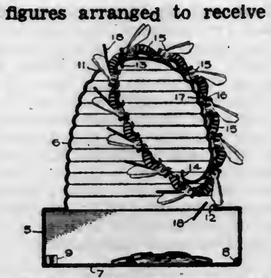
2,260,767
NAIL PULLING MACHINE
Bruce H. Black, Gary, and Clarence A. Motz, Hammond, Ind.
Application April 7, 1941, Serial No. 387,352
8 Claims. (Cl. 254—18)



1. Nail pulling mechanism comprising, in combination, reciprocably operable pulling means adapted to grip a nail extending from a workpiece, instrumentalities for effecting a slow movement of the said pulling means, means for holding the workpiece against vertical movement during the pulling of the nails therefrom, the said holding means providing unobstructed passage of the nails to the said pulling means, and means for yieldably positioning the said holding means relative to the workpiece for securing the workpiece against movement during the pulling of the nails.

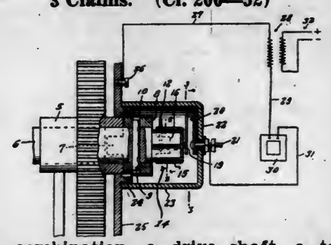
2,260,768
TOY BANK
Sophie Bee, Edgewater, N. J.
Application September 17, 1941, Serial No. 411,225
3 Claims. (Cl. 46—4)

1. A savings bank in the form of a beehive in which the hive has a plurality of openings, one adjacent the top and another adjacent the bottom; and an endless coin conveyor made up of bee-like figures arranged to receive and carry



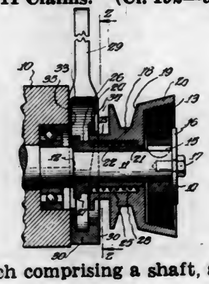
coins into the bank through one of said openings.

2,260,769
STOKER SHEAR PIN ALARM
Llewellyn Bonham, Oxford, Ohio
Application July 13, 1940, Serial No. 345,386
3 Claims. (Cl. 200—52)



1. In combination, a drive shaft, a tubular driven shaft in which the drive shaft can turn, a shear pin collar on said drive shaft, a shear pin traversing said drive shaft and said shear pin collar, said collar having means to connectively engage said tubular driven shaft, a spring clamp ring snugged on said shear pin collar, a circumferentially extending spring contact on said clamp ring projecting alongside said clamp ring, a capsule comprising a dielectric body mounted on a portion of said drive shaft and insulated from said portion, and a discontinuous conductive annulus on said body and on which the free end of said spring contact bears, whereby upon shearing of the shear pin and consequent relative rotation of the drive and driven shafts said spring contact will alternately engage said annulus and portions of said dielectric body exposed by discontinuous portions of said conductive annulus.

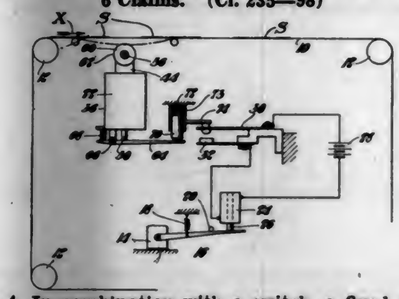
2,260,770
CLUTCH
Robert L. Brownlee, Chicago, Ill.
Application November 27, 1939, Serial No. 306,362
11 Claims. (Cl. 192—93)



6. A clutch comprising a shaft, a clutch mem-

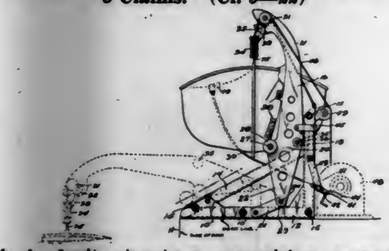
ber carried by said shaft, an abutment on said shaft in spaced relationship to said clutch member, a bushing slidable on said shaft into and out of engagement with said abutment, a second clutch member slidable on said bushing into and out of operative engagement with said first clutch member, means for simultaneously moving both said bushing and said second clutch member into engagement with said abutment and first clutch member respectively, and a control free of said bushing and said second clutch member for drawing both said bushing and said second clutch member out of engagement with said abutment and first clutch member respectively.

2,260,771
MAGNETIC SWITCH
Dario Buccicone and Charles M. Shank, Gary, Ind.
Application September 7, 1939, Serial No. 293,854
6 Claims. (Cl. 235—98)



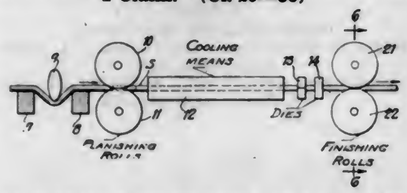
4. In combination with a switch, a fixed core, having an axial chamber therein, a plunger in the chamber, a spring urging the plunger in one direction, a coil for magnetizing said core, said core having a transversely apertured portion, a shaft secured to the plunger and extending freely through said apertured portion, a sheet actuated roller carried by said shaft whereby said plunger is depressed against the action of said spring when said magnetic means attracts such sheet toward said core, said switch being normally in open circuit condition, and means for putting it in closed circuit condition upon movement imparted to said plunger by the action of a metal sheet as it is magnetically attracted toward said core and thus caused to actuate said roller.

2,260,772
DAVIT
Alfred W. Coates, Bayonne, N. J., and Robert Wilson, deceased, late of Brooklyn, N. Y., by Emily Wilson, administratrix, Brooklyn, N. Y.
Application June 1, 1938, Serial No. 211,222
5 Claims. (Cl. 9—22)



1. A davit structure comprising a support adapted to be positioned adjacent the side of the ship and a davit arm mounted thereon for swinging movement from a generally vertical position to a generally horizontal position; said support including a base element and an element formed to provide an upper track surface secured thereto at an acute angle with respect to the base element whereby it is adapted to slope downwardly and outwardly with respect to the ship's side, said davit arm including upper and lower portions, pivot means adjacent the lower end of the arm, and fulcrum means positioned intermediate the ends of the arm for unconstrained engagement with and movement along the track surface, said pivot means including a link element pivotally attached to the lower end of the davit arm and pivotally attached to the base element approximately midway between the ends of said base element whereby the upper portion of the davit arm may move outwardly and downwardly under the action of gravity, the length of said link element being such that the distance of outward movement is greater than the distance of downward movement.

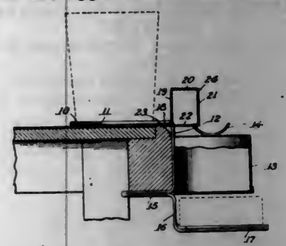
2,260,773
MEANS FOR FINISHING HOT ROLLED BARS
Oscar U. Cook, Birmingham, Ala.
Application November 1, 1937, Serial No. 172,294
1 Claim. (Cl. 29—33)



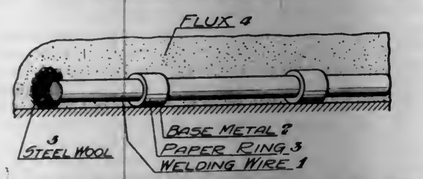
An apparatus for producing bars of predetermined finished cross-sectional shape comprising in combination a pair of coacting rolls through which the bars are adapted to be passed, cooling means positioned to receive the bar as it emerges from said rolls, a plurality of dies arranged in succession and positioned to engage the work as it emerges from the cooling means, each of said dies having an opening therein conforming approximately to the cross-sectional contour of the finished product to be produced, said dies being parted along planes disposed in staggered relation to one another so that the longitudinal fin produced by one die is smoothed down by a succeeding die and a pair of finishing rolls adapted to receive the work as it emerges from said dies, said rolls having an active pass conforming to the desired contour of the bar being rolled.

2,260,774
COMBINATION ASH TRAY, MATCH HOLDER, ETC.
Percy F. Dorsett, San Jose, Calif.
Application September 23, 1940, Serial No. 357,986
3 Claims. (Cl. 211—86)

2. In a device of the class described, an attachment for the edge of a table comprising a wire with a looped upper portion adapted to overlie the surface of the table, the ends of the loop being bent down into vertical strands contacting the edge of the table, an ash receptacle attached to said strands, said strands being formed, intermediate their length, into clamping fingers positioned to contact and press against the under side of the table edge, the lower ends of said strands extending vertically and then bent horizontally in the opposite direction from the fingers and joined to form a rectangular shaped article support.



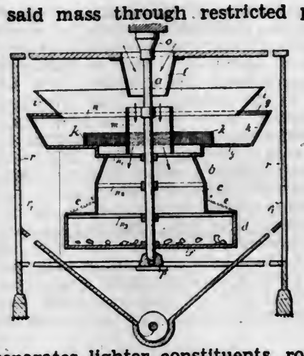
2,260,775
ELECTRIC WELDING
Theodore N. Fritzsch, Johnstown, Pa.
Application January 3, 1939, Serial No. 249,068
2 Claims. (Cl. 219—10)



1. A welding process including supporting welding wire in parallel spaced relation respecting the metal to receive the weld and free from electric contact with said metal, covering said wire and said metal with welding flux that is practically electrically non-conductive when cold and which is a high-resistance electric conductor when hot, heating a localized portion of said flux to cause it to become a high-resistance electric conductor at said portion, passing electric current by way of said wire and said metal through said portions of said flux to effect electric resistance heating thereof and welding action between said wire and said metal, and maintaining said passage of electric current so that said heating and said welding action progresses from said portion of said flux, said wire throughout its length being in electric contact with said flux and the latter being heated by thermal conduction to progressively and gradually become a high-resistance electric conductor through which proportionate portions of said current pass to effect progressive and gradual preheating of said metal in advance of said welding action.

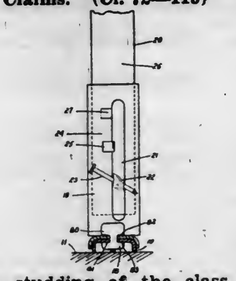
2,260,776
PROCESS AND APPARATUS FOR PURIFYING OR DRESSING CLAY
Ludwig Gerecht, Kassel, Germany
Application September 12, 1938, Serial No. 229,610
In Germany May 4, 1937
9 Claims. (Cl. 233—27)

1. A process for the preparation of clay comprising, applying, to a mass of crude clay of such moisture content as to be in a state of soft plasticity, a centrifugal force in a downwardly expanded centrifuge, whereby specifically heavier constituents, stones, and the like, are extracted at the bottom, and applying to the remainder of the mass a homogenizing treatment during the centrifugal action as it passes upwardly in the centrifuge, said homogenizing action including passing said mass through restricted passages



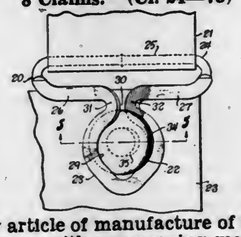
which separates lighter constituents, roots, and the like from the mass.

2,260,777
PARTITION STUD STRUCTURE
William M. Goldsmith, Cincinnati, Ohio
Application October 31, 1938, Serial No. 237,816
7 Claims. (Cl. 72—115)



1. Partition studding of the class described comprising a pair of relatively movable studding members for adjustment longitudinally of one another, one of said members having an elongated slot extending longitudinally thereof, the other of said members having an eye formed thereof, said eye extending through the slot in the first mentioned member and being adapted for movement longitudinally of said slot and a wedge member extending through the eye and frictionally contacting the first mentioned member on opposite sides of the said slot, whereby to secure said studding members together in determinable positions longitudinally of one another.

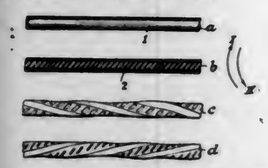
2,260,778
APPAREL SUPPORTER
Robert J. Hodge, West Haven, Conn., assignor to The American Buckle Company, West Haven, Conn., a corporation of Connecticut
Application November 25, 1940, Serial No. 366,938
8 Claims. (Cl. 24—73)



4. A new article of manufacture of the class described, for use with an engaging-member having

a head and a shank, comprising: a retaining-device including a depending retaining-member provided with a retaining-opening and engageable with and disengageable from an engaging-member having a head and a shank; said retaining-member being constructed and arranged to be disengageable from said engaging-member by tilting said head about an upstanding axis relatively to said retaining-member, and moving said tilted head relatively under a portion of said retaining-member adjacent said opening, and out of said opening; said engaging-member not being disengageable from said retaining-member by an unward movement without the said tilting of said head about said upstanding axis; and there being a pair of spaced-apart guide-lips at the upper end of said opening oppositely inclined to the general plane of said retaining-member.

2,260,779
METHOD OF MAKING FERROCONCRETE REINFORCING ELEMENTS
Ernst Hoffmann, Vienna, Germany
Application October 27, 1938, Serial No. 237,325
In Austria October 28, 1937
6 Claims. (Cl. 29—148)



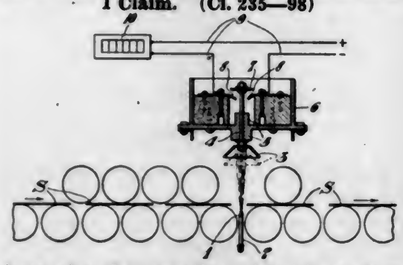
1. A method for the production of a reinforcing element for concrete structures which comprises cold rolling a metal rod to alter the cross section thereof and to produce kneading action in the portions of the rod most affected by the cold rolling operation and thereafter cold twisting the rod to improve the tensile strength in the portions of the rod not directly affected by the said cold rolling operation, thereby greatly increasing the tensile strength and elastic limit of the rod.

2,260,780
PATTY MAKER
Harry H. Holly, Chicago, Ill., assignor to Holly Molding Devices, a partnership composed of Harry H. Holly, Albert J. Fihe, Irene Jessen, Frank Manno, and Michael Salvato, all of Chicago, Ill.
Application January 29, 1940, Serial No. 316,144
17 Claims. (Cl. 107—15)



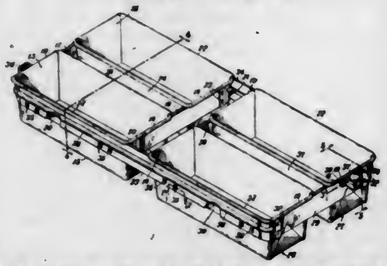
1. A patty maker, comprising a base, a handle pivotally mounted on the base, means for supporting a plurality of stacked paper sheets on the base for individual removal, a mold head loosely mounted on the handle in position to make overall contact with the diminishing stack of sheets upon each downward pivotal movement of the handle, a repeating mold liner for the mold head, and means for supporting the mold liner in position adjacent the mold head.

2,260,781
APPARATUS OPERABLE BY PASSAGE OF OBJECTS
John Kisylia, Gary, and Alfred Kopp, East Gary, Ind.
Application August 31, 1939, Serial No. 292,958
1 Claim. (Cl. 235—98)



Apparatus for counting objects traveling in spaced succession, comprising an upwardly directed nozzle beneath the traveling path of the objects, means for supplying this nozzle with compressed air, a vertically reciprocative cup inverted over said path in line with said nozzle, said cup being lifted by air jetting from said nozzle except when intercepted by the objects, a counting device, and means for rendering said device responsive to movement of said cup.

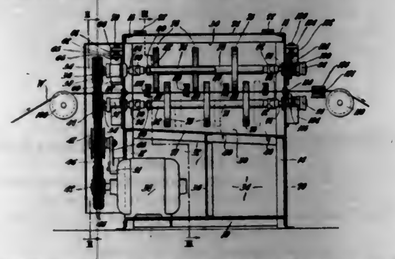
2,260,782
MULTIPLE UNIT BAKING PAN
Adrien L. Langel, Chicago, Ill., assignor to Chicago Metallic Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application September 15, 1939, Serial No. 295,021
12 Claims. (Cl. 53—6)



1. In a multiple unit baking pan, the combination of two pans arranged end to end in spaced relation to each other, a metal bar rigidly connected with the side face of each of said pans, a metal side bar extending along the outer faces of said first-named two bars, interengaging ribs and grooves in said bars longitudinally thereof for preventing vertical movement of said side bar with respect to said first-named two bars, and means for connecting said side bar rigidly with said first-named bars independently of the pans serving to hold the pans rigidly in position with respect to each other.

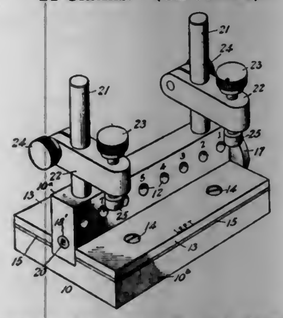
2,260,783
WIRE-CLEANING MACHINE
Edward W. Morley, Huntington Park, Calif.
Application September 26, 1939, Serial No. 296,671
2 Claims. (Cl. 15—88)

1. A wire-cleaning machine of the class described comprising a housing divided into a plurality of separate compartments, one of the compartments having located therein a plurality of gangs of brushes for cleaning the wire, a supporting arbor for each gang of brushes, respective bearings mounted in alignment at opposite ends of the housing rotatably supporting each arbor, respective supports for said bearings adjustable toward and from said guiding means, each of said supports being inclined with respect to the other, said bearings being slidable on said supports so that the said gangs of brushes can be converged toward the axis of said wire, re-



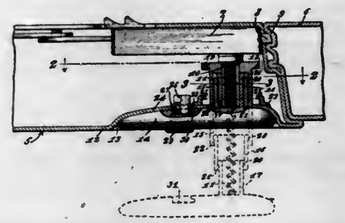
spective drive pulleys for said arbors mounted in a compartment isolated from the compartment in which the brushes are located, and a motor common to all of the drive pulleys also located in a compartment isolated from the brush compartment, said brush compartment having an inclined bottom with at least one opening adjacent the lower end thereof, and a collecting chamber below said opening for receiving the foreign matter removed from the wire by said brushes.

2,260,784
DOWELING JIG
David C. Morton, Richmond, Va.
Application May 23, 1940, Serial No. 336,810
14 Claims. (Cl. 77—62)



1. A device for locating and forming dowel joints between structural members, comprising a cross-sectionally T-shaped metal block formed in two plate parts separable from each other, one of said parts forming the base on which the block normally rests and the other forming the center T'ing member at right angles thereto, said center T'ing part being provided with a longitudinal series of closely spaced drill-guide holes extending transversely therethrough along the length thereof, and a plate extensibly attached to one end of the center T'ing member of the block in a trihedral angle forming relation thereto providing a gauging stop abutment for the end of a structural member applied to the device, said plate being removable with the center T'ing part of the block when separated from said base part thereof.

2,260,785
DOOR HANDLE
Antone Mjguel, San Francisco, Calif.
Application July 10, 1940, Serial No. 344,796
5 Claims. (Cl. 70—208)



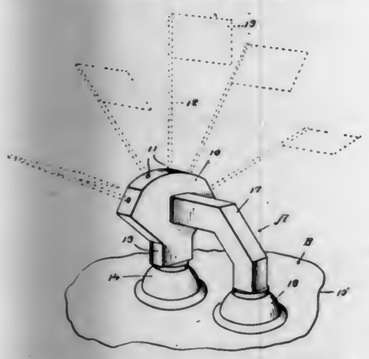
1. In a door having a latch bolt and spindle means for actuating the same, said door having a recess in its outer face, the improvement which comprises interconnected telescoping sections surrounding said spindle means, a handle secured to one of said sections and adapted to be confined within said recess upon collapsing said sections, a plate attached to the inner face of said recessed portion, means on said plate for holding one of said sections when in extended position, and means for locking said handle within said recess.

2,260,786
ATTACHMENT FOR PROPELLERS
Roy F. Muhlenbruck, Hampton, Iowa
Application May 28, 1940, Serial No. 337,700
1 Claim. (Cl. 170—159)



In an attachment for propellers, a circular shaped plate having openings to receive fasteners for securing said plate on the front face of the hub of a propeller and provided with a central opening aligning with the axis of the hub, a hollow cone member formed on said plate over said central opening and having the apex thereof positioned forwardly and axially of the propeller, and a plurality of radially grouped fins including butt ends secured on the cone member and the plate and of a width to project beyond the apex of the cone member and secured to each other at the apex, said plate having struckout portions providing openings therein and lips with some of said lips inclining away from the front face of said plate and the other lips inclining away from the rear face of said plate.

2,260,787
HOLDER
Theodore R. Nichols and Clyde J. Ringer, Emsworth, Pa.
Application April 10, 1939, Serial No. 267,144
3 Claims. (Cl. 248—39)



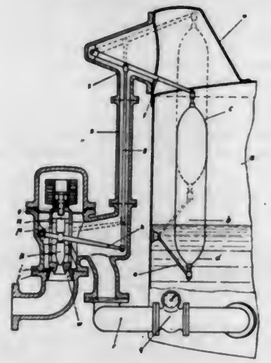
3. A holder of the character described comprising a main body having sockets opening through one edge for separable frictionally holding gadgets when engaged therein, a laterally turnable brace projecting from the body, suction cups associated with the body and brace, the body being of substantially sector shape with its larger portion uppermost and means swiveling the brace to the body, the sockets opening through the uppermost edge of the body.

2,260,788
HARNESS CONNECTOR FOR LOOMS
Oscar V. Payne, Leicester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application December 9, 1940, Serial No. 369,177
12 Claims. (Cl. 139—88)



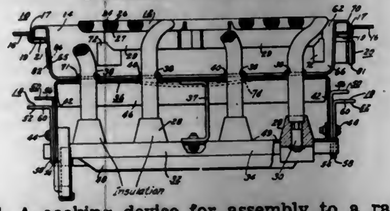
1. A harness connector comprising two parallel elongated members, the connector being adjustable as to length by a combined relative angular motion of the members about an axis extending longitudinally of the connector followed by a relative longitudinal motion of said members, interengaging means extending along adjacent edges of the members to prevent relative longitudinal motion of said members when the latter are in normal angular position, resilient means tending to hold the members in normal angular position and yieldable when said members move to abnormal angular position, and mutually engaging means on the members constituting a longitudinally extending sliding connection for the members spaced from the interengaging means and about which the members are movable angularly with respect to each other in a plane perpendicular to the length of the connector and along which said members move relatively to each other for longitudinal adjustment when said members are moved to abnormal angular position against the action of said resilient means.

2,260,789
OUTFLOW REGULATOR FOR PETROLEUM SEPARATORS
Hans Richter, Bremen, Germany, assignor to Gustav F. Gerdts, Bremen, Germany
Application July 29, 1939, Serial No. 287,216
In Germany August 23, 1938
2 Claims. (Cl. 137—68)



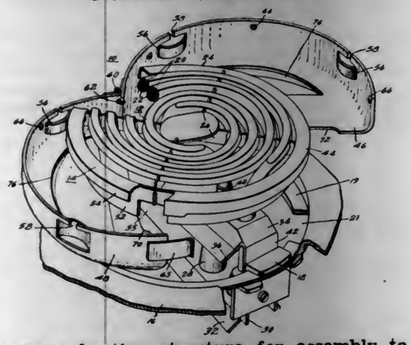
1. Outflow regulator for petroleum separators, said regulator comprising a movable float, a casing enclosing said float and adapted to be filled with liquid into which said float is immersed, a lever having one end connected with said float, means connected with said casing and constituting an auxiliary chamber communicating with the interior of said casing, said means including a pivot for the other end of said lever; a movable valve body, means constituting another movable valve body which is larger than the first-mentioned valve body and which has an opening formed therein and adapted to be closed by the smaller valve body, means connected with the larger valve body and constituting a stop for the movement of the smaller valve body, another lever operatively connected intermediate its ends with the smaller valve body, a transmission rod having one end connected with the first-mentioned lever and the other end connected with an end of the second-mentioned lever, means connected with the means constituting said auxiliary chamber and constituting another auxiliary chamber communicating with the first-mentioned auxiliary chamber and containing said transmission rod, and means constituting a passage communicating with the interior of said casing and said other auxiliary chamber, said passage being adapted to be closed by the larger valve body.

2,260,790
HEATING UNIT
William J. Russell, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 29, 1939, Serial No. 264,775
5 Claims. (Cl. 219—37)



4. A cooking device for assembly to a range platform, the combination of an electrically-heated element, generally circular in configuration and disposed in a horizontal plane adjacent the plane of the platform, a terminal structure depending from the element and extending diametrically thereof, a pan assembly disposed beneath the element and including complementary substantially semi-circular heat-reflecting segments disposed on opposite sides of the terminal structure, hinge means connecting said segments and permitting separation thereof for the removal of the pan assembly as a unit from the heating element, a flange disposed adjacent the top of the pan segments for supporting the pan assembly from the platform and supports carried by the segments for supporting said elements.

2,260,791
HEATING UNIT
Paul W. Green, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 16, 1939, Serial No. 273,859
4 Claims. (Cl. 219—37)



1. In a heating structure for assembly to a platform, the combination of a heating element having a cooking surface disposed substantially in the plane of the platform during normal periods of operation and movable to an elevated position above the platform at other times, said element having a terminal structure depending therefrom, a circular member having an outwardly-extending flange resting upon the platform and disposed peripherally of the heating element and a sleeve depending from the flange, first and second relatively movable bottom wall portions defining a pan structure beneath the element and disposed on opposite sides of the terminal structure, said pan structure defining a heat reflector and a terminal shield and said pan structure being separable from the circular sleeve member, hinge means connecting said bottom wall portions, means for latching said bottom portions together about the depending sleeve of the circular member, and means carried by the bottom wall portions for defining a support for said element in its normal operating position.

2,260,792
HEATING UNIT
Paul W. Green, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 16, 1939, Serial No. 273,860
4 Claims. (Cl. 219—37)

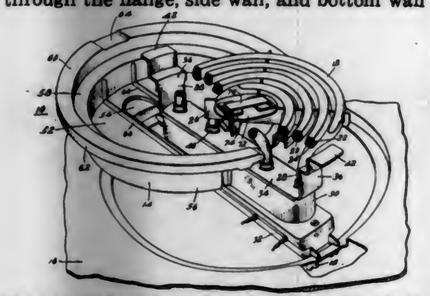


1. In an electrically-heated unit for assembly to a range platform, the combination of a heating element disposed in a substantially horizontal plane adjacent the plane of the platform during normal use and movable to an elevated position for cleaning, said heating element including a depending terminal structure movable with the element, and a pan structure disposed in part beneath the element and including an outwardly-extending flange encompassing the element and normally resting upon the platform, a segmental bottom wall fixed to a portion of the flange and extending beneath a portion of the element and on one side of the terminal structure, a second segmental bottom wall extending beneath the element on the opposite side of the terminal structure and movable with respect to the flange, said second segmental bottom wall defining, with the first-mentioned segmental bottom wall, a heat-reflecting bottom portion of the pan structure, and hinge means connecting the segmental bottom walls at one side thereof beneath the flange and providing for separation of the bottom walls from the terminal structure when the element has been moved to its elevated position.

2,260,793
HEATER UNIT
William J. Russell, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 20, 1939, Serial No. 300,363
8 Claims. (Cl. 219—37)

1. In a heating structure for a range platform, the combination of a substantially circular heating element having a flat heating surface and

depending terminal portions, a unitary pan comprising a circular side wall and a flange projecting radially outward from the upper end of the side wall and a bottom wall extending across the lower end of the side wall, said flange encompassing the heating element and removably engaging the range platform for supporting the pan in normal position, said pan being provided with a slot extending diametrically inwardly through the flange, side wall, and bottom wall of



the pan and said slot terminating in the bottom wall of the pan, and a shield secured to the depending terminal portions of the heating element, said shield being formed to close the slot in the bottom wall of the pan whereby the shield and pan define a complete, heat-reflecting drip receptacle, and said pan being removable from the heating element and the terminal shield in the direction of the slot when the heating element and shield are raised above their normal working positions.

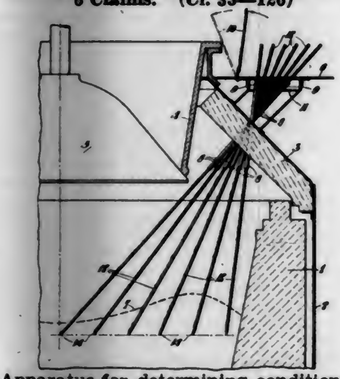
2,260,794

APPARATUS FOR TESTING INTERIOR FURNACE CONDITIONS

George E. Steudel, Chicago, Ill.

Application July 22, 1939, Serial No. 286,013

6 Claims. (Cl. 33—126)



1. Apparatus for determining conditions existing inside a blast furnace, including at least one tube extending downwardly through the furnace dome, a test pipe for passage through said tube and means for closing said tube when said pipe is withdrawn completely from said tube, said tube being positioned in such an angular manner as to bring the bottom end of said pipe to a predetermined position inside said furnace when said pipe is passed through said tube a predetermined extent said pipe having open ends with the bottom end providing access to the furnace interior and the upper end providing access to said lower end.

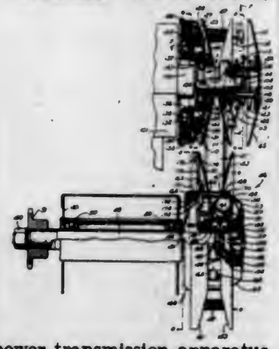
2,260,795

AUTOMATIC POWER TRANSMISSION MEANS

Bruce Burns, Santa Monica, Calif., assignor to Salsbury Corporation, Inglewood, Calif., a corporation of California

Application January 30, 1939, Serial No. 253,557

10 Claims. (Cl. 74—230.17)



1. In power transmission apparatus, the combination of: a shaft; a pulley hub supported rotatably on said shaft; a pulley face attached to said pulley hub; a second pulley face slidably and rotatably mounted on said pulley hub, said pulley faces providing opposed inclined surfaces for engagement of a V-belt therewith; a housing attached to said pulley hub; a compression spring disposed between said housing and said second pulley face urging said second pulley face toward said first pulley face; and a plurality of circumferentially spaced links connecting said housing and said second pulley face, each of said links comprising a loop of resilient material at one end pivotally connected to said housing and at the other end pivotally connected to said second pulley face.

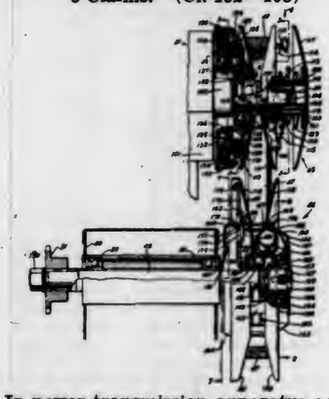
2,260,796

AUTOMATIC CLUTCH FOR MOTOR VEHICLES

Bruce Burns, Santa Monica, Calif., assignor to Salsbury Corporation, Inglewood, Calif., a corporation of California

Original application January 30, 1939, Serial No. 253,557. Divided and this application September 29, 1939, Serial No. 297,064

6 Claims. (Cl. 192—105)



6. In power transmission apparatus associated with a prime mover and a shaft rotated by said prime mover, the combination of: an axially movable member mounted to rotate about the axis of said shaft; means connected for rotation with said shaft and providing a surface on one side of said member for engagement therewith and a ramp on the other side of said member; a plate positioned between said ramp and said member, said plate being connected to rotate with said ramp and being axially movable relative thereto, said ramp and said plate being so shaped that the axial separation therebetween is greatest at a certain radius, and decreases with increasing or decreasing radius from said certain radius; and an extended annular coil spring disposed between said ramp and said plate.

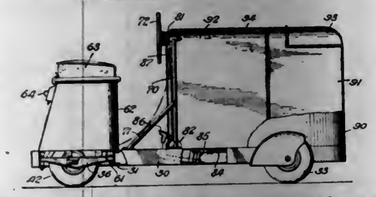
2,260,797

MOTOR VEHICLE WITH STARTING CLUTCH

Bruce Burns, Santa Monica, Calif., assignor to Salsbury Corporation, Inglewood, Calif., a corporation of California

Original application January 30, 1939, Serial No. 253,557. Divided and this application April 29, 1940, Serial No. 332,405

5 Claims. (Cl. 180—25)



1. In a vehicle driven by an internal combustion engine and having a reduction gear which drives a wheel of the vehicle through suitable mechanism, and a main clutch through which the engine may drive said vehicle through said reduction gear, means for starting the engine by moving the vehicle and preventing the engine from stopping while the vehicle is in motion, comprising the combination of: means for automatically causing said speed reduction gear to assume its position of maximum reduction whenever said vehicle is moving below a predetermined speed or is at rest; and an over-running or one-way clutch operative when said main clutch is disengaged and through which said wheel may drive said engine through said gear but said engine cannot drive said wheel.

2,260,798

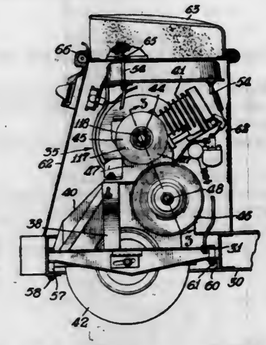
MOTOR VEHICLE WITH AUTOMATIC MAIN CLUTCH AND AUTOMATIC TRANSMISSION

Bruce Burns, Santa Monica, Calif., assignor to Salsbury Corporation, Inglewood, Calif., a corporation of California

Original application January 30, 1939, Serial No. 253,557. Divided and this application April 29, 1940, Serial No. 332,406

6 Claims. (Cl. 74—216.5)

1. In a vehicle the combination of: an engine having a shaft; a driving wheel; a variable speed reduction gear, said speed reduction gear comprising a driving shaft, a driven shaft, a driving pulley carried on the driving shaft of said gear, a driven pulley carried on the driven shaft of said gear, and a V-belt passing over said pulleys, the effective diameter of which pulleys may be varied to vary the speed ratio of said gear; mechanism through which the driven shaft of said gear can drive said driving wheel; a clutch adapted, when engaged, to transmit power from the shaft of said engine to the driving shaft of said gear; centrifugally actuated members carried by the driven shaft of said gear and, therefore, rotated at all times at a speed proportional to the speed of



said driving wheel; and mechanism through which said centrifugally actuated members vary the effective diameter of said driven pulley to increase or reduce the ratio of said gear as the speed of said driving wheel is reduced or increased.

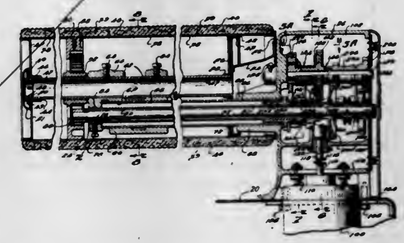
2,260,799

IRONING APPARATUS

Theodore R. Bush, Royal Oak, Mich., assignor to Borg-Warner Corporation, a corporation of Illinois

Application September 25, 1937, Serial No. 165,644

18 Claims. (Cl. 38—59)



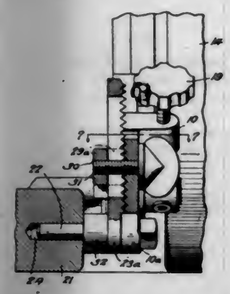
12. Ironing apparatus comprising a roll element, a shoe element, one of said elements being mounted for movement toward and away from the other of said elements, a source of power, a driving member in constant connection with the source of power, a shifting member connected to said movable one of said elements, a driving connection including a pair of clutches between said driving member and said shifting member, one of said clutches constituting a shifting clutch and the other of said clutches constituting an emergency release clutch, said shifting clutch being arranged between said emergency release clutch and said driving member, said shifting clutch being engageable to complete the driving connection between said driving member and said shifting member so as to operate said shifting member for moving said shoe and roll elements into and out of engagement, spring means connected to said shifting member and adapted for operating the same to effect a separation of the said roll and shoe

elements, said emergency release clutch being adapted to break the driving connection between said shifting clutch and said shifting member to permit said spring means to effect a separation of said ironing elements in the event of power failure.

2,260,800
PROCESS OF MAKING TERTIARY BUTYL MALONIC ACID
Milton T. Bush, Nashville, Tenn., assignor to Mallinckrodt Chemical Works, St. Louis, Mo., a corporation of Missouri
No Drawing. Application May 1, 1939, Serial No. 271,165
6 Claims. (Cl. 260—537)

1. The process of making tertiary butyl malonic acid which comprises reacting the sodium salt of tertiary butyl acetic acid with a sodiohydrocarbon, and carbonating the product of the reaction.

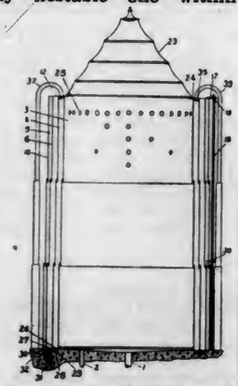
2,260,801
MOWER
Richard D. Clemson, Middletown, N. Y., assignor to Clemson Bros., Inc., Middletown, N. Y., a corporation of New York
Application February 14, 1939, Serial No. 256,380
2 Claims. (Cl. 56—249)



1. An adjustable mounting for the ground roller of a lawn mower of the type having a frame on which the operative mechanism thereof is mounted comprising at each end of said frame a channel in said frame, a supporting member fitted in said channel for rotatably mounting said ground roller, a retaining member overlying said channel to retain said supporting member therein but having substantial clearance with said supporting member, a bolt passing through said frame and engaging threads in said retaining member relative to said frame, projections on opposing faces of said frame and said retaining member respectively, rigidly interfitted to inhibit movement of said retaining member relative to said frame, and projections on opposing faces of said retaining member and said supporting member respectively to limit movement of said supporting member relative to said frame.

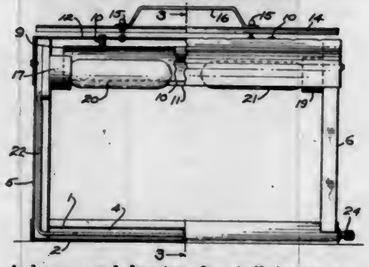
2,260,802
BATHING AND DRYING APPARATUS
Samuel L. Conrad, Columbus, Ohio
Application July 2, 1940, Serial No. 343,593
27 Claims. (Cl. 4—173)

1. An apparatus of the character described comprising, a plurality of concentrically disposed telescopic shells each comprising a plurality of concentrically disposed, rigid, cylindrical sections successively nestable one within the other,



means for extending said shells, and means for supplying water to the interior thereof.

2,260,803
TOILET LAMP AND HEATER
Reginald E. G. Dewar, Oakland, Calif., assignor to Electronic Devices Laboratory, Inc., Oakland, Calif., a corporation of California
Application March 7, 1941, Serial No. 382,244
4 Claims. (Cl. 219—34)

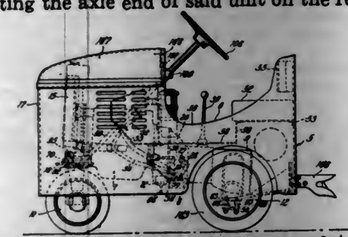


1. A lamp and heater for toilet use comprising a base having a sloping top on which human hands may be rested, a pair of spaced supports extended upwardly from said base, a semicylindrical exterior guard connecting said supports over said base, a reflector concentrically mounted within said guard and directed toward said base, said reflector having a lesser arc than said guard, and having both edges thereof equally set back from and above the adjacent edges of said guard, and a tubular heat producing lamp extending from each of said supports toward each other and substantially concentrically positioned within said reflector, whereby heat therefrom is reflected substantially on said base only.

2,260,804
INDUSTRIAL TRACTOR
Elmer J. Dunham, Battle Creek, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Original application August 23, 1939, Serial No. 291,526. Divided and this application February 23, 1940, Serial No. 320,319
13 Claims. (Cl. 180—57)

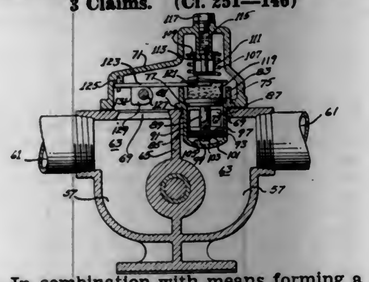
1. In an industrial tractor, a continuous one-piece body member laterally enclosing the tractor, a power plant assembly including an engine,

clutch, transmission and drive axle coupled together as a rigid unit, means for rotatably supporting the axle end of said unit on the rear wall



of said body member, a transverse plate across the forward end of said member, and means resiliently supporting the forward end of said engine on said plate.

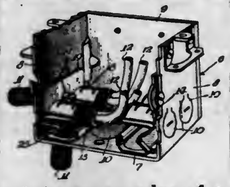
2,260,805
PUMP VALVE
Albert J. Granberg, Oakland, Calif., assignor to Granberg Equipment, Incorporated, Oakland, Calif., a corporation of California
Application December 27, 1938, Serial No. 247,765
3 Claims. (Cl. 251—146)



1. In combination with means forming a passageway, a valve seat forming a part of the walls of said passageway, a dash pot having a closed bottom depending from said valve seat and having openings into said passageway adjacent said valve seat, a valve head in engagement with said seat on the opposite side of said seat from said dash pot and having a depending shank extending into said dash pot and terminating in a dash pot piston loosely fitting the dash pot walls, said piston being perforated to enable fluid to reach the underside thereof, a distortable disc resiliently held against said underside to normally close the perforations in said piston, a spring seat mounted for axial movement on the side of said valve head opposite the shank side thereof, a valve spring bearing on said spring seat and a wall of said passageway urging said valve head against said valve seat with said piston normally below the openings in said dash pot, and control means for axially moving said spring seat toward and from said valve head.

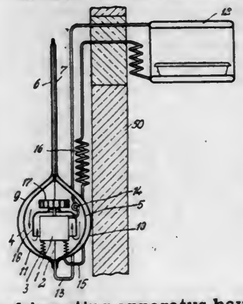
2,260,806
CLAMP
Ralph F. Hinchman, Aurora, Ill., assignor to All-Steel-Equip Company, Aurora, Ill., a corporation of Illinois
Application May 27, 1940, Serial No. 337,396
2 Claims. (Cl. 285—24.5)

1. A one piece clamping member stamped from a single piece of flat sheet metal and configurated to provide a pair of opposed spaced apart clamping surfaces to receive clampingly therebetween a cable or conduit, one of said surfaces being shaped to conform with a surface of a cable, the other of said surfaces being provided with an opening therein through which a cable may pass, said latter surface being provided with rolled ends on opposite edges thereof to support a cable, said ends being higher than



the distance between an edge of a knockout in an outlet box with which the clamping member is used whereby to eliminate the cable contacting the sharp edges of the opening formed by the removal of a knockout, and metal strips integral with the said surfaces to maintain the said surfaces in predetermined spaced relationship.

2,260,807
REFRIGERATING APPARATUS OF THE COMPRESSION TYPE
Rudolf Hintze, Berlin-Charlottenburg, and Peter Pfaff, Berlin-Siemensstadt, Germany, assignors to Patentverwertungs-Gesellschaft mit beschränkter Haftung "Hermes", Berlin, Germany, a corporation of Germany
Application August 9, 1939, Serial No. 289,252
In Germany August 11, 1938
13 Claims. (Cl. 62—115)

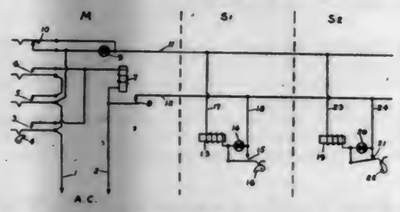


1. In a refrigerating apparatus having a motor-compressor set sealed in a housing and a condenser structure comprising a pair of metal sheets sealed together in face-to-face relationship, said metal sheet structure having an upper straight portion and a lower bulged portion and forming a refrigerant-containing conduit system extending over said straight and said bulged portion, said bulged portion being associated with said housing to form a cooling jacket for transferring waste heat from said set through refrigerant in said conduit system to the outer surface of said condenser structure.

2,260,808
TIME SYSTEM
Edward B. Jackson, Downers Grove, Ill., assignor to General Time Instruments Corporation, New York, N. Y., a corporation of Delaware
Application August 9, 1939, Serial No. 289,089
1 Claim. (Cl. 58—24)

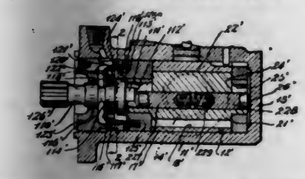
In a corrective time system, master apparatus and secondary apparatus connected by a control

circuit, a source of alternating current connected to said master apparatus, means in said master apparatus for transmitting normal alternating current impulses from said source over said control circuit at regularly recurring intervals, an electromagnet in said secondary apparatus unresponsive to alternating current flowing through its windings, a rectifier normally in series with said electromagnet to rectify said alternating current impulses whereby said secondary apparatus is advanced step by step by the operations of said electromagnet, means in said master apparatus for transmitting a series of rapidly recurring alternating current impulses over said control circuit between two of said normal impulses,



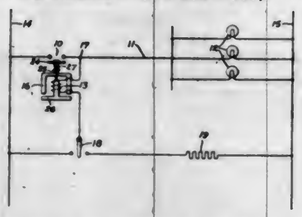
means in said secondary apparatus operative when the same reaches a predetermined chronological position for shunting said rectifier to render said electromagnet inoperative by alternating current impulses, a rectifier in said master apparatus, a normally closed shunt circuit for said rectifier, and means for opening said shunt circuit immediately following the transmission of said series of rapid impulses whereby an impulse of rectified alternating current is transmitted over said control circuit to operate said secondary electromagnet thereby opening the shunt around said secondary rectifier to again render said electromagnet responsive to the normal alternating current impulses.

2,260,809
SEAL FOR ROTARY PUMPS
James P. Johnson, Shaker Heights, Ohio, assignor, by mesne assignments, to Pump Engineering Service Corporation, Cleveland, Ohio, a corporation of Ohio
Application March 18, 1938, Serial No. 196,694
1 Claim. (Cl. 308—36.2)



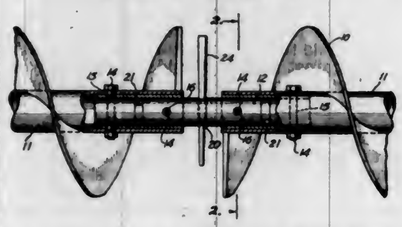
In a fluid pump bearing and fluid pressure seal assembly, a supporting housing, a rotary drive shaft carried thereby, means inwardly of said housing defining a single horizontal bearing for said shaft, said bearing being limited to a length equal only to a small fraction of the total length of said shaft within said housing and providing for a limited axial movement of said shaft as well as a limited mis-alignment of said shaft relative to said bearing, a radially extending flange functioning to provide an axial thrust bearing surface displaced axially outwardly of said horizontal bearing, a bearing ring arranged to engage said thrust bearing surface, and supporting means arranged to be fastened to said housing for supporting said bearing ring, a compressible ring interposed between said bearing ring and said supporting means providing for said axial adjustment and said mis-alignment for maintaining sealed contact between said axial thrust surface and said bearing ring, pin means passing through said bearing ring and fixed relative to said supporting means for limiting the turning of said bearing ring in response to rotation of said shaft, and spring means normally urging said axial thrust bearing surface into engagement with said ring.

2,260,810
CONTROL SYSTEM
Benjamin W. Jones, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 7, 1940, Serial No. 322,786
10 Claims. (Cl. 175—375)



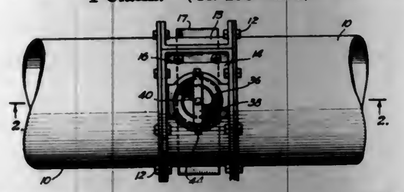
1. In combination, a switch biased to its open circuit position, a coil for operating said switch to its closed circuit position, a magnet iron core structure for said coil having sufficient residual magnetism after said coil is deenergized to hold said switch closed, and a control switch movable to connect said coil across said switch for energization of said coil to close said switch whereby said coil is short circuited by said switch.

2,260,811
COUPLING MEANS FOR SCREW CONVEYERS
Joseph L. Kozak, Munster, Ind., assignor to Screw Conveyor Corporation, Hammond, Ind., a corporation of Illinois
Application March 19, 1941, Serial No. 384,101
1 Claim. (Cl. 287—2)



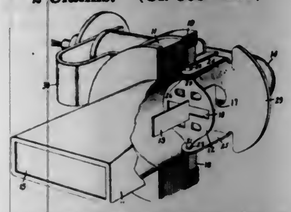
In a coupling construction for sectional screw conveyer apparatus, a coupling element and bolts for coupling the conveyer sections together with the adjoining coupled ends spaced slightly apart for bearing support, said coupling element being provided with means for initially shifting the coupling for telescoping the same into either of the adjoining conveyer sections, said means comprising an opening in that part of the coupling designed for bearing support and which is exposed on removal of the bearing, thereby facilitating application of a tool into the opening for effecting said shifting action.

2,260,812
INSPECTION PORT FOR SCREW CONVEYER CONNECTIONS
Joseph L. Kozak, Munster, Ind., assignor to Screw Conveyor Corporation, Hammond, Ind., a corporation of Illinois
Application March 19, 1941, Serial No. 384,102
1 Claim. (Cl. 198—213)



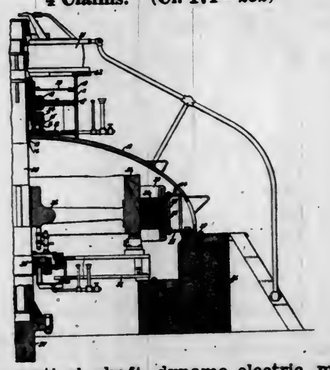
A combination coupling and hanger unit for screw conveyer apparatus made up of multiple sections, said unit comprising a housing structure provided with coupling means for removably connecting adjoining ends of said multiple sections and including disconnectible shaft connections for coupling adjoining ends of the interior screw conveyer sections, said unit also having bearings for the coupled ends of said conveyer sections, the top of said housing structure being provided with an opening for facilitating inspection of the interior of the unit and obtaining access for servicing said connections and coupling means, said housing structure having a pair of notched lugs projecting upward at opposite sides of said opening, a removable closure disk fitting said opening and formed with a marginal flange for seating engagement with the outer margin of the opening, and a curved leaf spring having its intermediate portion secured to the outer face of said disk and leaving the outer ends of the spring free for moving into latching engagement with the notched portions of said lugs.

2,260,813
ANTIRATTLING MOUNTING FOR INSTRUMENT ARMATURES
Myron S. Wilson, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application May 23, 1939, Serial No. 275,202
2 Claims. (Cl. 308—159)



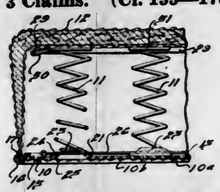
2. An anti-rattling mounting for a movable element comprising a movable element with a pair of pivots extending in diametrically opposite directions, a supported bearing bracket having a cup-shaped depression therein to form a bearing cooperating with one of said pivots, a second bearing bracket comprising a strip of resilient material supported at one end and having at the other end a cup-shaped depression adapted to receive and form a bearing for the second of said pivots, said second bearing bracket being so mounted as to cause its pivot receiving depression to bear lightly against the pivot, and means for preventing said resilient bracket from bending far enough to allow the movable element to drop out.

2,260,814
FABRICATED DYNAMOELECTRIC MACHINE
Alexander P. Wood, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 20, 1939, Serial No. 310,203
4 Claims. (Cl. 171—252)



1. A vertical shaft dynamo-electric machine including a one-piece frame and bearing bracket member, a core member mounted therein, a rotatable member adapted to react electrodynamically with said core member, and means including a bearing housing mounted on said one-piece member and having a thrust bearing therein for supporting said rotatable member on said one-piece member.

2,260,815
SEAT CONSTRUCTION
Leonard A. Young, Detroit, Mich.
Application December 3, 1938, Serial No. 243,783
3 Claims. (Cl. 155—179)

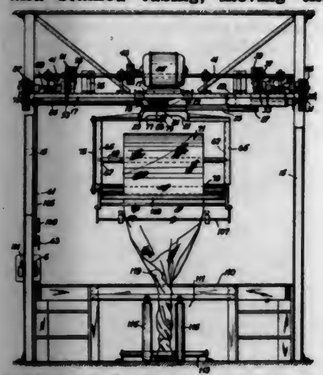


3. A resilient seat construction comprising a base member, a plurality of coiled spring units, a covering for said spring units, a plurality of spaced bosses on the upper surface of said base member, each of said bosses being of such size as to fit within the lowermost coil of one of said spring units and being provided with aligned apertures, and a pin extending through said apertures and serving to fasten said lowermost coils to said base member.

2,260,816
METHOD OF MANUFACTURING FABRIC TUBING
Alonzo E. Albin, Freeport, N. Y., assignor to Bemis Bro. Bag Company, St. Louis, Mo., a corporation of Missouri
Application January 11, 1940, Serial No. 313,337
2 Claims. (Cl. 112—63)

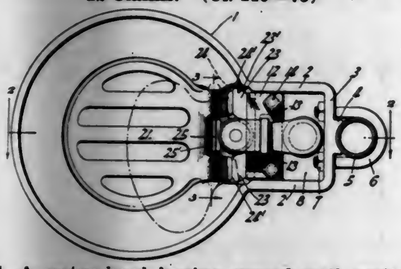
1. The method of manufacturing helically seamed tubing from a single flat strip, comprising indexing the edges of the flat strip at intervals staggered according to a fixed distance, seaming together by means of a stationary sew-

ing machine said opposite edges while registering successive indices on opposite edges, whereby twist occurs in the resulting non-rotating, collapsed and seamed tubing, moving the last-



named tubing axially without rotation, and continuously untwisting and rolling up said tubing by rotary motion around an axis at right angles to the tubing and by a simultaneous rotary motion upon an axis parallel to the tubing.

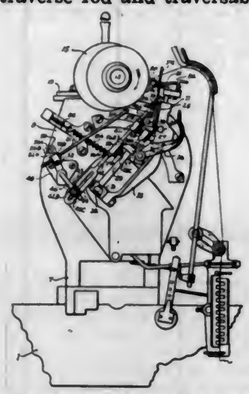
2,260,817
CATTLE DRINKING BOWL
Austin E. Anderson, Jamestown, N. Y., assignor to Anderson Milker Co., Inc., Jamestown, N. Y.
Application January 18, 1940, Serial No. 314,459
12 Claims. (Cl. 119—75)



1. A water bowl having spaced wall portions with spaced parts extending therefrom to form a transverse bearing, a presser plate pivotally resting on the bearing and having stop lugs engageable therewith to limit pivoting movement of the presser plate, and a water supply nozzle overhanging a projecting part of the plate in a plane between the bearing parts and obstructing the removal of the latter by a direct lifting action while permitting the plate to be tilted on one bearing part to lift the opposite lug over the other bearing part and then withdrawing the other lug through the space between the bearing parts.

2,260,818
WINDING MACHINE
Alfred W. Arterton and Ferdinand F. Stange, Westfield, Mass., assignors to Foster Machine Company, Westfield, Mass., a corporation of Massachusetts
Application July 24, 1939, Serial No. 286,128
13 Claims. (Cl. 242—43)

1. A winding machine including in combination a rotatable spindle to support and rotate a core, a swinging frame to be moved away from the spindle and core as the package builds up on the core, a reciprocable traverse rod carried by the frame, a thread guide carried by the frame driven from the traverse rod and traversable back and

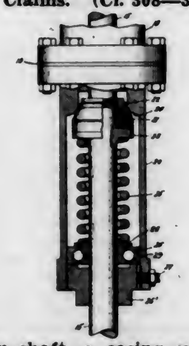


forth in a straight line along the core and means interconnecting the thread guide and traverse rod for varying the length of traverse of the thread guide.

2,260,819
COATING COMPOSITION
Ladislaus Balassa, Flint, Mich., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 25, 1939, Serial No. 306,100
7 Claims. (Cl. 106—14)

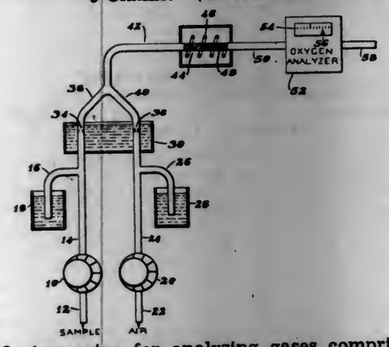
1. A coating composition comprising the reaction product at room temperatures of a blown oil having drying properties and from 1 to 3% phosphoric acid, a resin, and solvents, said reaction product having been dispersed in solvents before a rubbery gel is produced, the solids of the said composition being below about 50%.

2,260,820
ROTARY LIQUID SEAL
James R. Barr, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application August 30, 1939, Serial No. 292,654
3 Claims. (Cl. 308—36.2)



1. A rotary shaft, a casing surrounding the shaft and having an internal seal seat, a seal disc secured to and sealed around the shaft and fitting said seat, a bearing for the shaft, said bearing having a part rotatable with said shaft and slidable thereupon, a spring compressed between said disc and said bearing part for forcing said disc against said seat and a member threaded in said casing operatively associated with said bearing for adjustably positioning said bearing including said part relative to said casing.

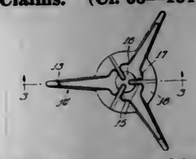
2,260,821
GAS ANALYSIS METHOD AND APPARATUS
Wilfred R. Bendy, Seattle, Wash.
Application December 31, 1938, Serial No. 248,760
9 Claims. (Cl. 23—232)



3. Apparatus for analyzing gases comprising, in combination: means adding oxygen to said gases; means proportioning said oxygen to said gases to give a mixture containing a fixed proportion of added oxygen; a combustion chamber; means passing said mixture through said combustion chamber; an oxygen analyzer measuring the proportion of oxygen in said mixture; and a conduit conducting said mixture from said combustion chamber to said oxygen analyzer.

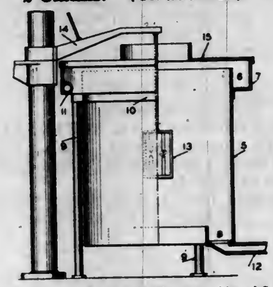
6. The method of measuring a deficiency of oxygen in gases which contain combustible constituents and which may also contain oxygen, which comprises: adding a measured volume of oxygen to a measured volume of said gases; proportioning said volumes so as to give a mixture having a fixed proportion of added oxygen, the total content of oxygen thus obtained being at least sufficient for complete combustion of said gases; subjecting said mixture to conditions producing combustion of said combustible constituents; and measuring any reduction in proportion of oxygen in said mixture relative to said fixed proportion of added oxygen.

2,260,822
AGITATOR
Louis B. Berg, Chicago, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application October 22, 1938, Serial No. 236,415
2 Claims. (Cl. 68—134)



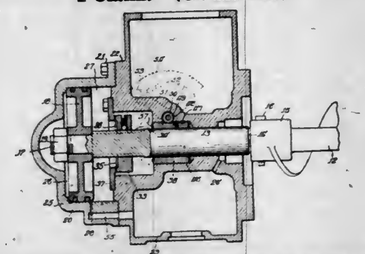
1. An enameled washing machine agitator of sheet metal having a constant thickness, said agitator comprising a plurality of vanes each having a pair of walls integrally joined at the outer edge of the vane, a web portion joining the wall of one vane to a wall of an adjacent vane, and a tapered driving key formed in each of said web portions by spaced walls jointed by a smooth curved portion, the web portions between said keys collectively forming a shaft receiving hub.

2,260,823
IRRADIATING METHOD
Edward S. Bettis, Greenville, Ill., assignor to Pet Milk Company, St. Louis, Mo., a corporation of Delaware
Application March 21, 1940, Serial No. 325,092
2 Claims. (Cl. 250—49)



1. The method of irradiating a liquid to modify its characteristics which consists in causing the liquid to flow in a thin film over a substantially vertical and cylindrical smooth unbroken surface in a curvilinear path, said flow resulting from a circular component of velocity imparted thereto in a horizontal plane and a vertical component due to gravity, whereby turbulence is caused in the film by the composite liquid movement alone independent of mechanical interruption, and subjecting the liquid during such flow to radiations of such character as to accomplish the desired modification thereof.

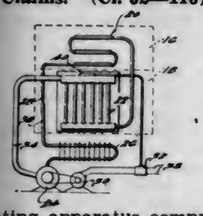
2,260,824
FEEDING APPARATUS
Harold N. Bliss and George E. Fenton, Ithaca, N. Y., assignors to Morse Chain Company, Ithaca, N. Y., a corporation of New York
Application June 26, 1939, Serial No. 281,172
1 Claim. (Cl. 110—45)



In a stoker, in combination with a retort, a fuel feed conduit leading into said retort, and a feed screw reciprocable in said conduit for moving fuel into said retort; means for reciprocating said screw, said means including a casing, a push rod forming a continuation of the rear end of the screw, said rod being mounted in said casing for axial and rotative movement, a rider having a threaded connection with said push rod adapted to cause the rod to rotate when said rider is held against movement, and a pair of abutment members, spaced apart a distance considerably greater than the axial thickness of the rider, between which the rider is axially movable during a substantial portion of each reciprocation of the push rod and against which the rider is adapted to be arrested during the remainder

of each reciprocation, one of said abutment members being adapted to restrain such rider against rotation so as to cause the push rod to rotate during a portion only of its return stroke, and the other of said abutment members comprising a sleeve encircling said shaft, said casing being formed with a bearing member in which said sleeve is axially slidable, means extending into said bearing member from the exterior of the casing and cooperating with said sleeve for adjusting the latter axially, said adjusting means comprising an oscillatable shaft provided with a pinion, and said sleeve being formed with rack teeth cooperating with said pinion.

2,260,825
REFRIGERATING APPARATUS
Howard E. Blood, Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application June 3, 1939, Serial No. 277,207
3 Claims. (Cl. 62—116)

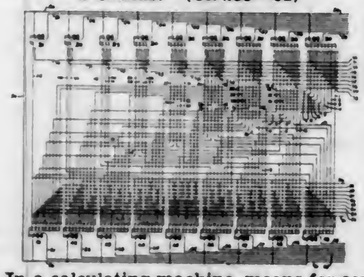


1. Refrigerating apparatus comprising a heat insulated compartment, a refrigerating system including a pair of evaporators adapted to absorb heat at different temperature levels, the evaporator operating at the lower temperature being arranged in the upper part of said compartment and the other evaporator being arranged at an elevation below that of said lower temperature evaporator, means for supplying liquid refrigerant medium to said lower temperature evaporator, said medium being made up by placing together refrigerants having different volatility and retaining said different volatility after being placed together, a connection between said evaporators for supplying liquid refrigerant from said lower temperature evaporator to the other of said evaporators, said connection including a vertically disposed duct of relatively large diameter having its lower end communicating with the evaporator of higher temperature and terminating at its upper end in a vapor accumulating chamber whereby bubbles forming in the downwardly directed portion of said series connection may pass upwardly to said header without disturbing the downward flow of liquid refrigerant to the evaporator of higher temperature, and an exhaust connection for said chamber above the level of liquid refrigerant adapted for connection to the inlet side of the refrigerant compression unit.

2,260,826
PROCESS FOR PREPARING IMPROVED PIGMENT MATERIALS
James E. Booge, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 4, 1939, Serial No. 302,855
4 Claims. (Cl. 83—94)

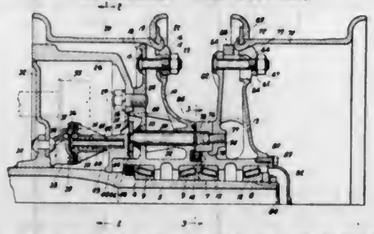
3. A process for the production of finely divided calcium carbonate containing composite pigments having an oil absorption value of less than about 20 and substantially free of calcium carbonate particles larger than 6 microns which comprises subjecting natural calcium carbonate materials having a white light reflectance of at least 90% in admixture with a calcined prime pigment to continuous wet grinding at a slurry concentration of between about 450 to about 550 grams of solids per liter, diluting the mill effluent to between about 225 and about 275 grams of solids per liter, centrifugally classifying to separate the fines and returning the coarse for further grinding.

2,260,827
CALCULATING MACHINE
Eugene R. Booker, San Jose, Calif.
Application July 13, 1938, Serial No. 218,985
2 Claims. (Cl. 235—61)



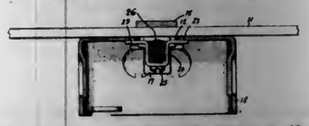
1. In a calculating machine, means for controlling entry of successive partial products on a series of accumulator wheels, said means consisting of eighteen multiple contact relays, nine of which control the closure of nine electric contacts and nine of which control the closure of one to nine contacts, respectively, said multicontact relays being controlled nine by a multiplicand key bank and nine by a multiplier key bank, circuits interconnecting said contacts and reversing switches in said circuits for controlling the operation of the accumulator wheels jointly with said relays to cause the entry upon said wheels of partial products of the values set up on said key banks, the right and left-hand components of said products being entered separately under control of said circuits depending on the setting of said reversing switches.

2,260,828
WHEEL
Frederick W. Burger, Niles, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application April 17, 1939, Serial No. 268,174
16 Claims. (Cl. 188—18)



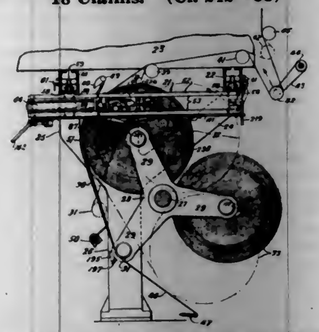
1. In combination, a pair of independently rotatable wheels mounted in side by side relation, axially shiftable plungers in one wheel, a ring having alined axial apertures secured to the other wheel, and means for simultaneously shifting said plungers axially into said apertures to lock said wheels for conjoint rotation.

2,260,829
BOX SUPPORTING DEVICE
George Carlson, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application November 30, 1939, Serial No. 306,909
3 Claims. (Cl. 174—63)



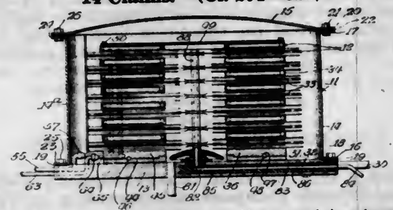
1. In a support for mounting an outlet box on a bar hanger, a stud having means at one end for receiving the bar hanger and a screw-threaded portion at the other end, said stud passing through an opening in the wall of the outlet box with the bar hanger being located on one side of the wall and the threaded end of the stud on the other, the threaded end of the stud being provided with a slot therein separated from the bar hanger receiving means by a solid portion, a clamping member mounted on the threaded end of the stud, said member being so shaped as to fit within the confines of said slot and having portions extending beyond the confines thereof for engaging the said other side of the wall of the outlet box, and a screw mounted in the solid portion of the threaded end of the stud within the slot and engaging the clamping member and being adapted to draw the clamping member into engagement with the said other wall of the box to secure the wall of the outlet box between the bar hanger and the clamping member and to retain the stud in position on the bar hanger.

2,260,830
START-UP DEVICE FOR ROLL CHANGERS
Allan J. Cline, Chicago, Ill.
Application March 9, 1938, Serial No. 194,908
18 Claims. (Cl. 242—58)



14. In a roll changing apparatus for printing presses, a movable support for a plurality of web rolls, means for bringing into engagement a new roll and the web of the roll that is feeding the press, roll engaging means, driving means acting through the medium of said engaging means for imparting a rotative impulse to the new roll, and means controlled by the movement of said engaging means for releasing the same from engagement with the roll shortly prior to the end of the driving stroke.

2,260,831
ELECTRIC OZONE GENERATOR
James M. Daily, Chicago, Ill., assignor to American Ozone Company, Chicago, Ill., a corporation of Illinois
Application March 5, 1936, Serial No. 67,222
14 Claims. (Cl. 204—322)



1. An ozone generating unit comprising in combination a high tension electrode, a grounded electrode spaced from the high tension electrode, a dielectric plate positioned against the inner face of the high tension electrode and in such manner as to form between it and the grounded electrode a combined air passage and spark gap and having the margins thereof extending outwardly of the margins of the high tension electrode, means for supplying high voltage current to the high tension electrode for discharge through the dielectric plate to the grounded electrode in order to form ozone in said combined air passage and spark gap, and separately formed strips of insulating material surrounding the margins of the high tension electrode and fitting flatly against and stuck to the adjoining face portions of the margins of the dielectric plate for preventing a flash-over of the current around said last mentioned margins.

5. In an ozone generator, the combination of a plurality of disk-shaped grounded electrodes positioned in coaxial and spaced relation and having aligned apertures in the central portions thereof forming an elongated chamber, means forming a closed chamber around the grounded electrodes, a plurality of ring-shaped high tension electrodes positioned substantially equidistantly between and in alternate relation with the grounded electrodes and having between them and said grounded electrodes combined air passages and spark gaps leading between the two chambers, means for supplying air under pressure to one of the chambers for passage into said air passages and spark gaps, and means for supplying high voltage current to the high tension electrodes for discharge to the grounded electrodes in order to form ozone in the combined air passages and spark gaps.

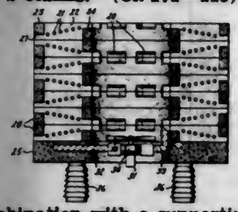
2,260,832
MACHINE FOR MAKING SANDWICHES
Samuel Deutscher, Brooklyn, N. Y.
Application February 6, 1941, Serial No. 377,650
5 Claims. (Cl. 107—1)



1. A machine for making sandwiches comprising a base, a lower board on the base, a plurality of upwardly extending sharp-pointed elements on the board adapted to support bread rolls, an upper board movably supported above the lower board, a plurality of downward extending sharp-pointed elements on the upper board, the upper board being adapted to be moved against the

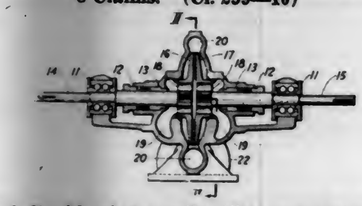
lower board for clamping the rolls between the two boards, a knife blade between the boards, means to movably support the knife blade on the base, the knife being adapted to be moved for cutting the rolls in the middle, the upper portions of the rolls being adapted to remain impaled on the sharp-pointed elements of the upper board when the latter is raised for placing portions of food on the lower portions of the rolls to be covered by the upper roll portions when the upper board is again lowered, and means to remove the rolls from the boards.

2,260,833
COOLING MEANS FOR ELECTRICAL INDUCTION APPARATUS
Ernest A. Elge, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application December 1, 1939, Serial No. 307,066
2 Claims. (Cl. 171—119)



1. In combination with a supporting structure for a reactor winding including a plastic base member, said structure having a ventilating opening extending axially therethrough, a ventilating fan arranged within said opening, a motor for driving said fan comprising a rotor member and a pair of cooperating magnetic stator members, one of said stator members extending into said opening parallel with the axis thereof, the other of said stator members extending radially of said reactor and embedded in said base member.

2,260,834
MIXER
Wilhelm S. Everett, Berkeley, Calif.
Application March 17, 1941, Serial No. 383,682
8 Claims. (Cl. 259—10)



1. A liquid mixer or the like, comprising two coaxial spaced rotors with opposed end faces, a liquid inlet for the space between said rotors, means for driving only one of said rotors, and means for retarding the rotation of the undriven rotor to provide a controlled slip between said rotors due to fluid passing between said rotors, said last named means comprising pump means for supplying liquid to said mixer.

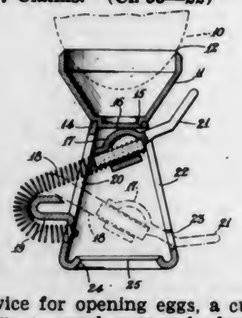
2,260,835
WATCHCASE
Onni M. Haapanen and Toivo J. Kangas, Conneaut, Ohio
Application September 7, 1939, Serial No. 293,746
5 Claims. (Cl. 58—88)

3. A waterproof and dust-proof case of plastic material comprising a cover and base portion, a watch movement of the type having a stem mounted in said base portion, a dial secured to said movement, means for securing said dial to said base portion, said base portion being provided with an aperture adapted to receive said



stem, means for sealing said aperture, said means comprising a resilient plug having a centrally located opening through which the stem is adapted to project and having an annular groove on its exterior surface fitting over the aperture-defining portion of the base portion, and means for sealing said cover to said base portion.

2,260,836
EGG OPENER
Richard Haegele, Villa Park, Ill.
Application May 31, 1939, Serial No. 276,533
7 Claims. (Cl. 65—22)

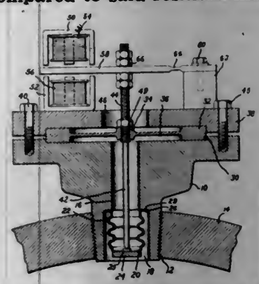


3. In a device for opening eggs, a cup-shaped member having a round open end adapted to receive the end of an egg inserted therein and presenting a continuous circular rim bordering such open end with the edge facing generally axially of the round open end and of a diameter less than the maximum diameter of the egg to be opened, said cup-shaped member being shaped to receive an egg with the egg resting on said circular rim and free of the remainder of the inner walls of such member, and said cup-shaped member embodying a bottom wall opposite said open end of sufficient strength to withstand a sharp blow struck thereon to drive said circular rim against the egg shell to crack the same circumferentially.

2,260,837
PRESSURE MEASURING APPARATUS
Hans P. Kuehni, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 26, 1940, Serial No. 347,711
2 Claims. (Cl. 177—351)

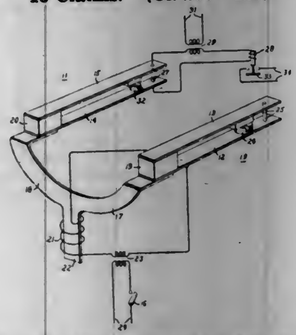
1. In a device responsive to pressure changes of relatively hot fluids, a relatively stiff resilient member adapted to undergo elastic deformation due to applied forces, a flexible member in the form of a bellows having an active pressure

surface and adapted to be mounted in sealed relation over an opening of a pressure chamber and in communication with the gas or liquid the pressure variations of which are to be measured, said bellows being relatively stiff in the transverse direction and having negligible stiffness as compared to said resilient member in an



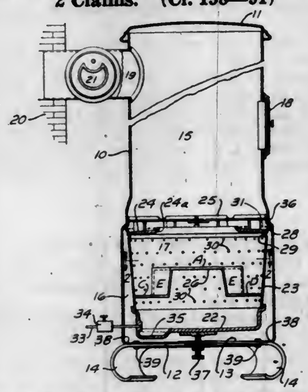
axial direction, and a push rod positioned between said resilient member and said bellows for transmitting the forces applied to the active pressure surface of said bellows to said resilient member, said flexible bellows enclosing the cooperating end of said push rod so as to minimize the transfer of heat from the hot fluids to said push rod and said relatively stiff resilient member.

2,260,838
TIMING DEVICE
Edward E. Lynch, East Hampton, Mass., assignor to General Electric Company, a corporation of New York
Application November 30, 1939, Serial No. 306,919
13 Claims. (Cl. 200—122)



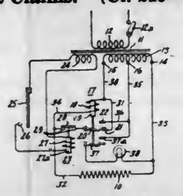
1. A timing device comprising first and second pairs of cooperating bimetallic blades, the blades of each pair being so arranged as to maintain substantially constant relative positions with changes in ambient temperature, each pair of blades having cooperating electrical contacts, a heat conducting support for said pairs of blades, a heater thermally associated with said support and adapted to be controlled by the contacts of said first pair of blades, a first blade of each of said pairs being secured in a heat conductive relationship to said support, said first blade of said first pair being normally in contact making position with respect to its cooperating blade and adapted to be moved to a contact breaking position upon a predetermined amount of heat being conducted thereto from said support, said first blade of said second pair being normally in the open contact position with respect to its cooperating blade and adapted to move to the contact making position upon an amount of heat slightly less than said predetermined amount being conducted thereto through said support.

2,260,839
COMBUSTION APPARATUS
John W. Miller and Vaughn H. Hill, Lansing, Mich., assignors to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application October 14, 1939, Serial No. 299,471
2 Claims. (Cl. 158—91)



1. In a burner of the vaporizing pot type including a bottom wall, a tubular side wall provided with a plurality of vertically and circumferentially spaced apart air inlet apertures, and a fuel inlet opening formed in one of said walls adjacent the side of the burner and below said air inlet apertures, the improvement which comprises baffle means disposed within the burner comprising a plurality of arcuate sections the axial projections of which constitute a centrally apertured annulus, alternate sections being located in vertically spaced horizontal planes with the adjacent ends thereof lying in a substantially common radial plane, and vertical walls of a radial width equal to the radial extent of said baffle sections connecting the adjacent ends of adjacent baffle sections to each other.

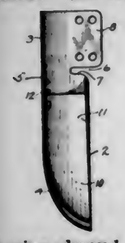
2,260,840
TEMPERATURE CONTROL SYSTEM
Hobart E. Rowe, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application August 19, 1939, Serial No. 291,031
2 Claims. (Cl. 219—20)



1. In a heating circuit, a multi-voltage supply source comprising a common connection, a high voltage connection and a low voltage connection, a control switch for controlling said supply source, an electric heater having first and second terminals, the first heater terminal being connected to said common connection, a two position voltage transfer switch normally

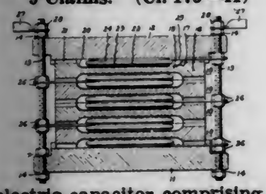
connecting the second heater terminal to said high voltage connection but being movable to a position in which said second heater terminal is connected to said low voltage connection, a normally closed power switch interposed in the connection between said second heater terminal and said transfer switch for controlling the energization of said heater, an operating coil for said transfer switch, said operating coil being connected between said high voltage connection and said second heater terminal whereby when said control switch is initially closed said power switch closes a shunt path disabling said operating coil so that said heater is initially connected to said high voltage connection but when said power switch is opened said operating coil is energized to actuate said transfer switch to a low voltage position so that upon a subsequent closure of said power switch said heater is connected to said low voltage connection, the operating coil being then energized by a circuit completed between said high and low voltage connections.

2,260,841
EXHAUST PIPE DEFLECTOR
Linus E. Russell, Springfield, Ohio, assignor to Peters and Russell, Inc., Springfield, Ohio, a corporation of Ohio
Application August 15, 1939, Serial No. 290,263
4 Claims. (Cl. 138—25)



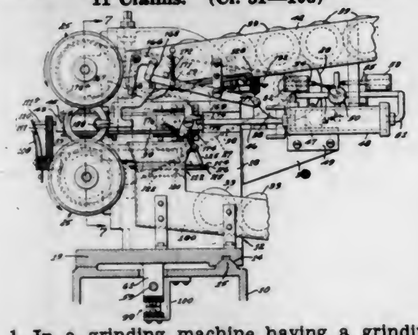
1. An exhaust pipe shroud comprising a head portion the rear terminal of which is closed and open on its bottom, a neck portion in integral axially aligned relation therewith for engagement about the terminal portion of an automobile exhaust pipe, slots of uniform width in the vertical margins of the shroud separating the head and neck portions thereof, and a baffle closed at its rear terminal and open on its bottom secured to the interior of the head portion and extending rearwardly in relative spaced relation to the adjacent margins thereof.

2,260,842
ELECTRIC CAPACITOR
Paul J. Schwarzhaupt, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application December 13, 1939, Serial No. 309,018
9 Claims. (Cl. 175—41)



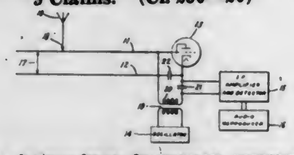
3. An electric capacitor comprising a plurality of electrode carriers, each comprising a rigid dielectric body having a central web portion and a relatively thicker rim portion defining depressions respectively in each of two opposite faces of the carrier, thin metallic electrode coatings of extensive area on the surfaces of said web portions, the carriers being arranged in parallel juxtaposition so that adjacent carriers have electrode coatings in opposed relationship, means for capacitively connecting said coatings in an electric circuit with adjacent coatings of adjacent carriers electrically interconnected, said connecting means including contact elements respectively for said coatings, each of which contact elements is relatively flexible and designed to have extensive area of engagement with its corresponding electrode coating, relatively rigid backing means for said contact elements, and means clamping said carriers, contact elements, and backing means so as to maintain the contact elements in substantially evenly distributed pressure contact with their respective electrode coatings.

2,260,843
CENTERLESS GRINDING MACHINE
Arthur J. Strong, Highland Park, Mich.
Application July 24, 1940, Serial No. 347,109
11 Claims. (Cl. 51—103)



1. In a grinding machine having a grinding means for grinding a surface of a ring member, supporting means for engagement by the outer periphery of the ring member, a holder for holding the ring member in a position for the grinding operation, and a pair of spaced rotatable drive members each having spaced outer peripheral flanges between which the opposite sides of the ring member are engaged to rotate the ring member on its outer periphery on said supporting means.

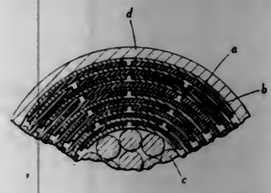
2,260,844
ULTRA HIGH FREQUENCY CONVERTER
Henry P. Thomas, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 12, 1940, Serial No. 323,577
9 Claims. (Cl. 250—20)



1. In a heterodyne frequency conversion circuit, an electron discharge device having a plurality of electrodes, a source of an electric wave, a standing wave line terminated by two of said electrodes and energized by said wave from said source, said line being resonant to said wave,

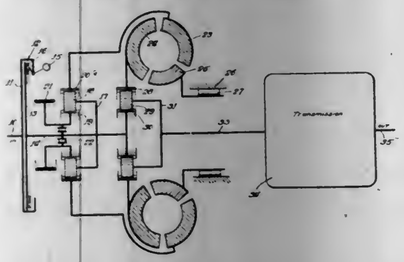
means operative at a lower frequency than said wave for utilizing said wave after conversion in frequency, means for impressing across said two electrodes a second wave of which a harmonic produces modulation products of said lower frequency when heterodyned with said first wave in said device, said harmonic being related in frequency to said first wave so that said line presents a high impedance to said second wave, and means for transmitting said modulation products to said first means.

2,260,845
ELECTRIC CABLE
James Urmston, London, England, assignor to Callender's Cable & Construction Company Limited, London, England, a British company
Application October 11, 1939, Serial No. 299,032
In Great Britain October 19, 1938
6 Claims. (Cl. 174—105)



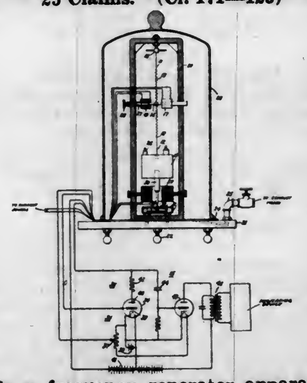
1. An electric cable, comprising a conductor, a laminated body of material surrounding and insulating said conductor and consisting of overlaid helical strips of insulating and conducting material forming coaxial layers arranged alternately, each conducting strip being isolated from the adjacent conducting strips and the edges of the conducting strips lying between and being shrouded by insulating strips.

2,260,846
TRANSMISSION
Charles F. Voytech, Chicago, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application May 11, 1940, Serial No. 334,497
7 Claims. (Cl. 74—189.5)



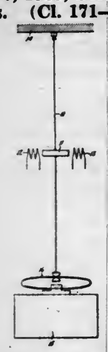
1. A transmission comprising a drive shaft, a driven shaft, an infinitely variable speed ratio changing device, overspeed gearing connected to the drive shaft and to the input to the infinitely variable speed ratio changing device, differential gearing, and means connecting the differential gearing to the driving and driven shafts, said differential gearing having at least three elements, the output of the speed ratio changing device being connected to one of said elements.

2,260,847
VIBRATORY FREQUENCY STANDARD
Henry E. Warren, Ashland, Mass., assignor to Warren Telechron Company, a corporation of Maine
Application May 27, 1938, Serial No. 210,492
25 Claims. (Cl. 171—123)



11. In a frequency generator apparatus comprising a vibrator device, a utilization circuit, and electrical means to drive said vibrator device and to couple said vibrator device to said utilization circuit, a vibrating string for said vibrator device composed of a plurality of elements in tandem, one of said elements having a temperature coefficient of elasticity opposite in sign to that of the temperature coefficient of elasticity of the remainder of said elements, and adjustable means to tension said string.

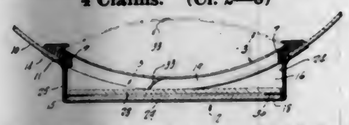
2,260,848
VIBRATORY FREQUENCY STANDARD
Henry E. Warren, Ashland, Mass., assignor to Warren Telechron Company, Ashland, Mass., a corporation of Maine
Application July 7, 1939, Serial No. 283,205
6 Claims. (Cl. 171—123)



5. In a frequency standard apparatus, a vibratory member, a support for one end thereof, a weight to tension said member axially connected thereto at the other end thereof, and means to vibrate said member between said support and said weight, said means being operatively associated therewith at a point intermediate the ends thereof, said vibratory member having a constant rate of vibration at a predetermined temperature thereof, said vibratory member having a temperature coefficient of length expansion and a temperature coefficient of its elastic modulus and

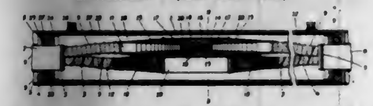
which are of such values as to reduce in amount changes in its rate of vibration produced by temperature variation of said member whereby deviation of the vibration rate of said vibratory member from said constant rate due to deviation of the temperature of said vibratory member from said predetermined temperature is reduced.

2,260,849
FILTER GLASS HOLDER
Frederick M. Bowers, Chester, Pa.
Application March 16, 1939, Serial No. 262,096
4 Claims. (Cl. 2—8)



4. In a welding helmet, a shield having a window opening, a metallic filter glass retaining frame having a base engaging the outside margin of said window opening, a frame anchoring part of insulating material having a base engaging the inside margin of said window opening and a flange extending into and lining said window opening, and metallic connecting members having one end embedded in and bonded to said anchoring frame with the other end extending through said window opening and welded to said retaining frame to clamp the margin of said window opening between said bases.

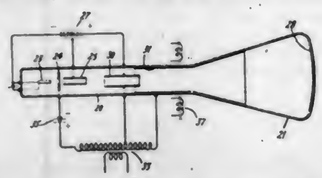
2,260,850
JOINT FOR ELECTRIC CABLES
Leslie Giddens Brazier and Douglas Taft Hollingsworth, London, England, assignors to Callender's Cable & Construction Company Limited, London, England, a British company
Application April 23, 1940, Serial No. 331,130
In Great Britain May 4, 1939
1 Claim. (Cl. 138—26)



A joint for an electric cable consisting of at least two impermeable sheaths adapted to contain a gas under pressure, said joint having a deformable gas-tight inner enclosure surrounding the adjacent ends of the two sheaths and communicating therewith, whereby the compressed gas in the said enclosure acts upon a deformable part thereof, an outer rigid enclosure surrounding the inner enclosure and spaced therefrom and a sealing compound filling the space between the two enclosures, expansion of the compound forcing the deformable part of the inner enclosure inwards, the latter being forced outwards again under the gas pressure when the compound contracts.

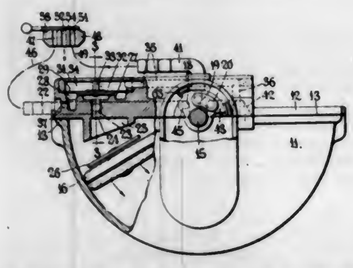
2,260,851
ELECTRON LENS FOR ELECTRIC DISCHARGE TUBES
Ernst Brüche, Berlin-Reinickendorf, Germany, assignor to General Electric Company, a corporation of New York
Application June 28, 1938, Serial No. 216,368
In Germany July 7, 1937

1. In a cathode ray tube, means for producing a beam of electrons and an electron lens system which possesses utility mainly by virtue of its ability to control the lateral dimensions of the beam, said lens system comprising a pair of mutually spaced apertured electrodes arranged to be successively traversed by the beam, means for



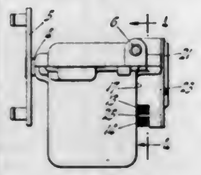
applying a potential between the electrodes and for periodically reversing such potential to produce an alternating lens field between said electrodes, and means for causing electrons to pass through said lens field only during periods which include an instant of potential reversal.

2,260,852
WINDSHIELD CLEANER MOTOR
Louis Buchmann, Buffalo, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application April 6, 1940, Serial No. 328,307
13 Claims. (Cl. 121—150)



2. A motor having a chamber and reciprocating piston means therein, automatic valve means for alternately applying differential pressures to one side of the chamber and for alternately applying one of said pressures to the other side of the chamber, and other valve means for alternately applying the other of said pressures to said other side of the chamber, said other valve means being responsive to the pressure on said one side of the chamber.

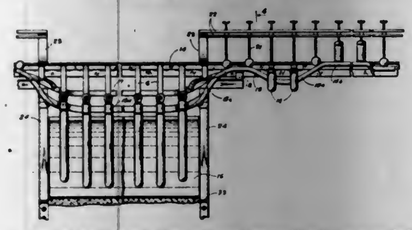
2,260,853
FLUID MOTOR
Henry C. Hueber, Snyder, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application November 13, 1940, Serial No. 365,493
9 Claims. (Cl. 121—1)



1. A fluid operated windshield cleaner motor

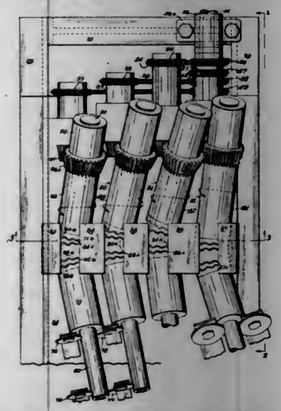
having a body with an exteriorly provided valve compartment the floor of which has one portion offset outwardly from the exterior wall of the motor body to overhang the same in spaced relation and form therewith a chamber separated from the compartment by a partition, the partition having an air opening, and an air filter body disposed in the chamber to filter the inflowing air.

2,260,854
DIPPING AND DISTRIBUTING APPARATUS
Edward S. Killian, Akron, Ohio, assignor to Frank B. Killian & Company, Akron, Ohio, a partnership composed of Frank B. Killian, James Tyrrell, trustee, and P. H. Stevens
Application November 18, 1939, Serial No. 305,099
6 Claims. (Cl. 18—24)



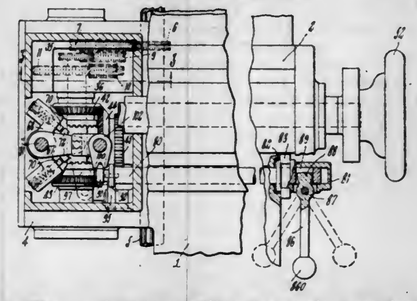
1. Apparatus of the class described comprising an endless conveyor, a flexible member attached at one end thereto and normally projecting laterally therefrom, a form carrier non-rotatably attached to the other end of said member, a form rotatable on said carrier, and means cooperating with said flexible member to flex the latter as it is moved by the conveyor and thereby to vary the angularity of the form.

2,260,855
POULTRY PLUCKER
John W. Kittredge, New York, N. Y., assignor to Mechanical Plucker Corporation, New York, N. Y., a corporation of New York
Application June 17, 1938, Serial No. 214,196
9 Claims. (Cl. 17—11.1)



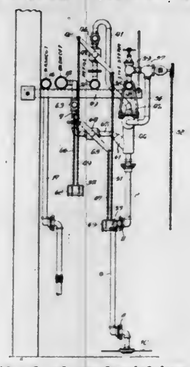
1. A plucking device comprising turnable frusto-conical members mounted to have line rolling-contact, the adjacent surfaces of said members having longitudinal corrugations, the hills of the corrugations of one member consecutively abutting the bottoms of the grooves of associated corrugations of the other member when said members are turned in unison, each hill having a lateral wall and each groove having a lateral wall, the lateral wall of each hill being spaced from the lateral wall of the associated groove when each hill abuts the bottom of the respective groove.

2,260,856
RAPID TRAVERSE MECHANISM FOR CARRIAGES AND CROSS SLIDES
John E. Lovely, Springfield, Vt., assignor to Jones & Lamson Machine Company, Springfield, Vt., a corporation of Vermont
Application July 25, 1939, Serial No. 286,364
7 Claims. (Cl. 82—21)



1. The combination with a traversing carriage, a cross slide on said carriage, a power shaft, driving connections from said shaft to said cross slide including reversing mechanism, and driving connections from said shaft to said carriage including reversing mechanism, of control mechanism for said connections, including a member mounted for motion in two directions, and operative connections from said member to said reversing mechanisms causing motion of said member in one of said directions to effect the reversing mechanism for said carriage and in the other direction to effect the reversing mechanism for said cross slide.

2,260,857
BOILER REPLENISHING SYSTEM
Frank W. Miller, Chicago, Ill., assignor to Franclare Company, Chicago, Ill., a corporation of Illinois
Application September 30, 1937, Serial No. 166,509
6 Claims. (Cl. 122—396)



1. The method of replenishing a steam boiler

with superheated water productive of a substantial steam pressure therein when a predetermined water level in the boiler has been attained, which consists in producing a water pressure outside the boiler greater than the pressure within the boiler, converting the pressure head of said water into velocity head at a level higher than the water level in the boiler, delivering steam from a source independent of the boiler and under lower pressure than the water, to the locus of conversion of the water from pressure to velocity head to thereby superheat said water, reconverting the velocity head of the superheated water into pressure head, and delivering said superheated water under pressure into the lower portion of the boiler.

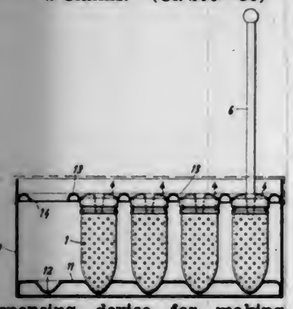
2,260,858

DISPENSING DEVICE FOR MAKING AROMATIC BEVERAGES

Hans Naef, Zurich, Switzerland

Application July 11, 1939, Serial No. 283,869

2 Claims. (Cl. 206—56)



1. Dispensing device for making aromatic beverages comprising a plurality of relatively small containers adapted to be immersed in hot water and to be filled with tea or other basic aromatic ingredient and having wall portions provided with passage means for hot water to enter and leave the inside of said containers, a relatively large container for storing said relatively small containers, said large container comprising grate-like holding means having a plurality of opening, said small containers having portions tightly fitting into said openings and having a surface substantially flush with the surface of said holding means when said small containers are inserted in said openings, a holder member for individually holding one of said small containers, said holder member having an end provided with connecting means, said small containers having female connecting means corresponding to and adapted to temporarily cooperate with the connecting means of said holder member for temporarily connecting said holder member with only one of said small containers and removing the small container with which it is connected from said holding means and from said large container.

2,260,859

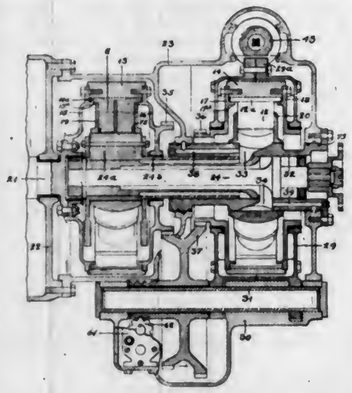
HYDRAULIC TRANSMISSION

Alfons H. Neuland, Irvington, N. J.

Application October 15, 1938, Serial No. 235,286

15 Claims. (Cl. 60—53)

15. In a fluid transmission having a pair of fluid displacement units, a shaft made up of a plurality of elements for conducting fluid between said units including an outer sleeve element, an intermediate sleeve element and a central element shaped and assembled to form an eccentric portion, a pair of oppositely arranged ports in the outer periphery of said eccentric portion as-



sociated with one displacement unit, and an annular duct for each of said ports extending axially and into said second displacement unit.

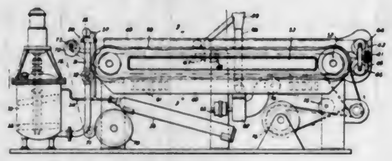
2,260,860

APPARATUS FOR HANDLING STRANDS

Edwin E. Newton, Montreal, Quebec, Cyril A. Peachey, Ville La Salle, Quebec, and Frederick R. Reevely, St. Lambert, Quebec, Canada, assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Original application May 21, 1938, Serial No. 209,396. Divided and this application September 15, 1939, Serial No. 295,024

4 Claims. (Cl. 91—55)



1. An apparatus for coating strands which apparatus comprises an applicator having a chamber through which a strand to be coated may pass, means to supply highly viscous pasty coating material, comprising a solid and a solvent, to the chamber and to maintain the material in the chamber under pressure, means in the chamber to control the thickness of the coating of material on the strand emerging from the chamber, in combination with coating treating means having a first treating chamber through which the raw coated strand passes from the applicator chamber, said treating chamber being of sufficient length to evaporate a major portion of the solvent, means to pass a gaseous treating medium through the first treating chamber at room temperature, a second treating chamber through which the coated strand passes from the first treating chamber, and means to pass a gaseous treating medium through the second treating chamber at a raised temperature, the said second treating chamber being of sufficient length to harden the coating.

2,260,861

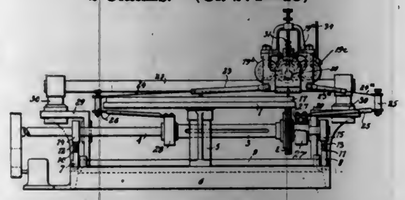
SOUND RECORDING AND REPRODUCING DEVICE

Carl Wilhelm Nystrom, deceased, late of Karlstad, Sweden, by Henrik Fabian Stenman, administrator, Karlstad, Sweden

Application November 13, 1937, Serial No. 174,463

In Sweden July 6, 1937

2 Claims. (Cl. 274—13)



2. In a device of the character described, the combination comprising reproducing means, a fixed, straight, guide rail, a roller rollable along said rail, a frame supported by said roller and carrying said reproducing means, a turntable, driving means for said turntable and movable along a substantially straight line, and means connecting the forward and rearward parts of said driving means in the direction of said line with the forward and rearward parts of said frame and transmitting motion from said driving means to said frame and extending around opposite sides of said turntable.

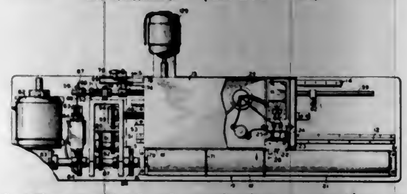
2,260,862

METHOD OF AND APPARATUS FOR PREPARING FACSIMILE MASTER COPIES

Frederic L. O'Brien and Phillip H. Estes, Rutherford, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Application July 12, 1939, Serial No. 283,954

12 Claims. (Cl. 178—6.6)



1. The method of producing a master copy of a picture, drawing, or other subject matter, comprising the derivation of electrical variations from said subject matter, causing the electrical variations to control the operations of a copying instrumentality, causing the copying instrumentality to contact the record sheet in accordance with said variations only when the signal level of said variations equals or exceeds a predetermined minimum value, and limiting the maximum pressure exerted by said instrumentality on said record sheet notwithstanding that the signal level of said variations exceeds a predetermined maximum value.

2,260,863

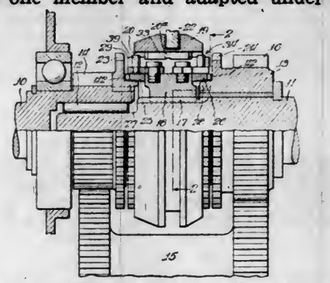
TRANSMISSION SYNCHRONIZER

Palmer Orr, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Application June 8, 1940, Serial No. 339,463

7 Claims. (Cl. 192—53)

1. In a synchronizing transmission, a pair of torque transmitting members to be synchronized, a jaw clutch element drivingly connected to and axially shiftable relative to one of said members into positive driving connection with a jaw clutch element drivingly connected to the other member, a synchronizer element drivingly connected to said one member and adapted under axial



pressure to establish a frictional synchronizing connection with said other member and an element pivoted to said one member and carrying blocking means, said element being associated with said synchronizer element so as to be moved thereby, when said members are rotating asynchronously, to a position blocking axial advance of said positive clutch element.

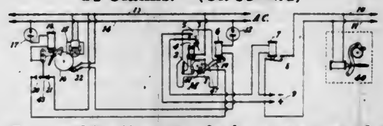
2,260,864

TIME CONTROLLED SYSTEM

Ernest S. Ostler and Adolph L. Denniston, Park Ridge, and Clyde S. Richardson, Harvey, Ill., assignors, by mesne assignments, to General Time Instruments Corporation, New York, N. Y., a corporation of Delaware

Application October 13, 1934, Serial No. 748,178

14 Claims. (Cl. 58—24)



1. In combination, a clock, a source of frequency regulated alternating current and a synchronous motor operated thereby, means controlled by said motor for periodically synchronizing said clock, and means controlled by said clock and operative only after current has been restored following an interruption in current from said source for synchronizing said motor-controlled synchronizing means.

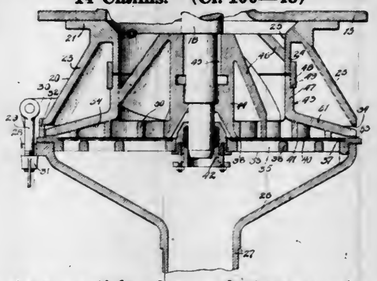
2,260,865

APPARATUS FOR THE EXTRACTION OF JUICES

Helge O. Peterson, Chicago, Ill.

Application March 30, 1938, Serial No. 198,878

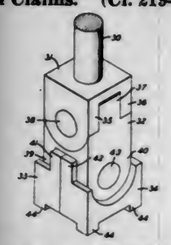
14 Claims. (Cl. 100—48)



1. As an article of manufacture, a rotor ele-

ment comprising a tubular shell structure defining a tubular body portion of substantially uniform diameter, a flared tubular portion at one end of the body portion, vanes in the body portion adapted to move a material disposed therein in an axial direction through the tubular body portion towards the flared tubular portion, and vanes in the flared portion forming continuations of said first vanes and adapted to move the material delivered thereto outwardly away from the axis of the flared portion.

2,260,866
WELDING APPARATUS
Raymond E. Powell, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 10, 1940, Serial No. 334,323
4 Claims. (Cl. 219—4)



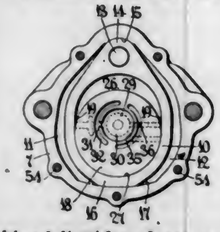
1. An electrode for a resistance welding apparatus and adapted to simultaneously transmit mechanical welding pressure and electrical welding current and which comprises three metallic members in sequence, and means to link each member to the next to have pivotable freedom of motion with respect thereto, each linkage means serving to simultaneously transmit mechanical welding pressure and electrical welding current between the members linked thereby.

2,260,867
PUMP
Anton Rappl, Eggertsville, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application July 19, 1938, Serial No. 219,965
15 Claims. (Cl. 103—4)



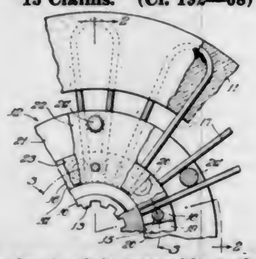
1. A pump having a piston of cylindrical cross section and eccentrically mounted for rotation, a member having a substantially elliptically shaped inner wall surrounding said piston and pivotally mounted at a point spaced from the center of rotation of said piston, said member having a transverse interior dimension substantially equal to the diameter of said piston and a greater longitudinal dimension whereby rotation of said piston will oscillate said member and said piston will alternately occupy and vacate the excess space in said member at the ends thereof for fluid pumping action, and a casing surrounding said member, said casing having an interior longitudinal dimension substantially equal to the exterior longitudinal dimension of said member and an interior transverse dimension greater than the exterior transverse dimension of said member, said member constituting and serving as an oscillatory piston whereby as said first piston is rotated the eccentric portion thereof in addition to pumping fluid will oscillate the second piston within the casing for fluid pumping action, and inlet and outlet means for the fluid displacing actions of both pistons.

2,260,868
PUMP FOR ACCESSORY SYSTEMS
Anton Rappl, Eggertsville, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application July 23, 1938, Serial No. 220,939
6 Claims. (Cl. 103—4)



1. A combined liquid and gas pump unit comprising a chambered casing having gas inlet and outlet ports and liquid inlet and outlet ports separate and distinct from the gas ports, a piston reciprocable in the casing chamber between the end walls thereof for pumping one of the fluids and itself formed with an elongated chamber with its longitudinal dimension extending transversely to the path of reciprocation of the piston, a rotary piston mounted in the second chamber, the latter having opposing bearing surfaces engageable by the periphery of the rotary piston, means mounting the rotary piston for eccentric movement whereby its periphery will pump the other fluid and also act as a cam on the bearing surfaces to motivate the first piston in its fluid displacing movement, and means operable by and during movement of the rotary piston for operatively connecting the gas ports to one chamber and the liquid ports to the other chamber.

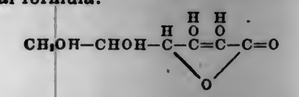
2,260,869
FRICTION CLUTCH PLATE
Carl A. Ruesenberg, Rockford, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application March 29, 1939, Serial No. 264,685
13 Claims. (Cl. 192—68)



6. In a clutch plate assembly including a hub member and a friction facing member separated from said hub member by an annular space, a plurality of wire spokes of substantially equal resiliency both circumferentially and axially, traversing said space and connecting said hub to said facing member, said spokes functioning to support the facings on the hub, to transmit torque between the facings and hub with torsional cushioning action, and being adapted to yield axially to permit the facings to adjust themselves to the friction faces of the clutch driving members.

2,260,870
MEDICINAL PREPARATION
Simon L. Ruskin, New York, N. Y.
No Drawing. Application September 26, 1934, Serial No. 745,527
1 Claim. (Cl. 260—344)

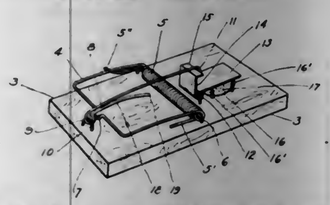
As a new therapeutic agent adapted to be administered internally, a manganese compound of the organic acid corresponding to the following structural formula:



2,260,871
SELF-FLOCCULATING DISPERSIBLE PIGMENTS AND PROCESS OF MAKING THE SAME
Roscoe H. Sawyer, Christiana, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 14, 1939, Serial No. 256,388
13 Claims. (Cl. 106—294)

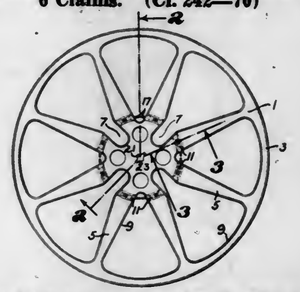
1. In a process for producing improved pigment materials which disperse easily in water and which on subsequent standing are coagulated in water to form soft bulky flocculates the steps which comprise adding a substantially dry metallic salt of a polyvalent metal to a substantially dry water dispersible pigment, said salt having a solubility in the range of from about 0.003 gram equivalent to about 0.5 gram equivalent of metallic ion per liter of water, and thereafter mixing, while the aforementioned pigment and salt are still in the dry state, to obtain uniform distribution.

2,260,872
ANIMAL TRAP
Theodore R. H. Schmidt, Forks, Wash.
Application June 10, 1941, Serial No. 397,392
3 Claims. (Cl. 43—81)



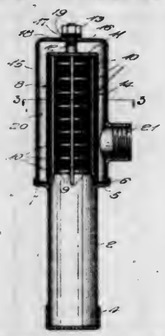
1. In a trap of the class described, comprising a base, an animal engaging spring jaw, a right angled bend in the center of the jaw to provide a stabilizing bed for an arm and retaining bar across the jaw, a bar for retaining the jaw normally retracted against the spring, and pivotally connected to the base at one end, a downwardly and backwardly turned hook on the other end of the bar, a trigger pivotally connected to the base with a forwardly turned lip for engaging the hook to retain the bar across the jaw when set, a lever projected horizontally forward from the trigger and adapted to be raised by the head of an animal, means for retaining bait beneath the lever in spaced relation therefrom for attracting animals, an arm attached at one end thereof to the pivoted end of the bar, and curved forwardly and downwardly away from the bar, and adapted to carry the bar and hook free from the jaw and path of travel thereof when the lip is withdrawn from the hook by the lever.

2,260,873
FILM REEL
Clifton R. Skinner, San Francisco, Calif.
Application October 23, 1939, Serial No. 300,688
6 Claims. (Cl. 242—70)



1. A reel for strip material such as motion picture film, comprising a pair of spoked side members of sheet material, the spokes being arranged in pairs with deeper interstices between the pairs than between the members of a pair, and each spoke being provided with an inwardly projecting boss, and a central core connecting said side members and comprising a plurality of segments each comprising a central U-shaped portion whose contour conforms substantially to the interstice between the pairs of spokes and wings of arcuate contour extending from the ends of the arms of the central portion and fixed to the bosses of the spokes of adjacent pairs.

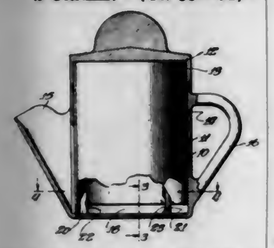
2,260,874
FILTER
Jess L. Van Pelt, Rosalia, Wash.
Application December 4, 1939, Serial No. 307,513
6 Claims. (Cl. 210—165)



1. A filter of the character described comprising a shell having an inlet, a tubular outlet neck extending into said shell and provided with an outstanding annular flange engaging the lower end of the shell and constituting a bottom for the shell, a cylindrical filtering member in

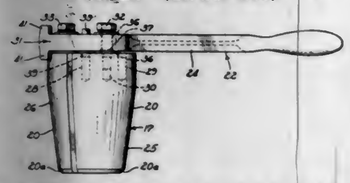
said shell spaced from walls thereof, the filtering member being of rigid construction and having its lower end secured about the upper end of said neck, a head for the upper end of the filtering member having a threaded stem carried thereby and extending upwardly therefrom through the top of said shell, and a securing nut carried by said stem and engaging the top of the shell to force the shell downwardly and firmly hold the shell seated against the flange.

2,260,875
CAN SERVER
Anthony H. Vranichar, Joliet, Ill.
Application May 3, 1939, Serial No. 271,443
2 Claims. (Cl. 65—61)



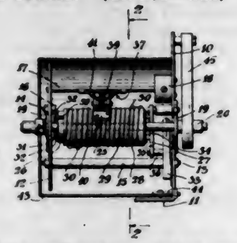
1. A device of the class described comprising a can container provided with can supporting ledges around the bottom of the sides thereof and a spout leading from the space between said ledges; a can penetrating prong in the form of a tube having its upper end sharpened and also having a notch in its side spanning the bottom of a penetrated can, and positioned in the bottom of the container adjacent said spout and adapted and arranged to permit discharge of liquid from the bottom of a can into said spout; and another can penetrating prong in the form of a tube having its upper end sharpened and also having a notch in its side spanning the bottom of a penetrated can and positioned at a point diametrically opposite said first mentioned prong.

2,260,876
SLIP TOOL
Edmond M. Wagner, San Marino, Calif., assignor to Kobe, Inc., Huntington Park, Calif., a corporation of California
Application July 15, 1940, Serial No. 345,599
1 Claim. (Cl. 24—263)



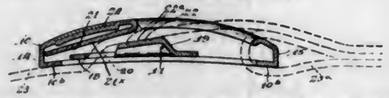
In a slip holding device adapted to hold a slip, the combination of: a relatively long handle having a substantially arcuate flat head; means for loosely connecting said head to a pair of slips so as to provide an articulated connection between said slips and between said slips and said head; and stop means on said head for limiting movement of said slips relative to each other and relative to said head, said stop means including a first lug projecting upwardly from said head and a second lug projecting downwardly from said head, said second lug being adapted to engage one of said slips, said handle being reversible so as to permit said first lug to engage said one of said slips.

2,260,877
TUNING DEVICE
Paul Ware, West Orange, N. J.
Application June 26, 1939, Serial No. 281,203
4 Claims. (Cl. 171—242)



1. A variable inductance device comprising a substantially cylindrical insulating form and a bare helical conductive coil wound thereon, means supporting said form for rotation about its axis, a pair of parallel metal rods spaced from said form and parallel to the axis thereof, both of said rods being on the same side of a plane through the axis of said form, and a moving contactor carriage interposed between said rods and the side of said form, said carriage comprising a frame, insulating means thereon movably engaging one of said rods, a spring thereon slidably engaging the other of said rods, an insulating wheel thereon rolling on said form along the conductor thereon and a resilient contact thereon sliding on said coil along the conductor thereof.

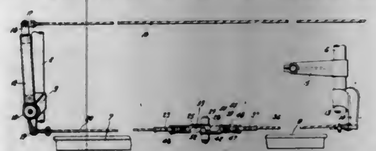
2,260,878
INSERT FOR BUCKLES AND THE LIKE
Paul W. White, Waterbury, Conn., assignor to Parva Products Company, Chicago, Ill., a corporation of Delaware
Original application September 30, 1937, Serial No. 166,471. Divided and this application February 23, 1939, Serial No. 257,878
1 Claim. (Cl. 40—140)



In a buckle comprising a metal frame having a depression in the face thereof, an insert of resilient material and of substantially the contour of said depression for fitting therein, said insert having an opening therethrough and being adapted to hold indicia in said depression in position to be viewed through said opening, said frame having apertures in opposed side walls bounding said depression, and projections on said inserts extending beyond the confines thereof for engaging said apertures to prevent displacement of said insert from said depression.

2,260,879
BRAKE RIGGING
Alfred O. Williams, Battle Creek, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application December 13, 1939, Serial No. 308,917
5 Claims. (Cl. 188—50)

1. A brake rigging for a rail car truck including a pair of brake cross shafts, arms thereon, flexible tension means between said arms, said tension means including a pair of coaxially pivoted levers carried by the truck and connected into said tension means intermediate the ends thereof, said levers having interengaging abut-



ment means for transferring tension through said tension means upon relative pivotal movement away from each other and having lost motion for taking up slack upon release of said tension, and spring means biased betwen said levers for normally urging said levers toward each other to take up said slack.

2,260,880
COATING COMPOSITION
Arthur E. Bartlett, Haddonfield, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 23, 1939, Serial No. 275,267
3 Claims. (Cl. 106—241)

1. A coating composition resistant to gelling comprising zinc oxide, a small amount of an organic silicate, and a film-forming material which contains sufficient free acid radical to be reactive toward zinc oxide and to normally cause gelling in the film-forming material, the film-forming material in said composition consisting essentially of a substance selected from the class consisting of drying glyceride oils, resins, and resin acids derived from natural resins.

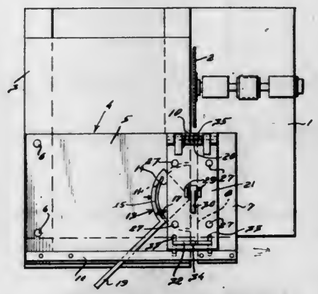
2,260,881
PROCESS FOR THE RECOVERY OF HYDROCYANIC ACID
Helmut Beier, Frankfort-on-the-Main, Germany, assignor to Deutsche Gold und Silber Scheideanstalt, Frankfort-on-the-Main, Germany, a corporation of Germany
No Drawing. Application September 23, 1938, Serial No. 231,327. In Germany April 11, 1938
4 Claims. (Cl. 204—103)

2. A process for the production of hydrocyanic acid comprising electrolyzing an aqueous solution of an alkali thiocyanate containing less than about 0.6 normal alkali thiocyanate, while heating said solution to a temperature ranging from substantially above that resulting from the passage of the electric current through the solution to the boiling point of said solution, and while maintaining the reactants in intimate contact.

2,260,882
WALL PROTECTIVE COATING
Elmer G. Berg, Chicago, Ill., assignor of forty per cent to Robert Hoffman, Chicago, Ill.
No Drawing. Application February 15, 1939, Serial No. 256,493
7 Claims. (Cl. 134—46)

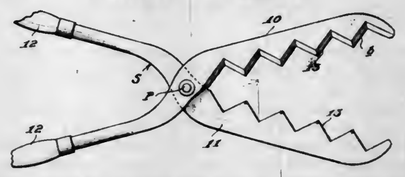
3. A wall coating composition comprising of from 1 to 12 parts of bentonite, ½ to 1 part of gum and the balance water, characterized in its dried state by substantial transparency and ready water solubility.

2,260,883
ANGLE GAUGE FOR PRINTERS' SAWS
Theodore M. Castle, Geneva, Ill.
Application November 22, 1940, Serial No. 366,741
3 Claims. (Cl. 29—69)



1. An angle gauge for printers' saws comprising a base structure having a slot therein for the reception of a saw, a member hingedly mounted for swinging movement in a vertical plane on said base structure, a clamping jaw mounted on said member and slidable toward and away from same, said jaw, when in operative position, being engageable with the material for holding said material on both sides of the slot, and means on the member for moving the jaw into clamping engagement with the material.

2,260,884
SHEARS
Owen K. Clinton, Pasadena, Calif.
Application August 21, 1940, Serial No. 353,581
2 Claims. (Cl. 30—254)

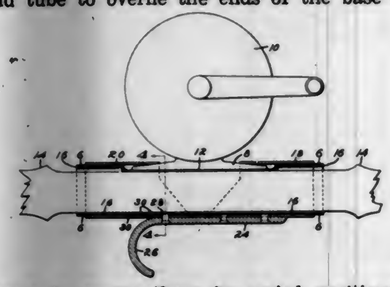


1. A shears comprising a pair of pivoted blades, triangular teeth on adjacent edges of the blades, the teeth being bevelled on the outer faces thereof providing angular cutting edges with the adjacent sides of the blades plane for frictional shearing engagement, the teeth being equally spaced lengthwise of the blades for contact of the apices of the teeth in the closing movement of the blades, and convex surfaces on the apices adjacent the said plane sides to prevent interlocking or jamming of the blades and assure proper cutting action irrespective of misalinement of the teeth.

2,260,885
MOUNTING FOR FISHING REELS
Wilton B. Crosby, Barnstable, Mass.
Application April 17, 1940, Serial No. 330,086
5 Claims. (Cl. 43—22)

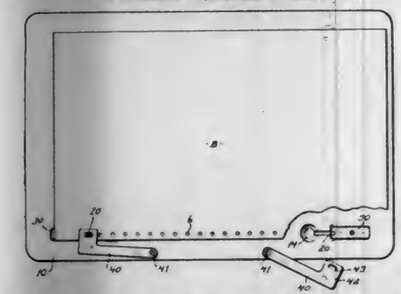
1. A self-contained detachable reel mounting comprising a split tube to embrace the major segment of a rod and having located circumferentially remote from the split a seat for the base of a reel constructed and arranged to position such base in a predetermined location on

the tube, and a pair of sleeves telescoping on said tube to overlie the ends of the base and



means to secure them in varied positions of proximity.

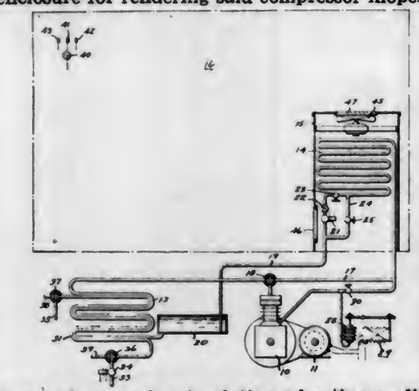
2,260,886
LOOSE-LEAF HOLDER
William A. Daley, Cleveland, Ohio, assignor to The W. S. Gilkey Printing Company, Cleveland, Ohio, a corporation of Ohio
Application January 21, 1941, Serial No. 375,222
1 Claim. (Cl. 129—21)



A loose-leaf holder comprising a platen adapted to receive superposed sheets thereon, said platen having a recess adjacent one edge thereof, a shiftable pin carried by the platen to engage through apertures in the sheets and to hold them in position on the platen, said pin having a head and shank which are adapted to occupy said recess when the pin is turned down, whereby the pin lies substantially flush with the top surface of the platen, and the head of the pin being adapted to occupy the recess when the shank projects substantially at right angles to the platen for the purpose of receiving the superposed sheets, a spring device also mounted in said recess and lying substantially flush with the top surface of the platen, said device having an end thereof engaging the head of the pin so as to hold it either in lowered or upright position, and said recess extending beyond and underneath the end of the pin to afford access for lifting the pin into upright position.

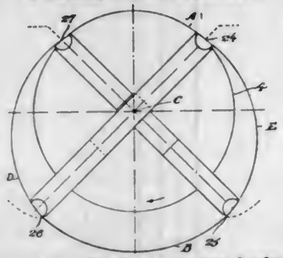
2,260,887
AIR CONDITIONER
Don E. Dasher, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application October 28, 1936, Serial No. 108,025
2 Claims. (Cl. 257—3)

1. In a combination adapted for conditioning air for an enclosure, apparatus for conditioning air for said enclosure comprising a compressor and a plurality of heat exchange units connected in fluid flow relationship, means responsive to the psychrometric condition of the air outside said enclosure for rendering said compressor inopera-



tive, and means for circulating a heating medium in thermal exchange relationship with one of said units while said compressor is inoperative.

2,260,888
PUMP
Walwin L. Davis, Avon, Ohio
Application June 23, 1939, Serial No. 280,828
3 Claims. (Cl. 103—138)

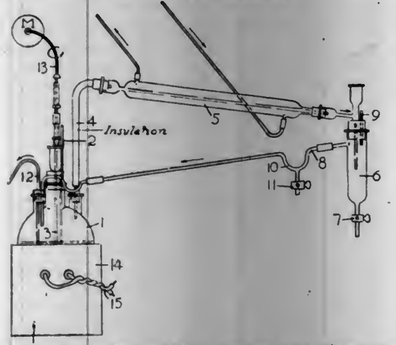


1. A pump comprising a pump body having a cavity formed therein and provided with an inlet port and an outlet port, a rotor rotatably mounted in said cavity eccentrically thereof, not more than two blades extending diametrically through the rotor and having a working fit with the walls of said cavity and dividing the same into a plurality of working chambers, said cavity having a cross section made up of two concentric circular arcs of different radii each less than a semi-circle and two adjoining curved sections which are complementary portions of an Archimedean spiral of common foci, the ends of said curved sections being each approximately but not exactly tangent to said circular arcs at the points of their intersection whereby each of said blades as it travels over the non-circular portion of the cavity will slide through said rotor a uniform distance for each degree of rotation of said rotor, said rotor fitting the circular arc of lesser radius.

2,260,889
COATING COMPOSITION
Howard G. Donovan, Stelton, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 17, 1939, Serial No. 268,383
2 Claims. (Cl. 260—16)

2. A scratch-resistant cellulose nitrate coating composition adapted for finishing wood surfaces comprising cellulose nitrate, a modified glyceryl phthalate resin the modifying agent of which consists essentially of about 45% of completely hydrogenated castor oil, and a plasticizer, in the proportion by weight of about 10 parts of cellulose nitrate, 10 parts of said resin and 4 parts of plasticizer.

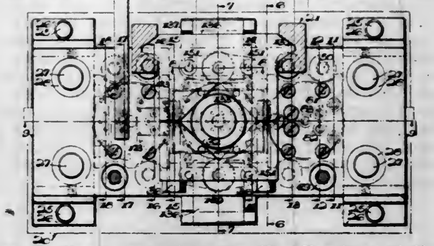
2,260,890
METHOD OF PREPARING RESINOUS COMPOSITIONS
Donald E. Edgar, Philadelphia, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application December 8, 1939, Serial No. 308,190
1 Claim. (Cl. 260—70)



In a process for making resins the steps comprising heating in the presence of a catalyst a reaction mixture consisting essentially of a monohydric aliphatic alcohol and the reaction product of urea and formaldehyde, distilling and condensing the mixed vapors of alcohol and water evolved, separating the water from the condensate and returning the alcohol from which the water has been separated to said reaction mixture, adding urea to said mixture before completion of the resin-forming reaction, and after about 50% to 98% of the total water has been separated from the reaction mixture, said urea being added in amount from 2% to 10% of the dimethylol urea represented by said reaction product of urea and formaldehyde, and then completing the resin-forming reaction by continuing said heating with separation of water and return of alcohol to the reaction mixture until substantially two molecules of water for each molecule of combined urea are eliminated and a product is obtained which contains an amount of combined monohydric alcohol equivalent to from one-half to about one molecule of alcohol for each molecule of combined urea.

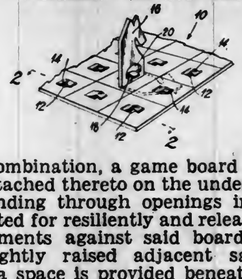
2,260,891
APPARATUS FOR PRODUCING EYELETS
John W. Ekstedt and Kenneth W. Ekstedt, Union, N. J., assignors to General Eyelet Supply Company, Inc., Roselle Park, N. J., a corporation of New Jersey
Application February 6, 1940, Serial No. 317,604
24 Claims. (Cl. 113—40)

1. In a machine for forming eyelets from a strip which can be drawn comprising, means to guide and feed the strip longitudinally, means to slit the strip inwardly of the notches, a plurality of drawing punches to act in succession upon the same portions of the strip which are adjacent to the slits, a stripper for the drawing punches, yielding means to move the stripper toward the free ends of the punches, a corresponding num-



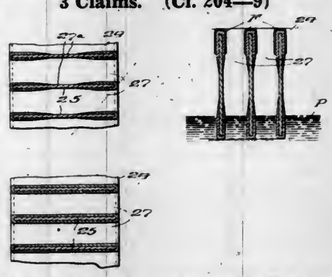
ber of dies, means to move the dies toward the punches, and means to reduce the strength of the yielding means when the dies move toward the punches.

2,260,892
GAME BOARD AND APPARATUS FOR USE IN CONNECTION THEREWITH
Mitchell W. Erie, New York, N. Y.
Application September 8, 1938, Serial No. 228,887
4 Claims. (Cl. 273—136)



1. In combination, a game board and resilient means attached thereto on the under side thereof and extending through openings in said board and adapted for resiliently and releasably holding game elements against said board, said board being slightly raised adjacent said openings whereby a space is provided beneath said board into which said resilient means may move.

2,260,893
ELECTROFORMING METHOD FOR PRODUCING RADIATORS
Herbert O. Ewing, Middleport, Ohio
Application November 29, 1937, Serial No. 177,107
3 Claims. (Cl. 204—9)



1. The method of producing hollow radiator bodies having a plurality of tubes, which consists in forming a fusible core having tubular apertures extending therethrough, electrolytically depositing metal of higher fusing point than the core on the core, immersing opposed sides of the core to a predetermined depth in a bath of liquid masking material which liquefies at a temperature lower than the melting point of the fusible core so that the masking material adheres to

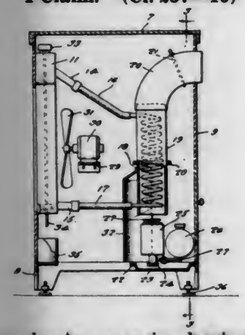
and covers the portions of the core and its tubular apertures on which sufficient metal has been deposited, leaving the remote or intermediate portions of the tubular apertures on which an insufficient quantity of metal has been deposited free of the masking material, electrolytically depositing additional metal on the unmasked portions of the radiator core until sufficient metal has been deposited on these portions, and raising the temperature of the core, masking material and deposited metal higher than the melting point of the fusible core to thereby melt the core and masking material from the deposited metal.

2,260,894
DOME LIGHT ASSEMBLY
Herbert C. Field, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application November 25, 1938, Serial No. 242,160
6 Claims. (Cl. 240—7.35)



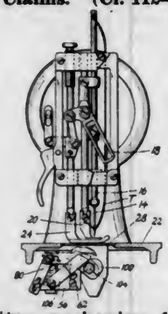
1. A dome light assembly comprising a stamped metal reflector, a stamped metal rim, and a lens, cooperating snap-in connecting means integral with the said rim and lens and interengaged to secure said lens in said rim, and cooperating snap-in connecting means integral with said rim and reflector and interengaged to secure said rim to said reflector, said snap-in connecting means reinforcing each other, both said snap-in connecting means being adapted to be actuating by linear movement.

2,260,895
ROOM HEATER
Elton G. Gibson, Roxboro, N. C.
Application June 7, 1940, Serial No. 339,374
1 Claim. (Cl. 237—16)



In a room heater, a casing having an opening in the front thereof, a radiator mounted in the casing opposite the opening, a power driven blower mounted in the casing in the rear of the radiator to drive air through the radiator and the opening, a stack mounted vertically in the casing in the rear of the blower and including a damper controlled elbow portion at the upper end thereof and leading outwardly of the casing, a vertically disposed heating coil mounted in the stack to extend upwardly behind said blower, means connecting the upper and lower ends of said coil to the top and bottom of the radiator, a heating means in the casing directly under the lower end of the stack and coil, and a vertically arranged semi-cylindrical shaped shell mounted in the casing and receiving the lower portion of the stack and partly surrounding the heating means in front thereof to prevent the action of the blower from affecting the heating means.

2,260,896
TUFTING MECHANISM FOR SEWING MACHINES
Samuel Goodman and Floyd Olson, Easton, Pa., assignors to Shapiro & Son Curtain Corporation, New York, N. Y., a corporation of New York
Application February 4, 1939, Serial No. 254,532
8 Claims. (Cl. 112—79)



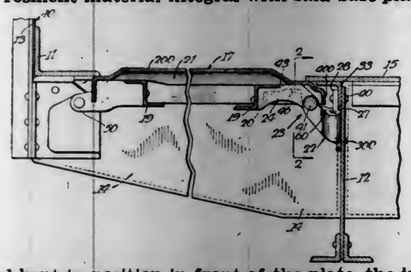
1. In a tufting mechanism for a sewing machine, a stationary looper having a head extending longitudinally of the line of feed of the fabric, said machine having a needle which reciprocates and moves in relation to said looper head for laying loops of thread thereon, and a loop cutter mounted for pivotal and sliding movement in relation to said looper for cutting the loops on said looper head, except the loop last positioned thereon, and means for oscillating and sliding said cutter in engagement with the side of said looper head for severing the loops on the looper head while the latter is stationary.

2,260,897
SEASONING MATERIAL DERIVED FROM RED PEPPERS AND THE DERIVATION THEREOF
Carroll L. Griffith and Lloyd A. Hall, Chicago, Ill., assignors to The Griffith Laboratories, Inc., a corporation of Illinois
No Drawing. Application November 27, 1939, Serial No. 306,410
12 Claims. (Cl. 99—140)

4. The method which comprises neutralizing an oleoresinous extract of red pepper in a volatile solvent with a non-toxic, mild, alkaline agent to produce a pH of 7.0 to 8.5 therein, mixing the solution with a great excess of a finely divided edible absorptive agent, heating the mixture below a temperature of 160° F., and continuing the heating until the material is free from solvent to produce a stable, dry, finely divided seasoning.

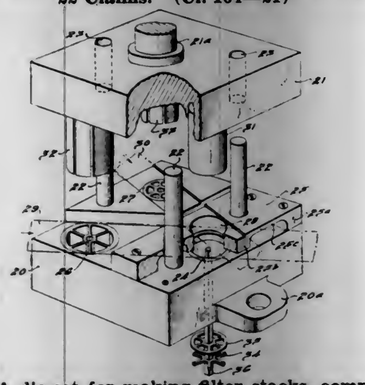
2,260,898
RAILWAY CAR
Joseph M. Hall, Chicago, Ill., assignor to Universal Railway Devices Company, a corporation of Delaware
Application May 29, 1939, Serial No. 276,289
5 Claims. (Cl. 105—283)

1. In a railway car having center and side sills, a floor, having a door opening therein, extending between said sills, a door for said opening, the combination of a hinge for said door, said hinge comprising a forged member having a base plate rigidly connected to said center sill, arms of resilient material integral with said base plate



and bent to position in front of the plate, the intermediate portion of said arms being on a curve, the ends of said arms being parallel and provided with alined apertures receiving a hinge pin, and a complementary hinge member rigidly secured to said door and hingedly to said pin.

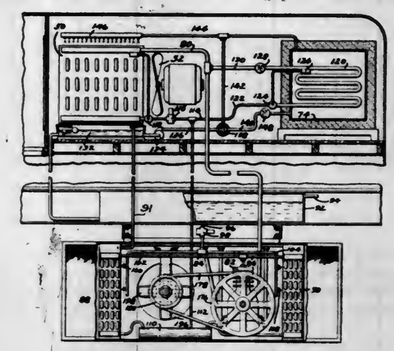
2,260,899
HIGH SPEED METHOD OF MAKING METAL-EDGE FILTERS
Paul Heftler, Chicago, Ill.
Application May 27, 1940, Serial No. 337,406
22 Claims. (Cl. 164—21)



1. A die set for making filter stacks, comprising a punch and die for forming one pattern in a strip of sheet stock, a second punch and die for forming a different pattern in another strip of sheet stock, and a blanking punch and die adapted to receive the two strips one above the other and to blank washers out of both strips one on top of the other.

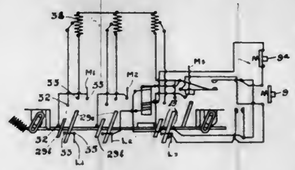
2,260,900
AIR CONDITIONING
Charles F. Henney, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application December 30, 1937, Serial No. 182,535
6 Claims. (Cl. 62—6)

1. An air conditioning system including a first and a second cooling means, means for circulating air in heat exchange relation with said first cooling means, a liquid container in heat exchange relation with said second cooling means, means for circulating liquid from said liquid container into heat exchange relation with said circulating air when said first cooling means is not effective, and means for by-passing said liquid container and circulating the liquid into heat exchange relation with the first cooling means



and the circulating air when the first cooling means is effective.

2,260,901
ELECTRIC SWITCH
Bernard Hinks, Willenhall, England
Application December 14, 1939, Serial No. 309,284
In Great Britain December 22, 1938
7 Claims. (Cl. 175—375)

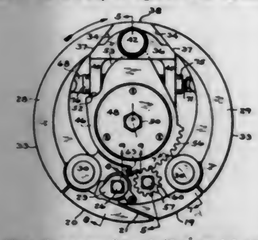


1. An electro-magnetically operated switch comprising an electro-magnetic device, a movable contact carrying switch member attached to the movable member of the electro-magnetic device and supported on pivoted links so that when in the "off" position it is capable of swinging laterally, a row of bridge contacts carried by said movable switch members a fixed contact carrying member having contacts which can be selectively bridged to complete either of two electric circuits the movable switch being normally positioned so that when attracted by the electro-magnetic device it will bridge the contacts of one circuit, a thermostatic switch for breaking the circuit of the electro-magnet to cause the movable contact member to move into the "off" position, means for causing the movable contact member to swing over when in the "off" position into position for completing a second circuit, and a switch operated by the said swinging over of the movable contact member for energising the electro-magnet and moving the switch member into position for closing the said second circuit.

2,260,902
COLLAPSIBLE DRUM
John H. Hitchcock and Alfred R. Keller, Worcester, Mass., assignors to Morgan Construction Company, Worcester, Mass., a corporation of Massachusetts
Application March 17, 1941, Serial No. 383,720
11 Claims. (Cl. 242—72)

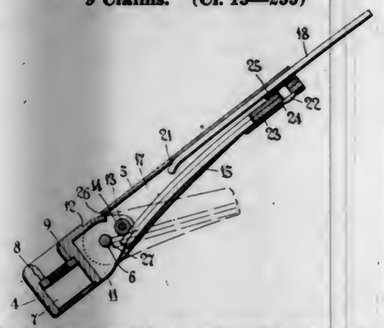
1. A collapsible drum comprising a rotatable

supporting member including a hub and a segment, two segments hinged to the member at opposite sides thereof, a spreader member located



between the free ends of the said two segments and slidable radially on the hub, and a cam rotatably mounted on the supporting member and arranged to move the spreader member radially.

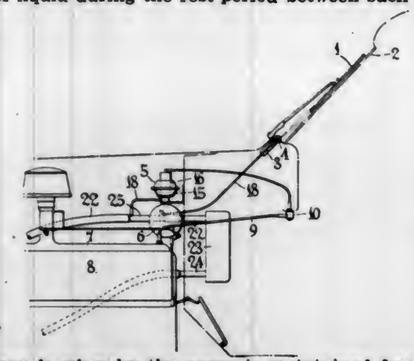
2,260,903
WIPER ARM
Erwin C. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application September 30, 1937, Serial No. 166,596
In Great Britain December 16, 1936
9 Claims. (Cl. 15—255)



1. A wiper arm for windshield cleaners, comprising a shaft engaging section and a blade actuating section pivotally connected thereto, the blade actuating section having a channel with an extensible blade engaging part adjustable therein, and a leaf spring seated at one end on the extensible part in the channel and having its opposite end portion thereof bearing on a part of the companion section to provide spring pressure for the wiping contact of a supported blade, such spring being firmly embraced at its first end by a channel wall to anchor the spring in position.

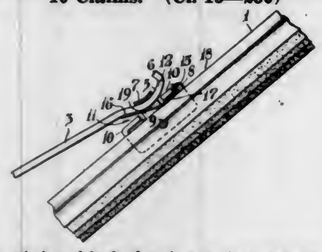
2,260,904
WINDSHIELD CLEARING SYSTEM
Erwin C. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application July 30, 1938, Serial No. 222,183
4 Claims. (Cl. 20—40.5)

1. A window clearing system for a motor vehicle having an engine having a hot fluid flow, comprising means arranged on the vehicle to deliver a vision clearing liquid onto the vehicle windshield, a source of liquid supply connected by a line of communication to said delivery means, a pump for supplying comparatively small charges of liquid from said source to said delivery means at intervals, and a heater unit interposed in the line between the pump and the delivery means and in heat exchange contact with the hot fluid for deriving heat therefrom to warm the charge of liquid during the rest period between such in-



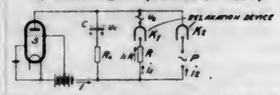
tervals whereby the pump is maintained free of the heated liquid.

2,260,905
WIPER BLADE MOUNTING
Erwin C. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application August 2, 1938, Serial No. 222,651
10 Claims. (Cl. 15—250)



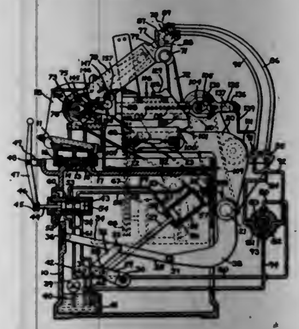
1. A wiping blade having a transverse retaining part with an entranceway for engaging an actuating arm beneath the retaining part, and a leaf spring having one end free of the blade for bearing outwardly against an engaged arm at one side of the retaining part and its opposite end anchored to the blade at the opposite side thereof to vary the pressure in the wiping contact at one end portion of the wiper with respect to that at the opposite end of the wiper.

2,260,906
SYSTEM FOR PRODUCING TELEGRAPH SIGNALS
Erich Hudec, Berlin, Germany
Application December 16, 1937, Serial No. 180,146
In Germany December 23, 1936
6 Claims. (Cl. 178—7.1)



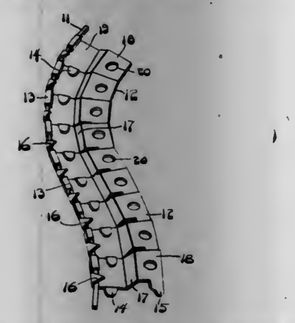
1. A system for producing telegraph signals comprising a condenser; a direct-current source for charging said condenser; a first relaxation device, a resistance, and a source of control potential all connected in series with said condenser; a second relaxation device connected in parallel relation to said condenser; the upper relaxation potential of said first relaxation device being smaller than the upper relaxation potential of said second relaxation device, and the lower relaxation potential of said first relaxation device being greater than that of said second relaxation device; and means coupled to said second relaxation device for producing impulses at substantially equal intervals of time, said impulses causing said second relaxation device to relax, thereby to discharge said condenser.

2,260,907
CAMSHAFT LAPPING MACHINE
Herbert S. Indge, Westboro, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application January 12, 1940, Serial No. 313,589
5 Claims. (Cl. 51—3)



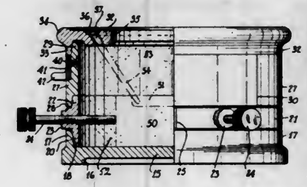
1. In a camshaft lapping machine, a cam lapping arm having a transversely movable slide, a master cam roller supported adjacent to one end of said slide, a master cam engaged by said roller, said master cam and roller serving to cause a transverse movement of said slide, a piston and cylinder between said roller and slide to move said slide to an inoperative position, a normally-stationary, rotatably-mounted lapping wheel adjacent to the other end of said slide, and means actuated when fluid under pressure is admitted to said cylinder to cause a transverse movement of said slide to an inoperative position to index said lapping wheel to present a fresh abrasive surface.

2,260,908
UPHOLSTERY RETAINER
Walter F. Johnson, Cincinnati, Ohio
Application October 7, 1940, Serial No. 360,129
6 Claims. (Cl. 45—138)



1. A flexible upholstery retainer adaptable to curvatures to be fitted, consisting of a series of substantially identical lugged sections having hooks thereon, and means uniting the sections flexibly with the lugs thereof interlocked and with the hooks thereof aligned for upholstery impalement and retention thereon.

2,260,909
DENTURE CASTING FLASK
Nathan Kaye, New York, N. Y.
Application April 23, 1940, Serial No. 331,087
3 Claims. (Cl. 22—97)

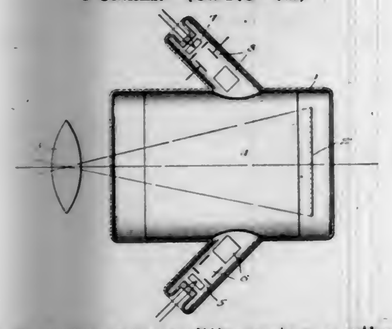


1. A denture casting flask comprising a circular base having a raised marginal flange, a ring engageable within said flange, a second ring interfitting the first ring, both rings being split parallel to their axes, adjusting means disposed radially in said first ring, a closure cover engageable on the rim of the second ring, said cover having an annular channel interjacent its margin, and a series of pouring passages open to the recess directed angularly to the axis of said base.

2,260,910
PROCESS FOR PURIFYING AND DECOLORIZING OILY AND FATTY MATERIALS
Eugene Kellens, Brussels, Belgium
No Drawing. Application December 28, 1936, Serial No. 117,971. In Germany January 2, 1936
12 Claims. (Cl. 260—420)

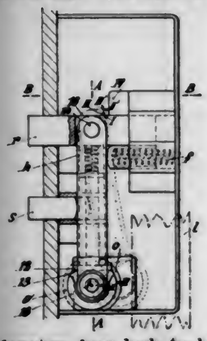
1. Process for purifying and decolorizing oily and fatty materials of animal or vegetable origin and containing albuminous coloring matter comprising drying the material, adding to the material from 0.1 to 0.5% of a finely divided solid reagent selected from the group consisting of nickel, cobalt, zinc, manganese, copper; an oxide, dioxide, manganate, permanganate, bichromate and chlorate of cobalt, copper, manganese and nickel, mixing said reagent with said material until a true suspension is obtained, the quantity of reagent added being so small that substantially no increase of fatty acid or oxy-acid occurs, maintaining the temperature of the material substantially at its melting point, continuing the mixing of the material and added reagent until the reagent forms with the mucins, albuminoids and coloring matter of the material a colloidal complex, during the formation of which a change of color occurs, adding to and stirring into the mixture, when the change of color has ceased, a small quantity of mineral acid while maintaining the temperature of the material in the vicinity of its melting point, heating the mixture to a temperature in the vicinity of 90° C., adding and admixing a quantity of pulverulent adsorbent material, and filtering the mixture to remove the adsorbent material and substances collected thereby, whereby the coloring of the oily and fatty material is considerably reduced, the material being maintained under vacuum during the process.

2,260,911
TELEVISION DEVICE
Ulrich Knick, Berlin-Steglitz, and Hans-Wolfgang Langenwalter, Finkenkrug, near Berlin, Germany, assignors to the firm of Fernseh Aktiengesellschaft, Zehlendorf, near Berlin, Germany
Application March 25, 1938, Serial No. 198,124
In Germany March 27, 1937
3 Claims. (Cl. 178—7.2)



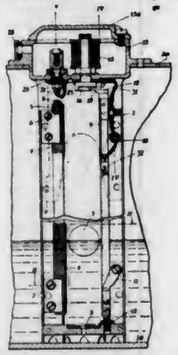
1. In a picture transmitting system, a cathode-ray tube comprising an evacuated container, a mosaic of light-sensitive elements therein, a signal plate, an anode common to all elements, said elements being mounted adjacent to said plate whereby they are capacitively connected thereto, means for generating an electron beam in said container, means for scanning said mosaic periodically with said electron beam, means for accelerating said beam to an electron velocity sufficient to release more secondary electrons from said mosaic than primary electrons in the beam, means for generating a second electron beam, means for accelerating said second beam to such an electron velocity that less secondary electrons are released from said mosaic than primary electrons in said second beam, and means for scanning said mosaic with said second beam in a manner that each element is brought by the action of said second beam thereon to a strongly negative potential with regard to the anode.

2,260,912
ELEVATOR DOOR LOCK
Wilhelm Mahlke, Vienna, Germany
Application June 29, 1939, Serial No. 281,789
In Germany July 2, 1938
8 Claims. (Cl. 187—61)



1. In an elevator door lock to be opened only when the elevator car is at rest in a predetermined position in its shaft in which a follower element forming part of the lock is disposed opposite a suitable cam face carried by the car, a slidable bolt, a floating lever, means at one point of said lever engaging said bolt, a follower element for cooperation with said cam face, said follower element being retained normally in a position out of the path of the cam face, means at a second point of said lever to displace said follower toward said cam face, a door opener element, means operated by said opener element to act on a third point of said lever in such a manner that first said follower is shifted towards the path of said cam face and then, if the cam face is disposed opposite said follower and prevents further displacement thereof, the lever is swung to shift said bolt to unlocking position, said follower including an eccentric mounted for limited angular movements about its axis between two end positions, means to normally hold said eccentric in a predetermined position intermediate said two end positions, a latch to prevent shifting of said bolt to its unlocking position, and means actuated by said eccentric to shift said latch from its normal inoperative position to its operative position when said eccentric is displaced to one of said angular end positions by frictional contact with said cam face while the elevator car is in motion.

2,260,913
LIQUID LEVEL INDICATING APPARATUS
William Thomas Marchment, Chiswick, London, England, assignor to Evershed & Vignoles Limited, London, England, a British company
Application February 6, 1939, Serial No. 254,940
In Great Britain June 23, 1938
14 Claims. (Cl. 73—313)

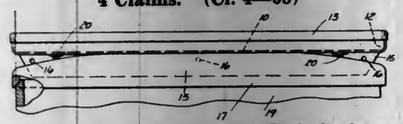


6. An apparatus for indicating the level of liquid in a container, comprising a hollow guide structure mounted to extend within said container between the highest and lowest levels to be indicated, the bottom end of said container having an opening therein to afford the liquid in the container free access to the interior of said guide structure, an electrically-conductive ball float located within said guide structure and arranged to rise and fall freely with the liquid level, a source of electrical supply, a wire-wound resistor mounted to extend vertically within said guide structure adjacent one side thereof, a ratiometer ohmmeter arranged to be connected in circuit with said source of supply and said resistor, and means for moving said float laterally in said guide structure and into engagement with said resistor, whereby an amount of said resistor corresponding to the liquid level is tapped off by said float and is included in the circuit of said ohmmeter.

2,260,914
PRODUCING COPPER-BASE-ALLOY ROD OR THE LIKE
Benjamin H. McGar, Marion, Conn., assignor to Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation
No Drawing. Application June 5, 1939, Serial No. 277,454
2 Claims. (Cl. 29—148)

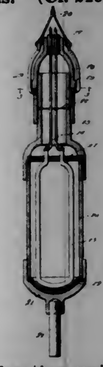
1. The process of producing copper-base-alloy rod or the like, comprising: hot-extruding a billet of copper-base-alloy containing at least one material from the group tin, cadmium, nickel, phosphorus, zinc, iron, silicon and aluminum, to a degree sufficient to bring about more than 25% reduction of area of the billet; and later hot-rolling the extruded billet to a degree sufficient to bring about more than 50% reduction of area of the extruded billet.

2,260,915
COMBINED TRAY, TANK COVER, AND SHELF
Clyde W. Mummery, Detroit, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio
Application March 23, 1940, Serial No. 325,581
4 Claims. (Cl. 4—68)



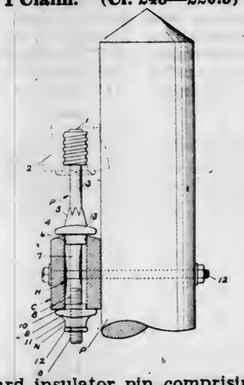
1. A tray for wall mounted flush tanks comprising a sheet metal horizontal bottom, the rear margin thereof being bent downwardly into a flange depending below said bottom and arranged at a slight acute angle to the bottom and toward the forward margin of the tray and adapted to be inserted between a wall and a tank for stressing the horizontal tray bottom down upon the tank top.

2,260,916
ELECTRIC HEATING DEVICE FOR OIL AND GAS WELLS
Thomas A. Rial, Vandalia, Mo.
Application December 5, 1940, Serial No. 368,712
2 Claims. (Cl. 219—33)



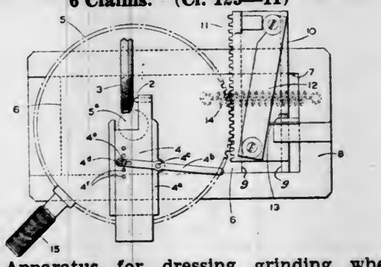
1. In an oil well heating unit, a longitudinally elongated casing having the bottom formed to provide a concave seat interiorly thereof, an insulating plate fixed transversely in the upper portion of the casing, a lining member fitted on the concave bottom seat and conforming thereto to provide an upper concave surface, an approximately U-shaped electric heating element mounted longitudinally in the casing and immovably supported therein, the said heating element having its bottom closed portion curved and fitted tightly on the concave surface of the lining member and having its upper spaced apart end portions extended through apertures in the top insulating plate, a closure fitting detachably connected with the upper end of the casing, and conductors extending through the said closure fitting and connected to the respective upper end portions of the heating element.

2,260,917
INSULATOR PIN
Michael Ruggieri, Stroudsburg, Pa., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Application April 10, 1939, Serial No. 267,002
1 Claim. (Cl. 248—220.5)



A standard insulator pin comprising a rod of substantially uniform cross-sectional area and threaded at one end, pin-centering means comprising an annular flange and a conical extension therebelow of greater diameter than the pin disposed intermediate the ends thereof and a nut having an axially extending conical extension, said extensions adapted to accommodate the pin to holes of varying sizes in a cross-arm.

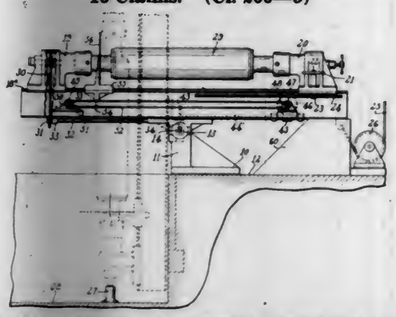
2,260,918
APPARATUS FOR FORMING OR DRESSING GRINDING WHEELS FOR USE IN FORM-GRINDING OPERATIONS
John Ernest Wainwright, Coventry, England, assignor to Coventry Gauge & Tool Company Limited, Coventry, England
Application July 11, 1940, Serial No. 344,992
In Great Britain November 8, 1938
6 Claims. (Cl. 125—11)



1. Apparatus for dressing grinding wheels comprising a stationary base, a main slide mounted for longitudinal movement on said base,

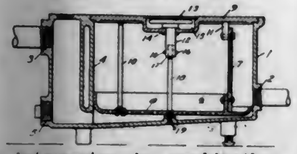
a cross slide mounted for transverse sliding movement on said main slide and having a toothed portion on one side thereof, a sine bar carried by said cross slide, and a stylus fixedly carried by said stationary base in operative engagement with said sine bar to cause longitudinal movement of said main slide during transverse movement of said cross slide, in combination with a rotary gear member mounted for rotary movement on said main slide in mesh with the toothed portion of said cross slide to cause transverse movement thereof during rotation, and a dressing tool mounted for radial reciprocation on said gear member.

2,260,919
APPARATUS FOR HANDLING ROLLS OR THE LIKE DURING FLAME HARDENING PROCESS
Carl F. Schnuck, New Haven, Conn., assignor to Farrel-Birmingham Company, Inc., Ansonia, Conn., a corporation of Connecticut
Application April 8, 1940, Serial No. 328,600
13 Claims. (Cl. 266—5)



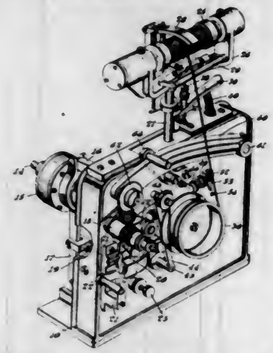
1. A work-supporting device comprising a bed, means pivotally supporting said bed on a horizontal axis extending transversely of the bed whereby the latter may be disposed in substantially horizontal or substantially vertical positions, means on the bed for rotatably supporting the work in a position spaced from the bed, and torch-supporting means movably mounted on said bed and embracing the work, and means for rotating the work comprising a drive member coaxial with the pivot of the bed.

2,260,920
INTERCEPTOR FOR DRAIN LINES
Robert H. Shenk, Erie, Pa., assignor to J. A. Zurn Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application December 17, 1938, Serial No. 246,330
1 Claim. (Cl. 210—56)



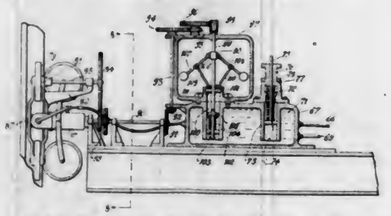
In an interceptor, in combination, a receptacle having a centrally located threaded recess in the inner bottom portion thereof, a cover for said receptacle having a centrally located aperture and a recess portion immediately adjacent thereof, a filtering basket depending from said cover an ' connected thereto, a handle clamp for clamping and for removing said filtering basket and said cover from said receptacle comprising a shank portion extending through said aperture in said cover having an axially extending threaded recess and a handle portion, said handle portion normally nesting in the recess portion of said cover, outwardly projecting members on the shank of said handle on the end of said shank opposite to said handle portion, and on the opposite side of said cover for retaining said handle clamp in said aperture, and means engaging the threaded recess in the shank portion of said handle clamp and said threaded recess in said receptacle to secure said cover and its depending filtering basket in said receptacle.

2,260,921
WINDING MACHINE
Charles R. Sibley, Marblehead, Mass., assignor to Sibley-Pym Corporation, Lynn, Mass., a corporation of Massachusetts
Application June 27, 1940, Serial No. 342,743
10 Claims. (Cl. 242—3)



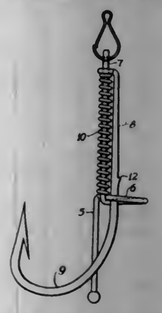
1. A winding machine of the class described including in its organization a pair of rotary supports for a core, a supply of elastic thread, a tension drum about the circumference of which the thread passes on its way to the core, said drum being spaced from said supports and of such diameter that the length of thread upon it exceeds at all times the length of the thread between it and the core, and controlled means for retarding rotation of said drum.

2,260,922
FLUID CONTROLLED GUIDE FOR ELEVATOR CARS
Walter Spiro, New York, N. Y., assignor, by mesne assignments, to Elevator Safety Corporation, New York, N. Y., a corporation of New York
Application July 6, 1940, Serial No. 344,258
13 Claims. (Cl. 187—95)



1. In an elevator car the combination, with a guide having a plurality of guide members adapted to ride along a guide rail, of a body of fluid under pressure, and permanently open pressure transmitting fluid connections between said body and said guide members, to maintain said guide members in constant contact with said guide rail.

2,260,923
FISH TRAP-HOOK
James P. Thompson, Louisville, Ky.
Application December 26, 1939, Serial No. 310,947
7 Claims. (Cl. 43—34)



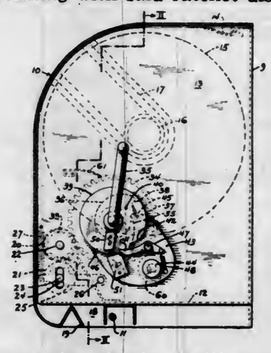
1. A fish trap-hook, comprising, a bar member having a line secured adjacent one end thereof and a loop formed from the mid-section thereof; a hook having an integral shank equipped with a notch at the mid-section thereof for engagement with said loop for providing a latch; said shank being slidably disposed in said loop and having an end thereof terminating in an eye embracing said bar for providing a bearing therefor; a spring disposed on said bar and having its ends located for engagement with said eye and said loop for actuating said hook longitudinally of said bar upon dis-engagement of said notch from said loop.

2,260,924
LUMINESCENT SCREEN
Frank E. Swindells, Towanda, Pa., assignor to The Patterson Screen Company, Towanda, Pa., a corporation of Pennsylvania
No Drawing. Application October 24, 1940, Serial No. 362,681
4 Claims. (Cl. 250—81)

1. A luminescent screen material for use in fifteen images per second television reproduction apparatus comprising a mixture of 55% by weight manganese-activated cadmium silicate, 30% by weight silver-activated zinc sulfide, and 15% by weight manganese-activated zinc silicate, to provide a screen of substantially white fluorescence having an after-glow of the order of one-fifteenth second duration for eliminating the sensation of flicker as one image replaces another on said screen.

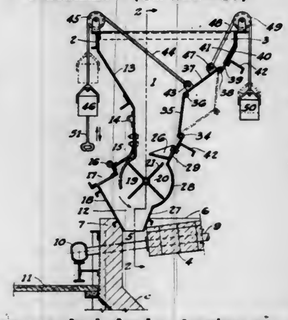
2,260,925
DISPENSING DEVICE
Philip A. Wooster, San Francisco, Calif.
Application November 14, 1938, Serial No. 240,304
9 Claims. (Cl. 271—2.3)

1. In operating mechanism for a dispensing device, a rotatable operating crank, a stepped cam rotatable therewith, a pivoted stop-plate engageable with the steps of said cam to latch the operating member, a ratchet disk rotatable with the crank, and a pawl carried by said stop-plate and cooperating with said ratchet disk to move



the plate toward a releasing position upon reverse movements of the crank.

2,260,926
MEASURING MATERIALS FEEDER
Paul Wright, Birmingham, Ala.
Application November 22, 1939, Serial No. 305,683
6 Claims. (Cl. 214—35)

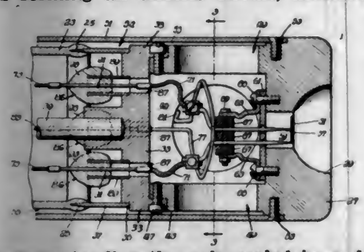


6. A furnace fuel feeder having an integral rotor made with a plurality of compartments; means for turning said rotor which is partially bounded on its delivering side by an inner section shaped to effect a closure of a compartment during its filling until discharge; a releasing feeder side to which said closure section is fastened, the releasing side being arranged so as to disgorge jammed material and without substantially admitting outside air passing through the feeder, effecting means for fuel to be charged into the furnace.

2,260,927
GETTER
Zed J. Atlee, Elmhurst, Ill., assignor to General Electric X-Ray Corporation, Chicago, Ill., a corporation of New York
Application September 9, 1940, Serial No. 355,984
5 Claims. (Cl. 250—142)

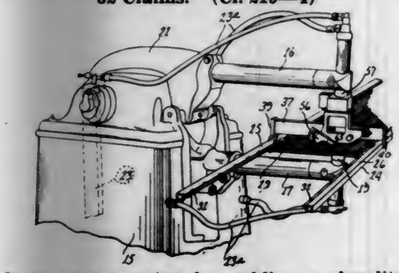
1. A device of the class described, comprising an envelope having an opening, an electrode support comprising metal plate means having marginal edge portions sealed in said opening, an electrode having a head and a tubular portion mounted on said electrode support in position defining a chamber within said tubular portion between said plate means and said head, said chamber having communication with the interior of the envelope outwardly of the electrode

through a restricted passage opening remotely from the said head, support means for gettering material disposed within said chamber, and means forming an electric circuit, including a



conductor extending through, sealed in and insulated from said plate means for vaporizing the gettering material in said chamber in response to the application of electrical power to said circuit outwardly of said envelope.

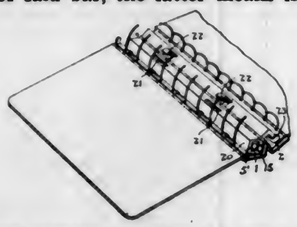
2,260,928
ELECTRIC WELDING APPARATUS
Kenneth R. Bixby, Canton, Ill.
Application June 3, 1940, Serial No. 338,538
32 Claims. (Cl. 219—4)



3. In an apparatus for welding a plurality of elements successively to a supporting member, a welding device comprising electrodes arranged to receive between them said supporting member and an element to be welded, one of said electrodes being movable toward and from the other electrode, means for actuating said movable electrode and effecting the welding operation, and a feeding device including a member connected with said movable electrode for movement therewith and arranged to engage one of said elements upon each complete operation of said movable electrode and move said supporting member and said elements to position an unwelded element between said electrodes.

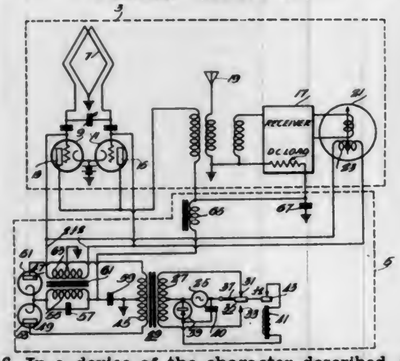
2,260,929
LOOSE-LEAF BINDER
Ernest J. Bloore, Brampton, Ontario, Canada, assignor to Copeland - Chatterson Limited, Brampton, Ontario, Canada
Application June 21, 1940, Serial No. 341,643
In Canada June 28, 1939
8 Claims. (Cl. 129—17)

2. A loose leaf binder having in combination, binder back sections connected for relative swinging displacement only, a group of prongs mounted on one back section, a bar slidably mounted on the other back section, a group of prongs mounted on said slidable bar, a series of stop abutments carried by said slidably mounted bar, a stop abutment displaceably mounted on said respective back section for selective co-operation with said series of stop abutments, means for selectively positioning said displaceable stop abutment to limit the sliding displacement of said bar, the latter means including a



lever-like member on which the displaceable stop abutment is mounted, and means presenting a plurality of notches for selective locking engagement with the lever.

2,260,930
CONSTANT FREQUENCY POWER SUPPLY SYSTEM
Donald S. Bond, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application November 24, 1939, Serial No. 305,783
6 Claims. (Cl. 171—97)

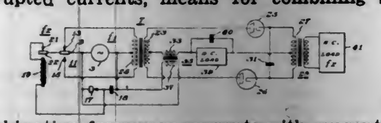


6. In a device of the character described, the combination which includes a source of power of uncontrolled frequency, a vibrator for periodically modulating said currents of uncontrolled frequency at a constant rate, means for deriving combination frequency currents from said interrupted currents, means for rectifying said combination frequency currents, and means for deriving constant frequency alternating currents from said rectifying means, whereby energy having constant frequency is derived from said source of energy of uncontrolled frequency.

2,260,931
CONSTANT FREQUENCY POWER SUPPLY SYSTEM
Donald S. Bond, Philadelphia, Pa., and Francis L. Moseley, Chevy Chase, Md.; said Bond assignor to Radio Corporation of America, a corporation of Delaware, and said Moseley assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application November 30, 1939, Serial No. 306,838
7 Claims. (Cl. 171—97)

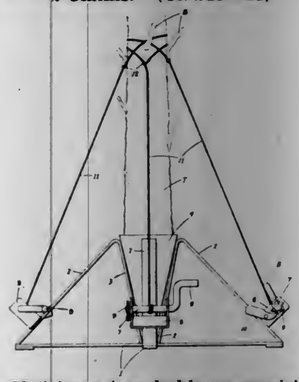
1. A device for obtaining constant frequency currents from a source of current of uncontrolled frequency which includes means for periodically

interrupting said currents of uncontrolled frequency at a constant rate, means for deriving combination frequency currents from said interrupted currents, means for combining said



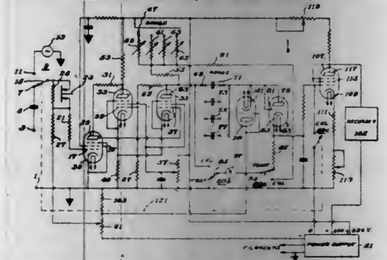
combination frequency currents with currents of said uncontrolled frequency to produce a resultant current, means for rectifying said resultant current, and means for deriving constant frequency currents from said rectified currents.

2,260,932
CHRISTMAS TREE HOLDER
Mike Chulick and John Chulick, Winters, Calif.
Application January 24, 1940, Serial No. 315,350
2 Claims. (Cl. 248—44)



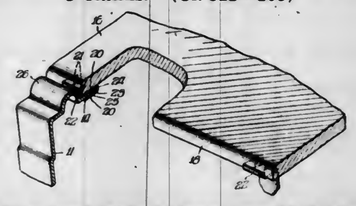
1. A Christmas tree holder comprising a base to rest on the floor, a socket upstanding from the base to support and prevent lateral displacement of the butt of the tree and a plurality of individually extensible and flexible guy elements fixed in connection with the base in spaced relation about and radially out from the socket, said elements being adapted to extend upwardly and having means included therewith for individual engagement about the trunk of the tree above the socket.

2,260,933
FREQUENCY METER
Donald T. Cooper, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application June 30, 1939, Serial No. 282,215
11 Claims. (Cl. 175—368)



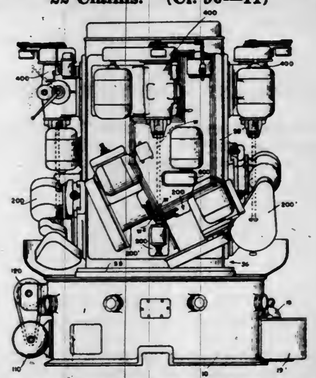
8. In a device of the character described, a pair of thermionic tubes having input and output circuits, means coupling the output circuit of each tube to the input circuit of the other so that a condition of maximum conductivity in one of said tubes produces a condition of minimum conductivity in the other of said tubes, means responsive to an alternating voltage for causing said conditions of conductivity to be interchanged, means for deriving charging impulses from one of said pair of tubes, a capacitor adapted to be charged by said impulses, and current responsive means in circuit with said capacitor.

2,260,934
TABLE
Walter E. Corduan and Gustav E. Corduan, Chicago, Ill., assignors to Corduan Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application October 19, 1938, Serial No. 235,910
5 Claims. (Cl. 311—108)



5. In a card table, a frame provided about its inner edge with a downwardly offset ledge, a top sheet of thin but relatively stiff non-metallic material positioned on said ledge with the upper surface of the sheet disposed somewhat above the level of the adjoining portions of the frame, and thin sheet metal members which horizontally penetrate the side edges of the top sheet between the top and bottom thereof and below the top of the frame and are secured to the frame.

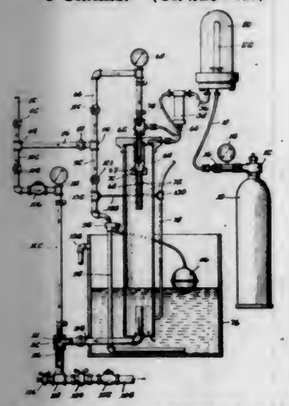
2,260,935
SURFACE SHAVING MACHINE
Robert S. Drummond, Detroit, Mich., assignor to National Broach and Machine Company, Detroit, Mich., a corporation of Michigan
Application March 4, 1940, Serial No. 322,210
22 Claims. (Cl. 90—11)



1. In a surface shaving machine, a tool slide, a base having ways in which said slide is movable, transmission means carried in part by said slide and in part by said base including a pair of rotary cams, a feed post and a return post cooperating with said cams, a motor for rotating

said cams, and means actuated upon completion of return movement of said slide to stop said motor.

2,260,936
GAS ABSORBING SYSTEM
Roy Blair Everson, Chicago, Ill.
Application July 6, 1937, Serial No. 152,131
5 Claims. (Cl. 210—28)



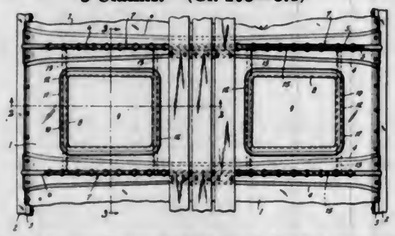
1. A gas absorbing apparatus comprising a source of liquid, gas supply means, a branch conduit from the source of liquid, mixing means for mixing gas from the gas supply means with the liquid from the branch conduit to form a solution, a receptacle for holding the solution, a gas-tight conduit from the mixing means to the receptacle and having its lower end submerged in the solution in the receptacle, liquid-tight means for conducting liquid from the branch conduit to the receptacle, outlet means communicating with the receptacle for withdrawing solution therefrom, vent means to the atmosphere communicating with said gas tight conduit below the level of the liquid normally in the receptacle and communicating with said liquid tight means, whereby siphoning of said solution into the original source of liquid is prevented, and whereby gas from the mixing means will be vented to the atmosphere during abnormal operation.

2,260,937
CLOSURE AND DISPENSER FOR CONTAINERS
Jorge Teofilo Freeman, Buenos Aires, Argentina
Application April 29, 1940, Serial No. 332,275
In Argentina December 26, 1939
3 Claims. (Cl. 221—66)



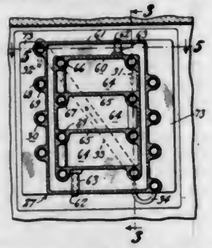
1. A dispensing agitator for a container comprising a rotatable unit formed from a sheet of initially flat bendable material, said unit including a hub portion, flat arms radiating from the hub portion in the plane of said hub and in circumferentially spaced relation, vane portions formed on side edges of said arms and at right angles to the flat thereof; an axial pin fixed on and projecting from the hub in a direction opposite said vanes, and an operating member on the free end of said pin.

2,260,938
HATCH CONSTRUCTION
Garth G. Gilpin, Riverside, Ill., assignor to Standard Railway Equipment Manufacturing Company, a corporation of Delaware
Application June 24, 1940, Serial No. 342,052
5 Claims. (Cl. 108—5.4)



2. A car roof comprising roof sheets connected along their adjacent margins by load-supporting seams, a hatch frame extending through said roof between adjacent seams, hangers embodied in said seams, and a support for said hatch frame extending between said adjacent seams and sustained by the hangers therein.

2,260,939
REFRIGERATION
William R. Hainsworth, Larchmont, N. Y., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application October 6, 1939, Serial No. 298,163
7 Claims. (Cl. 62—119.5)

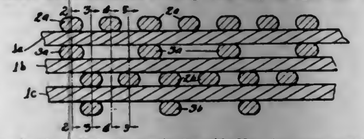


1. In an absorption refrigerating apparatus, a condenser, an absorber, a high temperature evaporator, a low temperature evaporator within said high temperature evaporator, means for supplying refrigerant from said condenser to both of said evaporators, means for supplying an inert gas from said absorber to said low temperature evaporator, and means for conveying a mixture of inert gas and gaseous refrigerant from said low temperature evaporator to said high temperature evaporator.

2,260,940
DRIER FELT FOR PAPER MACHINES
Edward H. Hall, Fitchburg, Mass.
Application April 27, 1939, Serial No. 270,367
1 Claim. (Cl. 139—412)

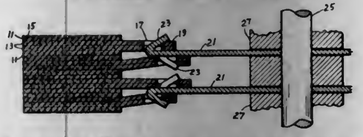
A unitary woven fabric drier felt for paper making machines having a closely woven face and a relatively openly woven back and consisting, in combination, of three superposed horizontally extending layers of weft threads arranged

in substantially vertically alined groups and warp threads divided into a first, a second, a third, and a fourth set, the threads of said first set being woven over and under given successive weft threads of both the top and the intermediate layers, the threads of said second set being woven under and over said given successive weft threads of both the top and intermediate layers, the threads of said third set being woven over and under given successive weft threads of both the intermediate and bottom layers, and the threads of the fourth set being woven under and over said given successive weft threads of both the intermediate and bottom layers, the threads of the first and second sets being closely disposed weft-



wise of the fabric substantially to conceal the weft threads and to form a uniformly continuous and relatively smooth face, the threads of the third and fourth sets being equal in number to no more than substantially one-half the number of threads in the first and second sets and being arranged in pairs of closely disposed threads, the said pairs being substantially uniformly spaced weftwise to expose at the back of the fabric substantially no less in the aggregate than half the entire length of each weft thread of the lower layer and also to expose at the back of the fabric portions of some of the face warp threads, whereby there is provided a direct thread path or moisture from the exposed face of the felt to the exposed back of the felt.

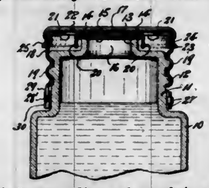
2,260,941
BUFFING WHEEL
Fritz E. Hendrickson, South Elgin, Ill., assignor of one-half to Murray Ireland, near Elgin, Ill.
Application March 24, 1941, Serial No. 384,849
6 Claims. (Cl. 51—193)



1. A hard buffing wheel having a section comprising a plurality of annular disks of cloth all having the same outer diameter, certain of said disks having a lesser inner diameter than the other disks, seams holding all of said disks close together and extending to the larger inner diameter, seams holding together all of the disks of lesser inner diameter adjacent to said lesser inner diameter and a plurality of peripherally spaced openings in said disks of lesser inner diameter within the inner diameter of the other disks adapted to receive a supporting and driving means.

2,260,942
CONTAINER AND CLOSURE THEREFOR
Russell B. Kingman, Orange, N. J.
Application June 15, 1940, Serial No. 340,656
5 Claims. (Cl. 15—133)

1. The combination with a container body having an upstanding neck-portion terminating in a mouth portion of reduced diameter, a closure cap to engage said neck-portion, a sealing disc within and of less diameter than the cap adapted to close and seal the container mouth portion, and said cap having guard tongues struck out from its top wall to interiorly depend therefrom in circumferentially spaced relation around the sealing disc, thereby to hold the latter against



displacement from aligned registration with said container mouth, and said cap top wall having discharge apertures outwardly of the margins of said neck-portion and sealing disc which are formed therein by displacement of said tongues therefrom.

2,260,943
MANUFACTURE OF ANTIKNOCK MOTOR FUEL HYDROCARBONS
Karl Korpi and Arthur R. Goldsby, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application June 25, 1937, Serial No. 150,316
7 Claims. (Cl. 196—10)

1. A process for the manufacture of normally liquid hydrocarbons boiling within the gasoline boiling range, which comprises reacting low boiling polymers, resulting from polymerization of C_4 olefins, with an isoparaffin selected from the group consisting of isobutane and isopentane in the presence of concentrated sulfuric acid catalyst, and maintaining throughout the entire reaction a substantial excess of the isoparaffin in the reacting mixture, whereby alkylation of the isoparaffin is effected and a substantially saturated liquid reaction product is produced.

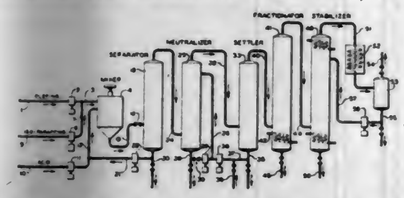
2,260,944
TREATMENT OF HYDROCARBON OILS
Arthur R. Goldsby, Beacon, N. Y., and Karl Korpi, Redondo Beach, Calif., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Continuation of application Serial No. 148,979, June 18, 1937. This application July 29, 1939, Serial No. 287,250
6 Claims. (Cl. 196—10)

5. The process of alkylating a normally liquid cracked naphtha fraction to increase its antiknock value, which comprises treating the said cracked naphtha fraction with added isobutane in amount substantially greater than the quantity of unsaturated compounds present in said fraction in the presence of concentrated sulfuric acid under alkylating conditions, whereby isobutane reacts with the normally liquid olefins originally present in said cracked naphtha fraction to produce liquid alkylation products.

2,260,945
ALKYLATION OF HYDROCARBONS
Karl Korpi, Redondo Beach, Calif., and Arthur R. Goldsby, Beacon, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
Original application June 18, 1937, Serial No. 148,978. Divided and this application July 23, 1941, Serial No. 403,639
13 Claims. (Cl. 196—10)

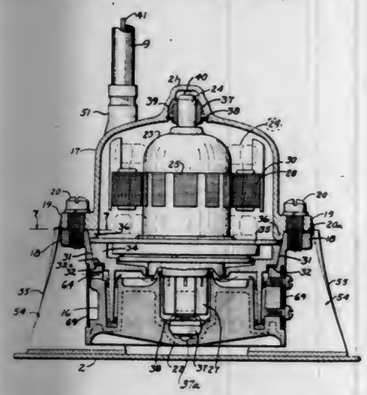
1. A process for the manufacture of normally

liquid hydrocarbons boiling within the gasoline boiling range, which comprises reacting low boiling olefins with a low boiling isoparaffin such as isobutane in the presence of concentrated sulfuric acid catalyst while maintaining alkylating conditions, and maintaining in the reacting mix-



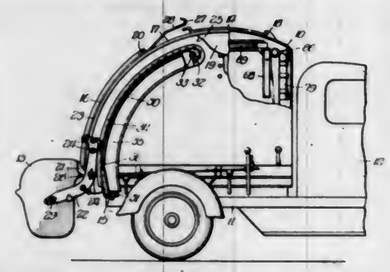
ture throughout the entire reaction a substantial molar excess of the isoparaffin over the stoichiometrical equivalent monomeric contents of the olefins, whereby alkylation of the isoparaffin is effected and a substantially saturated liquid reaction product is produced.

2,260,946
ELECTRIC FUEL PUMP
Alfred C. Korte and Kenneth Lannert, St. Louis, Mo., assignors to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application April 20, 1940, Serial No. 330,704
6 Claims. (Cl. 103—111)



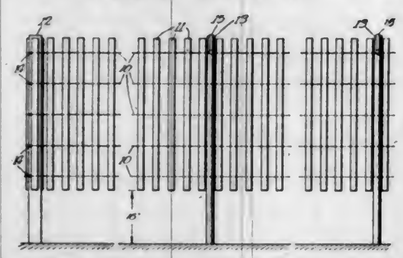
2. In a centrifugal pump, a rotor, housing structure for said rotor comprising a pair of casings each having an open end and each being provided with a bearing in its opposite end for journalling one end of said rotor, one of said casings being provided with a circular longitudinally tapered male portion surrounding its open end, the other of said casings being provided with a similarly tapered counterbore at its open end of sufficient size to loosely receive said male portion to a predetermined depth, the surface of said tapered bore being provided with a plurality of circumferentially spaced, compressible projections formed as an integral part of the wall of said bore and rising to a point sufficiently above the surface of said bore to result in their partial distortion when inserting said tapered male portion to said predetermined depth, one of said bearings being concentric with said circular tapered male portion, the other of said bearings being concentric with a circle touching the tops of said projections, and means for attaching said casings.

2,260,947
SELF-LOADING VEHICLE
Elbert C. Leach and Herbert J. Hillborn, Oshkosh, Wis., assignors of one-half to Leach Company, Oshkosh, Wis., a corporation of Wisconsin, and one-half to The Elgin Corporation, Chicago, Ill., a corporation of New York
Application September 7, 1939, Serial No. 293,806
5 Claims. (Cl. 214—67)



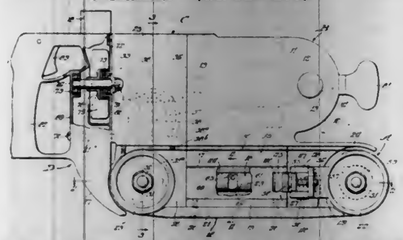
1. In a self-loading vehicle, a body having an opening in the upper portion thereof, means for tilting the body to dump the contents of the same, a loading bucket, means for raising and lowering the bucket to and from the opening, a rack slidably mounted on the under side of the body, a hydraulic cylinder pivotally connected at one end to the vehicle beneath the body and having a piston rod which is pivotally connected at the other end to the rack, a power-transmitting means between the rack and the means for raising and lowering the bucket, and means for releasing the body from the vehicle and locking the rack against movement, whereby operation of the hydraulic cylinder will tilt up the body.

2,260,948
SNOW FENCE
Daniel Webster Loftus, Perry, Iowa
Application January 13, 1940, Serial No. 313,716
3 Claims. (Cl. 256—34)



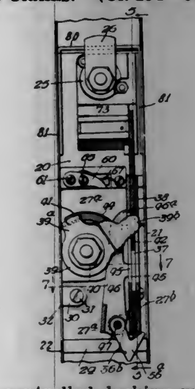
1. In a snow fence comprising intermediate posts and fencing mounted thereon for ready elevational adjustment, the combination of warp strands and woof slats comprising the fencing, smooth surfaced open topped pipe sections comprising said posts, and fastening means securing the fencing to the posts consisting of a single unitary element having an upper hook hanging in the open top of each pipe section and an upwardly facing lower hook, one strand of the fencing being seated in each lower hook and the strands below it being juxtaposed to said smooth surfaces of the posts and a pair of slats of the fencing straddling each post and by their weight tending to stabilize the seating relation of the strands in the lower hooks.

2,260,949
PORTABLE BELT SANDER
Arthur William Mall, Flossmoor, Ill.
Application January 9, 1939, Serial No. 278,233
6 Claims. (Cl. 51—170)



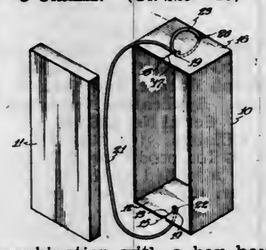
1. In a portable belt sander, a frame, a pair of spaced rollers carried by said frame, a sanding belt trained about said rollers, a motor carried by the frame above the upper reach of said belt, a shaft projecting rearwardly from said motor, a gear housing having a portion above said upper reach, through which said shaft extends, and a suction unit comprising a fan casing detachably secured to the rear of said gear housing, and having a suction nozzle projecting downwardly behind the rear roller, and a fan rotatably supported in said fan casing, for removal therewith, said fan being provided with separable coupling means adapted to establish driving engagement with said motor shaft when the fan casing is attached to the gear housing.

2,260,950
COIN CONTROLLED LOCKING MECHANISM
Edward W. McCarroll and Henry Hansen, Chicago, Ill.; said Hansen assignor to said McCarroll
Application May 2, 1938, Serial No. 205,516
8 Claims. (Cl. 194—92)



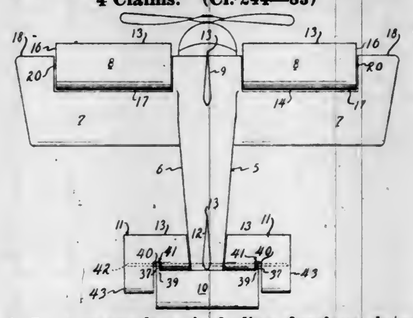
1. In coin-controlled locking-mechanism, the combination of a front-plate, a supporting-bracket comprising a front-member fitting against the back of the front-plate and a side-member extending substantially rearwardly at right angles to the plate, a key-operable cylinder-lock mounted in the front-member, a locking-bolt slidably mounted in the front-member, means operable by the lock for shifting the bolt, the front-plate being provided with a coin-receiving slot for receiving a coin edgewise, a plate for controlling the operation of the lock, slidably mounted in the side-member of the bracket and provided with a pocket for receiving the coin from the slot, a connection between the lock and the plate for slidably shifting the plate by the lock, and means, carried by the side-member of the bracket, and controlled by a coin in the pocket, for stopping the movement of the plate and preventing operation of the lock.

2,260,951
BOX
Ersel C. Mulnix, Chicago, Ill., assignor of one-half to Louis Joseph, Oak Park, Ill.
Application June 15, 1939, Serial No. 279,297
3 Claims. (Cl. 229—46)



1. The combination with a box having a removable lid, of a flexible element having stops adjacent its ends, there being slits in opposite walls of said box extending downwardly from the top edges thereof to a depth just beyond that of the lid and a hole in one wall adjacent the bottom thereof and of a size to permit the passage of one of said stops, the slit in said one wall being enlarged at its bottom and said flexible element having one end secured in the slit in the box end without the hole with the corresponding stop within the box, the other end of said flexible element being passed outwardly through said hole and secured in the corresponding slit with the corresponding stop within the box, the body of said flexible element being inserted through said last named slit and frictionally slidable in said enlargement to form a box handle and a lid securing loop.

2,260,952
CONTROL MECHANISM FOR AIRPLANES
Steve G. Novack, East St. Louis, Ill.
Application April 7, 1939, Serial No. 266,457
4 Claims. (Cl. 244—83)



1. In a monoplane including fuselage, lateral wings at the head of the fuselage and a centrally located horizontal stabilizer at the rear thereof, there being openings through the forward margins of the wings, aileron shafts supported forwardly across the wing openings transversely of the long axis of the craft, ailerons pivotally mounted on said shafts within the wing openings,

flanges depended from the outer ends of the ailerons perpendicularly to the supporting shafts thereof, an elevator shaft supported across the forward margin of the stabilizer upon lugs extended therefrom, the said shaft being extended laterally of the stabilizer, elevators pivotally mounted on the ends of the said shaft, the latter passing medially therethrough, the elevators being cut out at their inner rear corners to receive the adjacent corners of the stabilizer, and hand controlled means for manipulating the ailerons and elevators co-operatively to cause the airplane to ascend or descend or roll laterally.

2,260,953

THIOSTEROID AND PROCESS FOR PRODUCING THE SAME

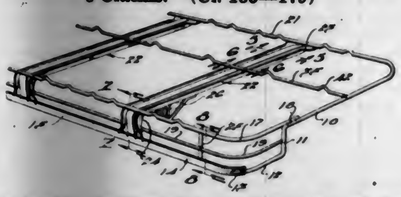
Rudolph Rebold, New York, N. Y.
No Drawing. Application November 29, 1939, Serial No. 306,647
8 Claims. (Cl. 260—125)

1. A process for producing a thiosteroid containing sulfur attached to the nucleus, comprising heating an unsaturated steroid with sulfur to an elevated temperature above 112.8° C. to cause the steroid and sulfur to react.

2,260,954

SPRING CONSTRUCTION

Karl A. Robinson, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application June 5, 1939, Serial No. 277,375
6 Claims. (Cl. 155—179)



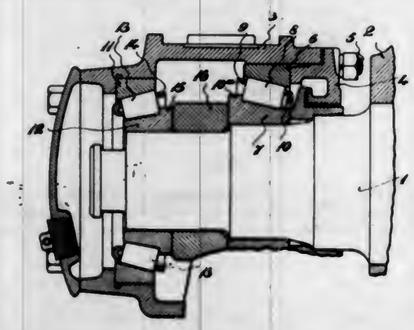
2. A seat construction, a border wire forming the back and sides of the seat frame and extending downwardly and forwardly adjacent to the front corners, a front channel border member receiving the ends of said wire and having one flange extended beyond the other, a border wire above the channel border member and welded to the first said border wire near the offset portion thereof to be substantially in the plane thereof, and a cross brace joining the front and rear border wires and having a downwardly extending end mated with the projecting flange of the channel member and welded or otherwise secured thereto.

2,260,955

AXLE-BOX AND OTHER BEARING MOUNTINGS

Raymonde Frank Rudd, Aston, Birmingham, England, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application July 31, 1941, Serial No. 404,764
In Great Britain March 28, 1941
10 Claims. (Cl. 308—180)

1. A bearing mounting comprising an axle or shaft carrying a member that may require to be treated in a lathe or similar machine, two axially-spaced roller bearings consisting of rollers supported upon inner race parts upon the axle or shaft and engaged by outer bearing members of which that member appertaining to the outermost bearing of the mounting is removable, a removable bearing housing supported upon the two roller bearings, and a fixed collar provided upon the axle or shaft between the inner race parts, said collar having a diameter not less than that of a circle circumscribing the highest point of any

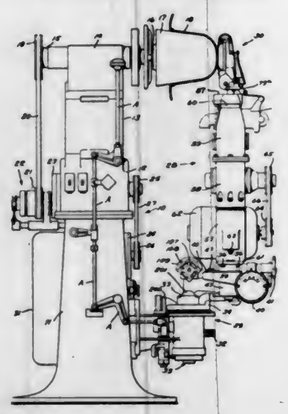


part of the outermost bearing remaining on the axle or shaft when the housing and outer bearing member of the outermost bearing and other readily removable parts are removed, so that the collar can be received within and be gripped by a collet or like chuck of a lathe or similar machine.

2,260,956

POUNCING MACHINE

Paul Schultze, Danbury, Conn., assignor to Doran Brothers, Incorporated, Danbury, Conn.
Application August 24, 1938, Serial No. 226,442
44 Claims. (Cl. 223—20)

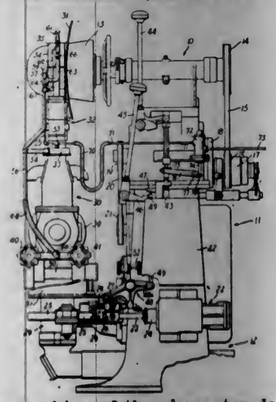


1. In a machine of the character described, in combination, a base, a hat support on said base adapted to support a hat, means for rotating said hat support, a tool for operating on said hat, a support for said tool including mechanism for driving it through a closed substantially elliptical path, means for effecting relative movement between said supports and means for freely pivotally supporting said tool support in operative relation to said hat support for unrestrained swiveling movement in relation thereto.

2,260,957

APPARATUS FOR GREASING AND LURING HATS

Paul Schultze, Danbury, Conn., assignor to Doran Brothers, Incorporated, Danbury, Conn.
Application April 11, 1939, Serial No. 267,224
23 Claims. (Cl. 223—20)

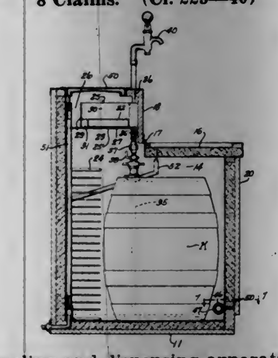


1. In a machine of the character described, in combination, a rotatable hat support, a tool support, a greasing tool operatively mounted on said tool support, means for effecting relative movement between said supports whereby a hat mounted on said hat support is greased between the tip and brim thereof, and means disassociated from said tool for heating said hat.

2,260,958

BEER COOLER

Albert R. Tomson, Milwaukee, Wis., assignor to Lamac Store Fixture Company, Milwaukee, Wis., a corporation of Wisconsin
Application May 21, 1938, Serial No. 209,193
8 Claims. (Cl. 225—40)

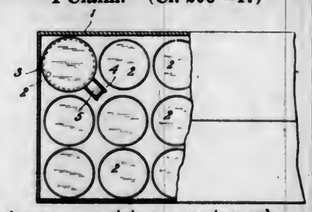


1. A cooling and dispensing apparatus for carbonated beverages comprising a cabinet having an ice chamber and a compartment, a receptacle containing the beverages to be dispensed disposed in the compartment and provided with a tap fitting, said cabinet having a cooling chamber overlying the compartment and in open communication therewith, a cooling pan disposed in the cooling compartment and adapted to contain ice, the top of the cabinet overlying the pan and the pan having alined openings, a tap rod extending through the alined openings and having its lower portion inserted in the receptacle and provided exteriorly of the cabinet and at its upper end with a faucet, and means associated with the opening of the pan for causing ice water to trickle down around the tap rod.

2,260,959

PACKAGE FOR CANNED GOODS

William Martin Vogel, Montclair, N. J.
Application April 10, 1940, Serial No. 328,815
1 Claim. (Cl. 206—47)

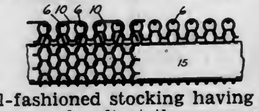


A package comprising a rectangular container of conventional size in which at least four filled cans of like size and shape are packed, said cans being arranged in slightly spaced side-by-side relationship in at least two rows, said cans being all of like cylindrical shape and forming spaces between them, a drinking receptacle of a shape similar to that of the cans and of slightly larger size fitting over one of the cans in the container, said drinking receptacle having a handle portion extending from one side thereof and fitting into the space between four of the cans when said drinking receptacle is disposed over one of the cans, said drinking receptacle being capable of fitment over any one of the cans in the container.

2,260,960

HOSIERY AND MAKING SAME

Lester D. Wagenhorst, Reading, Pa., assignor to The Nolde and Horst Company, Reading, Pa., a corporation of Pennsylvania
Application February 5, 1940, Serial No. 317,257
4 Claims. (Cl. 66—173)

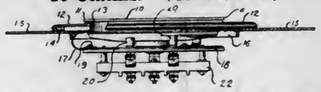


2. A full-fashioned stocking having a leg portion and a turned welt at the upper edge of the latter, each loop of the initial course of the turned welt being interknitted with two loops in the terminal course of the welt.

2,260,961

HEATING ELEMENT MOUNTING

Carl J. Weinhardt and Cecil H. Gunthorp, Indianapolis, Ind., assignors to Liberty Electric Company, Indianapolis, Ind., a corporation of Indiana
Application April 22, 1940, Serial No. 330,934
10 Claims. (Cl. 219—37)



1. Means for mounting a heating unit on a table or stove top over a hole therethrough, comprising a flange extending around and laterally from the unit, an encircling ring having an upturned inner edge on which said flange rests, and a heat insulating gasket around and under said

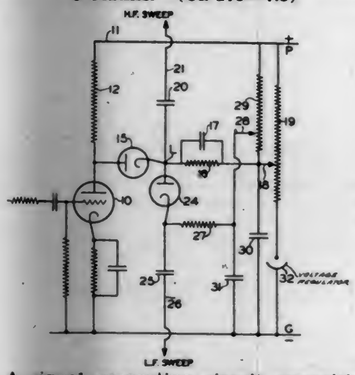
ring at its outer edge, said outer edge being formed to retain said gasket against lateral displacement, whereby said gasket bears against said top between it and said ring around said top hole.

2,260,962
DISPENSING PACKAGE FOR INDICATOR PAPER
Wayne E. White, Oakmont, Pa., assignor to Fisher Scientific Company, Pittsburgh, Pa.
Application October 14, 1939, Serial No. 299,484
1 Claim. (Cl. 206—52)



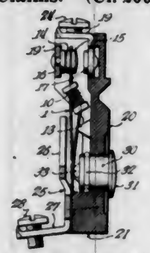
A package comprising a roll of indicator paper enclosed in a container, the indicator paper being characterized by susceptibility of change in color by certain liquid or gaseous media, said container comprising a pair of end closures, an intermediately disposed narrow relatively thick, substantially continuous band having a slot through which the indicator paper extends, said band being composed of edgewise compressible material, means carried by at least one of said end closures for preventing the radial displacement of said band, and means for clamping said end closures against said band with sufficient force to edgewise compress and thicken the material of the band and thereby tend to close the slot and thus cause the slot to embrace said paper sufficiently closely to prevent the ingress therebetween of liquid or gaseous media at atmospheric pressure, said band and end closures being constructed and arranged to exclude liquid or gaseous media at atmospheric pressure, whereby the change in color of the enclosed portion of said paper is prevented.

2,260,963
SELECTING CIRCUIT
Marshall P. Wilder, Maplewood, N. J.
Application May 6, 1938, Serial No. 206,325
8 Claims. (Cl. 178—7.3)



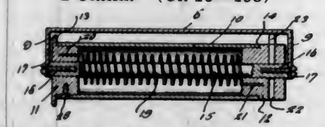
1. A signal separating circuit comprising an amplifier, means to supply signals to said amplifier, a single integrating circuit, a rectifying device connected between said amplifier and said integrating circuit, means to render said rectifying device operative to pass to the integrating circuit only those signal outputs from said amplifier whose amplitude departs from a predetermined value in one direction only, a unilateral conducting device connected to said integrating circuit at the junction of said rectifying device and said integrating circuit, means to render said unilateral conducting device operative to pass energy from said integrating circuit only when said energy exceeds a predetermined value, terminal means to derive control signals from the signal output of said rectifying device, and terminal means to derive other control signals from the energy passed by the unilateral conducting device.

2,260,964
SNAP SWITCH
Gustav O. Wilms, Milwaukee, Wis., assignor to Allen-Bradley Company, Milwaukee, Wis., a corporation of Wisconsin
Application October 19, 1938, Serial No. 235,760
14 Claims. (Cl. 200—67)



1. An electric switch comprising means movable back and forth in a fixed path between two positions to cause engagement and disengagement of a movable contact with a stationary contact, a contact spring engaging said means and arranged to shift said means to either position by tilting said spring, a movable actuating spring, arranged between a support and said contact spring at its end opposite said means, to maintain said contact spring under compression in either position and deflectable between said support and said contact spring to maintain the compression of said contact spring to keep said contacts in engagement and store energy to tilt said contact spring to disengage said contacts after said actuating spring is moved a predetermined distance and sufficient energy has been stored therein to counterbalance the expansion of said contact spring, and an actuator applied to the actuating spring intermediate its ends to deflect said actuating spring.

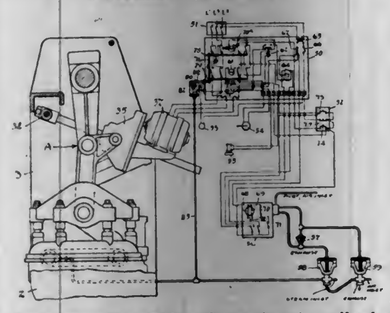
2,260,965
SASH BALANCE
Harold J. Belcher, Algiers, La.
Application August 21, 1940, Serial No. 353,574
1 Claim. (Cl. 16—198)



A sash balance for a window comprising a bracket adapted to be attached to the window frame at the top thereof, a shaft rigidly fixed to the bracket, a cable winding cylinder rotatably mounted at one end on the shaft, a cylinder tensioning spring coiled around said shaft within

said cylinder and operatively connected to the cylinder to rotate the same and wind said cable, and means to variably tension said spring comprising a bushing on said shaft extending part way into the other end of the cylinder to rotatably mount said end, said bushing being rotatable on said shaft and embodying radial circumferentially spaced bores for insertion of an instrument therein selectively to rotate the bushing in a direction opposing the spring, and a pin for insertion in said bores selectively and coacting with said bracket to block rotation of the bushing in the opposite direction.

2,260,966
VULCANIZER
James W. Brundage, Akron, Ohio, assignor to Summit Mold and Machine Company, Akron, Ohio, a corporation of Ohio
Application June 13, 1938, Serial No. 213,402
5 Claims. (Cl. 18—17)



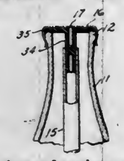
1. In apparatus of the character described, the combination of separable mold sections which, when in contact with each other, define a curing chamber therebetween, a toggle linkage movably supporting one of said mold sections, a fluid pressure responsive device adapted to be connected with said curing chamber, and means actuable by said fluid pressure device for interposing a physical obstruction in the path of movement of said toggle linkage to thus physically block the opening movement of said toggle linkage.

5. In a molding press, the combination of separable mold sections, means including an electric motor for moving said mold sections relatively toward each other to define a curing chamber therebetween and to separate said mold sections at the conclusion of a curing operation, control means for said motor including a timer and power switch, the timer being effective at the end of a cure to close said power switch to energize the motor for opening movement of the press, a safety device functionally responsive to fluid pressure within the curing chamber, and a movable element actuated by said safety device to contact the power switch and prevent said power switch from being moved to closed position by said timer when pressures in said curing chamber are above a predetermined minimum.

2,260,967
COMPLEX QUATERNARY AMMONIUM SALT
Herman A. Bruson, Philadelphia, Pa., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa.
No Drawing. Application December 10, 1938, Serial No. 244,923
14 Claims. (Cl. 260—404)

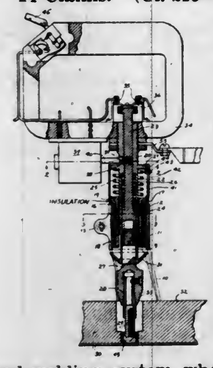
1. A quaternary ammonium salt of an organic carboxylic acid ester of a nitrogenous phenolic condensation product obtained from a methylol-forming phenol with at least one molecular equivalent each of formaldehyde and a strongly basic, non-aromatic secondary amine.

2,260,968
SIPHON BOTTLE AND CAP
Nat Cordis, Los Angeles, Calif.
Application February 4, 1938, Serial No. 188,718
3 Claims. (Cl. 215—4)



3. In a container having a discharge neck, a penetratable sealing member in said neck, a metallic retaining cap fitting over said neck and holding said member in place and said cap having a central perforation adapted to permit the passage of a sealing member piercing stem of a discharge valve therethrough; said sealing member comprising a hollow stem arranged axially in the neck of said bottle and spaced from the sides thereof, means sealing said stem intermediate the ends thereof, and a siphon tube fitting over said stem in frictional engagement therewith, said siphon tube frictionally engaging said stem and extending upwardly over the same to a point where it surrounds at least a part of that portion of said stem wherein is located said stem sealing member.

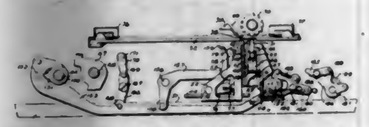
2,260,969
END WELDING DEVICE
John D. Crecca, United States Navy, Samuel S. Scott, St. Albans, N. Y., and Albert M. Candy, La Grange, Ill.
Application September 4, 1940, Serial No. 355,372
14 Claims. (Cl. 219—4)



9. An end-welding system wherein an arc is initiated without conductive contact of a member and a piece to be end-welded thereto, comprising a supporting frame adapted to rest against said member, an element slidable in said frame, means carried by said element to hold a said piece, means fixed on said frame to cooperate with said element and fix the position of said element with said piece at the proper arc distance from said member, circuit means to supply current to said system including a circuit portion carried by said element to be conductively in-

cluded in said circuit means when said piece is at said arc distance but not so included when said element moves to a different position, and means to effect welding of said piece to said member.

2,260,970
IMPRESSION MECHANISM
Irvin L. Elder, Chicago, Ill., assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application June 4, 1938, Serial No. 211,838
15 Claims. (Cl. 101—212)



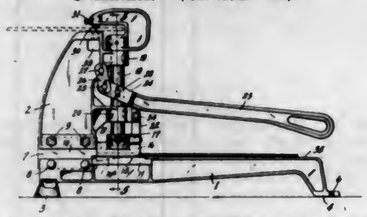
2. In a machine adapted to print on inserted record materials of different thicknesses, the combination of type carriers for printing on said materials; an adjustable impression member for taking impressions from said type carriers; a control element for controlling the adjustment of said member; a bar carrying both the control element and the impression member; means for imparting vertical movement to said bar to cause said control element to coact with the inserted record material to automatically adjust the impression member relatively to the type carriers according to the thickness of said record material; and means for moving the adjusted impression member, while the impression member remains in adjusted position relative to said type carriers, to engage the impression member with the type carriers to cause uniform impressions to be made on said record material regardless of the thickness of the record material.

2,260,971
PROCESS OF MAKING ION-EXCHANGING PREPARATIONS AND PRODUCT THEREOF
Paul C. Goetz, Mount Holly, N. J., assignor to The Permutit Company, New York, N. Y., a corporation of Delaware
No Drawing. Application November 20, 1937, Serial No. 175,733
9 Claims. (Cl. 252—193)

1. In the manufacture of a carbonaceous ion exchange material, the step of subjecting a carbonaceous material of the class consisting of anthracite coal, bituminous coal, lignites, coke, wood, charcoal, peat, cork, pitch, and thickened sulfite waste liquor to the simultaneous action of a strong sulfating agent and a relatively small proportion of at least one oxidation promoting agent selected from the class consisting of alum, hydrogen peroxide, perchlorates, arsenates, arsenic acid, manganese dioxide, chromic acid, and the oxidizing salts of chromium, manganese, cobalt, nickel and iron, for a sufficient length of time to sulfate and materially improve the ion-exchange value of the carbonaceous material.

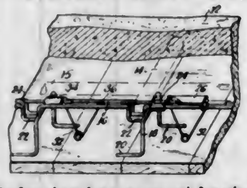
7. A solid, water insoluble granular ion-exchanging carbonaceous product prepared for the treatment of water containing dissolved salts by subjecting a carbonaceous material of the class consisting of anthracite coal, bituminous coal, lignites, coke, wood, charcoal, peat, cork, pitch and thickened sulfite waste liquor to a sulfating treatment by the simultaneous action of a strong sulfating agent and a relatively small proportion of an oxidation promoting agent selected from the class consisting of alum, hydrogen peroxide, perchlorates, arsenates, arsenic acid, manganese dioxide, chromic acid, and the oxidizing salts of chromium, manganese, cobalt, nickel and iron.

2,260,972
SHINGLE CUTTER
Severin N. Gundlach, Belleville, Ill.
Application December 27, 1938, Serial No. 247,748
6 Claims. (Cl. 164—15)



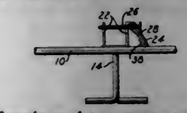
1. A cutting device comprising an elongated base member having a work supporting surface, an opening extending downwardly from said surface and opening through one side of said base member and an upright at one end of said opening, plates secured to said base member on opposite sides of said opening at the upper end thereof, a plunger mounted for vertical reciprocating movement in said upright above said opening, a knife secured to the lower end of said plunger and adapted to work against the opposed edges of said plates, the thickness of said upright corresponding substantially to the thickness of said knife immediately above said base member, a member secured to the upper end of said plunger and having a portion overhanging the upper end of said upright, a punch mounted on and depending from the overhanging portion of said last mentioned member, a die in the upper end of said upright in position to receive said punch, said knife having an upstanding lug and said upright having a vertical slideway for said lug, and a pair of screws threaded into said upright in abutting relation to the opposite sides of said lug, the upper work supporting surface of said base member having a longitudinal guide line thereon disposed in substantial alinement with one longitudinal edge of said knife.

2,260,973
CONCRETE REINFORCEMENT SPACER
Harry Healey and Joseph J. Cassidy, Detroit, Mich.
Application March 10, 1939, Serial No. 261,036
8 Claims. (Cl. 72—122)



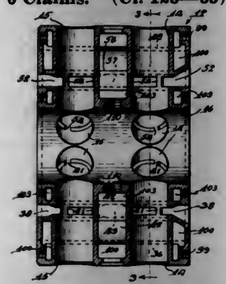
7. A reinforcing bar support having a seat into which a rod may be received and retained, a retainer pin guide on said support adjacent said seat formed of a strip of metal bent in such a shape that at least two portions thereof extend in spaced parallel relationship, said portions being apertured in alignment, and a retainer pin bodily lengthwise movable through the apertured portions and adapted in one position to overlie the seat.

2,260,974
REINFORCEMENT SPACER
Harry Healey and Joseph J. Cassidy, Detroit, Mich.
Application August 12, 1939, Serial No. 289,726
6 Claims. (Cl. 72—122)



1. A reinforcing bar support comprising a stringer, an upwardly open U-shaped reinforcing bar saddle element mounted on said stringer and forming a seat for a reinforcing bar, the two legs of the U-shaped seat provided with apertures in alignment at a level above that of a reinforcing bar received in said seat, and a retainer pin bodily lengthwise movable in said apertures and adapted in one position to overlie the seat and lock a reinforcing bar therewithin, and a flexible metal strip engaging the retainer pin and yieldingly urging it against one side of one of said apertures.

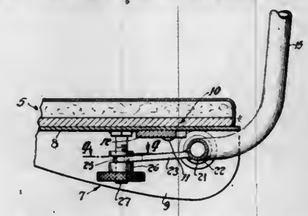
2,260,975
INTERNAL COMBUSTION ENGINE
Rasmus M. Hvid, Wilmette, Ill.
Application August 15, 1938, Serial No. 224,940
6 Claims. (Cl. 123—55)



1. In an internal combustion engine, the combination of a substantially cylindrical block having a plurality of annularly spaced passageways extending axially throughout the length thereof and having a plurality of radially extending cylinder bores arranged intermediate said annularly spaced passageways, said block also having a plurality of relatively flat passageways extending axially thereof interconnecting certain of said annularly spaced passageways and intersecting said cylinder bores, the intersections of said relatively flat passageways and said cylinder bores being interrupted only by narrow bridging members extending transversely of said flat passageways and forming continuations of the walls of said cylinder bores, whereby valve ports are provided extending substantially entirely around the circumference of said cylinder bores, and means secured to the opposite ends of said cylinder block for closing one end of all of said axial passageways, and for connecting the other ends of certain of said passageways to inlet means and to exhaust means respectively.

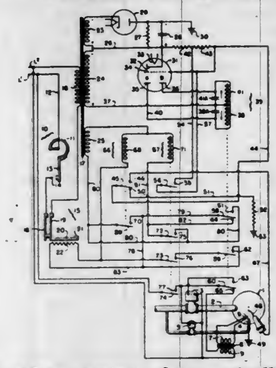
2,260,976
CHAIR
Arthur E. Jones, Elkhart, Ind., assignor to Posture Research Corporation, Elkhart, Ind., a corporation of Indiana
Application December 24, 1938, Serial No. 247,649
2 Claims. (Cl. 155—152)

1. A chair embodying therein a seat, a vertically depending flange at each side of the seat, a horizontally disposed axis bar journalled at its ends between the vertically depending flanges, means carried by said axis bar and extending upwardly and rearwardly therefrom for supporting a back rest, an arm fixed to and extending forwardly from said axis bar adjacent one of said flanges, a threaded member depending adjacent



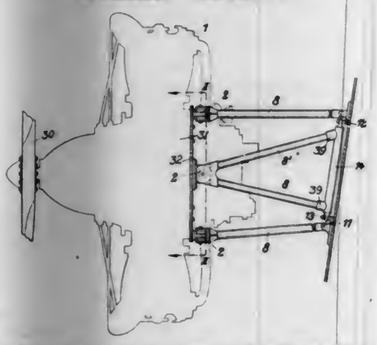
one side of the seat, a nut positioned on said threaded member and turnable by the occupant of the chair, said nut having an annular groove therein, and a bifurcation at the free end of said arm and engaged in the groove in the nut to impart a swinging movement to said arm for rocking said axis bar when said nut is turned in either direction on said threaded member.

2,260,977
CONTROL APPARATUS
Harry S. Jones, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 14, 1940, Serial No. 352,643
6 Claims. (Cl. 158—28)



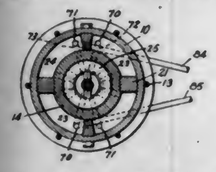
1. A safety system for controlling a fuel burner, comprising in combination, control means which in a first condition permits said burner to produce a flame, and in a second condition prevents said burner from producing a flame, a pair of electrodes insulated from each other and exposed to a flame of said burner, two electric discharge devices having output circuits with different characteristics and a common input circuit including said flame electrodes adapted to control the flow of current in said output circuits, thereby making the output currents vary in accordance with the flame conductivity between the electrodes, and means responsive to said output currents to cause said control means to assume said first condition when said output currents are substantially equal, and to cause said control means to assume said second condition when said output currents differ more than a predetermined amount.

2,260,978
ENGINE SUPPORT
Friedrich Klein and Konrad Eichholtz, Dessau, Germany, assignors to Junkers Flugzeug-und-Motorenwerke, A. G., Dessau, Dessau, Germany, a corporation of Germany
Application March 7, 1939, Serial No. 260,309
In Germany March 14, 1938
2 Claims. (Cl. 248—5)



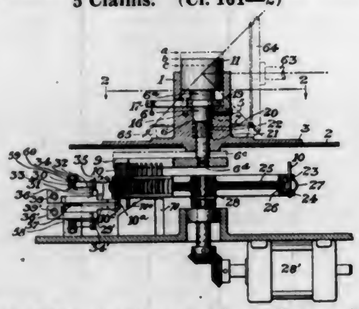
2. In a device connecting an engine to a supporting body and having a plurality of supporting elements, means pivotally connecting each of said supporting elements to said supporting body and connecting elements attached to the engine; means connecting each supporting element to a separate connecting element and comprising rubber discs situated on both sides of one of these elements, the other element having means embracing said rubber discs and said one element, and a bolt extending through openings formed in said rubber discs, the disc-embracing means and said one element and being secured to the disc-embracing means, while extending with play through said one element and the rubber discs.

2,260,979
HYDRAULIC DEVICE
George G. Morin and Emile J. Carleton, Holyoke, Mass.
Application April 15, 1938, Serial No. 202,262
5 Claims. (Cl. 121—46.5)



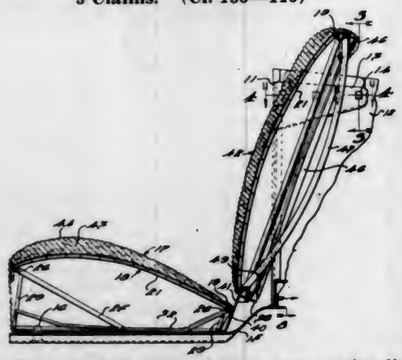
4. A control valve comprising a cylindrical casing, a sleeve within the casing and spaced radially therefrom, chamber-defining vanes extending between and secured alternately to the casing and to the sleeve, pairs of ports extending through the sleeve on opposite sides of those vanes secured to the sleeve, a control member within the sleeve having inlet and outlet ports to register with the ports in the sleeve, means for supporting a single compression spring against elongating movement in either direction, means operated by rotation of the sleeve in either direction for compressing the spring to cause displacement of the sleeve to vary with the pressure built up in the chambers, and fluid connections from said chambers to a fluid device to be controlled.

2,260,980
TIME OF FLIGHT SIGNALING DEVICE
William H. Newell, New York, N. Y., assignor to Ford Instrument Company, Inc., Long Island City, N. Y., a corporation of New York
Application June 28, 1938, Serial No. 216,276
5 Claims. (Cl. 161—2)



1. An alarm device comprising a time controlled rotary member, a plurality of displaceable actuating members carried by the rotary member, means for selectively displacing the actuating members to one of two positions, and two alarm circuits each including a switch, one switch being disposed in the paths of the actuating members in one displaced position and the other switch being disposed in the paths of the actuating members in their other displaced position.

2,260,981
SEAT CONSTRUCTION
Frank M. Shanahan, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application July 29, 1938, Serial No. 222,007
3 Claims. (Cl. 155—116)

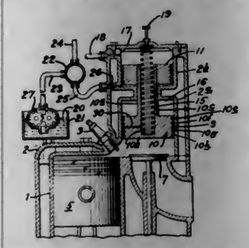


3. In a vehicle body having eyes extending from the inner surface of the sides thereof, a seat cushion, a back cushion, a pair of straps extending across the transverse dimensions of said seat cushion and extending from the rear edge thereof, said extending portions having apertures therein, a back cushion having projections engageable with said apertures, and hooks projecting from the sides of said seat back engageable with the eyes on the body sides.

2,260,982
INTERNAL COMBUSTION ENGINE
Brooks Walker, Piedmont, Calif.
Application March 21, 1939, Serial No. 263,179
5 Claims. (Cl. 123—78)

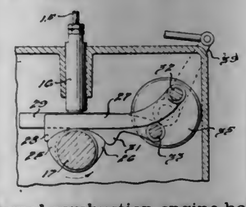
1. In an internal combustion engine having an

engine cylinder, a combustion space in said cylinder, an auxiliary piston communicating directly with said combustion space, a second piston, yieldable means urging said second piston in one direction, a closed space filled with a liquid be-



tween said auxiliary piston and said second piston whereby when one of said pistons moves the other will move also, a restriction in the fluid path between said auxiliary piston and said second piston, said restriction being of variable area depending on the position of said auxiliary piston.

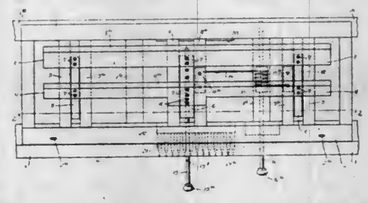
2,260,983
CONTROL MEANS FOR INTERNAL COMBUSTION ENGINES
Clinton L. Walker, Piedmont, Calif.
Application March 22, 1939, Serial No. 263,421
14 Claims. (Cl. 123—98)



1. An internal combustion engine having a plurality of intake and exhaust valves including, in combination, a cam shaft having a plurality of cams thereon, tappets associated with each of said cams, means interconnecting said tappets to said valves for producing the operation thereof when the tappet is moved, cam following levers having a cam thereon disposed between the cams of the cam shaft and the tappets, means for shifting said levers to vary the degree of contact between the cams of said levers and those of the shaft, means for connecting the cam following levers for the exhaust valves to an actuating element, means for connecting the levers of the intake valves to another actuating element, and common means for operating said actuating elements simultaneously for moving said levers.

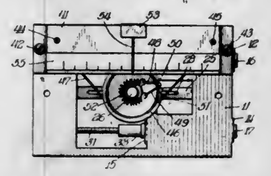
2,260,984
KEYBOARD FOR PIANOFORTES AND OTHER INSTRUMENTS WITH SIMILAR KEYBOARDS
William George Beaver, Birkdale, England
Application March 16, 1939, Serial No. 262,266
In Great Britain March 16, 1938
6 Claims. (Cl. 84—447)

1. A combination with a pianoforte having a supporting frame and a keyboard for the action mechanism of the pianoforte, means for shifting said keyboard upon said supporting frame and indicating its position relative to the action mechanism of the pianoforte comprising a laterally movable frame slidably mounted upon said supporting frame, a keyboard engaging and disengaging frame slidably supported upon said laterally movable frame, the keyboard being mounted upon said keyboard engaging and disengaging frame, means for sliding said keyboard engaging and disengaging frame whereby the keyboard mounted thereupon may be raised and



lowered, means for locking said laterally movable frame against movement when said keyboard is in its lowermost position, means for transmitting a lateral sliding movement to said laterally movable frame when the same is released from said locking means and said keyboard is raised to its elevated position and means for indicating the position of said keyboard with respect to said supporting frame of the pianoforte.

2,260,985
RADIO CONTROL DEVICE
Harold Z. Benton, Glencoe, and Lloyd P. Morris, Chicago, Ill., assignors to Crowe Name Plate & Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application August 13, 1940, Serial No. 352,360
4 Claims. (Cl. 74—10)

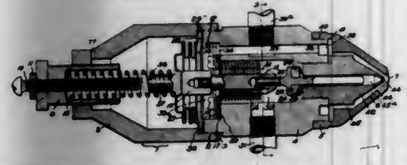


1. In apparatus for radio tuning purposes, the combination of a frame, spaced supports on said frame, a reciprocating slide guided through said spaced supports, a control shaft journalled in said spaced supports substantially parallel with said slide, cable connections from said shaft to the opposite ends of said slide for effecting reciprocation of said slide in opposite directions and a screw having adjustable screw engagement with said slide, said screw extending from said point of adjustable engagement with said slide substantially parallel with said slide and shaft for effecting operation of a radio tuning element.

2,260,986
SOLDERING FLUX
John D. Coleman, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
No Drawing. Application November 18, 1939, Serial No. 305,208
10 Claims. (Cl. 148—25)

1. In a process of soldering metals, the step of applying a soldering flux containing as a surface active wetting agent a polyether derivative of a monohydroxyl alcohol having more than five carbon atoms.

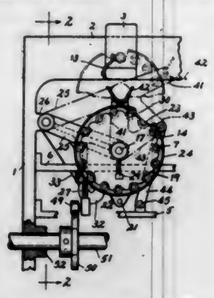
2,260,987
HUMIDIFYING HEAD
George A. D'Arcy, Newton, and James R. Rabbitt, South Hanover, Mass., assignors to Rhode Island Humidifier & Ventilating Co., Boston, Mass., a copartnership composed of George W. D'Arcy and George A. D'Arcy
Application June 22, 1939, Serial No. 280,554
5 Claims. (Cl. 299—140)



5. A humidifying head comprising a body section, a valve section thereon with a liquid chamber therein, an inner nozzle on the valve section outer end with a liquid passage therethrough from said liquid chamber, and a valve seat on said nozzle inner end for the liquid passage, a water port in said chamber leading to a source of water supply; an outer nozzle on said valve section outer end and about the inner nozzle and spaced therefrom, and a curvilinear recessed air passage in an upright plane in the nozzle end of the valve section and opening into the space between said nozzles, said latter space providing a narrow and deep ring-like chamber, and, connected thereto, a relatively wide, shallow, sleeve-like chamber, and connected thereto a cone-like chamber varying in width, said chambers progressively, relatively positioned between the nozzles but successively of less width and creating, in combination, when the head is in operation a swirling, velocity-building body of air, and, at the inner nozzle tip, effecting forceful atomization of the liquid; an air port in the valve section and a duct leading therefrom through the valve section to the said curvilinear passage in the valve section end, and also leading to the opposite end of the valve section to admit air to operate said head; a liquid valve in said liquid chamber on said seat therefor on the water nozzle inner end, a normally expanded liquid valve-closing bellows on one end of the liquid valve stem in said valve section; and a larger normally contracted liquid-valve-opening bellows on the opposite end of said valve stem in said body section, a common air chamber in and between said body and valve sections connected with the said air duct and for both valve-operating bellows, both said valve bellows operating cooperatively through said common air duct and chamber; and a spring on the liquid valve stem normally acting to limit the action of the valve-opening bellows and to assist the action of the valve-closing bellows, and means in the body section and on said valve-opening bellows for adjusting the tension of said spring in accordance with the air and water pressure used.

2,260,988
COP FRAME
Heinrich Dersen, Krefeld, Germany
Application February 28, 1940, Serial No. 321,263
In Germany December 13, 1938
9 Claims. (Cl. 242—1)

1. In a cop frame the combination with means for supporting a cop tube in winding position, of a rotary carrier adapted to sustain around its periphery a plurality of cop tubes, the said carrier being adapted to be moved to and from a position with one of the sustained cop tubes in alignment with said cop-supporting means, and means for rotating said carrier, whereby on successive movements of the carrier successive carrier-borne cop tubes come to alignment with said cop-supporting means.



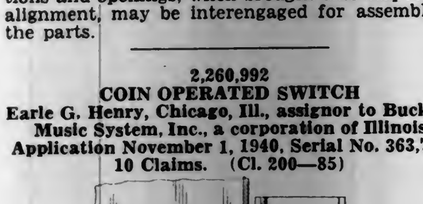
2,260,989
HEDDLE BAR MOUNTING
Samuel R. Floyd, Atlanta, Ga., assignor to Frank G. North, Inc., Atlanta, Ga., a corporation of Georgia
Application November 13, 1939, Serial No. 303,982
8 Claims. (Cl. 139—92)



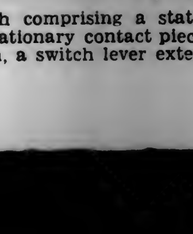
1. The combination with a heddle frame comprising a horizontally extending rail and a horizontally extending flat heddle bar having greater width considered vertically than thickness considered horizontally, a heddle bar securing device including a flat plate extending in the plane of the heddle bar, having a screw at one end engaging in the rail and provided on one side with a wide recess in which the heddle bar is fitted flatwise to provide a wide flat bearing between the bottom of the recess and the adjacent flat side of the heddle bar, and a retaining bar constituting a keeper carried by the plate in flatwise engagement with the opposite side of the heddle bar and means for resiliently mounting the retaining bar, and said retaining bar acting resiliently in a direction transversely of the flat sides of the heddle bar to clamp the heddle bar snugly between the two broad faces provided by the bottom of the recess and by the flexible retaining bar.

2,260,990
MANUFACTURE OF MOTOR FUELS
Arthur R. Goldsby, Beacon, N. Y., and Theodore A. Mangelsdorf, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
Application June 11, 1938, Serial No. 213,148
9 Claims. (Cl. 196—10)

1. A process for the alkylation of isoparaffins with olefins, which comprises passing strong sulfuric acid and low boiling isoparaffins in excess of the olefins serially through a plurality of reaction stages and introducing the olefins in portions into a plurality of said stages of reaction.

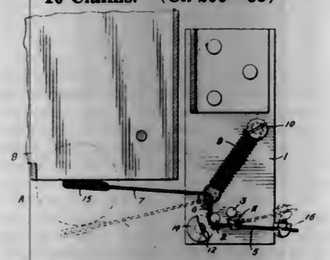


2,260,991
PHOTOGRAPHIC LENS BARREL ADJUSTING MEANS
Archie H. Gorey, Irondequoit, N. Y., assignor to The Folmer Graflex Corporation, Rochester, N. Y., a corporation of Delaware
Application July 24, 1940, Serial No. 347,263
16 Claims. (Cl. 88—57)



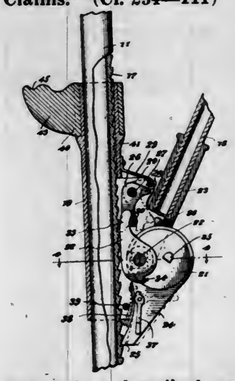
1. Means for rigidly but detachably securing a photographic lens barrel to a camera casing, comprising in combination, a lens barrel having a lens, a cover or mounting ring upon the camera casing to receive the lens barrel, the latter having a plurality of spaced, laterally extending, formations, one of which is of irregular contour having portions of different radial extent, the said cover or mounting ring having a like plurality of correspondingly spaced openings, at least one whereof is of the same irregular contour as that of the said irregular formation adapted to receive it, whereby the said formations and openings, when brought into respective alignment, may be interengaged for assembling the parts.

2,260,992
COIN OPERATED SWITCH
Earle G. Henry, Chicago, Ill., assignor to Buckley Music System, Inc., a corporation of Illinois
Application November 1, 1940, Serial No. 363,797
10 Claims. (Cl. 200—85)



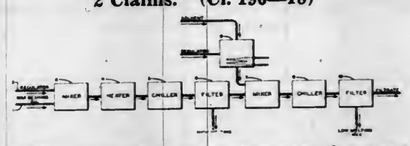
1. A switch comprising a stationary contact pin and a stationary contact piece spaced apart from the pin, a switch lever extending past one side of the pin and toward said contact piece for engagement with the latter, said lever having a bearing seat for the pin to enable it to have rocking and sliding movements in a single plane on said pin, and a light spring tending yieldingly to hold the lever against the pin and out of engagement with said contact piece.

2,260,993
JACK
Clarence S. Johnston, Amarillo, Tex.
Application January 9, 1940, Serial No. 313,106
6 Claims. (Cl. 254—111)



1. A jack of the class described comprising a standard, a sleeve having article lifting means, said sleeve being slidably mounted upon the standard, a retaining latch carried by the sleeve, the sleeve having means to be engaged by the retaining latch to hold the sleeve against descent, a lifting latch pivoted upon said sleeve and engaging the standard for moving the sleeve upwardly, an eccentric engaging the lifting latch, an operating handle for actuating the eccentric and elevating the sleeve as the operating handle is swung in one direction, means actuated by the eccentric for moving the retaining latch to an inoperative position when the operating handle is moved to one position, and means for engaging the retaining latch for moving the retaining latch to an operative position when the operating handle is moved to a second position.

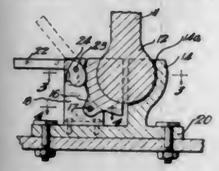
2,260,994
SEPARATION OF WAX FROM OIL
Edwin C. Knowles, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application October 17, 1936, Serial No. 106,198
2 Claims. (Cl. 196—18)



1. The method of removing wax from wax-bearing mineral lubricating oil containing high and low melting point wax constituents by filtration wherein high melting point wax is removed in a preliminary filtration and low melting point wax removed in a subsequent filtration, comprising mixing the wax-bearing oil with a dewaxing solvent, incorporating in the oil a wax crystal modifier comprising montan wax, chilling the

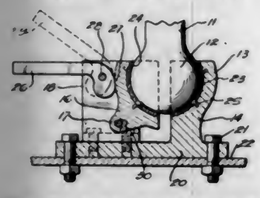
mixture to a temperature of around 35 to 80° F. to precipitate high melting point wax, removing the precipitated wax in the presence of the montan wax, incorporating in the remaining solution a different wax crystal modifier for low melting point wax and which is partially soluble in the wax-bearing mixture at above the dewaxing temperature, chilling the mixture to a temperature of around 0° F. and below to precipitate low melting point wax, and removing the precipitated wax in the presence of the modifier for low melting point wax.

2,260,995
MOUNTING FOR VISES
Andrew Kruczek, Detroit, Mich.
Application December 23, 1939, Serial No. 310,751
1 Claim. (Cl. 287—21)



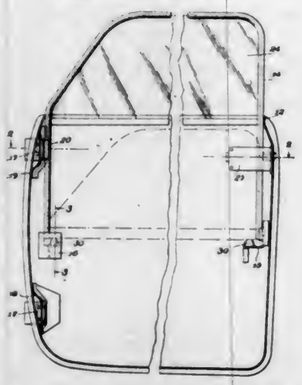
A mounting for an article having a depending supporting column formed with a ball at its lower end, said mounting comprising a base, a hemispherical socket split vertically and having a stationary section and a movable section, the stationary section being fixed at its lower end to said base, bearing plates carried by the base and extending upwardly therefrom in transverse spaced relation to each other, said plates being reduced in width towards their upper ends and having their inner side edges curved longitudinally from their upper ends, lower portions of the bearing plates being formed with horizontally extending slots, an ear extending outwardly from the lower portion of the movable section between said bearing plates, a pin passed through the ear and the slots to mount the movable section for pivotal movement and sliding movement towards and away from the stationary section, and a cam pivotally mounted between upper portions of the bearing plates and having an actuating handle for manually turning the cam about its pivot and into engagement with the movable section to shift the movable section towards the stationary section and cause the ball to be frictionally gripped in the socket between the said sections and the pedestal held at an adjusted angle.

2,260,996
MOUNTING FOR VISES
Andrew Kruczek, Detroit, Mich.
Application February 17, 1941, Serial No. 379,251
1 Claim. (Cl. 287—12)



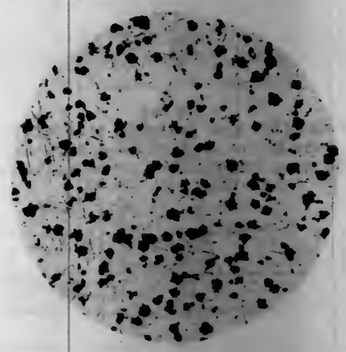
A mounting for an article having a depending supporting column formed with a ball at its lower end, said mounting comprising a base, a hemispherical socket split vertically and having a stationary section and a movable section, the inner surfaces of both the stationary and the movable sections being lined with a braking material to increase friction, the stationary section being fixed at its lower end to said base, bearing plates carried by the base and extending upwardly therefrom in transverse spaced relation to each other, said plates being reduced in width towards their upper ends and having their inner side edges curved longitudinally from their upper ends, lower portions of the bearing plates being formed with horizontally extending slots, an ear extending outwardly from the lower portion of the movable section between said bearing plates, a pin passed through the ear and the slots to mount the movable section for pivotal movement and sliding movement towards and away from the stationary section, and a cam pivotally mounted between upper portions of the bearing plates and having an actuating handle for manually turning the cam about its pivot and into engagement with the movable section to shift the movable section towards the stationary section and cause the ball to be frictionally gripped in the socket between the said sections and the pedestal held at an adjusted angle.

2,260,997
DOOR FOR CLOSED VEHICLES, ESPECIALLY FOR AUTOMOBILES
Joseph Ledwinka, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa., a corporation of Pennsylvania
Application August 16, 1938, Serial No. 225,089
In Germany August 20, 1937
3 Claims. (Cl. 296—44)



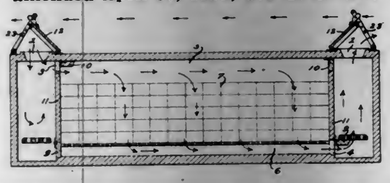
1. In a vehicle door comprising a window opening, a lower door body extening to the lower margin of said window opening only, a slot in the upper wall of said door body for the passage of a window pane, a bow forming the upstanding side members and the upper member of a frame surrounding said window opening, the upstanding members of said bow extending into the interior of said body through said slot, those extended portions being rigidly fastened to said body in the interior thereof, said bow consisting exclusively of two box sectional sections and a web formed portion, one of said sections being arranged on the outside and the other being arranged on the inside of said window pane, said two sections being rigidly connected by the transverse web-formed portion, said bow being adapted to be easily bent as a finished section into its final configuration.

2,260,998
MALLEABLEIZING CAST IRON
Clarence H. Lorig, Columbus, Ohio, assignor, by mesne assignments, of two-thirds to Interlake Iron Corporation, Chicago, Ill., a corporation of New York, and one-third to The Youngstown Sheet and Tube Company, Youngstown, Ohio, a corporation of Ohio
Application December 9, 1940, Serial No. 369,183
4 Claims. (Cl. 148—3)



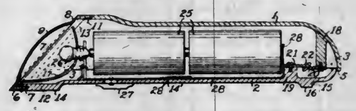
1. The method of malleableizing cast iron having substantially all the carbon in the combined state which comprises bubbling a hydrogen-containing gas through the iron while it is in a molten state, casting the iron, subjecting the cast iron to a temperature above 200° F. but below the lower critical temperature for a period sufficient to effect a refinement in carbon dispersion upon subsequent malleabilization and then subjecting the casting to a malleableizing heat treatment.

2,260,999
METHOD OF CIRCULATING AIR IN REFRIGERATOR CARS
Charles W. Mann, Pomona, Calif., assignor to Henry A. Wallace, Secretary of Agriculture of the United States of America, and his successors in office
Application January 23, 1939, Serial No. 252,422
1 Claim. (Cl. 98—6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



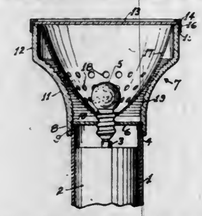
A method for controlling and directing air that has entered a forward empty ice bunker in a refrigerator car during transit by means of an exterior surface opening in a refrigerator car body, the baffle action produced by the walls of this plenum chamber causing the air to lose its initial velocity, thereby depositing in said chamber any heavier than air particles, the while forcing the air through an uppermost unobstructed opening in a wall of said chamber adjacent a loading compartment of the car, the air thence flowing across, downward, through and around lading in said car, and exhausting into a lowermost bulkhead opening at the end opposite that from which it initially entered the car, and thence upward through this empty ice bunker, and exhausting out of its hatch opening, the while sealing an uppermost wall of said ice bunker, thereby cooling, and removing from the loading compartment any gases present therein.

2,261,000
FLASHLIGHT
Bernard F. Muldoon, Mountainview, N. J., assignor to Henry Hyman, Brooklyn, N. Y.
Application September 29, 1938, Serial No. 232,257
3 Claims. (Cl. 240—10.6)



1. A flashlight casing, comprising upper and lower longitudinally extending sections each having a beveled end at an angle to the axis of said casing, a ring attached to the lower section and fitting its beveled end, said upper section having its end fitting against said ring, and a reflector in said casing having its edge parallel to said beveled ends and in proximity thereto.

2,261,001
FLASHLIGHT HEAD
Bernard F. Muldoon, Mountainview, N. J., assignor to Henry Hyman, Brooklyn, N. Y.
Application November 18, 1938, Serial No. 241,130
5 Claims. (Cl. 240—10.6)



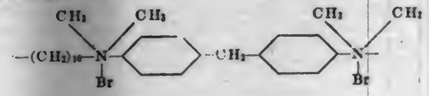
1. In a flashlight head a body portion of translucent material adapted to support a lens, a reflector in said body portion having perforations along its lower portion so that light rays are projected laterally from the lamp bulb through said reflector directly into contact with said body portion.

2,261,002
ORGANIC NITROGEN COMPOUNDS
David Moore Ritter, Claymont, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 17, 1941, Serial No. 398,496
28 Claims. (Cl. 260—570)

1. Process which comprises reacting in a ratio of from 0.61 to 1.16 mols diamine per mol of dihalide a dihalide wherein the halogen atoms have an atomic weight of at least 35 and are attached to singly bonded aliphatic carbon, with a ditertiary diamine in which, for each amino nitrogen, the radical joining the amino nitrogens and the remaining radicals are attached to the amino nitrogens through carbon and comprise at least two saturated radicals, the amine and halide being so selected that the sum of their radical lengths exceeds seven.

28. A linear polymeric quaternary ammonium

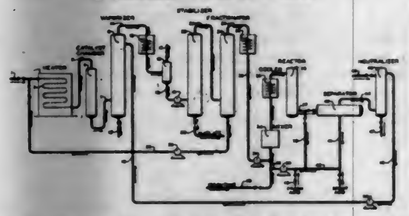
salt having recurring structural units of the formula



2,261,003
STABILIZED FUEL OIL
Eugene T. Scafe, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application December 5, 1939, Serial No. 307,604
4 Claims. (Cl. 44—9)

1. An unrefined light fuel oil of gas oil nature inhibited against the formation of sediment by oxidation under conditions of normal storage by the addition thereto of small amounts of di-cyclohexylamine.

2,261,004
MANUFACTURE OF MOTOR FUEL
Le Roy G. Story, White Plains, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application May 27, 1939, Serial No. 276,149
4 Claims. (Cl. 196—10)



1. A process for the manufacture of high anti-knock gasoline hydrocarbons, which comprises dehydrogenating normally gaseous hydrocarbons predominating in paraffins containing between 2 and 5 carbon atoms to form a hot mixture of paraffins and olefins, contacting said hot mixture with liquid products from an alkylation operation, thereby vaporizing said liquids to form a vaporous and gaseous mixture of dehydrogenation and alkylation products, fractionating said vaporous mixture to form an alkylate and a normally gaseous hydrocarbon fraction containing olefins and paraffins, fractionating said gaseous fraction to produce a fraction rich in olefins and a fraction rich in paraffins, charging said olefin-rich fraction to the alkylation operation wherein said olefins are alkylated with isobutane in the presence of an alkylation catalyst and returning said paraffin-rich fraction to the dehydrogenation operation.

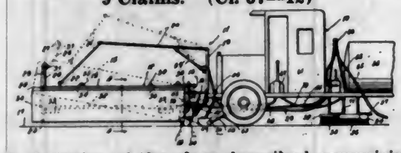
2,261,005
SNAP-ON CLOTHESPIN
Henry C. Thompson and Angelo De Stefano, Bogota, N. J., assignors to Bergen Plastics, Incorporated, Bogota Township, Bergen County, N. J., a corporation of New Jersey
Application January 24, 1940, Serial No. 315,442
2 Claims. (Cl. 24—252)

1. A clothespin comprising a pair of jaws, one of which is provided with circular segmental bearing recesses on opposite sides thereof, the other jaw having integral therewith a pair of spaced bosses on opposite sides thereof, having circular sections extending into said recesses respectively to afford a pivot mounting between said



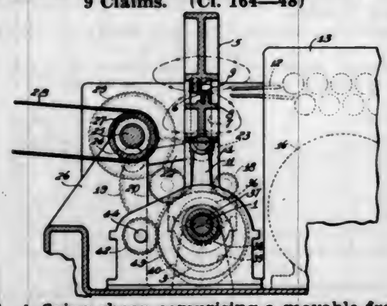
jaws, and spring means operatively associated with said jaw for urging said jaws together.

2,261,006
MELTING AND DRYING MACHINE
John B. Sweeney, McKeesport, Pa.
Application July 11, 1940, Serial No. 344,994
9 Claims. (Cl. 37—12)



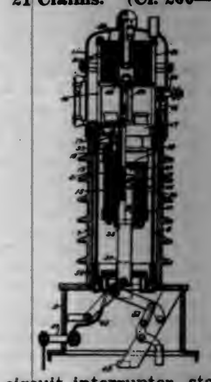
1. A device of the class described comprising a heating device mounted in front of and supported by a motor vehicle for receiving and melting snow on a surface over which the heating device is being moved, an elongated box disposed behind and transversely of the heating device, said box having an open front, a conduit leading from said box and having a discharge end projecting laterally from the vehicle, and a suction pump mounted on the vehicle for pumping water from the box through said conduit.

2,261,007
RECIPROCATING FLYING SHEAR
Howard H. Talbot, Pittsburgh, Pa., assignor to United Engineering and Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application November 9, 1940, Serial No. 365,049
9 Claims. (Cl. 164—48)



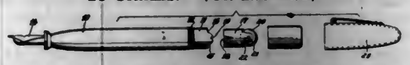
1. A flying shear comprising a movable frame, a blade rigidly mounted thereon, a blade carrier mounted for guided movement in said frame, a second blade secured to said carrier, a pair of eccentrics rigidly mounted relative to each other and rotatable on a common axis, an adjustable eccentric rotatably mounted on one of said eccentrics, means operatively connecting the other eccentric and the adjustable eccentric to said frame and movable blade carrier for reciprocating the blades toward and away from each other to cut strip material passing between them, means for oscillating the frame in the path of travel of said strip material, and means controlling the position of said adjustable eccentric relative to the eccentric supporting it for varying the frequency of the cuts made by the blades whereby to vary the length of the sheets cut from said strip material.

2,261,008
CIRCUIT INTERRUPTER
Roswell C. Van Sickle, Wilkinsburg, and Erik H. Hall, Turtle Creek, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 19, 1939, Serial No. 295,578
21 Claims. (Cl. 200—145)



1. In a circuit interrupter, stationary contact means, a movable contact piece coacting with said contact means to establish an arc when moved to the open circuit position, operating means releasably coupled to said contact piece for actuating said contact piece to the closed circuit position, and dashpot means for cushioning at least the initial engagement of said operating means with said contact piece during the closing operation of said interrupter.

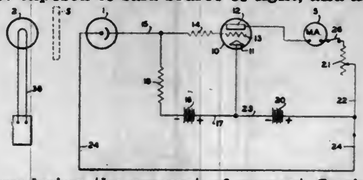
2,261,009
FOUNTAIN PEN WITH BLOTTER
Maurice J. Waldinger, Flushing, N. Y.
Application August 22, 1940, Serial No. 353,596
15 Claims. (Cl. 120—26)



1. A blotting attachment for fountain pens or the like, comprising a slightly tapering tubular member and a rotatable blotter mounted near the smaller end thereof, the larger end thereof being notched, whereby said tubular member is compressible for insertion into or removal from a cylindrical opening in a pen construction and resiliently frictionally engages the same when inserted therein.

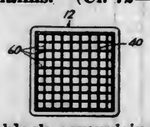
2,261,010
MEASURING DEVICE
Walter A. Weiss, Euclid, Ohio, assignor, by mesne assignments, to Cleveland Patents, Inc., Cleveland, Ohio, a corporation of Ohio
Application August 4, 1940, Serial No. 351,373
11 Claims. (Cl. 161—15)

1. A speed indicating device comprising a ballistic galvanometer, an electronic valve, a power circuit for connecting the galvanometer to a source of D. C. voltage through said valve, a light responsive device connected to said valve for operating the valve to render the power circuit operative with respect to the galvanometer when the light responsive device is exposed to a source of light and for operating the valve to render the power circuit inoperative with respect to the galvanometer when the light responsive device is not exposed to said source of light, and means



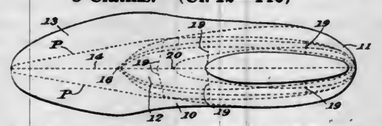
for rendering the amount of current flowing to the galvanometer substantially constant and substantially independent of voltage fluctuations caused by the light responsive device while the power circuit is operative, whereby the galvanometer meter fluctuates in response to the duration of current and is substantially unaffected by changes in intensity of the light to which the light responsive device is subjected.

2,261,011
BUILDING BLOCK
Otis W. Wiley, Port Allegany, Pa., assignor to Pittsburgh - Corning Corporation, Allegheny County, Pa., a corporation of Pennsylvania
Application June 29, 1939, Serial No. 281,815
2 Claims. (Cl. 72—41)



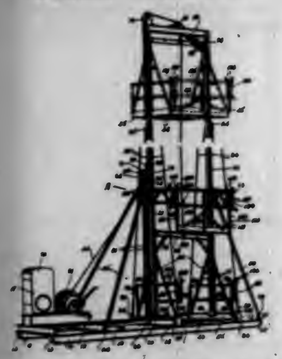
1. A building block comprising a hollow, insulating, light transmitting cell, having opposed light penetratable faces rigidly connected by a continuous rim forming a hermetically sealed air pocket, a series of spaced strands, and a second series of spaced strands transversely contacting the first series of strands and forming therewith a screen permanently confined within said block and spaced from the interior surface of at least one face of the block, each strand comprising glass fibers solidified with the rim of the block around the edges of the screen formed by said strands.

2,261,012
LAST AND METHOD OF MAKING
Royal C. Appleton, Brockton, Mass.; Leila H. Appleton administratrix of Royal C. Appleton, deceased
Application January 8, 1940, Serial No. 312,947
8 Claims. (Cl. 12—146)



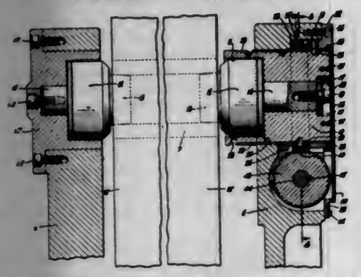
1. A last comprising heel, fore part, and cone portions, said last having a center line extending from the rear center of the heel portion to the front center of the fore part portion and establishing a central plane for the last, said cone portion having a central plane wholly included by the central plane of the last, and said last portions being formed to establish draft lines of equal length.

2,261,013
BUILDER'S TOWER
Ola L. Berby, Duluth, Minn., assignor to Clyde Iron Works, Duluth, Minn., a corporation of Maine
Application August 4, 1940, Serial No. 351,340
15 Claims. (Cl. 187—2)



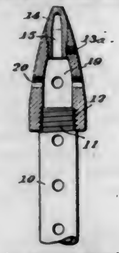
1. A builder's tower comprising a base, a pair of spaced guides extending upwardly from said base, a cross member connecting the upper extremities of said guides, parallel pivots connecting said cross member to said guides and connecting said guides to said base to form a parallelogram, an elevator supported by said guides including a platform which may be lowered below the level of said guides and below the level of said pivots connecting said guides to said base, and removable engaging means on said platform.

2,261,014
WEB ROLL FEEDING MECHANISM
David G. Bernard, Chicago, Ill., assignor to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois
Application April 21, 1939, Serial No. 269,137
8 Claims. (Cl. 242—68)



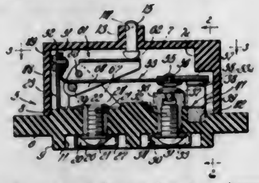
4. A mechanism for supporting and handling news print rolls including in combination supports for a news print roll at either end thereof, a roll-engaging spindle, a bearing member in which said spindle is mounted, said bearing member being mounted on one of said supports and being rotatably and longitudinally movable relatively to the support, and means for moving said bearing member longitudinally relatively to its support, comprising a gear wheel held against axial movement in the support and fixed angularly relatively to said bearing member, but slidable relatively to the bearing member, to rotate it and a driving gear journaled on said support and meshing with said gear wheel.

2,261,015
SOLDERING IRON
Samuel C. Brody, Brighton, Mass.
Application April 10, 1939, Serial No. 267,152
3 Claims. (Cl. 219—26)



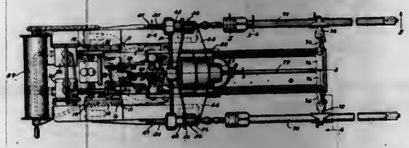
1. A soldering iron, comprising a tube along which heat is adapted to be sent, an axially disposed elongated heat conductor mounted upon the outer end of said tube and consisting of a hollow member open at its inner end to provide an attaching portion of enlarged area for engagement with said tube and open at its outer end to receive an inserted tip, said tip receiving portion being of reduced area, the intermediate portion of said member tapering forwardly from said enlarged tube attaching portion to said reduced tip receiving portion, and providing a heat concentrating chamber, and a soldering tip inserted through the open end of said tip receiving portion axially thereof and extending inwardly towards said chamber a substantial distance, said tip being closed at its outer end to provide an applicator point and having an internal bore which extends from said closed end in axial prolongation of said chamber and opens at its inner end into said chamber so that direct heat from said chamber may pass along said bore and be concentrated on said applicator point, the wall of said tip surrounding said bore being overlapped for a substantial distance by the forwardly tapering wall of said heat conductor so that indirect heat from said forwardly tapering wall may be concentrated on said tip wall throughout the distance of wall overlap.

2,261,016
SWITCH
Elis F. Carlson, Kenilworth, Ill., assignor of one-half to Oscar F. Carlson Company, Chicago, Ill., a corporation of Illinois, and one-half to Everett N. McDonnell, Chicago, Ill.
Application April 14, 1939, Serial No. 267,754
4 Claims. (Cl. 200—67)



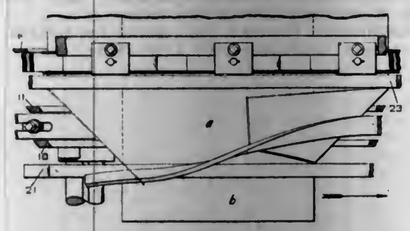
1. A switch comprising a base, a terminal carried by said base, a bracket fixed to said terminal, a spring contact arm fixed to said bracket, a second terminal carried by said base spaced in insulated relation with respect to said first terminal, a pair of contacts, one carried by said second terminal and the other carried adjacent the outer end of said spring arm, an operating lever pivotally mounted on said bracket and having sections lying on opposite sides of said spring arm, and means carried by said sections and engaging said spring arm for moving said other contact relative to said one contact.

2,261,017
COMBINED MINE DRILL AND BREAKER
Homer P. Chandler, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application December 28, 1940, Serial No. 372,140
11 Claims. (Cl. 262—12)



1. A breaker comprising a portable frame, a drill spindle carried by said frame, an expansible breaker jack, means for connecting said jack to said drill spindle when no drill is connected thereto to enable said spindle to expand said jack and means carried by said frame for supporting said jack and for moving said jack into and out of operative registration with said drill spindle.

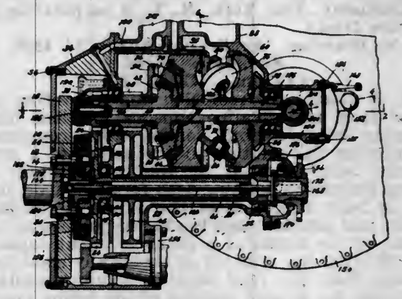
2,261,018
MACHINE FOR FOLDING BLANKS
Fred H. Chapman, Pepperell, Mass., assignor to The International Paper Box Machine Company, Nashua, N. H., a corporation of New Hampshire
Application August 20, 1940, Serial No. 353,374
9 Claims. (Cl. 93—49)



1. A machine for folding blanks along diagonal fold lines including, means for advancing a blank, a rotatably mounted support, a head pivoted to said support and yieldingly maintained in predetermined angular position relative to said support, means for rotating said support to engage said head with a blank to fold a rearward flap forwardly, means active to rock said head on said support in a direction opposite the direction of rotation of said support to disengage said head from said blank at the completion of the folding of said flap, and means for retaining the fold of said flap.

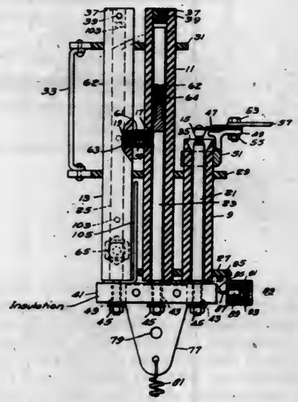
2,261,019
REGENERATIVE TRANSMISSION
Roland Chilton, Ridgewood, N. J.
Substituted for abandoned application Serial No. 214,417, June 18, 1938. This application July 9, 1940, Serial No. 344,480
6 Claims. (Cl. 74—572)

1. A transmission including in combination, concentric driving and driven gears, concentric pinions meshed with respective gears for high speed rotation relative thereto, a transmission adapted to enforce progressively variable speed



ratios between said pinions, and a flywheel drivably connected at fixed ratio with the pinion which engages the driving gear.

2,261,020
CIRCUIT INTERRUPTING DEVICE
Herbert J. Crabbs, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 12, 1937, Serial No. 174,202
12 Claims. (Cl. 200—145)



1. In a circuit interrupting device, a plurality of pairs of separable contacts connected in series in the circuit to be interrupted, means including an actuating member movable through a relatively short stroke for first opening one of said pairs of contacts and thereafter opening the remaining pairs of contacts, means forming arcing passages adjacent each pair of contacts, the inner surface of the passages being of a material which gives off a large quantity of gas when acted on by an arc, the construction and dimension of the arc passage for the pair of contacts which are first opened being such as to extinguish high current arcs between said pair of contacts to finally interrupt the circuit upon short circuit or heavy overload, and the construction and dimension of the passages adjacent the remaining pairs of contacts being such as to extinguish lower current arcs.

2,261,021

RECOVERY OF HALOGENS FROM FLUIDS

Donald M. Findlay, Passaic, N. J., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application August 24, 1938, Serial No. 226,586
2 Claims. (Cl. 23—87)

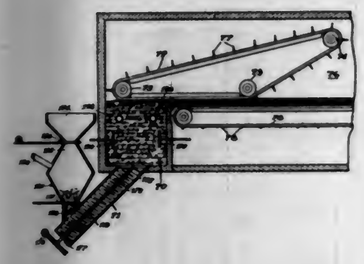
1. A process for removing and recovering iodine from non-alkaline aqueous solutions containing free elemental iodine which comprises subjecting the solution to the action of a synthetic resin obtained by the condensation of meta phenylene diamine with formaldehyde, until at least a portion of the iodine is removed from said solution, and thereafter subjecting the resin to the action of a reducing agent capable of effecting the removal of chemically combined iodine from the resin and an alkaline solution whereby the greater portion of the iodine previously chemically associated with the resin is removed in the form of iodide ion.

2,261,022

MANUFACTURE OF VESICULAR GLASS

John H. Fox, Pittsburgh, and William O. Lytle, New Kensington, Pa., assignors to Pittsburgh Plate Glass Company, a corporation of Pennsylvania

Application December 24, 1937, Serial No. 181,630
3 Claims. (Cl. 49—83.1)



1. The process of forming cellular glass which comprises mixing crushed glass and calcium carbonate, continuously feeding the mixture into a melting chamber, heating the mixture in the chamber until the calcium carbonate decomposes to form bubbles of carbon dioxide and to provide a foamy batch, and drawing off the upper area of the foamy batch and cooling it in the form of a porous body.

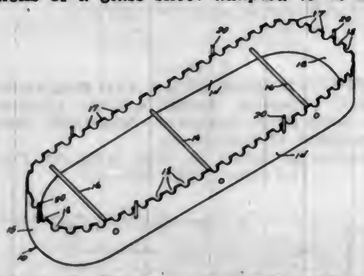
2,261,023

METHOD AND APPARATUS FOR BENDING GLASS

Henry J. Galey, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania

Application July 11, 1939, Serial No. 283,776
7 Claims. (Cl. 49—67)

5. In a molding frame for supporting and shaping a sheet of glass under influence of glass softening temperatures, longitudinal side members having upper molding surfaces of concave form, end members shorter than the side members and having upper molding surfaces also of concave form, said side and end molding surfaces merging into higher areas at four corner portions of the frame for supporting four corner portions of a glass sheet adapted to be heated



and to be bent into contact with said concave molding surfaces.

2,261,024

VULCANIZATION ACCELERATOR

Roy S. Hanslick, New Haven, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application June 22, 1939, Serial No. 280,444
6 Claims. (Cl. 260—788)

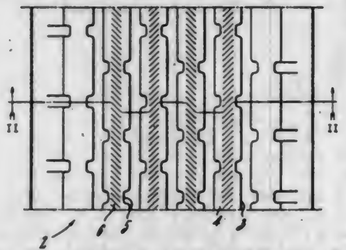
2. A process of accelerating the vulcanization of rubber which comprises vulcanizing it in the presence of an accelerator which is a product of reaction of a salt of a mercapto-aryl-thiazole and monochloramine.

2,261,025

PNEUMATIC TIRE

Glenn G. Havens, Detroit, Mich., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application March 8, 1939, Serial No. 260,516
2 Claims. (Cl. 152—209)



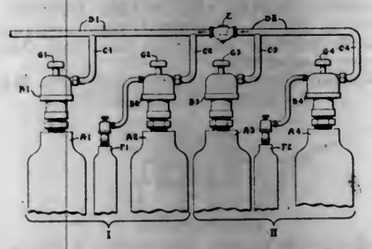
1. A pneumatic tire having a rubber tread composed of a plurality of parallel and functionally continuous ribs of the same vulcanized rubber composition, said ribs being defined by a plurality of circumferentially extending grooves of substantial width and depth, the majority at least of said ribs being provided with a plurality of isolated, rectilinear slits extending diagonally thereof and terminating within the edges of the ribs to provide continuous marginal walls and overlapping circumferentially of the tire, whereby the slits are progressively brought into engagement with the ground during travel of the tire and the closed leading end of each slit comes into contact with the ground before the closed trailing end of the preceding adjacent slit leaves contact with the ground, the depth of said slits being at least substantially the depth of the grooves and the inclination of the slits in some of the inner ribs being opposite to that in adjacent ribs.

2,261,026

DISTRIBUTING SYSTEM FOR HIGH PRESSURE FLUID MEDIA

Henry Ernest Heigis, West Orange, N. J., assignor to Specialties Development Corporation, Bloomfield, N. J., a corporation of New Jersey

Application June 11, 1938, Serial No. 213,227
4 Claims. (Cl. 169—11)



1. A high pressure fluid medium supply system comprising a plurality of high pressure fluid medium containing units, fluid pressure operable fluid medium releasing means for each unit, a fluid medium discharge conduit in operative connection with all said fluid medium containing units, an operating fluid conveying conduit separate from said discharge conduit in operative connection with all of said fluid pressure operable fluid medium releasing means, pressure responsive unidirectionally acting fluid flow control means in said operating fluid medium conveying conduit adapted to divide said operating fluid conduit into consecutively adjacent sections each associated with a group of fluid medium containing units, said pressure responsive unidirectionally acting means being adapted to prevent flow of the operating fluid medium from any subsequent section to the preceding sections to operate the medium releasing devices associated therewith and to permit flow of the operating fluid medium from any preceding section to the subsequent sections, selective means for initially introducing operating fluid medium into any one of the aforesaid sections to release the fluid content of the respective units associated therewith, pressure relief means in the operating fluid conveying conduit associated with each preceding group relative to a subsequent group and operatively associated with said pressure responsive control means adapted to prevent undesired operation of a preceding group due to leakage pressure from an operated subsequent group to a preceding group not to be operated and adapted to become inoperative when said fluid flow control means become inoperative.

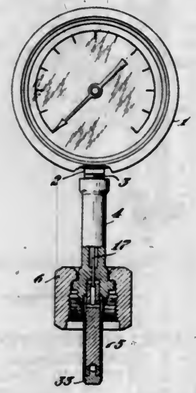
2,261,027

GUARD DEVICE FOR PRESSURE-RESPONSIVE INSTRUMENTS

Frank H. Hopkins, Fairfield, Conn., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y., a corporation of New Jersey

Application December 14, 1939, Serial No. 309,155
19 Claims. (Cl. 73—31)

4. An instrument guard of the class described comprising an elongate thin-walled shell of resilient material, a tailpiece of rigid material having a socket within which one end of the shell fits tightly and is permanently secured, said tailpiece having an elongate guide recess coaxial with said socket, a rigid core member having a stem portion at one end which fits snugly within said guide recess, said stem portion having an axial passage, a conduit extending from said passage longitudinally of the tail piece to the instrument, the opposite end of the core member forming a closure for and being rigidly united to the other end of the shell, the core member being of such transverse dimensions throughout



the major part of its length as to provide a fluid-receiving space between it and the inner surface of the shell, the core member having a transverse canal leading from said space to the axial passage in its stem portion.

2,261,028

PULSATION DAMPENER

Frank H. Hopkins, Fairfield, Conn., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y., a corporation of New Jersey

Application December 16, 1939, Serial No. 309,579
5 Claims. (Cl. 138—26)



1. A pulsation dampener for use in a fluid pressure supply line, said dampener consisting of a length of pipe having a U-bend therein, the pipe being of normally circular, transverse section and being so flattened at the bend as to constrict the passageway therethrough to a narrow elliptical transverse sectional contour with the major axis of the ellipse perpendicular to the plane of the U-bend.

2,261,029

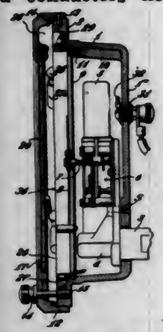
INDICATING INSTRUMENT

Frank H. Hopkins, Fairfield, Conn., assignor to Manning Maxwell & Moore, Incorporated, New York, N. Y., a corporation of New Jersey

Application March 16, 1940, Serial No. 324,241
6 Claims. (Cl. 240—2.1)

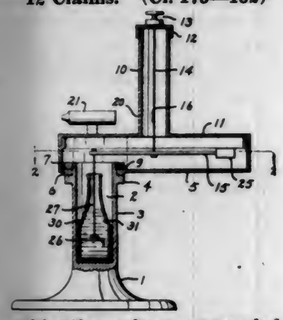
1. In an instrument of the class described wherein a graduated dial is mounted within a case, in combination, a hollow ring coaxial with the dial and normally housed within the case in coaxial relation to the dial, means normally retaining the ring in operative position within the case but permitting it to be moved forwardly from out of the case, a plurality of spaced elec-

tric lamps mounted upon the outer surface of the ring, and conductors housed within the



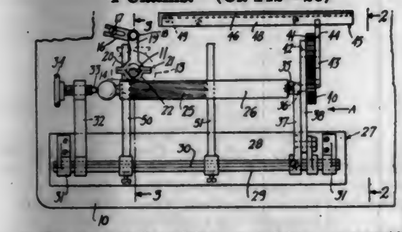
thickness of the ring for supplying current to the lamps.

2,261,030
MICROMAGNETIC PROSPECTING DEVICE
William P. Jenny, Houston, Tex.
Application December 27, 1940, Serial No. 371,901
12 Claims. (Cl. 175—182)



7. In combination, a beam suspended by a fiber, a container, a liquid in said container, a bar magnet suspended from said beam and immersed in said liquid, and a mass attached to said beam to counterbalance the magnet.

2,261,031
WOODWORKING DEVICE
Karl Karish, Brooklyn, N. Y.
Application December 21, 1939, Serial No. 310,315
4 Claims. (Cl. 142—26)



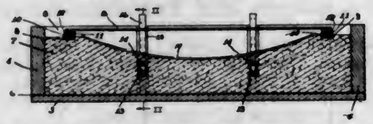
1. In a woodworking machine presenting a flat table top and a cutter shaft extending therethrough, the combination of a work carrier arranged for free manual sliding movement on the table top, a gauge on the table top adjustably associated with the cutter shaft and in contact with which the work is moved in cutting operation, means on the carrier engaging the cutter shaft for defining the movement of said carrier from start to finish of cutting operation, a cam strip mounted on said table top and means coacting with said cam strip for gradually turning the work during cutting operation.

2,261,032
NONOVERFILL AND RELIEF DEVICE
Charles L. Keller, Cincinnati, Ohio, assignor to The Richardson Company, Lockland, Ohio, a corporation of Ohio
Application November 15, 1939, Serial No. 304,590
6 Claims. (Cl. 136—178)



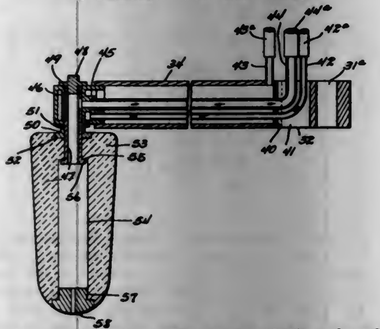
1. A storage battery cell having a top and a filler opening in the form of a well having a bottom, a tubular extension open through the bottom of said well and terminating downwardly below the top of said cell cover and the bottom of said well at such a position that if the level of electrolyte in a storage battery cell covered by said cell cover lies at the downward termination of said tubular extension, a sufficient space above said electrolyte and beneath the top of said cover will be provided for gas collection, said tubular extension being of less diameter than the diameter of the bottom of said well whereby the bottom of said well forms a shoulder, said shoulder having a perforation external to said tubular extension for the purpose of venting gases from said gas collection space, a weight actuated valve on said shoulder configured and disposed to permit filling of said cell through said tubular extension and having sufficient mass to counterbalance a column of electrolyte therein so as to give an overfill signal, and a filler cap adapted to be inserted in said filler well, said filler cap having means for closing off the top of said tubular extension so as to enforce the venting of gases through said perforation in said shoulder, there being means to permit the escape of said gases from said filler well to the outer air.

2,261,033
GLASS BENDING MOLD
Philip P. Marshall, Ford City, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Original application May 29, 1937, Serial No. 145,412, now Patent No. 2,137,115, dated November 15, 1938. Divided and this application June 28, 1938, Serial No. 216,257
8 Claims. (Cl. 49—67)



1. A mold for use in bending a glass sheet comprising a metal container, a body of unbonded particles of refractory material in the container having its surface rounded to the contour of the glass sheet to be bent, and lifting members embedded in the material of the mold beneath the surface thereof and adapted to pass through the body of unbonded particles and lift the glass sheet from the mold after it has been bent to fit the contour of the mold.

2,261,034
APPARATUS FOR FINING MOLTEN GLASS
Kenneth B. McAlpine, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application April 27, 1940, Serial No. 332,021
2 Claims. (Cl. 259—126)



1. A combined nozzle and stirring head for simultaneously agitating and blowing with gases a body of molten glass in a container, said device comprising a nozzled body of refractory material having a vertical bore formed therein, the upper portion of the bore being formed with a peripheral shoulder having upper and lower faces, a tubular shaft extending downwardly into the bore and being provided at its lower extremity with a flange engaging the lower face of the shoulder, a collar threaded upon the tubular shaft and engaging the upper face of the shoulder to clamp the latter, the bore being further connected to a conduit for supplying a gas thereto, the lower extremity of the bore in the body being provided with a perforated plug for the admission of gas into the molten glass.

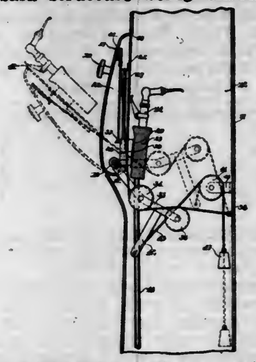
2,261,035
PRESSURE RELIEF DIAPHRAGM
Robert A. Miller, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application November 10, 1938, Serial No. 239,828
2 Claims. (Cl. 220—89)



1. In combination in apparatus for relieving extraordinary pressures developed in a fluid container, a collar secured around a vent provided in the fluid container, a glass plate yieldable and breakable in response to fluid pressure positioned within the collar and held annularly against displacement therefrom, and a second glass plate, yieldable and breakable, positioned in and held annularly against displacement from the collar in contiguous spaced relation to the first glass plate, the distance between the plates being less than the deflection of the inner plate upon maximum yielding whereby the first plate is movable in response to fluid pressure into reinforcing contacting relation with the second plate.

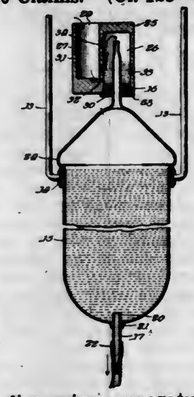
2,261,036
UNITARY DENTAL APPARATUS
Oscar H. Pieper, Rochester, N. Y.
Application August 4, 1939, Serial No. 288,416
9 Claims. (Cl. 32—22)

9. A dental unit wherein an opening in a hollow frame has a closure movably supported on said frame and wherein an instrument carrier supported on and movable with said closure has operating means for projecting the carrier forwardly on the closure simultaneously with and as a result of the opening movement of the closure so that the instruments are projected substantially to or beyond the forward margin of the closure in a position to be conveniently grasped, said structure being characterized by



the facts that the closure has an extension projecting into the hollow frame and the operating means includes flexible means one end of which is connected to the carrier and the other end of which is connected to the frame on the inside thereof, and elements supported by said closure and said closure extension and movable with the closure over which the intermediate portions of the flexible means pass for actuating the flexible means as the closure is opened to thereby cause said projection of the carrier.

2,261,037
LIQUID DISPENSING APPARATUS
Martin C. Schwab, Chicago, Ill.
Application March 16, 1940, Serial No. 324,238
10 Claims. (Cl. 128—214)



1. Liquid dispensing apparatus comprising a container housing liquid to be dispensed, a liquid outlet depending from said container, an air inlet tube formed integrally with and extending above said container, and a cap member adapted to wash incoming air to said container, said cap comprising adjacent interconnected air washing and overflow chambers, and a stopper closing the opening to said air washing chamber and adapted

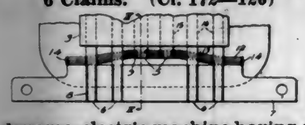
to frictionally retain said cap on said air inlet tube, a portion of said tube extending into said air washing chamber, said air washing chamber being adapted to receive and retain a portion of the liquid to be dispensed to serve as air washing fluid upon momentary inversion of said container.

2,261,038
WINDOW PANEL MOUNTING
James Hervey Sherts, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application February 23, 1940, Serial No. 320,400
3 Claims. (Cl. 296—84)



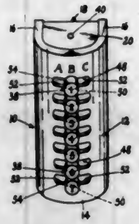
1. In an automobile body construction having a window opening therein, a window panel disposed in the opening, a shoulder on the body extending about the edge of the panel and disposed in offset relation inwardly of the said panel edge, a rubber retaining strip having oppositely disposed recessed portions fitting upon the shoulder and panel edge, and members embedded in the retaining strip and secured to the body, portions of each member extending on the outer side of the panel edge in spaced overlapping relation thereto.

2,261,039
SQUIRREL-CAGE WINDING
Charles C. Shutt, Lima, Ohio, and Marion R. Lory, Irwin, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 1, 1939, Serial No. 276,756
6 Claims. (Cl. 172—120)



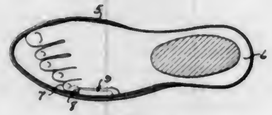
1. A dynamo-electric machine having a salient-pole rotor, radially fixed damper-winding bars in the pole-face portions of the salient poles, the damper-winding bars of each pole comprising two types including a bar or group of bars, consisting of a relatively small number of centrally located low-resistance bars or bar, and a group of a relatively large number of spaced high-resistance bars disposed partly on one side and partly on the other side of the low-resistance bar or bars, the bars being of different lengths, a common end-ring, at each end of the bars, for joining together all of the bars of all of the poles at that end of the machine, and connecting-means for joining the bar-ends to the respective end-rings, said connecting-means including substantially non-yielding connections for the respective bars or groups of bars of one of said types, and flexible connections for the respective bars or groups of bars of the other of said types, said flexible connections being circumferentially extending strips substantially non-yieldingly secured to the bars and to the end-rings at approximately alined points which are circumferentially spaced from each other by a distance sufficient to give the strips flexibility between said points.

2,261,040
PUZZLE
Irving Steinhardt, New York, N. Y.
Application October 21, 1939, Serial No. 300,517
8 Claims. (Cl. 273—155)



3. A puzzle comprising a frame having a plurality of zones disposed laterally of each other and extending longitudinally of the frame, each of said zones having a plurality of stations defined by openings in the frame, said station-openings in each of the zones being spaced from each other longitudinally of the frame, and a plurality of members pivotally mounted in said frame for movement transversely of said zones at said station-openings, there being a station-opening in each zone for each of said members, said members projecting through said station-openings, respectively, in a direction transversely of the direction of movement of said members from the inside of the frame to the outside thereof for providing finger pieces for manipulation of said member by the user of the device.

2,261,041
ORTHOPEDIC DEVICE
Ross A. Tennant, Fairmont, W. Va.
Application October 2, 1939, Serial No. 297,586
2 Claims. (Cl. 36—8.5)

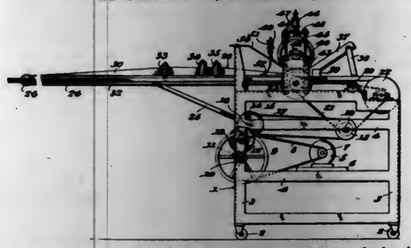


1. An orthopedic device, comprising an elongated pad having one face provided with beveled edges adapted to be secured to the inner face of the upper of the shoe, the rear end edge of the pad being rounded and the opposite end edge being approximately straight, and the opposite face of the pad having a recess extending from the straight edge obliquely downwardly in respect to the said straight edge of the pad to conform with the inclination of the toe.

2,261,042
VULCANIZATION OF RUBBER
Ira Williams, Woodstown, N. J., assignor to E. I. Du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 18, 1938, Serial No. 241,139
18 Claims. (Cl. 260—788)

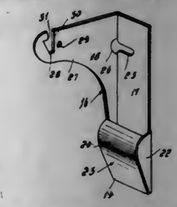
1. The method of vulcanizing rubber which comprises incorporating into the rubber mix, prior to vulcanization, a small amount of a 2-amino-thiazoline compound of the group consisting of 2-amino-thiazolines and their salts of weak acids.

2,261,043
DOUGH FOLDING MACHINE
John B. Winfree, Jr., Lynchburg, Va.
Application March 1, 1940, Serial No. 321,775
16 Claims. (Cl. 107—9)



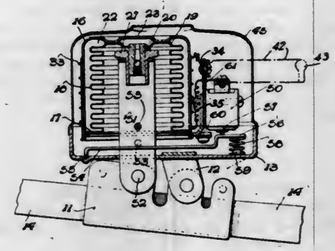
1. A machine for folding pieces of dough in the production of turnover rolls and the like, comprising a base frame, a pair of spaced rollers mounted to rotate on said frame, an endless belt mounted around and between said rollers whereby the upper and lower runs of the belt travel in substantially horizontal planes, a table member mounted under at least a portion of the upper run of the belt to support the latter, means secured on the table to contact with the upper run of the belt to distort the latter out of its horizontal plane travel over the table member, said distorting means including a plurality of pairs of rollers mounted on the table, means in the table for adjusting said pairs of rollers in a direction at right angles to the travel of the belt, and a curved trough angularly mounted on the frame for feeding pieces of dough on to the upper run of the belt which are shaped into turnover roll configuration when the belt carries said pieces of dough past the belt distorting means.

2,261,044
DEMOUNTABLE WINDOW SHADE BRACKET
Gustav B. Winter, Hempstead, N. Y.
Application August 15, 1940, Serial No. 352,778
5 Claims. (Cl. 248—269)



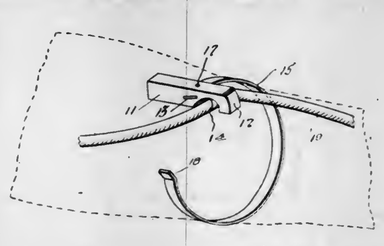
5. A window shade bracket of the type which is adapted to be mounted on the side rail of an upper window sash, comprising a bracket having a portion for engaging and mounting an end of a window shade roller, said bracket having a base portion adapted to be attached to a side rail of a window sash, and a flange portion projecting outwardly from one longitudinal edge thereof, the lower end of said base portion being turned back upon itself to form a relatively wide wedge member, said wedge member being inclined downwardly and inwardly relatively to said rail, a portion of said flange portion being disposed under a side edge of the wedge member to provide a support for said side edge, and the other edge of the base member being provided with an outwardly projecting flange portion disposed beneath and engaging the wedge member to provide a support for the opposite longitudinal edge of the wedge member.

2,261,045
TEMPERATURE REGULATOR
Ernest Zurcher, Knoxville, Tenn., assignor to The Fulton Sylphon Company, Knoxville, Tenn., a corporation of Delaware
Application July 10, 1939, Serial No. 283,712
20 Claims. (Cl. 236—68)



1. In a device of the character described, in combination with a damper actuating lever, a heat motor connected to said lever and adapted to cause the damper to cycle around a predetermined position, said heat motor including an expansible and collapsible chamber charged with a volatile liquid, a heating coil associated with said chamber, a circuit connected to said coil including means for opening and closing said circuit, a switch in said circuit associated with said motor, means actuated by said chamber as it expands for opening said switch at substantially the predetermined damper position and for effecting the closure of said switch substantially as soon as said chamber begins to contract, and means for discontinuing the operation of said heating coil at a predetermined temperature if said damper operating lever is not moved by the expansion of said chamber.

2,261,046
ELECTRICAL APPLIANCE CORD HOLDER
Bryan Anderson, Billings, Mont.
Application June 15, 1939, Serial No. 279,365
4 Claims. (Cl. 248—51)

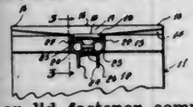


1. An attachment for use with flexible electrical conductors comprising a block having a transverse slot intermediate of its ends, said slot being inclined toward the forward end of said block, a resilient arcuately shaped member having one end fixed in said slot for releasably mounting the block on the arm of the user, and said block being provided with a recess in its underside and adjacent its forward end for engaging a portion of a flexible electrical conductor, said inclined slot co-acting with said resilient member for urging the forward end of the block downwardly to frictionally hold the conductor between the arm and block.

2,261,047
LUBRICANT
Peter A. Asseff, Cleveland, Ohio, assignor to The Lubri-Zol Corporation, Wickliffe, Ohio, a corporation of Ohio
No Drawing. Application July 28, 1941, Serial No. 404,361
14 Claims. (Cl. 252—35)

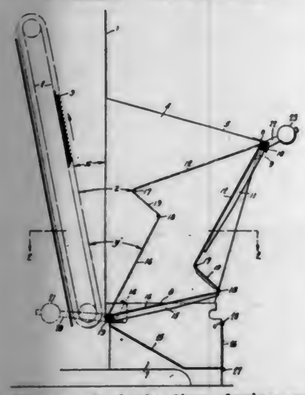
1. A lubricating composition comprising a major amount of a hydrocarbon oil and a minor amount of the zinc salt of an acidic reaction product obtained by reacting phosphorus pentasulfide with an alkylated cyclohexanol in which substantially all of the alkyl groups have less than six carbon atoms.

2,261,048
COVER OR LID FASTENER
Charles P. Bobst, Anamosa, Iowa
Application May 16, 1940, Serial No. 335,605
5 Claims. (Cl. 292—213)



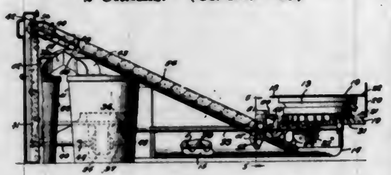
1. A cover or lid fastener comprising a fastener having an intermediate portion pivotally connected to a cover, legs projecting from said intermediate portion and having inwardly turned hook shaped terminals forming upwardly projecting pointed prongs, said legs being crossed intermediate of their ends, and coil springs formed in the legs of said fastener and disposed adjacent the intermediate portion and remote to said terminals for retaining the prongs in a projected position, said coil springs being disposed above the hook shaped terminals, and said prongs being retractable by drawing the hooked shaped portions inwardly relatively to each other.

2,261,049
VOLUMINAL COMPENSATOR FOR THE HOPPERS OF WEIGHING FEEDERS
William F. Bokum, Jenkintown, Pa., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
Application October 21, 1940, Serial No. 362,146
7 Claims. (Cl. 221—128)



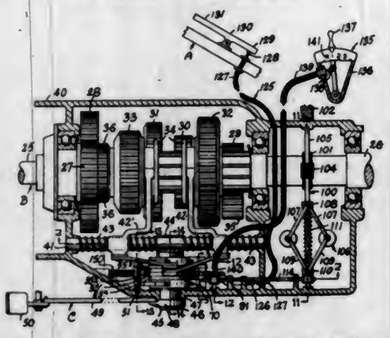
2. A fibrous stock feeding device comprising a stock hopper including a movable spike-bearing wall adapted to remove stock from the hopper, and an articulated sectional wall for pressing stock contained in the hopper against said spike-bearing wall, said articulated wall comprising one terminal section pivotally mounted adjacent said spike-bearing wall, a second terminal section pivotally mounted remotely with respect to said spike-bearing wall, and an intermediate section pivotally connected along opposite parallel edges thereof to corresponding edges of said terminal sections spaced respectively from the pivots thereof, and means for swinging said connected terminal sections toward said spike-bearing wall.

2,261,050
FURNACE STOKER
James A. Casey, Wilkes-Barre, Pa.
Application August 30, 1939, Serial No. 292,725
2 Claims. (Cl. 110—45)



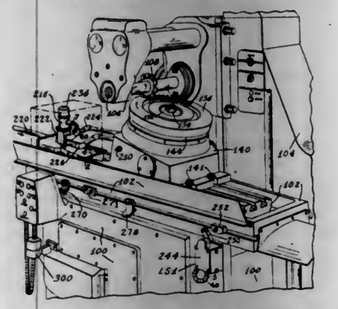
2. A furnace stoker comprising a fire pot, means for forcing fuel into said fire pot, an ash conveyor underlying a part of the rim of the fire pot, the end of said conveyor being in a breaker box positioned in ash receptive relation to said rim, said breaker box including a breaker plate, a ring rotatably mounted surrounding the fire pot having radially extending teeth arranged to pass over the breaker box, a spiral conveyor positioned above and in lateral proximity to the breaker box, the helices of which mesh with the teeth of said ring to rotate the same and which helices rotate in a direction to convey ashes from said teeth into the breaker box.

2,261,051
CHANGE SPEED TRANSMISSION
Perry E. Cassell and Robert R. Meeker, McKean, Pa.
Application October 2, 1939, Serial No. 297,584
8 Claims. (Cl. 192—3.5)



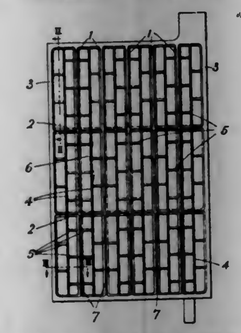
1. In control means for a change speed transmission, a plurality of change speed members movable to provide different driving connections in said transmission, means for operating said change speed members including a plurality of pawls having grooved portions normally in side by side relation, a selector movable laterally of said pawls and including a wedge portion for engagement with said grooved portions, and resilient means for laterally moving said selector.

2,261,052
MACHINE TOOL
Edward E. Coffin and August L. Krause, Providence, R. I., assignors to Brown and Sharpe Manufacturing Company, a corporation of Rhode Island
Application December 7, 1939, Serial No. 308,094
14 Claims. (Cl. 90—56)



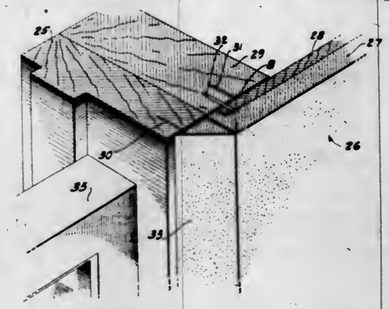
1. In a machine tool having a cutting tool, and a work support arranged for reciprocatory movements relative to the cutting tool, an indexing work spindle on the work support, an indexing mechanism for the work spindle carried on the work support including fluid pressure actuating means, and a fluid pressure control valve actuable to effect successive indexing movements of the work spindle, and electrical connections controlled by the reciprocatory movement of the work support for actuating the valve to index the work spindle.

2,261,053
ELECTRODE FOR SECONDARY BATTERIES
Horace De Martis and Sydney James Clark, New Malden, England
Application June 26, 1939, Serial No. 281,242
In Great Britain June 29, 1938
1 Claim. (Cl. 136—37)



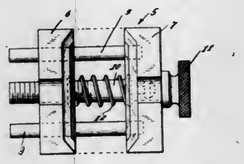
A lead grid comprising a grid frame, main strand bars arranged between the longitudinal members of the frame and extending longitudinally of such frame, additional strands extending longitudinally of the frame intermediate the main strands, with such additional strands being of less sectional area and strength than that of the main strands, and transverse strands extending oppositely from each additional strand towards the adjacent main strands, the transverse strands on opposite sides of each additional strand being in off-set staggered relation to each other.

2,261,054
SPLAY BEAD
Randolph L. Dietrich, Los Angeles, Calif.
Application September 5, 1939, Serial No. 293,321
9 Claims. (Cl. 72—98)



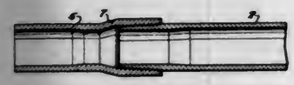
1. A splay bead member consisting of a sheet metal strip rebent upon itself along a line in a parallel spaced relation to its long edges, thus providing in said strip a double ply of metal, one of the plies being extended beyond the other in the same plane, thus providing a flat basal flange, and the other of said plies being right angularly deflected away from said basal flange along a straight longitudinal line which extends in a parallel spaced relation to the long outer edge of said basal flange, the strip being provided with pairs of transverse slits which extend through the part thereof which is right angularly bent, the metal between the paired slits being bent outwardly from the angle thus forming struts extending from said basal flange to the right angularly extending ply.

2,261,055
WATCH MOVEMENT HOLDER
Ira J. Dulaney, Redding, Calif.
Application July 30, 1940, Serial No. 348,599
1 Claim. (Cl. 81—6)



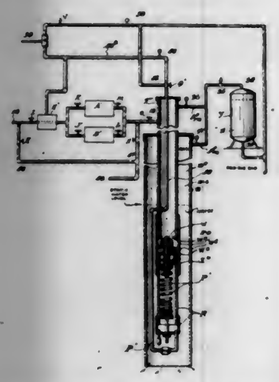
A watch movement holder comprising a pair of rectangular companion opposed blocks, a shaft journaled in one of said blocks and screw-threaded through the other of said blocks, a coiled spring arranged on said shaft between said blocks, said spring normally acting to urge said blocks apart, a knob secured to said shaft at its end opposite the screw-threaded end, whereby said blocks may be separated or drawn together by rotation of said screw, and a pair of guide pins firmly secured in one of said blocks and slidable through the other of said blocks, said blocks having their outer peripheral faces notched to receive a watch movement, said notches being of irregular shape and extending through the inner and outer plane faces of said blocks, said blocks having the notches in each of the opposed faces matching.

2,261,056
METHOD OF MAKING THREADED JOINT MEMBERS
Jerry Jay Dunn, Ellwood City, Pa., assignor to National Tube Company, a corporation of New Jersey
Application November 8, 1939, Serial No. 303,479
13 Claims. (Cl. 29—148.2)



1. The method of increasing the efficiency of standard tubular threaded joints comprising an interiorly and an exteriorly threaded member, which includes expanding an end portion of a tubular member in such manner that the expanded portion gradually merges into the unexpanded portion of the tubular member, then cold-reducing said expanded and merging portion an amount sufficient to reduce the diameter thereof between 3 and 10 per cent, and subsequently cutting standard screw threads on the exterior of said cold-reduced end portion.

2,261,057
EMULSION TREATING AND BRINE INJECTION SYSTEM FOR OIL WELLS
Ransome W. Erwin, Longview, Tex., assignor to Salt Water Control Inc., Fort Worth, Tex., a corporation
Application July 15, 1940, Serial No. 345,688
15 Claims. (Cl. 166—1)



1. In a liquid disposal system for oil fields and the like, including a disposal well having a porous formation at the bottom thereof and having a normal static liquid level; tubing in said well having an outlet communicating with said porous formation and located below the static level, a source of liquid communicating with the upper portion of said well, and means for maintaining a substantially continuous column of liquid from said porous formation to said source; said means including a valve for controlling the flow of liquid through said outlet from said tubing to said porous formation, means actuated by the raising of the liquid level in said source to a predetermined point for opening said valve, and means for closing said valve when the liquid level of said source falls below a predetermined point.

2,261,058
SWAB
Hazel Tietjen Forbis, Pasadena, Calif.
Application September 3, 1940, Serial No. 355,223
2 Claims. (Cl. 128—269)



1. In a surgical swab, a supporting stick having a central portion and at least one end portion defined from the central portion by a weakened zone spaced from the adjacent end of the stick, a wad of absorbent material wrapped around the said end and covering the same, and a wad of material wrapped around the stick at the weakened portion and extending longitudinally and covering the stick on opposite sides of the weakened portion, the last mentioned wad being secured to the central portion of the stick whereby when the stick is broken at the weakened portion and the end portion withdrawn from the last mentioned wad, the said wad will guard the broken extremity of said central portion.

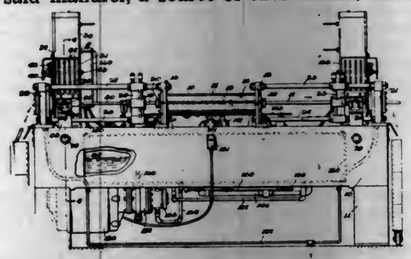
2,261,059
ROTARY TOOTHBRUSH
Roberto Gris, Martinez, F. C. C. A., Argentina
Application November 22, 1940, Serial No. 366,761
In Argentina November 14, 1940
1 Claim. (Cl. 15—23)



In a rotary toothbrush of the kind comprising a handle having a hollow body portion, a shaft extending lengthwise through said body portion and projecting from one end thereof, a brush element detachably mounted on said projecting end and a driving mechanism mounted within said hollow body portion and operatively coupled to said shaft, retracting means for retracting said shaft from engagement with said brush to permit removal thereof, said retracting means comprising a slot in said body portion, a bell-crank lever pivoted at a point on said body portion and having one arm extending through said slot and normally lying substantially flush with the outer surface of said body portion, so as to be operable from without, a second arm extending within said hollow body portion and terminating in a stirrup, said stirrup having a pair of slotted arms extending along opposite sides of said shaft, a pair of spaced stop shoulders fast on the shaft, a collar slidably mounted on said shaft between said stop shoulders, a pair of diametrically opposite pins projecting radially from said collar into the slots in the arms of said stirrup, whereby on movement of said first mentioned arm of the bell crank lever away from said body portion, said stirrup is caused to bring said collar into contact with the stop remote from said projecting end of the shaft to cause movement of said shaft lengthwise of said body portion and disengagement of said projecting end from said brush.

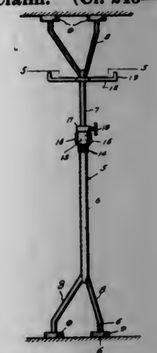
2,261,060
AUTOMATIC TUBE DRAWING PRESS
Jean V. Giesler, Knoxville, Tenn., assignor to The Fulton Sylphon Company, Knoxville, Tenn., a corporation of Delaware
Application August 15, 1938, Serial No. 225,034
28 Claims. (Cl. 205—4)

1. In an automatic tube drawing press the combination of a piston, a mandrel operated by said piston, a die cooperatively arranged with respect to said mandrel, a source of tube blanks, means



actuated by said piston for removing tube blanks from said source and transferring the same into alignment with said mandrel, and automatic hydraulic means for reciprocating said piston.

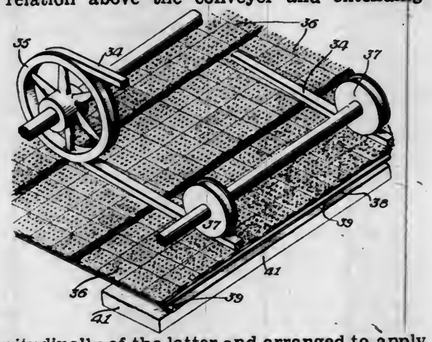
2,261,061
CLOTHES TREE
Harry H. Horton, Laramie, Wyo.
Application November 3, 1939, Serial No. 302,765
1 Claim. (Cl. 248—354)



A clothes tree for an automobile comprising a pair of telescopic rods, three legs connected to the outer end of each rod and said legs being in the form of a tripod, cushioned feet connected to the outer ends of the legs and said feet being spaced equal distances apart, a collar slidably arranged on the inner rod, a set screw for locking the collar in adjusted position, an externally threaded sleeve having one end portion fitting over and attached to the inner end of the outer rod, said sleeve being of greater internal diameter than the external diameters of the rods, a nut threaded on said sleeve for engaging the collar for forcing the upper feet against the ceiling of the automobile and the lower feet against the floor of the automobile, and longitudinally extending tubular finger pieces connected with the external part of the nut and a bar carried by the inner rod for supporting hangers.

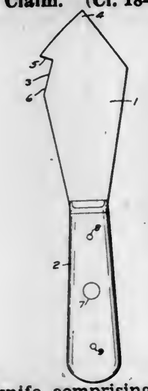
2,261,062
MACHINE FOR SEPARATING FRANGIBLE SHEET MATERIAL
John Y. Huber, Jr., Haverford, and John Clark Baxter, Philadelphia, Pa., assignors to United Biscuit Company of America, Chicago, Ill., a corporation of Delaware
Application April 5, 1939, Serial No. 266,224
2 Claims. (Cl. 146—129)

1. In a machine for separating frangible sheet material into a plurality of sections on preestablished lines of lesser strength, the combination with a conveyer for said sheets and means for continuously moving said conveyer, of means for feeding said sheets successively to the conveyer, means operatively associated with said conveyer for flexing said sheets along said lines of lesser strength to an extent effecting a fracture of said sheets on said lines, said flexing means comprising a plurality of belts arranged in spaced parallel relation above the conveyer and extending



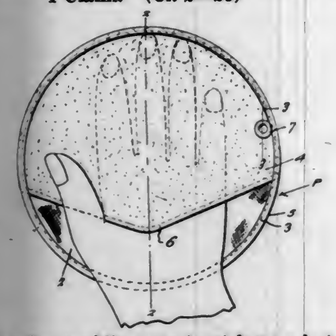
longitudinally of the latter and arranged to apply pressure to the said sheets along alternate ones of said lines of lesser strength, said belts being narrow so as to contact the sheet only within the immediate areas of the respective said lines, means at the under side of the conveyer for supporting the sheet along the others of said lines of lesser strength, and means for driving said belts so that the parts thereof engaging the said sheet shall move in the same direction and at the same speed as said conveyer.

2,261,063
PUTTY AND GLAZIER KNIFE
Walter A. Joyce, North White Plains, N. Y.
Application November 13, 1940, Serial No. 365,421
1 Claim. (Cl. 18—3.5)



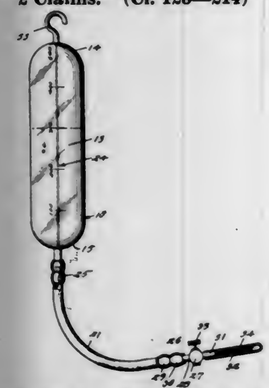
A glazing knife comprising a handle with a blade extending outward from the end of the handle with the edges of the blade sloping outward from the end of the handle for a portion of the length of said blade and then sloping inwardly for the remainder of the length of the blade to form a point at the end of the blade located in a line extending through the center of the handle, said inwardly sloping edges intersecting at the point at an angle of slightly less than ninety degrees.

2,261,064
HOT PAD
Bessie M. Katz, Mount Carmel, Pa.
Application April 1, 1940, Serial No. 327,336
1 Claim. (Cl. 2—20)



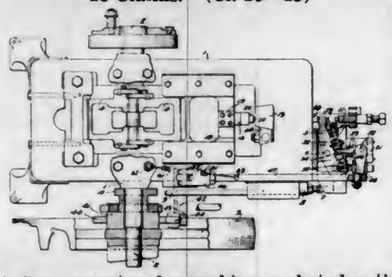
A device for enabling one to pick up a hot object comprising a pad, a pocket forming sheet having a substantially V-shaped edge portion, means for connecting the remaining edge part of the sheet to edge parts of the pad, the V-shaped edge portion being free of the pad to form a mouth for the pocket and said V-shaped edge portion being spaced inwardly from the adjacent edge portion of the pad with the apex of the V forming the central portion of the mouth of the pocket and a hollow rivet passing through the pad and the sheet adjacent one end of the V-shaped edge portion, said rivet adapted to receive a projection on a wall for holding the pad in position where the hand can be placed in the pocket without first removing the pad from the projection.

2,261,065
APPARATUS FOR AND METHOD OF BLOOD INFUSION
Ricardo Kirchner, Mexico City, Mexico
Application June 5, 1940, Serial No. 339,012
2 Claims. (Cl. 128—214)



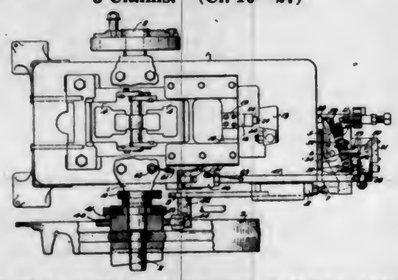
1. A method of enriching blood for infusion and for infusing the enriched blood into a patient, said method consisting in creating a vacuum in an ampoule, communicating the evacuated ampoule for a predetermined period with a source of blood supply to thereby cause a flow of blood into the ampoule, closing the ampoule, pumping under pressure for a predetermined period a gaseous enriching medium for the blood into the ampoule while the blood within the ampoule is under a state of agitation and in the presence of a preventative for blood coagulation to thereby intimately mix the blood and said medium to thereby provide an enriched mixture, closing the ampoule, and then utilizing, after opening the ampoule, the pressure within the ampoule of the residual enriching medium for the infusing of the enriched mixture from within the ampoule into the patient.

2,261,066
DROP-BACK OR SUPPLEMENTAL BACKSTOP MECHANISM FOR HEADING APPARATUS
Louis J. Lovisek, New York, N. Y., assignor to Parker-Kalon Corporation, New York, N. Y., a corporation of New York
Application June 25, 1940, Serial No. 342,399
13 Claims. (Cl. 10—15)



1. In apparatus for making socketed articles, the combination with pressure shaping instrumentalities operable preliminarily upon a blank to expand the end thereof and form therein a tool-receiving recess, including knock-out mechanism and associated backing means therefor, of drop-back mechanism to hold the blank during said preliminary operation including a spacer element cooperative with the knock-out and backing means, and means for shifting said spacer element into inoperative position to permit said shaping instrumentalities to finish-shape the blank.

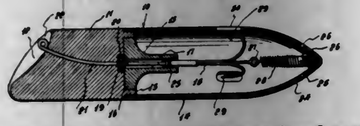
2,261,067
METHOD OF PRODUCING SOCKET SCREW FASTENERS
Louis J. Lovisek, New York, N. Y., assignor to Parker-Kalon Corporation, New York, N. Y., a corporation of New York
Original application June 25, 1940, Serial No. 342,399. Divided and this application February 19, 1941, Serial No. 379,667
3 Claims. (Cl. 10—27)



3. The method of forming socketed articles which comprises the steps of forcing a blank of metal into a die provided with a bore passage

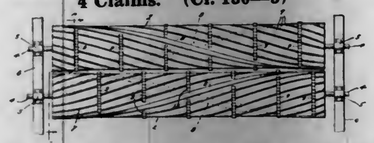
of a shape corresponding to the finished shape of the article and an entrance tapering portion leading to said passage to expand the end of the blank to conform the metal to the shape of the tapered entrance portion of the passage and form a tool-receiving recess therein, introducing a socket-shaping tool into said recess and forcing the expanded end of the blank by said tool into the bore passage of the said die to draw said blank end to the cross section contour of the said passage and shape the socket recess to the tool.

2,261,068
FISH LURE
John J. Mackovich, Norwalk, Conn.
Application December 26, 1940, Serial No. 371,757
8 Claims. (Cl. 43—46)



1. An artificial lure comprising a head portion, a hollow compressible body member attached at one end to an end of the head portion and projecting therefrom, a hook disposed within the cavity of said hollow compressible member and having its shank end pivotally connected to the head portion, said hollow compressible member being provided with an elongated opening arranged to permit passage of the barbed end of the hook therethrough when said body member is compressed, and a spacing member mounted on the shank of said hook for maintaining the hook in an extended position.

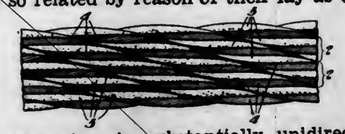
2,261,069
HUSKING ROLLS
George E. Martin, Fairfax, Iowa
Application July 19, 1940, Serial No. 346,445
4 Claims. (Cl. 130—5)



1. A pair of husking rolls of the same and uniform diameter rotatably mounted side by side, each roll comprising longitudinally extending small flat ribs arranged in long spirals extending from end to end thereof, the ribs on one roll spiralling reversely relative to those on the other roll, and a plurality of semi-circular toothed stripping bars yieldingly mounted in the circumferential portion of each roll to extend transversely thereof and spaced apart longitudinally of each roll, said stripper bars being arranged spirally around the rolls.

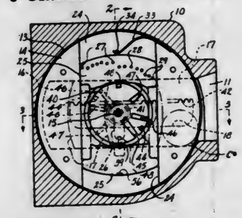
2,261,070
SPRING LAY WIRE ROPE
Maxwell D. V. Millard, Washington, D. C., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application July 27, 1940, Serial No. 347,999
4 Claims. (Cl. 57—147)

1. A spring lay wire rope including a plurality of composite strands formed of individual steel strands and hemp strands, said steel strands comprising a plurality of wires, the composite strands, the individual strands of said composite strands, and the wires of the steel strands being so related by reason of their lay as to dis-



pose said wires in substantially unidirectional relation at the loci of contact of the steel strands of adjacent composite strands.

2,261,071
COIN-CONTROLLED SETTING MECHANISM FOR ENERGY DISPENSING DEVICES
Paul Moos, Zug, Switzerland, assignor to Landis & Gyr, A.-G., a corporation of Switzerland
Application September 29, 1937, Serial No. 166,244
In Switzerland October 9, 1936
6 Claims. (Cl. 194—72)



1. A coin-controlled setting mechanism for an energy dispensing device settable to dispense measured quantities of energy, including in combination an enclosing casing having a coin-receiving slot, a rotatable drum, a coin slot in said drum disposed transversely to its axis, a slide in said slot movable by an inserted coin proportionately to the diameter of the coin, means variably positionable and controlled by the movement of said slide by the coin to set the settable device to dispense a corresponding amount of energy, and an interponent device actuated by said slide, said interponent device comprising a rotatable disc having spaced apart slots of variable depth selectively engaged by said variably positionable means, the slots corresponding to different values of inserted coins, the movement of the slide as determined by the engagement with a selected slot, coacting to position the settable means corresponding to the value of the inserted coin so as to determine the extent of movement of the settable means whereby, upon rotating said drum, the settable means will be positioned.

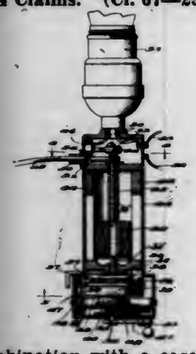
2,261,072
CONDUCTIVE SHOE
Leo J. Monahan, Humboldt, Tenn., assignor to O'Donnell Shoe Company, Humboldt, Tenn., a corporation of Minnesota
Application April 19, 1941, Serial No. 389,431
4 Claims. (Cl. 128—382)



4. A conductive shoe including a sole of relatively soft flexible material, said sole being electrically conductive material which offers a rela-

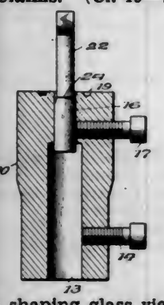
tively high resistance therethrough whereby static electrical charges gathered in the human body and conducted by the foot to said sole are passed to the ground slowly.

2,261,073
BATTERYLESS PHOTOFLASH LAMP FLASHER
John Roy Painter, Chattanooga, Tenn.
Application April 22, 1938, Serial No. 203,685
4 Claims. (Cl. 67—29)



1. The combination with a case, an armature and armature shaft rotatably supported therein, a magnet located within the case, a spring motor connected directly to the armature shaft for transmitting rotary motion to the armature and shaft, a light socket, a flash lamp, a commutator on the armature shaft, a brush contacting said commutator, and wires leading from the socket one to the brush, and one being suitably grounded, a cable release, and means actuated by the armature shaft for automatically moving said cable release to cause the latter to actuate a camera shutter synchronizer, whereby the movement of the shutter and the flash are synchronized.

2,261,074
TOOL FOR SHAPING GLASS VIALS
Fred D. Pinotti, Landis Township, Cumberland County, N. J., assignor to Kimble Glass Company, Vineland, N. J., a corporation of Illinois
Application May 6, 1938, Serial No. 206,471
3 Claims. (Cl. 49—24)

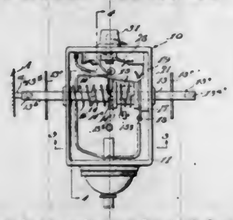


2. A tool for shaping glass vials comprising a body member having spaced arcuate lip shaping grooves in the end face thereof, and a mandrel removably supported by said body, said mandrel having arcuate mouth finishing surfaces disposed between said spaced grooves, said finishing surfaces each having a width substantially equal to the space between the grooves, the radii of said mouth finishing surfaces being substantially equal to the radii of the inner walls of said grooves, the inner terminal surface of the lip shaping grooves being substantially parallel to the axis of the tool, the mouth finishing surfaces likewise being substantially parallel to the axis of the tool.

2,261,075
PROCESS FOR PRODUCING READILY INFLAMMABLE SOLID FUELS AND DRIVING SUBSTANCES
Alfred Pott and Hans Broche, Essen-Ruhr, Germany, assignors to Gewerkschaft Mathias Stinnes, Essen, Germany
No Drawing. Application June 3, 1938, Serial No. 211,692. In Germany June 9, 1937
2 Claims. (Cl. 44—1)

1. Method of treating dry pulverulent bituminous coal extract to improve its use for motor fuel by raising its softening point and lowering its ignition temperature comprising treating the pulverulent extract with oxygen containing gas at elevated temperatures above 100° C.

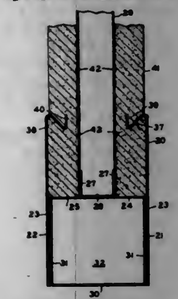
2,261,076
SWITCH
Edward G. Reaves, Kannapolis, N. C.
Application March 18, 1940, Serial No. 324,712
2 Claims. (Cl. 200—36)



1. An electrical switch adapted for use in conjunction with an alarm clock or the like comprising a supported freely rotatable shaft having a tapped opening formed in the end thereof for receiving and engaging with a threaded clock alarm stem; a rotary switch; and a unidirectional clutch coupling said switch and said shaft whereby rotation of the shaft causes operation of the switch; said clutch comprising a first sleeve rigidly mounted upon the shaft having a radially extending flanged end portion cut and segmentally outwardly bent to provide a radial rib, a second sleeve connected to the rotary switch likewise flanged at one end, a disc loosely mounted on the shaft and frictionally engaging the flange, and cut to present a radial rib, and spring pressing means for urging said ribs into engagement whereby rotation of the shaft in one direction results in rotation of the second sleeve and operation of the switch.

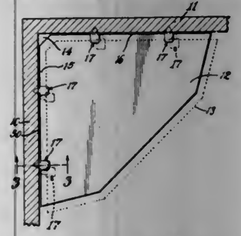
2,261,077
PARTITION WALL BASE
Carlton Schultz, Cleveland Heights, Ohio
Application September 9, 1939, Serial No. 294,138
1 Claim. (Cl. 72—46)

In a wall assembly, a retaining unit comprising a central inverted channel having a base and side walls, upright side walls secured thereto and extending upwardly from the base of the said channel, upright channel members to be secured to a floor and receivable between and fitting against the side walls of the said inverted channel, upright supporting posts receivable between said upright side wall members and resting on the base of the inverted channel, means carried by said unit between said upright side walls for securing the upright supporting posts in fixed



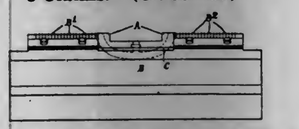
position, lath carried by said posts, plaster carried by said lath and extending between said upright walls, and the upper margins of said upright walls being arranged to interlock with the plaster when the plaster is finished flush with the outer surface of the said upright side walls.

2,261,078
SHELF AND MOUNTING THEREFOR
Franklin P. Shockey, Oak Park, Ill.
Application October 27, 1939, Serial No. 301,526
14 Claims. (Cl. 211—90)



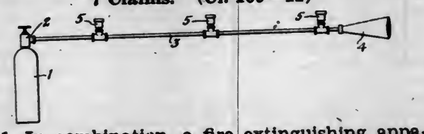
1. In combination, a shelf, and one or more mounting devices, said device having a sharp pointed horizontally disposed flat blade adapted to enter a wall horizontally by application of force, and having a body portion having one surfave extending horizontally in contact with the shelf to sustain the shelf vertically and another surface extending vertically in contact with the shelf to hold the said blade when entered in a wall against removal from the wall when said body portion sustains the shelf in ultimate position.

2,261,079
STRAIGHT-BAR KNITTING MACHINE
Harry Wilfred Start, Carlton, and Ernest Start, Wilford, England, assignors to George Blackburn and Sons Limited, Nottingham, England
Application June 19, 1941, Serial No. 398,818
In Great Britain April 23, 1940
5 Claims. (Cl. 66—90)



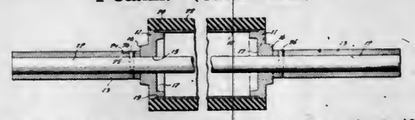
1. In a straight-bar knitting machine of the kind described the combination with the knocking-over bar of a guard disposed between the two groups of knocking-over bits to prevent the work extending in front of the needles during the formation of the first course catching on the needle beards when it is withdrawn onto the rear side of the needles substantially as described.

2,261,080
HIGH PRESSURE FLUID MEDIUM DISTRIBUTION SYSTEM
August L. Stellhorn, Packanack Lake, N. J., assignor to Specialties Development Corporation, Bloomfield, N. J., a corporation of New Jersey
Application March 13, 1939, Serial No. 261,504
7 Claims. (Cl. 169—11)



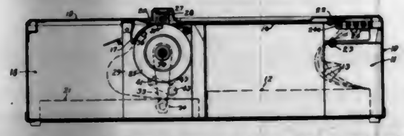
1. In combination, a fire extinguishing apparatus comprising a source of carbon dioxide releasably confined under pressure, a discharge conduit for the carbon dioxide connected to said source, outlet means in said conduit for the carbon dioxide, vent valve means in said conduit, both said last named means normally open with respect to the conduit and to the atmosphere, and means responsive to the effects of expanding carbon dioxide other than those of pressure operatively associated with said vent means to close said valve means.

2,261,081
INKING ROLLER
Edwin S. Beck, Clifton, N. J., assignor to Ben Day, Inc., New York, N. Y., a corporation of New Jersey
Application July 12, 1940, Serial No. 345,075
1 Claim. (Cl. 91—62.5)



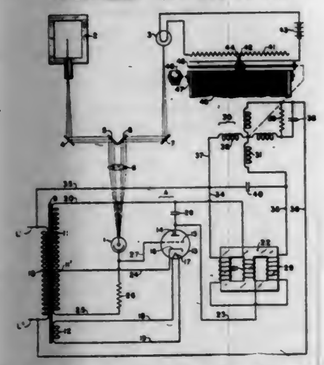
In an inking roller of the class described, the combination of a cylindrical, rotatable member comprising a shell, a resilient covering therefor, apertured hub members pressed into and carried by each end of the shell, and a support for the rotatable member comprising a shaft upon which the hub members are freely journalled, and handle portions affixed at each end of the shaft, the outer periphery of each hub member being formed with an annular, enlarged portion adjacent to the outer surface of the hub member, thus forming an annular shoulder which is tightly fitted against the end of the shell, the periphery of the enlarged portion being flush with the outer periphery of the shell, the resilient covering extending the full length of the rotatable member and enclosing the annular joints between the shell and the enlarged portions of the hub members, the handle portions being formed of tubular material closely fitting the terminals of the shaft, and means for securing the handle portions to the shaft comprising pins passing through each handle portion and the shaft, the inner terminal of each handle portion abutting against the adjacent hub member to prevent sidewise movement of the rotatable member during rotation thereof.

2,261,082
MANIFOLDING REGISTER
William G. Borchers, Hoboken, N. J., assignor to Autographic Register Company, Hoboken, N. J., a corporation of New Jersey
Application September 5, 1940, Serial No. 355,417
20 Claims. (Cl. 282—21)



1. In a manifolding machine, a platen adapted to support a plurality of superposed continuous strips each divided into a series of form lengths by transverse severing lines, each form length having a plurality of feed-arresting, form-registering physical alterations in mutual longitudinal alignment; and means for advancing said plurality of strips, said means being aligned with said physical alterations, and including a main feeding means cooperating with certain of said physical alterations to interrupt feeding of said strips and to bring the superposed form lengths of the several strips into registration before a severing line between two form lengths reaches a predetermined position on the machine, and supplementary feeding means for resuming advancement of said strips, the latter means cooperating with the other physical alterations to again interrupt the feeding of said strips and to accurately reregister the superposed form lengths by the time said severing line reaches said predetermined position.

2,261,083
CONTROL APPARATUS
Thomas R. Harrison, Wyncote, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 9, 1937, Serial No. 178,898
4 Claims. (Cl. 172—278)



1. In a motor control system, a reversible rotating field motor having a plurality of windings, an alternating current source, a separate direct current source variable about a predetermined value, an inductance and a capacitance connected in parallel and both connected in series with one of said motor windings across the source of alternating current, means connected to said source of direct current for controlling the value of said inductance, said inductance and capacitance being resonant at the predetermined value of direct current, and connections between the ends of the other of said motor windings and the alternating current source.

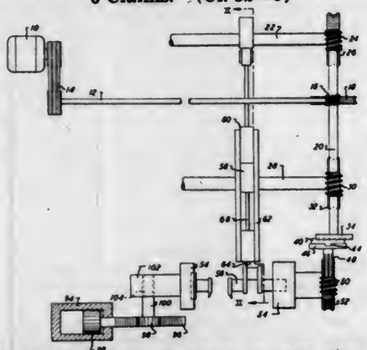
2,261,084
UREA-FORMALDEHYDE-ACID-AMINE CO-CONDENSATION PRODUCTS AND PROCESS OF MAKING THE SAME
Almon G. Hovey, Birmingham, and Theodore S. Hodgins, Royal Oak, Mich., assignors to Reichhold Chemicals, Inc., formerly Beck, Koller & Company, Inc., Detroit, Mich.
No Drawing. Application December 27, 1938, Serial No. 247,988
10 Claims. (Cl. 260—42)

3. An artificial resin suitable for use in coating compositions and the like formed by condensing urea and formaldehyde with a preformed resin derived from a polyfunctional carboxylic acid and an organic mono-amine, said urea, formaldehyde, and acid-amine resin comprising the principal reacting ingredients.

2,261,085
UREA-FORMALDEHYDE-ACID-AMINE CO-CONDENSATION PRODUCTS AND PROCESS OF MAKING THE SAME
Almon G. Hovey, Birmingham, and Theodore S. Hodgins, Royal Oak, Mich., assignors to Reichhold Chemicals, Inc., formerly Beck, Koller & Company, Inc., Detroit, Mich.
No Drawing. Application March 19, 1941, Serial No. 384,134
11 Claims. (Cl. 260—42)

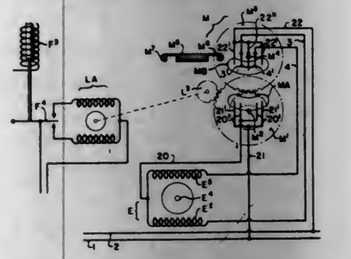
1. A process which comprises heat reacting an alcohol modified urea-formaldehyde resin with the resin formed from a polyfunctional carboxylic acid and an organic mono-amine, said urea-formaldehyde resin and acid-amine resin constituting the principal reacting ingredients.

2,261,086
CRANKSHAFT LATHE
William D. Hunt, Jackson, Mich., assignor to Crankshaft Machine Company, Jackson, Mich., a corporation of Michigan
Application October 20, 1939, Serial No. 300,291
6 Claims. (Cl. 82—9)



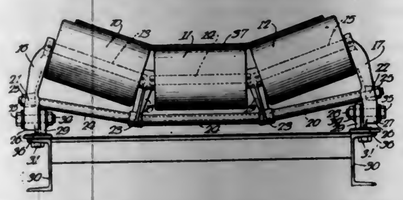
1. In a crankshaft lathe or the like, work and tool manipulating shafts, drive means for rotating said shafts in timed relation, said means including an Oldham coupling, feed mechanism for effecting relative movement between the work and tool, and means constituting a connection between said feed mechanism and one part of said coupling whereby the misalignment of said coupling parts corresponds to the feed of said mechanism.

2,261,087
CONTROL SYSTEM
Harry S. Jones, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Original application August 3, 1937, Serial No. 157,084. Divided and this application April 13, 1939, Serial No. 267,697
3 Claims. (Cl. 172—179)



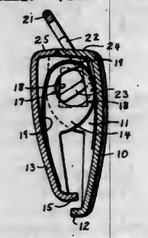
2. In a control system, the combination with a normally deenergized electric motor having two windings and adapted to operate in one direction or the other accordingly as one or the other of said windings is energized and to stall when both windings are simultaneously energized, motor controlling means comprising a switch mechanism having a plurality of positions and adapted to be selectively actuated from one of its positions in which both of said windings are deenergized into one or another of its remaining positions responsively to changes in a controlling quantity and adapted to energize one of said windings in each of said remaining positions respectively, thereby starting said motor into operation in one direction or the other, and adapted to be adjusted into another of its remaining positions on a return of said switch mechanism to said one position thereof to maintain said one of said windings energized momentarily and to momentarily energize the other of said windings to thereby positively interrupt the operation of said motor, and thereafter adapted to be adjusted into said one position to deenergize both windings.

2,261,088
BELT CONVEYER
Myron A. Kendall, Aurora, Ill., assignor to Stephens-Adamson Manufacturing Company, a corporation of Illinois
Application April 25, 1940, Serial No. 331,630
9 Claims. (Cl. 198—202)



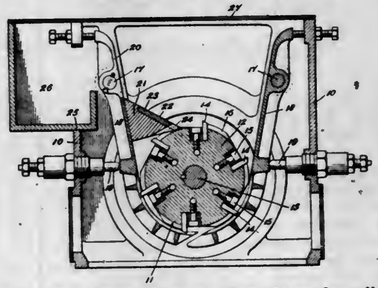
1. In a belt conveyer, a troughing carrier including oppositely inclined rollers, supports for the inclined rollers mounted to rock both ways from their medial position to automatically tilt the rollers in the direction of travel in response to the action of the belt and means to yieldingly resist the tilting movement to either side of the medial position and tending to automatically restore the rollers to medial position when the action of the belt is relieved irrespective of the inclination of the belt conveyer.

2,261,089
GARMENT CLASP
Louis Kurtz, Woodside, N. Y., assignor to U. S. Clasp Corp., New York, N. Y., a corporation of New York
Application May 17, 1940, Serial No. 335,670
2 Claims. (Cl. 24—250)



2. A clasp device for the general purposes described, and of the type having two cooperating jaws, the front jaw of which is the larger and operatively receives the smaller rear jaw thereinto, with spring means for opening said jaws, and pivot means for retaining said jaws in operative relation, comprising a resilient loop member having parallel side arms integrally formed with the aforesaid pivot means for manually closing the jaws and compressing the spring, stop means formed on the front jaw for limiting the movement of the side arms toward closed position, and cam detent means also formed on the front jaw just forward of the stop means and over which the arms yieldably ride until they pass said cam detent means, whereupon the loop by its resiliency restores the arms to normal position and snaps them into latched place behind the cam detent means to hold said arms against the stop means, thereby preventing the clasp device from inadvertently opening, and also preventing the side arms when closing from applying strain on the rear jaw.

2,261,090
TRITURATING APPARATUS
Arthur C. Lind, Milwaukee, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Application April 26, 1939, Serial No. 270,246
1 Claim. (Cl. 83—6)



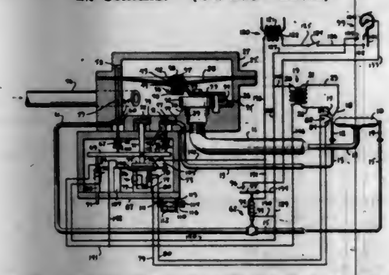
Triturating apparatus of the class described, comprising a housing; a rotor mounted therein provided with circumferentially and longitudinally spaced cutters; a grid adjacent said rotor having portions co-operating with said cutters to

shear or shred soft solids and semi-solids; and an intercepting member mounted in said housing in advance of said shearing or shredding portions of the grid, said member having a surface extending angularly away from the surface of the rotor and disposed to intercept hard unshredable objects propelled by the rotor and cutters toward said shredding portions of the grid and prevent said objects from being carried to said grid portions, said member also having portions extending into the longitudinal spaces between the cutters whereby it may also cooperate with them in shearing or shredding the soft solids and semi-solids.

2,261,091
WATERPROOFING COMPOSITION
James Francis Maguire, South Orange, N. J., assignor to Reichhold Chemicals, Inc., Detroit, Mich.
No Drawing. Application December 30, 1940, Serial No. 372,425
9 Claims. (Cl. 106—230)

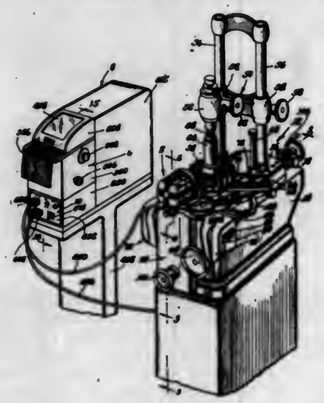
1. A waterproofing composition comprising a mixture of a waxy substance and an ester gum of a polyhydric alcohol and polymerized rosin; the waxy substance being selected from a group consisting of paraffin wax, carnauba wax, candellila wax, beeswax, montan wax, ozokerite, stearic acid and cetyl alcohol; and the polyhydric alcohol being selected from a group consisting of glycerine, ethylene glycol, di-ethylene glycol, triethylene glycol, diglycol, sorbitol, mannitol, erythritol, and pentaerythritol; the ester gum being used in proportion of 10 to 80% of the composition and the waxy substance being used in the proportion of 20 to 90%.

2,261,092
BURNER CONTROL SYSTEM
Du Wayne J. Peterson, Chicago, Ill., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application February 25, 1938, Serial No. 192,515
12 Claims. (Cl. 158—117.1)



1. In combination, a main valve, a pressure motor operatively connected to said valve, a control member controlling the pressure in said pressure motor and movable between a first position in which said main valve is closed and a second position in which said main valve is opened, electromagnetic means for controlling the position of said control member, said electromagnetic means comprising two members one an electromagnet and the other an armature and one of which is associated with said control member, said electromagnet being capable of holding but incapable of moving said members together, and supplementary power operated motor means for moving said electromagnet and said armature together.

2,261,093
SURFACE TESTING AND RECORDING MACHINE
Ouglјesa J. Poupitch, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois
Application January 15, 1940, Serial No. 313,888
27 Claims. (Cl. 33—174)

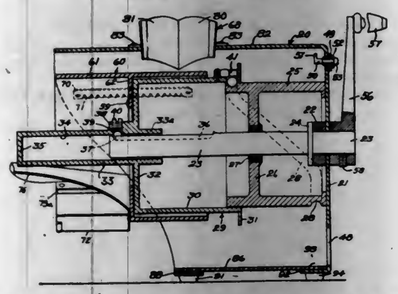


1. In a surface contour tester and recorder, means for supporting work pieces having surfaces to be tested which may extend in different directions, a testing instrumentality including a member adapted to engage the surfaces to be tested, means for relatively moving the work piece and the testing instrumentality to cause the surface engaging member to traverse said surfaces in a forward direction of action in accordance with the direction of extension of said surfaces and reversely, a recorder having a marking member operatively controlled by said testing instrumentality, means for feeding the record sheet past the marking member in synchronism with the relative movement of the testing instrumentality and the work piece and control means for causing the record sheet to move in the same direction past the marking member during the traversal of the surfaces in a forward direction of action and to move reversely past the marking member as the testing instrumentality traverses the surfaces in a direction opposite to the direction of action.

2,261,094
TREATMENT OF KERATINS
John Bamber Speakman, Far Headingley, Leeds, England
No Drawing. Application December 9, 1935, Serial No. 53,688. In Great Britain December 10, 1934
8 Claims. (Cl. 167—87.1)

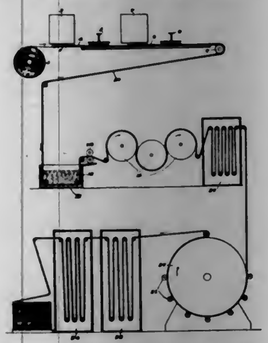
1. Method of permanently waving hair which comprises treating the hair for a period not exceeding 30 minutes with a solution of a reducing agent at a temperature appreciably below the boiling point and in the absence of amphoteric metals to effect reduction and disruption of the disulphide or cystine bond of keratin of the hair with the formation of sulphydryl groups and thereafter treating the hair while maintaining it in a curled or waved condition with a solution of at least one polyvalent metal compound whereby to form sulphur bonds containing a polyvalent metal in the hair molecules while the hair is in the curled or waved condition.

2,261,095
VEGETABLE DICER
Kuno W. Mesterton, Brooklyn, N. Y.
Application June 12, 1940, Serial No. 340,043
15 Claims. (Cl. 146—78)



1. In a vegetable cutter, a frame having a base and a portion substantially overhanging said base, the end of the overhanging portion being open, a cylinder rotatably carried in said frame, means for reciprocating said cylinder axially as it rotates, a station having a V-shaped portion for holding a vegetable, a group of parallel scoring blades carried by said cylinder for producing scores in said vegetable when said cylinder is moved axially in one direction as it rotates, said vegetable being backed up by one leg of said V, a second group of parallel scoring blades carried by said cylinder for producing other scores angular with respect to said first scores as said cylinder is moved axially in the opposite direction as it rotates, said vegetable being backed up by the other leg of said V, means also carried by said cylinder for cutting off the scored portion of said vegetable and thereby forming dice, and means carried in said cylinder for causing said dice to fall beyond the extremity of said frame.

2,261,096
NEEDLED FABRIC AND METHOD OF MAKING THE SAME
Henry A. Reinhardt, Amsterdam, N. Y., assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn., a corporation of Massachusetts
Application March 29, 1937, Serial No. 133,504
7 Claims. (Cl. 91—68)

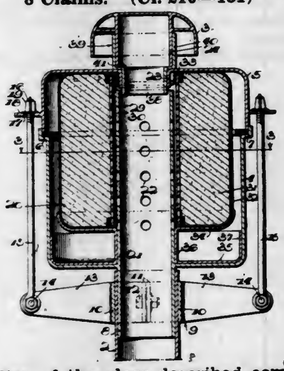


1. The method of binding the fibers of a needled felt fabric without the formation of a continuous surface coating on the fabric which consists in thoroughly wetting the needled fabric with a very thin aqueous dispersion of rubber adhesive containing not more than approximately 15% solids by weight, squeezing the fabric to cause the bath to permeate through the fabric while removing from the fabric a large portion of the diluent and subsequently treating the fabric to set the adhesive thereby deposited so that the needled fibers of the fabric are adhered together by accumulations of adhesive at the fiber intersections without materially stiffening the fabric.

2,261,097
WATER REPELLENT AND PROCESS OF MAKING SAME
John B. Rust, West Orange, N. J., assignor to Ellis-Foster Company, a corporation of New Jersey
No Drawing. Application July 19, 1939, Serial No. 285,456
7 Claims. (Cl. 260—295)

1. Stearoyloxymethyl pyridinium chloride.

2,261,098
AUTOMOBILE OIL FILTER
John D. Wicks, Providence, R. I., assignor to Accessories Corporation, Gastonia, N. C., a corporation of North Carolina
Application July 10, 1939, Serial No. 283,653
8 Claims. (Cl. 210—131)

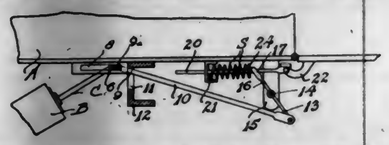


1. A filter of the class described comprising a casing having a side wall and provided at its top with a fresh oil inlet and having an outlet at its bottom, said casing being provided at the bottom thereof with a depending tube adapted to be mounted in the filler tube of an engine, said casing being also provided with a vertical tube extending upwardly from the bottom opening to a point adjacent the top of the casing in alignment with the fresh oil inlet and having openings extending through the wall thereof, means for clamping the casing of the filter to the filler tube of an engine, a filter unit disposed within the casing and surrounding said vertical tube, said unit being spaced from the side wall of the casing, a conduit communicating with the space existing between the unit and said side wall for introducing oil under pressure into the casing for filtering the same radially inwardly through said unit.

2,261,099
TAIL GATE CONTROL
Philip R. Fairbanks, Ogden, Utah
Application April 11, 1940, Serial No. 329,185
4 Claims. (Cl. 298—23)

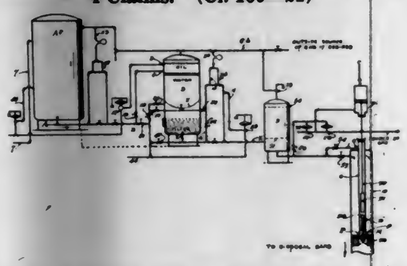
1. In a tail gate control for dump truck

bodies which include body elevating mechanism the combination of a tail gate having depending levers by which it is opened and closed; horizontal control rods mounted with one end engaged with the free ends of said levers and the other end passed through a rod guide; a transverse cross bar mounted across under said control rods; levers extending up from said cross bar



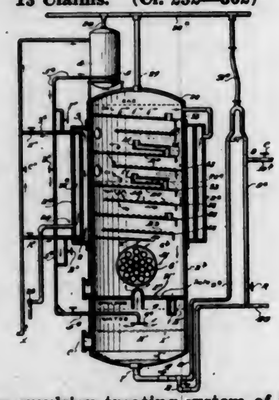
having their ends bifurcated with one of the control rods disposed between the bifurcated ends of each lever; a spring plate carried adjustably on each of said control rods against which the bifurcated ends of the levers engage; a depending lever extending from said cross bar; and means to actuate said depending lever by the movement of the elevating mechanism for the dump truck body to open and close the tail gate.

2,261,100
BRINE INJECTION METHOD FOR OIL WELLS
Ransome W. Erwin, Longview, Tex., assignor to Salt Water Control Inc., Fort Worth, Tex., a corporation
Application July 25, 1941, Serial No. 404,094
4 Claims. (Cl. 166—21)



1. An injection method for oil fields and the like which comprises introducing liquid into the upper portion of a well having a porous formation at the bottom thereof from an external source whose level is maintained above the level of the well, and controlling the flow of liquid through the well to said porous formation from a point in the well substantially below the point of introduction in accordance with variations in the level of said source to maintain a substantially continuous column from said formation to said source, thereby avoiding cascading.

2,261,101
EMULSION TREATING APPARATUS
Ransome W. Erwin, Longview, Tex., assignor to Salt Water Control Inc., Fort Worth, Tex., a corporation
Application July 25, 1941, Serial No. 404,095
13 Claims. (Cl. 252—362)

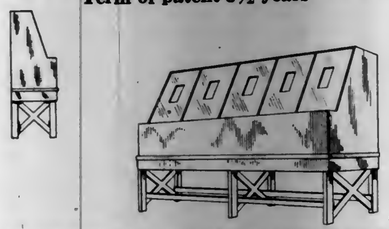


1. In an emulsion treating system of the character described, a closed emulsion treating tank having an inlet for oil and water emulsion to be treated, a heating zone above said inlet, and a baffling zone above the heating zone, said baffling zone including a plurality of inclined baffles, each having a plurality of upstanding projections having oil openings therethrough, said projections providing a plurality of water passageways between them to allow water to flow down said baffles, and a main water passageway at the ends of said baffles whereby water separated out from the emulsion is allowed to flow by gravity to the lower portion of the treating tank; said baffles being so arranged that alternate baffles or every other baffle has a layer of untreated oil held under it for a time, thereby delaying its upward flow through the hot water and providing more contact time with the water in the breaking of emulsion and dehydration of oil; a gas zone above the baffling zone, a gas off-take from the gas zone, an oil outlet from the upper portion of the baffling zone, and a water outlet from the lower portion of the treating tank below the emulsion inlet.

DESIGNS

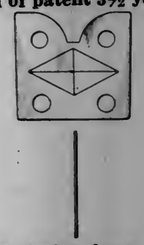
OCTOBER 28, 1941

130,113
DESIGN FOR A GAME CABINET
Archie H. Bechtol, Daytona Beach, Fla.
Application December 21, 1940, Serial No. 97,507
Term of patent 3½ years



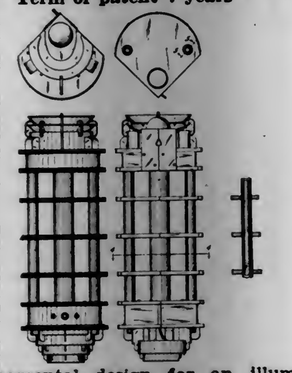
The ornamental design for a game cabinet, as shown.

130,114
DESIGN FOR A MAH-JONGG COIN INDICATOR OR SIMILAR ARTICLE
Grace Bloom, New York, N. Y.
Application May 15, 1941, Serial No. 100,944
Term of patent 3½ years



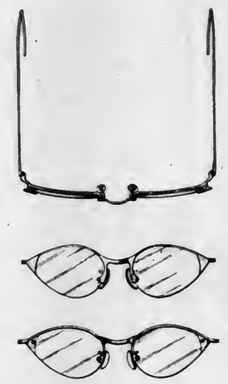
The ornamental design for a mah-jongg coin indicator or similar article, as shown.

130,115
DESIGN FOR AN ILLUMINABLE WHATNOT
George Braun, Jr., Sappington, Mo.
Application February 20, 1941, Serial No. 99,132
Term of patent 7 years



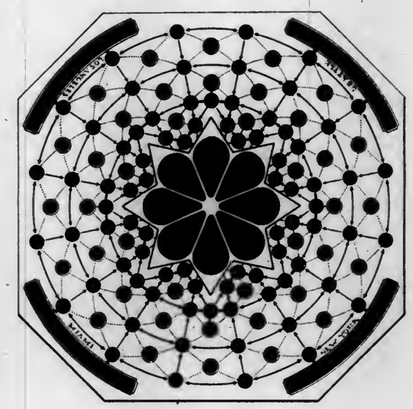
The ornamental design for an illuminable whatnot, as shown.

130,116
DESIGN FOR A RIMLESS SPECTACLE
Joseph J. Carlson, New York, N. Y.
Application April 21, 1941, Serial No. 100,547
Term of patent 14 years



The ornamental design for a rimless spectacle, as shown and described.

130,117
DESIGN FOR A GAME BOARD
Clarence Neil De Witt, North Hollywood, Calif.
Application December 31, 1940, Serial No. 97,741
Term of patent 14 years



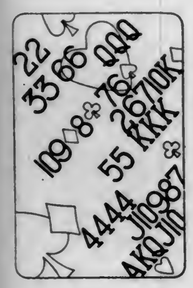
The ornamental design for a game board, as shown and described.

130,118
DESIGN FOR A CHAIR
Halbert Creston Doner, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio
Application February 19, 1941, Serial No. 99,095
Term of patent 7 years



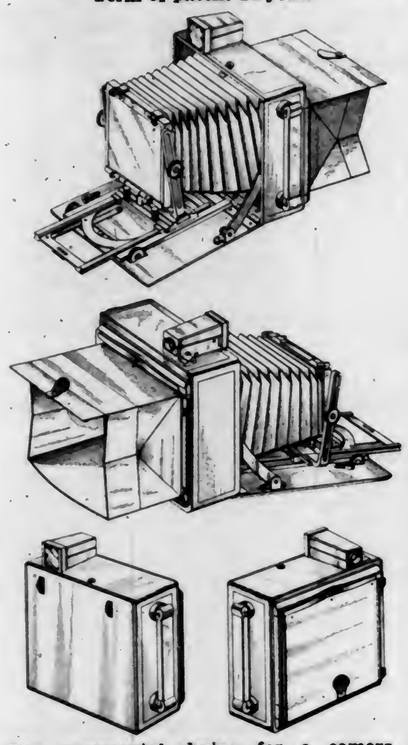
The ornamental design for a chair, substantially as shown.

130,119
DESIGN FOR A PLAYING CARD
Alden B. Dow, Midland, Mich.
Application March 6, 1941, Serial No. 99,382
Term of patent 14 years



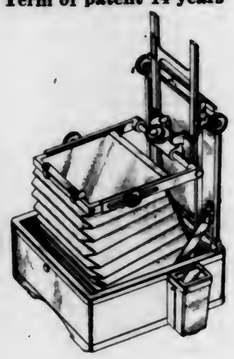
The ornamental design for a playing card, substantially as shown and described.

130,120
DESIGN FOR A CAMERA
Harry S. Drucker, New York, N. Y., assignor to Burke & James, Inc., Chicago, Ill., a corporation of Illinois
Application August 4, 1941, Serial No. 102,675
Term of patent 14 years

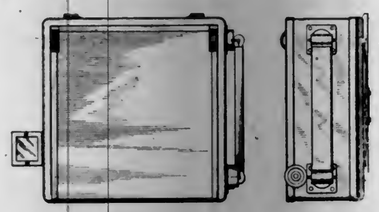


The ornamental design for a camera, as shown.

130,121
DESIGN FOR A CAMERA
Harry S. Drucker, New York, N. Y., assignor to Burke & James, Inc., Chicago, Ill., a corporation of Illinois
Application August 4, 1941, Serial No. 102,676
Term of patent 14 years

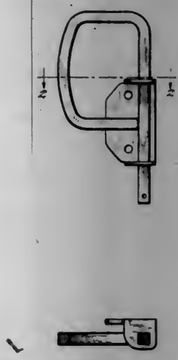


130,121—Continued



The ornamental design for a camera, as shown.

130,122
DESIGN FOR A LATCH
Harry Engert, Chicago, Ill.
Application July 21, 1941, Serial No. 102,332
Term of patent 14 years



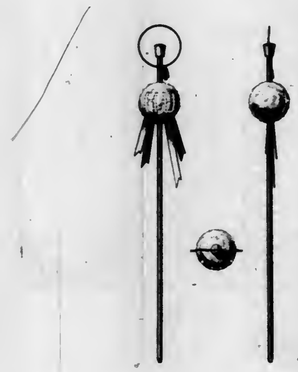
The ornamental design for a latch, substantially as shown.

130,123
DESIGN FOR A DISPLAY PLATE FOR AN AUTOMOBILE
Thomas Grimes, Santa Barbara, Calif.
Application January 15, 1941, Serial No. 98,091
Term of patent 3½ years



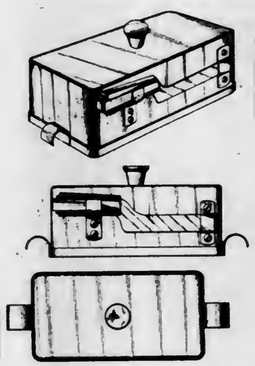
The ornamental design for a display plate for an automobile, as shown.

130,124
DESIGN FOR A RALLY STICK
Edward Hart, Portland, Oreg.
Application August 7, 1940, Serial No. 94,288
Term of patent 7 years



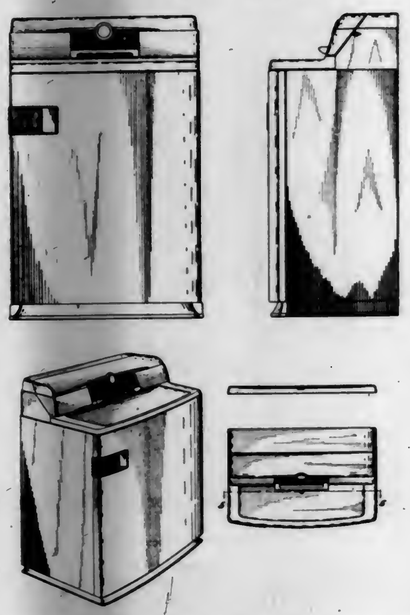
The ornamental design for a rally stick, as shown.

130,125
DESIGN FOR A CHEESE SERVER OR ANALOGOUS ARTICLE
Carl Horix, Chicago, Ill.
Application May 9, 1941, Serial No. 100,859
Term of patent 14 years



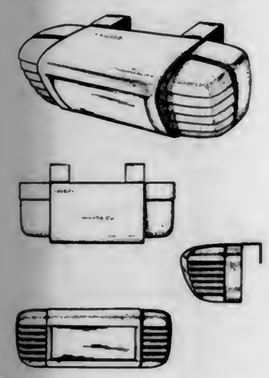
The ornamental design for a cheese server or analogous article, as shown and described.

130,126
DESIGN FOR A REFRIGERATOR CABINET
Raymond Loewy, New York, N. Y., assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application May 10, 1941, Serial No. 100,888
Term of patent 14 years



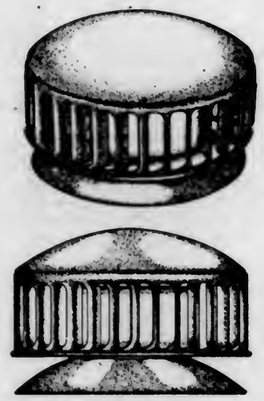
The ornamental design for a refrigerator cabinet, as shown.

130,127
DESIGN FOR A BED LAMP
Louis Ludwig, Brooklyn, N. Y.
Application August 18, 1941, Serial No. 102,914
Term of patent 14 years



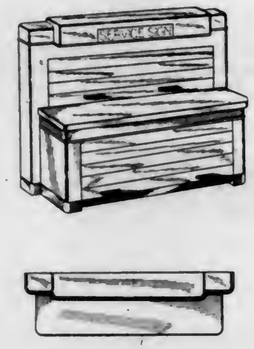
The ornamental design for a bed lamp, as own.

130,128
DESIGN FOR AN ELECTRIC FAN
Henry W. Mackey and Guy M. Lane, Detroit, Mich.
Application May 26, 1941, Serial No. 101,158
Term of patent 7 years



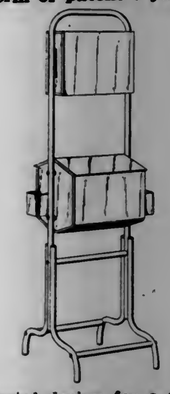
The ornamental design for an electric fan, substantially as shown and described.

130,129
DESIGN FOR A COMBINED WORK BENCH AND CABINET OR SIMILAR ARTICLE
Charles W. MacMillan, Jackson, Mich., assignor to Hinckley-Myers Company, Jackson, Mich.
Application July 5, 1941, Serial No. 101,905
Term of patent 3½ years



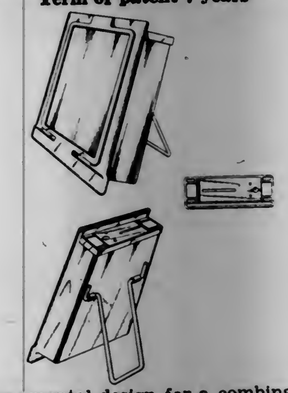
The ornamental design for a combined work bench and cabinet or similar article, substantially as shown and described.

130,130
DESIGN FOR A PEDESTAL CABINET
Philip D. Parsons, Swarthmore, Pa., assignor to Scott Paper Company, Chester, Pa., a corporation of Pennsylvania
Application August 22, 1941, Serial No. 102,992
Term of patent 7 years



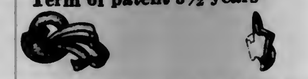
The ornamental design for a pedestal cabinet, substantially as shown.

130,131
DESIGN FOR A COMBINATION COIN BANK AND PICTURE FRAME OR SIMILAR ARTICLE
Robert Edward Pfleger, Cleveland, Ohio
Application June 21, 1941, Serial No. 101,602
Term of patent 7 years



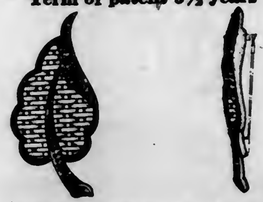
The ornamental design for a combination coin bank and picture frame or similar article, as shown.

130,132
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application October 1, 1941, Serial No. 103,596
Term of patent 3½ years



The ornamental design for an earring or similar article, substantially as shown.

130,133
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application October 1, 1941, Serial No. 103,597
Term of patent 3½ years



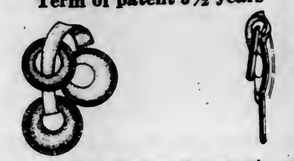
The ornamental design for a pin clip, substantially as shown.

130,134
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application October 1, 1941, Serial No. 103,598
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

130,135
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application October 1, 1941, Serial No. 103,599
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

130,136
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application October 1, 1941, Serial No. 103,600
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

130,137
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application October 1, 1941, Serial No. 103,601
Term of patent 3½ years



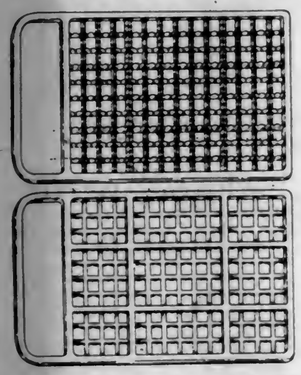
The ornamental design for a pin clip, substantially as shown.

130,138
DESIGN FOR A LINGERIE BUCKLE
Morris Rosenberg, Brooklyn, N. Y.
Application February 3, 1941, Serial No. 98,678
Term of patent 7 years



The ornamental design for a lingerie buckle, substantially as shown.

130,139
DESIGN FOR A FOOD GRATER
Irving Rosenbloom, New York, N. Y.
Application August 14, 1941, Serial No. 102,843
Term of patent 7 years



The ornamental design for a food grater, substantially as shown.

130,140
DESIGN FOR A TEXTILE FABRIC
Benjamin W. Rosenblum, New York, N. Y.
Application September 30, 1941, Serial No. 103,564
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown, and described.

130,141
DESIGN FOR A JEWELRY FINDING
Carl Schraysshuen, Providence, R. I.
Application February 17, 1941, Serial No. 99,056
Term of patent 7 years



The ornamental design for a jewelry finding, substantially as shown.

130,142
DESIGN FOR A PHYSIOTHERAPY STRETCHING TABLE
Bernard H. Stauffer, Los Angeles, Calif.
Application July 15, 1940, Serial No. 93,651
Term of patent 7 years

The ornamental design for a physiotherapy stretching table, as shown, and described.

130,143
DESIGN FOR A SHOE
Harry Le Roy Sutcliffe, New York, N. Y.
Application September 22, 1941, Serial No. 103,454
Term of patent 3½ years



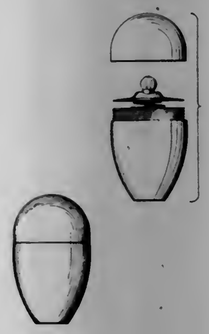
The ornamental design for a shoe, substantially as shown and described.

130,144
DESIGN FOR A SEPARABLE BROOCH OR SIMILAR ARTICLE
Gene Verrecchio, Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application August 8, 1941, Serial No. 102,736
Term of patent 3½ years



The ornamental design for a separable brooch or similar article, substantially as shown.

130,145
DESIGN FOR A TRANSLUCENT DARNER
Leonore von Meissner, New York, N. Y.
Application August 21, 1940, Serial No. 94,537
Term of patent 7 years



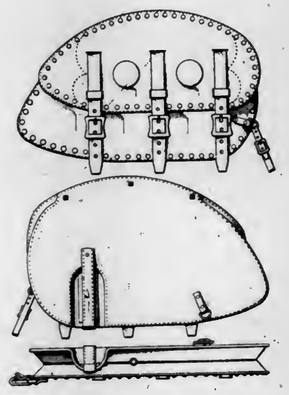
The ornamental design for a translucent darner, as shown.

130,146
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Albert M. Walker, Akron, Ohio, assignor to The Bailey-Walker China Co., Bedford, Ohio
Application August 20, 1941, Serial No. 102,964
Term of patent 7 years



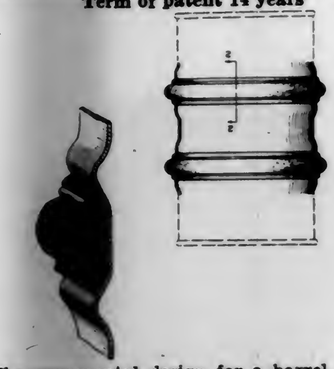
The ornamental design for a plate or similar article, substantially as shown.

130,147
DESIGN FOR A MOTORCYCLE BAG
Maurice F. Allen, Elgin, Ill.
Application August 20, 1941, Serial No. 102,973
Term of patent 7 years



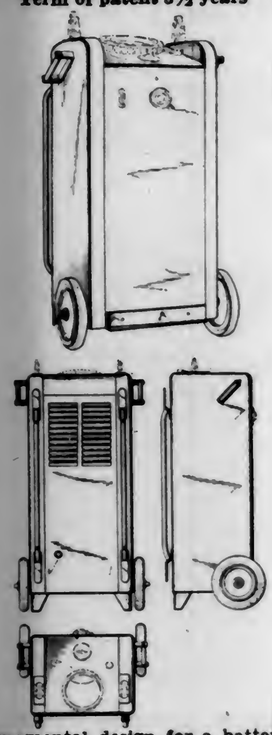
The ornamental design for a motorcycle bag, as shown.

130,148
DESIGN FOR A BARREL
William I. Hanrahan, New York, N. Y., assignor to The Petroleum Iron Works Company of Ohio, Petroleum, Ohio, a corporation of Ohio
Application March 26, 1941, Serial No. 99,916
Term of patent 14 years



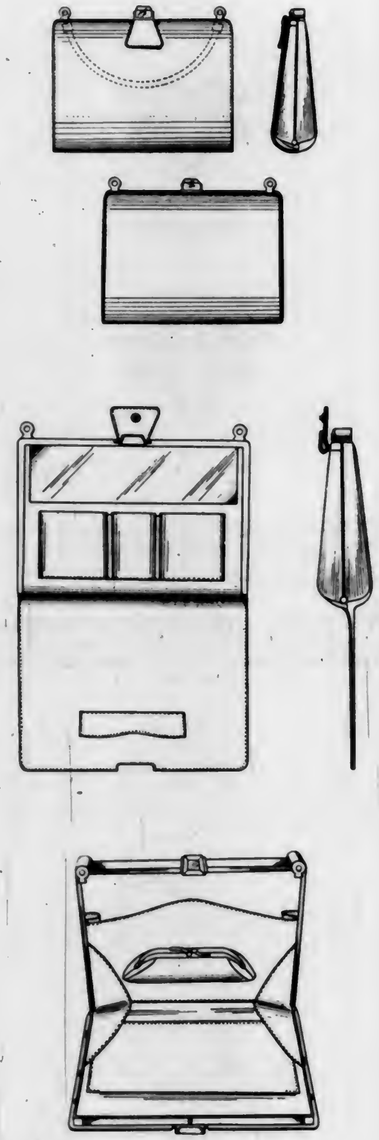
The ornamental design for a barrel, substantially as shown and described.

130,149
DESIGN FOR A BATTERY CHARGER CASE
John H. Kolseth, Newark, N. J., assignor to Atlas Supply Company, Newark, N. J., a corporation of Delaware
Application July 30, 1941, Serial No. 102,573
Term of patent 3½ years



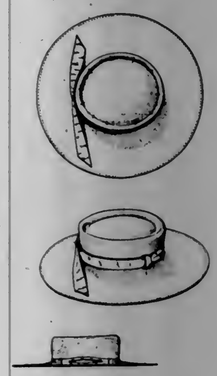
The ornamental design for a battery charger case, as shown and described.

130,150
DESIGN FOR A HANDBAG
Abraham Kulick, New York, N. Y.
Application January 24, 1941, Serial No. 98,360
Term of patent 3½ years



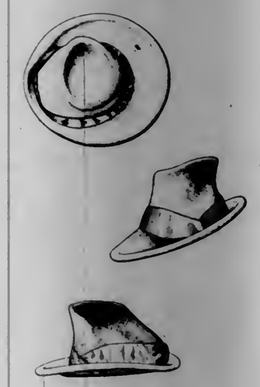
The ornamental design for a handbag, substantially as shown and described.

130,151
DESIGN FOR A HAT
Paul M. Maxwell, Manhasset, N. Y., and Wilhelmina J. Russy, Jersey City, N. J., assignors to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware
Application June 27, 1941, Serial No. 101,741
Term of patent 3½ years



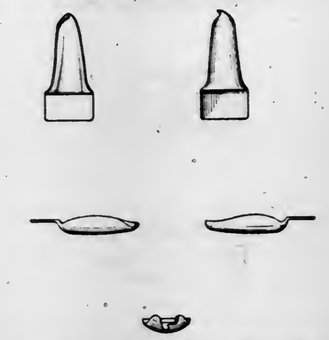
The ornamental design for a hat, as shown.

130,152
DESIGN FOR A HAT
Paul M. Maxwell, Manhasset, and Esther Lundberg, New York, N. Y., assignors to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware
Application July 12, 1941, Serial No. 102,091
Term of patent 3½ years



The ornamental design for a hat, as shown.

130,153
DESIGN FOR A PIPE BOWL CLEANER
Orlando Z. McCoy, Cleveland, Ohio
Application April 24, 1939, Serial No. 84,513
Term of patent 7 years



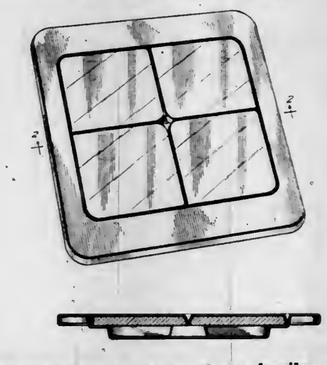
The ornamental design for a pipe bowl cleaner, substantially as shown.

130,154
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
David Mir, New York, N. Y.
Application October 6, 1941, Serial No. 103,657
Term of patent 3½ years



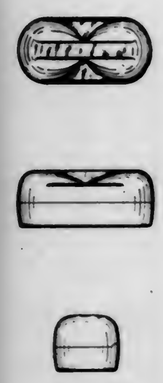
The ornamental design for a brooch or similar article, substantially as shown.

130,155
DESIGN FOR A BROILER
Claude E. Parker, Chicago, Ill., assignor to Gas Products Corporation, Chicago, Ill., a corporation of Illinois
Application January 21, 1941, Serial No. 98,234
Term of patent 7 years



The ornamental design for a broiler, substantially as shown.

130,156
DESIGN FOR A CASE FOR EAR PROTECTORS OR OTHER ARTICLES
Paul C. Perrin, Pittsburgh, Pa.
Application September 19, 1940, Serial No. 95,195
Term of patent 14 years



The ornamental design for a case for ear protectors or other articles, substantially as shown.

130,157
DESIGN FOR A COMBINED BOTTLE, PEDESTAL, AND COVER THEREFOR
Felix Sang, New York, N. Y., assignor to Parfums Romance, Inc., New York, N. Y., a corporation of New York
Application July 22, 1941, Serial No. 102,370
Term of patent 3½ years



The ornamental design for a combined bottle, pedestal, and cover therefor, substantially as shown and described.

130,158
DESIGN FOR A COMBINATION UNIFORM DRESS
Norman A. Shane, Evansville, Ind.
Application May 24, 1941, Serial No. 101,120
Term of patent 14 years



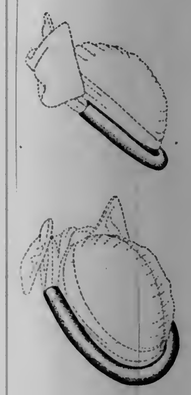
The ornamental design for a combination uniform dress, as shown.

130,159
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Jack Silson, New York, N. Y.
Application October 6, 1941, Serial No. 103,652
Term of patent 3½ years



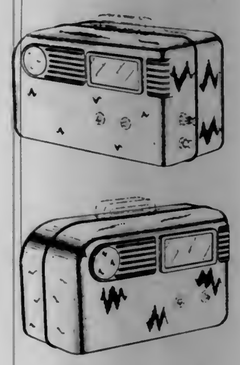
The ornamental design for a brooch or similar article, substantially as shown.

130,160
DESIGN FOR A COMBINED HAT AND HAIR ROLL
Elizabeth Y. Simon, New York, N. Y.
Application August 21, 1941, Serial No. 102,980
Term of patent 3½ years



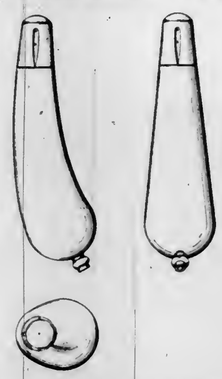
The ornamental design for a combined hat and hair roll, substantially as shown and described.

130,161
DESIGN FOR AN ELECTRIC FENCE CONTROLLER CABINET
Clifford Brooks Stevens, Milwaukee, Wis., assignor to Simplicity Manufacturing Company, Port Washington, Wis., a corporation of Wisconsin
Application July 12, 1941, Serial No. 102,106
Term of patent 7 years



The ornamental design for an electric fence controller cabinet, as shown and described.

130,162
DESIGN FOR A DOUCHE
Frank B. Van Wormer, Niles, Ill.
Application May 21, 1941, Serial No. 101,075
Term of patent 14 years



The ornamental design for a douche, as shown.

130,163
DESIGN FOR A PETAL CONFECTION BASKET
Effie Lue Wise, Durand, Ill.
Application May 5, 1941, Serial No. 100,775
Term of patent 3½ years



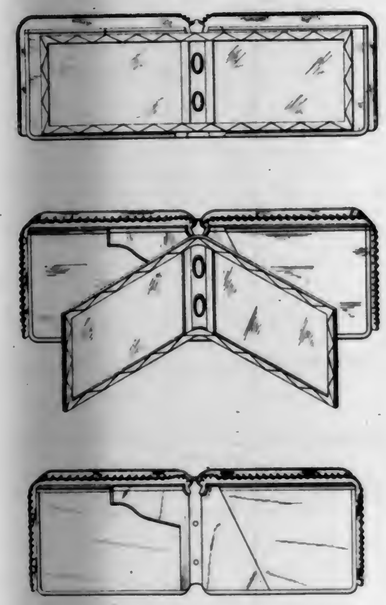
The ornamental design for a petal confection basket, as shown.

130,164
DESIGN FOR A ROSE CONFECTION BASKET
Effie Lue Wise, Durand, Ill.
Application May 5, 1941, Serial No. 100,776
Term of patent 3½ years



The ornamental design for a rose confection basket, as shown.

130,165
DESIGN FOR A COMBINED WALLET AND CARD HOLDER
Simon P. Wolf, Philadelphia, Pa.
Application April 4, 1941, Serial No. 100,151
Term of patent 14 years



The ornamental design for a combined wallet and card holder, substantially as shown and described.

130,166
DESIGN FOR TROUSERS
Eddie Bauer, Seattle, Wash.
Application July 26, 1941, Serial No. 102,498
Term of patent 14 years



The ornamental design for trousers, as shown.

130,167
DESIGN FOR A PARKA JACKET
Eddie Bauer, Seattle, Wash.
Application July 26, 1941, Serial No. 102,499
Term of patent 14 years



The ornamental design for a parka jacket, as shown.

130,168
DESIGN FOR A MOUNTING BRACKET FOR AN AIRCRAFT GENERATOR
Vera C. Hodges, Los Angeles, Calif., assignor to H. P. Lester, Thomas B. Smallwood, and Vera C. Hodges, doing business as Champion Aviation Products Company, Los Angeles, Calif., a co-partnership
Application April 28, 1941, Serial No. 100,657
Term of patent 14 years



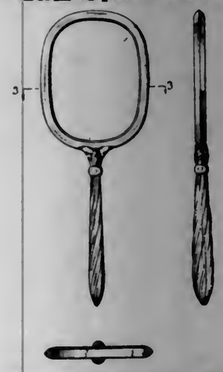
The ornamental design for a mounting bracket for an aircraft generator, substantially as shown.

130,169
DESIGN FOR A COMPACT
Florence N. Lewis, New York, N. Y.
Application September 18, 1941, Serial No. 103,397
Term of patent 7 years



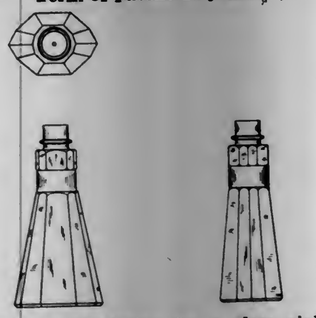
The ornamental design for a compact, substantially as shown and described.

130,170
DESIGN FOR A FRAME FOR A HAND MIRROR OR SIMILAR ARTICLE
Leo Marder, Brooklyn, N. Y.
Application September 16, 1941, Serial No. 103,374
Term of patent 3½ years



The ornamental design for a frame for a hand mirror or similar article, substantially as shown and described.

130,171
DESIGN FOR A GLASS VIAL
John H. Meier, Jr., Pittsburgh, Pa.
Application August 7, 1941, Serial No. 102,714
Term of patent 14 years



The ornamental design for a glass vial, substantially as shown.

130,172
DESIGN FOR A LACE TABLECLOTH
Walter C. Miller, Abington, Pa., assignor to Quaker Lace Company, Incorporated, Philadelphia, Pa.
Application October 1, 1941, Serial No. 103,605
Term of patent 7 years



The ornamental design for a lace tablecloth, substantially as shown and described.

130,173
DESIGN FOR A LACE TABLECLOTH
Walter C. Miller, Abington, Pa., assignor to Quaker Lace Company, Incorporated, Philadelphia, Pa.
Application October 1, 1941, Serial No. 103,606
Term of patent 14 years



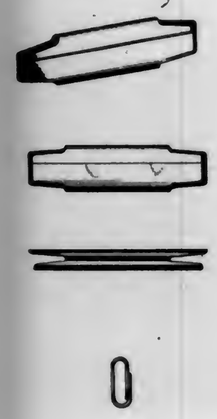
The ornamental design for a lace tablecloth, substantially as shown and described.

130,174
DESIGN FOR A TEXTILE FABRIC
William H. Rigney, La Fayette, R. I.
Application October 6, 1941, Serial No. 103,663
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

130,175
DESIGN FOR AN ENCLOSURE FOR SANITARY ROLLED RUBBER GOODS
Carl J. Schmid, New York, N. Y.
Application January 17, 1940, Serial No. 89,523
Term of patent 14 years



The ornamental design for an enclosure for sanitary rolled rubber goods, as shown.

130,176
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Mark Turpan, West Englewood, N. J.
Application October 4, 1941, Serial No. 103,631
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, as shown.

130,177
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application October 6, 1941, Serial No. 103,649
Term of patent 3½ years



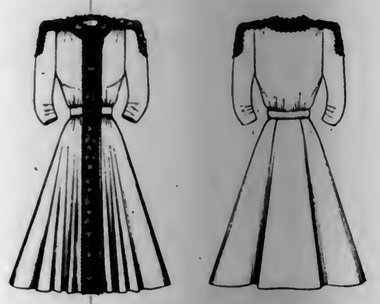
The ornamental design for a dress, substantially as shown.

130,178
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application October 11, 1941, Serial No. 103,723
Term of patent 3½ years



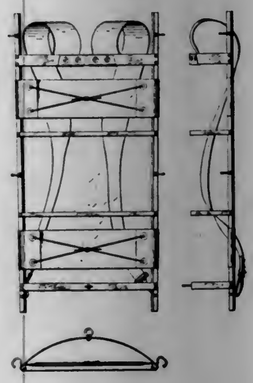
The ornamental design for a dress, substantially as shown.

130,179
DESIGN FOR A DRESS
Jack Goldman, New York, N. Y.
Application October 11, 1941, Serial No. 103,720
Term of patent 3½ years



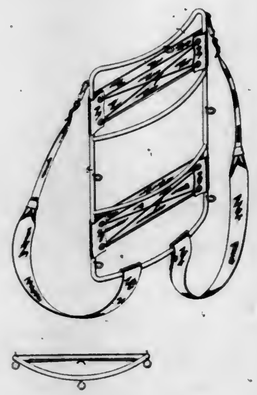
The ornamental design for a dress, substantially as shown.

130,180
DESIGN FOR A PACK FRAME
Asa J. Hartsock, Oakland, Calif.
Application September 8, 1939, Serial No. 87,096
Term of patent 14 years



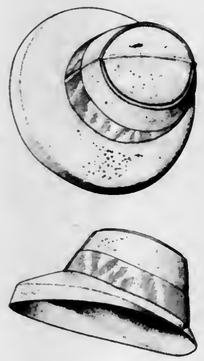
The ornamental design for a pack frame substantially as shown.

130,181
DESIGN FOR A PACK FRAME
Asa J. Hartsock, Oakland, Calif.
Application January 23, 1941, Serial No. 98,298
Term of patent 14 years



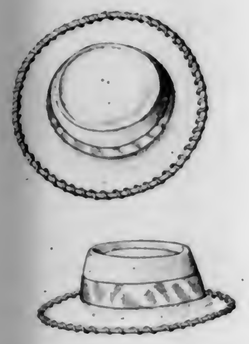
The ornamental design for a pack frame, substantially as shown.

130,182
DESIGN FOR A HAT
Paul M. Maxwell, Manhasset, N. Y., and Wilhelmina J. Russy, Jersey City, N. J., assignors to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware
Application June 27, 1941, Serial No. 101,742
Term of patent 3½ years



The ornamental design for a hat, as shown.

130,183
DESIGN FOR A HAT
Paul M. Maxwell, Manhasset, N. Y., and Wilhelmina J. Russy, Jersey City, N. J., assignors to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware
Application July 5, 1941, Serial No. 101,901
Term of patent 3½ years



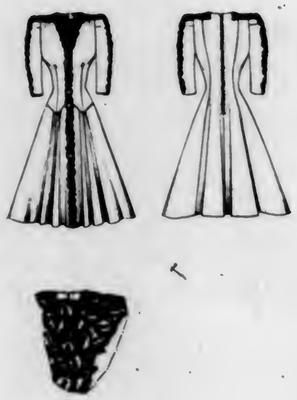
The ornamental design for a hat, as shown.

130,184
DESIGN FOR A JEWELRY FINDING
William Regelmann, Cranston, R. I.
Application September 26, 1941, Serial No. 103,513
Term of patent 3½ years



The ornamental design for a jewelry finding, substantially as shown.

130,185
DESIGN FOR A DRESS
Helen Bayor, New York, N. Y.
Application October 11, 1941, Serial No. 103,719
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

130,186
DESIGN FOR A DRESS
Marie Brucato, New York, N. Y.
Application October 6, 1941, Serial No. 103,653
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

130,187
DESIGN FOR A DRESS
Marie Brucato, New York, N. Y.
Application October 6, 1941, Serial No. 103,654
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

130,188
DESIGN FOR A DRESS
Marie Brucato, New York, N. Y.
Application October 6, 1941, Serial No. 103,655
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

130,189
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application October 6, 1941, Serial No. 103,646
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

130,190
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application October 6, 1941, Serial No. 103,647
Term of patent 3½ years



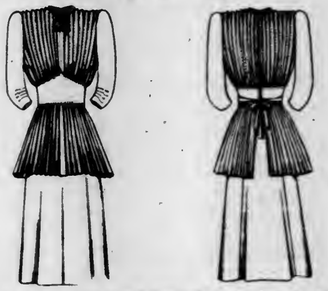
The ornamental design for a dress, substantially as shown.

130,191
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application October 11, 1941, Serial No. 103,721
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

130,192
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application October 11, 1941, Serial No. 103,722
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

130,193
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application October 11, 1941, Serial No. 103,724
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

130,194
DESIGN FOR A DRESS
Lillian Heims, New York, N. Y.
Application October 6, 1941, Serial No. 103,643
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

130,195
DESIGN FOR A DRESS
Lillian Heims, New York, N. Y.
Application October 6, 1941, Serial No. 103,644
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

130,196
DESIGN FOR A DRESS
Lucy Hoshafian, New York, N. Y.
Application October 10, 1941, Serial No. 103,701
Term of patent 3½ years



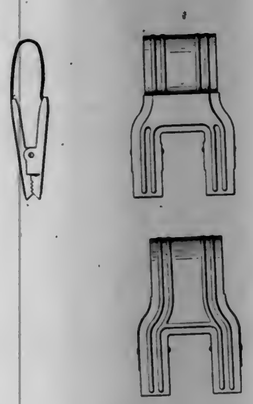
The ornamental design for a dress, substantially as shown.

130,197
DESIGN FOR A DRESS
Lucy Hoshafian, New York, N. Y.
Application October 10, 1941, Serial No. 103,702
Term of patent 3½ years



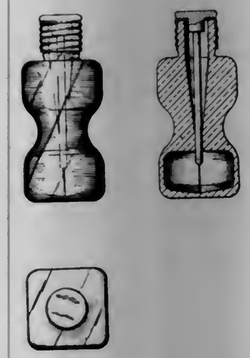
The ornamental design for a dress, substantially as shown.

130,198
DESIGN FOR A FILM CLIP
Carter J. Hughey, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application September 23, 1941, Serial No. 103,457
Term of patent 14 years



The ornamental design for a film clip, as shown.

130,199
DESIGN FOR A COMBINED BOTTLE, CLOSURE CAP, AND APPLICATOR
Hans J. Mamlok, New York, N. Y.; Margaret Mamlok executrix of said Hans J. Mamlok, deceased
Application December 14, 1939, Serial No. 88,897
Term of patent 7 years



The ornamental design for a combined bottle, closure cap, and applicator, as shown.

130,200
DESIGN FOR A HAT
Paul M. Maxwell, Manhasset, and Esther Lundberg, New York, N. Y., assignors to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware
Application July 14, 1941, Serial No. 102,120
Term of patent 3½ years



The ornamental design for a hat, as shown.

130,201
DESIGN FOR A DRESS ENSEMBLE
Delmar Mayehoff, New York, N. Y.
Application October 9, 1941, Serial No. 103,690
Term of patent 3½ years



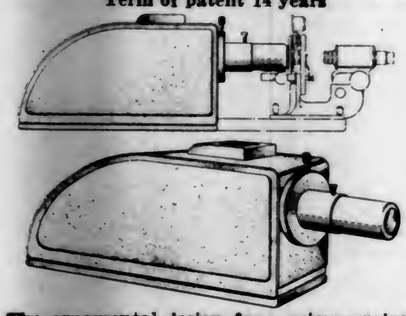
The ornamental design for a dress ensemble, substantially as shown.

130,202
DESIGN FOR A CAMERA
Joseph Mihalyi, Rochester, N. Y., and Walter D. Teague, Annandale, N. J.
Application September 23, 1941, Serial No. 103,460
Term of patent 14 years



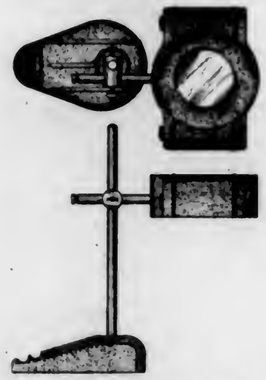
The ornamental design for a camera, as shown and described.

130,203
DESIGN FOR A MICRO-PROJECTOR
William F. Peck, Snyder, N. Y., assignor to Spencer Lens Company, Buffalo, N. Y., a corporation of New York
Application March 22, 1941, Serial No. 99,784
Term of patent 14 years



The ornamental design for a micro-projector, substantially as shown and described.

130,204
DESIGN FOR A MAGNIFIER APPARATUS
George Scherr, Brooklyn, N. Y.
Application September 17, 1941, Serial No. 103,391
Term of patent 14 years



The ornamental design for a magnifier apparatus, substantially as shown and described.

130,205
DESIGN FOR A SHOE BOW OR SIMILAR ARTICLE
Herbert G. Whitehouse, East Orange, N. J.
Application September 26, 1941, Serial No. 103,530
Term of patent 3½ years



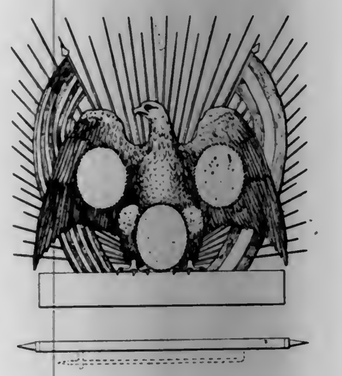
The ornamental design for a shoe bow or similar article, substantially as shown.

130,206
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application October 11, 1941, Serial No. 103,725
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

130,207
DESIGN FOR A BADGE OR THE LIKE
Ramiro Monedero, San Salvador, El Salvador
Application August 15, 1941, Serial No. 102,849
Term of patent 3½ years



The ornamental design for a badge or the like, as shown.

130,208
DESIGN FOR A DRESS
Leah Asteroff, New York, N. Y.
Application October 6, 1941, Serial No. 103,640
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

130,209
DESIGN FOR A MAN'S SLEEPING ROBE
Arthur Berger, New York, N. Y.
Application September 22, 1941, Serial No. 103,449
Term of patent 3½ years



The ornamental design for a man's sleeping robe, substantially as shown.

130,210
DESIGN FOR A MAN'S SLEEPING ROBE
Arthur Berger, New York, N. Y.
Application September 22, 1941, Serial No. 103,450
Term of patent 3½ years



The ornamental design for a man's sleeping robe, substantially as shown.

130,211
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application October 6, 1941, Serial No. 103,648
Term of patent 3½ years



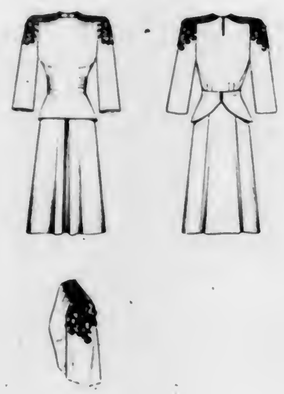
The ornamental design for a dress, substantially as shown.

130,212
DESIGN FOR A DRESS
Lillian Heims, New York, N. Y.
Application October 6, 1941, Serial No. 103,641
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

130,213
DESIGN FOR A DRESS
Lillian Heims, New York, N. Y.
Application October 6, 1941, Serial No. 103,642
Term of patent 3½ years



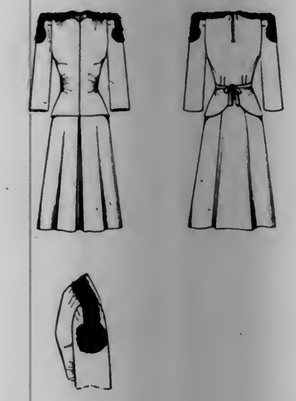
The ornamental design for a dress, substantially as shown.

130,214
DESIGN FOR A DRESS
Lillian Heims, New York, N. Y.
Application October 6, 1941, Serial No. 103,645
Term of patent 3½ years



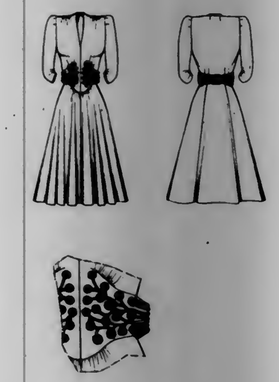
The ornamental design for a dress, substantially as shown.

130,215
DESIGN FOR A DRESS
Lillian Heims, New York, N. Y.
Application October 11, 1941, Serial No. 103,727
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

130,216
DESIGN FOR A DRESS
Lillian Heims, New York, N. Y.
Application October 11, 1941, Serial No. 103,728
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

130,217
DESIGN FOR A DRESS
Paule Wood, New York, N. Y.
Application October 6, 1941, Serial No. 103,658
Term of patent 3½ years



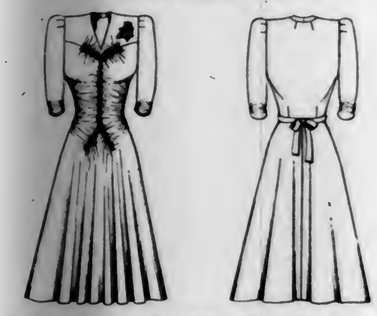
The ornamental design for a dress, substantially as shown.

130,218
DESIGN FOR A DRESS
Paule Wood, New York, N. Y.
Application October 6, 1941, Serial No. 103,659
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

130,219
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application October 6, 1941, Serial No. 103,639
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

130,220
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application October 11, 1941, Serial No. 103,726
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

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